

SIGMA 5 CENTRAL PROCESSING UNIT
MODEL 8201A01/8202A02
ASSEMBLY NO. 117282
VOLUME I OF II



902306C

Price: \$40.25

ENGINEERING SUPPORT MANUAL

SIGMA 5

CENTRAL PROCESSING UNIT

MODEL 8201A01/8202A02
ASSEMBLY NO. 117282
VOLUME I OF II

**Specifications, equipment descriptions, and procedures
contained herein are subject to change without notice.**

December 1971

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Prepared by
Field Engineering Publications

XEROX

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PREFACE

The purpose of an Engineering Support Manual (ESM) is to provide, under one cover, all of the engineering-produced documentation which is relevant to the maintenance of Xerox Computer designed products.

ENGINEERING SUPPORT INDEX (ESI)

The Engineering Support Index (ESI) begins on page i. The ESI is a table of contents indicating the drawings in this manual and provides a cross-reference between the change level of the Top Assembly drawing and the change levels of related drawings.

UPDATING

When Engineering Orders (EO) to Top Assemblies are released, documentation is updated and distributed to appropriate installations by Xerox Computer Field Engineering through the method of Field Modification Kits (FMK's). If Xerox is responsible for maintaining the affected equipment, the EO and the documentation Update Package is sent to the appropriate customer Service District office. The Customer Engineer is then responsible for prompt EO installation and manual updating. If the Xerox customer is responsible for equipment maintenance, a notification of the EO and the documentation Update Package is sent to the customer address that the customer has provided.

The Update Package typically includes a revised title page, revised Engineering Support Index page, and all pages that have been revised.

CHANGES

Changes to an ESM drawing can be brought about only by the submission of a Drawing Change Request (DCR). To effect a drawing change, field personnel must submit a Technical Action Request (TAR). A DCR may then be submitted by Maintenance Engineering after the TAR is reviewed. Customers who wish to notify Xerox of any discrepancies within the ESM may submit their comments on the Reader Survey sheet in the back of the manual and forward it to Xerox Computer Field Engineering Publications.

ENGINEERING SUPPORT INDEX

MODEL 8201A01/8202A02 TOP ASSEMBLY 117282 LEVEL AK
 NAME SIGMA 5 CENTRAL PROCESSING UNIT

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RELATED PUBLICATIONS

The following Xerox publications contain information not included within this manual. These publications must be available as part of Site Documentation in order for the user of this manual to learn, install, operate, and maintain the equipment.

<u>Publication Title</u>	<u>Document No.</u>
REFERENCE AND TECHNICAL MANUALS:	
Sigma 5 Computer, Technical Manual	901172
Sigma 5 and 7 Core Memory, Technical Manual	901586
Sigma 5 Computer, Reference Manual	900959
Sigma 5 and 7 Memory, Models 8251, 8451, Engineering Support Manual	902308
Sigma Computer Systems Interface, Disign Manual	900973
Power Supply, Model PT10, Technical Manual	901140
Power Supply, Models PT14/PT15, Technical Manual	901078
Power Supply, Model PT14B, Data Package	901655
Power Supply, Model PT15B, Data Package	901656
Power Supply, Model PT16, Technical Manual	901080
Power Supply, Model PT16B, Data Package	901657
Power Supply, Model PT17, Technical Manual	901079

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<u>Publication Title</u>	<u>Document No.</u>
Power Supply, Model PT17B, Data Package	901658
Power Supply, Model PT18, Technical Manual	900866
Power Supply, Model PT19, Technical Manual	900867
Power Supply, Model PT20, Technical Manual	901157
Power Supply, PT30, Data Package	901695
DIAGNOSTIC PROGRAM MANUALS:	
Diagnostic Control Program for Sigma 5 and 7 Computer Peripheral Devices, Program No. 704070, Diagnostic Program Manual	900712
Sigma 5 and 7 Memory (\geq 8K) Test (Medic 75), Program No. 704067, Diagnostic Program Manual	900825
Sigma 5 and 7 CPU Diagnostic Program Manual (Verify), Program No. 704042	900870
Sigma 5 and 7 CPU Diagnostic System (Pattern), Program No. 704043, Diagnostic Program Manual	900891
Sigma 5 and 7 CPU Diagnostic - Float, Program No. 704046, Diagnostic Program Manual	900898

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<u>Publication Title</u>	<u>Document No.</u>
Sigma 5 and 7 Relocatable Diagnostic, Program Loader, Program No. 704356, Diagnostic Program Manual	900972
Sigma 5 and 7 Interrupt Test, Program No. 704143, Diagnostic Program Manual	901134
Sigma 5 and 7 Power Fail-Safe Test, Program No. 704122, Diagnostic Program Manual	901135
Sigma 5 and 7 Real-Time Clock Test, Program No. 704017, Diagnostic Program Manual	901136
Sigma 5 and 7 CPU Diagnostic-Memory Protect, Program No. 704062, Diagnostic Program Manual	901516
Sigma 5 CPU Diagnostic Program (Suffix), Program No. 704174, Diagnostic Program Manual	901519
Sigma 5 CPU Diagnostic Program (Auto), Program No. 704287, Diagnostic Program Manual	901523
Sigma 5 and 7 CPU Format Converter/CPU Loader Documentation, Diagnostic Program Manual	901584
Sigma 5 and 7 Stand Alone System Exerciser (SWAP 3.5), Program No. 705680, Diagnostic Program Manual	901648

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<u>Publication Title</u>	<u>Document No.</u>
Sigma 5 and 7 Diagnostic Program Monitor, Program No. 705682, Diagnostic Program Manual	901649
Sigma 5 and 7 New Systems Exerciser, Program No. 705889, Users' Manual	901737

902306

SECTION I
DESIGN AUTOMATION DATA

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS												C/L														
			1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
P	1000050	A00	=B*+.NFUS-1.A0. 17P46,\$,\$,25,26,35X,46-29M01C-29N01C-28K45T												A														
P	1000051		+.A0.D21. 17P\$31,27,41X												A														
P	1000053		B.NFUCS 24K11,12												E														
P	1000060	NA00	=I.A00 29L\$,18X												A														
P	1000065	NA00-1	=I.A00 29L\$,24X												A														
P	1000100	A0	=FF 03L33,33-24M26C-24N26C-17Q31T												A														
P	1000104	NA0	=NFF 03L40X,40X-10M01C-10N01C-06Q37T												A														
P	1000110	S/A0	=+.K\$0 .AXK-0 .+.A8 .AXALB-0 03L36X,02L18X,22,\$, 18X,31,10X												A														
P	1000112		+.S0 .AXS/0 .+.S1 .AXSL1-0 02L18X,05X,37X, 18X,17X,\$												A														
P	1000114		+.S00 .AXSR1-0 .+.S000 .AXSR2-0 02L18X,07X,\$, 18X,08,\$												A														
P	1000116		+.RR0 .AXRR/0 .+.D100/1 .AXD10-0 05L46X,37,12X, 46X,36,38X												A														
P	1000118		+.FR0 .AXFR .+.A0L .AXLOAD-0 03L36X,37,18X, 36X,46,34X												A														
P	1000120		+.NA0 .A1 .A2 .A3 .AUC3 .+.NA0 .NA1 .NA2 .NA3 .ADC3 03L36X,40X,25X,47X,45X,43X,36X,40X,26X,28X,27X,04X												A														
P	1000122		+.CC1 .AXPSW1 .+.GND2203 .AXPSW2 03L36X,39,15X, 36X,44,35X												A														
P	1000124		+.MC0 .AXMC .+. (FAST.PH1/E.SW5) .AXALB-0 05L46X,35,34X, 21X,24,23X												A														
P	1000126		+. (S/A0/1) 05L21X,20X,22												S														
P	1000130	R/A0	=+.AX/0 03L30X,30X,29X												A														
P	1000131		+.FUSF/1 .+.GND2205 .AXALB-0 05L19X,26,20X, 19X,25,23X												A														
P	1000132		+.A1 .A2 .A3 .AUC3 .+.NA1 .NA2 .NA3 .ADC3 03L30X,25X,47X,45X,43X, 30X,26X,28X,27X,04X												A														
P	1000134	C/A0	=.CL-32P01 03L01X												A														
P	1000138	(S/A0/1)	=B .DIT/1 .MC2 .K0 . 29K22,12, 13, 14, 15												S														

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
	1 2 3 4 5 6 7 8	9	10 11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68 69 70	
P	1000140		NA0-1	=I.A0					A
P	1000140			25L\$.18X					A
P	1000150		A0L	=B.P29.P30					A
P	1000150			05R46.40.41.46-24M47C-24N47C-24Q47C-24R47C					A
P	1000300		B0	=FF					A
P	1000300			22L27.27-24M01C-24N01C-28P36T					A
P	1000304		NB0	=NFF					A
P	1000304			22L28.28-32M03C-03E03C-30E01T					A
P	1000310		S/B0	=*.B1 .BXBL1-0				+ .S31/1 .BXBR1-0	A
P	1000310			22L50X.21L18X.17X.\$.				18X.07X.\$	A
P	1000312			+ .S30/1 .BXBR2-0				+ .S0 .BXS/0	A
P	1000312			21L18X.08.\$.				18X.22.\$	A
P	1000314			+ .(S/B0) .IOPOP				+ .B0 .BXB-0	B
P	1000314			22L50X.47X.36X.				21L18X.05X.37X	A
P	1000316			+ .FP0 .BXFP-0				+ .GND2222	A
P	1000316			21L18X.31.10X.				22L50X.37X	A
P	1000330		R/B0	= .(R/B0)					A
P	1000330			22L45					A
P	1000334		C/B0	= .CL-32P04					A
P	1000334			22L01X					A
P	1000340		(R/B0)	=I.NBX.N(R/B0/1)					A
P	1000340			12L36.44.37.36-24L45T					A
P	1000345		N(R/B0/1)	=I.(10PH1.S4B).ORDEROUT					A
P	1000345			18L45.39.42.45-11M14T					A
P	1000350		(S/B0)	=B.(10PH1.S4B).ORDEROUT.IORB					A
P	1000350			14K01.02.06.04.01-24L47T					A
P	1000370		B0-1	=I.NB0.					A
P	1000370			04F35.39.33X.35-30E02T					A
P	1000500		C0	=FB*+.C0 .HOLDC-0				+ .S0 .CXS/0	A
P	1000500			25L15X.\$.\$.15X.40X.				\$.19X.31X.15X-30M01T	A
P	1000502			+ .MB0 .CXMB-0				+ .RR0 .CXRR-0	A
P	1000502			25L\$.36.34X.				\$.39.37X	A
P	1000504		NC0	=I.C0.					A
P	1000504			30L47.31.50X.47-32M20C-03E20C-24M50C-24N50C-29C47T-22P02T					A
P	1000506			I					A
P	1000506			30L47.47-31C14C-31D14C					A
P	1000510		C0-1	=B.C0					A
P	1000510			20L10.09.10-32K36C-01A36C-24M17C-24N17C-26A08T-22P28T					A

CODE	LINE NO.	C/D	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	1001200	D000	=FF							A
	1001200		29L23X							A
P	1001201	ND000	=NFF							A
	1001201		29L\$							A
P	1001202	S/D000	=+.B15/1.GND2229					+ .C0. (DXC+DXCL1)		A
	1001202		29L\$, \$,15X,08X,					\$,11X,13		A
P	1001204		+ .S000.GND2229					+ .S15/1.DXS-0		A
	1001204		29L\$,19X,03X,					\$,05X,14X		A
P	1001209	C/D000	= .CL-32P06							A
	1001209		29L09X							A
P	1001250	D00	=FF							A
	1001250		29L28X							A
P	1001251	ND00	=NFF							A
	1001251		29L\$							A
P	1001252	S/D00	=+.S15/1.GND2229					+ .C0. (DXC+DXCL1)		A
	1001252		29L\$, \$,05X,08X,					\$,11X,12X		A
P	1001254		+ .S00.GND2229					+ .DXS-0.S0		A
	1001254		29L\$,17X,03X,					\$,14X,10		A
P	1001257	R/D00	= .DX/0A							A
	1001257		29L07X							A
P	1001259	C/D00	= .CL-32P06							A
	1001259		29L09X							A
P	1001300	D0	=FF							A
	1001300		25L23X,23X-24M13C-24N13C-22P21T							A
P	1001304	ND0	=NFF							A
	1001304		25L\$							A
P	1001310	S/D0	=+.C0 .DXC-0					+ .C1 .DXCL1-0		A
	1001310		25L\$, \$,15X,08X,					\$,05X,14X		A
P	1001312		+ .S0 .DXS-0					+ .D24 .DXDR8/0		C
	1001312		25L\$,19X,03X,					\$,13,11X		A
P	1001330	R/D0	= .DX/0A							A
	1001330		25L07X							A
P	1001334	C/D0	= .CL-32P06							A
	1001334		25L09X							A
P	1001336	D0-1	=B.D0.							A
	1001336		25N35,39,33X,35-31Q31C-02F31C-22E08T							A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L			
1	2 3 4 5 6 7 8	9	10 12 3 4 5 6 7 8 9	20 2 3 4 5 6 7 8 9	30 2 3 4 5 6 7 8 9	40 2 3 4 5 6 7 8 9	50 2 3 4 5 6 7 8 9	60 2 3 4 5 6 7 8 9	70	
P	1002626		R/IODA0	=**+.IODAX 07L\$, \$.42X						A A
P	1002628		C/IODA0	= .CL-32P03 07L01X						A A
P	1002630		(S/IODA0)	=B**+. (S/B3). 26K41. \$, \$.45, 44X.		+. (S/B4). \$.27, 28X, 41-05K39T				A B
P	1002632			+ .GND2126. 26K\$, 37, 38, 39X						A A
P	1002640		IOFR0	=FF 07L21X, 21X-01M25C-01R25C-01S42T						A B
P	1002641		NIOFR0	=NFF 07L27						A A
P	1002642		S/IOFR0	=**+.FR0.IOFRXFR 07L\$, \$.20, 11X, +.IOFR1.GND2207		+.A0.IOFRXA \$.28X, 12X +.GND2207				A A A
P	1002643			07L\$, 17X, 14X.		\$.18, 13X				A
P	1002646		R/IOFR0	=**+.IOFRX 07L\$, \$.09X						A A
P	1002648		C/IOFR0	= .CL-32P03 07L01X						A A
P	1002660		IPO	=FF 25R02X						A A
P	1002661		NIPO	=NFF 25R\$						A A
P	1002662		S/IP0	=**+.ISO.IB0 25R\$, \$.10X, 27X, 05X.		+.PONEN.NISO \$.29X, 08X				T A
P	1002664		S/IP0	=**+.RO.IEO 25R\$, \$.11X, 22X,		+.GND2725.NISO \$.09X, 08X				R A
P	1002666		E/IP0	=*RESET-1 25R45X						R A
P	1002667		C/IP0	= .GCLK-0 25R07X						A A
P	1002680		ISO	=FF 25R10X						A A
P	1002682		S/ISO	=**+.IP0.PON 25R\$, \$.02X, 04.		+.IP0.GND2725.NISO \$.02X, 03X, 08X				R A

CODE	LINE NO.	CHK	LOGIC EQUATIONS			PINS			REMARKS	C/L		
			10	20	30	40	50	60			70	
P	1002684	R/ISO	=**.	NIP0.	IB0.			+.	GND2725.	NISO	R	
	1002684		25R	\$.	\$.	\$.	06X.	05X.	\$.	09X.	08X	A
P	1002686	E/ISO	=*	RESET-1							R	
	1002686		25R	45X							A	
P	1002687	C/ISO	=.	GCLK-0							A	
	1002687		25R	07X							A	
P	1002695	NISO	=	I	.ISO						R	
	1002695		14T	18.	04.	20X.	18-	20R	09T		R	
P	1002750	K0	=B**.	G1							A	
	1002750		29K	26.	\$.	\$.	44X				A	
P	1002751		+	G2.	PR1						A	
	1002751		29K	\$.	50X.	40X.					A	
P	1002752		+	K3.	PR1.	PR2.	PR3				A	
	1002752		29K	\$.	42X.	40X.	39X.	41X			A	
P	1002755	K00	=B**.	G0003							A	
	1002755		15N	28.	\$.	\$.	46.	28-	14N	30C-	14M	A
P	1002756		+	G0407.	PR0003						A	
	1002756		15N	\$.	44X.	43X.					A	
P	1002757		+	G1215.	PR0003.	PR0407.	PR0811				A	
	1002757		15N	\$.	47X.	43X.	40X.	39X			A	
P	1002758		+	PR0015.	K15						A	
	1002758		15N	\$.	38.	45					A	
P	1002770	NK00	=I.	K00.							A	
	1002770		20P	05.	02.	20X.	05-	19N	22T		A	
P	1002775	K00/1	=B**.	CC2.	MC2.						A	
	1002775		17P	01.	\$.	\$.	20.	21.	12X.	01-	18M	A
P	1002776		+	(S/PH6/10).	B31.						A	
	1002776		17P	\$.	18.	19.	07X				A	
P	1002780	K000	=B**.	K00.	PR00.						A	
	1002780		17P	02.	\$.	\$.	23.	24.	12X.	02-	18M	A
P	1002781		+	G00.							A	
	1002781		17P	\$.	17.	22.	07X				A	
P	1003050	K50	=	NS							A	
	1003050		17L	01							A	
P	1003350	LIN00	=	BCR*/	DAT16/						A	
	1003350		22R	04.	\$.						A	
P	1003400	W/LK0/0	=.	S0							A	
	1003400		01N	35							A	

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
	1006300		RR0													A
P	1006300															A
	1006302															A
P	1006302															A
	1006304															A
P	1006304															A
	1006306															A
P	1006306															A
	1006308															A
P	1006308															A
	1006310															A
P	1006310															A
	1006312															A
P	1006312															A
	1006314															A
P	1006314															A
	1006316															A
P	1006316															A
	1006330															A
P	1006330															A
	1006340															A
P	1006340															B
	1006460															A
P	1006460															A
	1006462															A
P	1006462															A
	1006464															A
P	1006464															A
	1006466															A
P	1006466															A
	1006480															A
P	1006480															A
	1006482															A
P	1006482															A
	1006484															A
P	1006484															A
	1006486															A
P	1006486															A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS			C/L
			10	20	30	40	50	60	70			
	1006500		S0	=I.K0 .PRO .SXADD-0A								A
P	1006500			25L19X,46X,02X,50X,1	9X-05M39C-05N39C-19N03T							A
	1006502			B*+.K0 .SXADD-0A								A
P	1006502			25L19X,\$,46X,50X,								A
	1006504			+ .B0 .SXB-0								A
P	1006504			25L\$,33,45X,								A
	1006506			+ .DA0.SXDA								A
P	1006506			25L\$,42,43X								A
	1006508			I. (FASTABORT.ENDE).								A
P	1006508			30L35,39,33X								A
	1006520		NS0	=I.S0								A
P	1006520			19L05,02,20X,05-32K34C-01A34C-25C18T								A
	1006560		S0/L	=-LD*+.S0.K0I-1								A
P	1006560			17L\$,,\$,38,29X,								A
	1010100		A1	=FF								A
P	1010100			03L25X,25X-18M06C-18N06C-17Q30T								A
	1010104		NA1	=NFF								A
P	1010104			03L26X,26X-10M02C-10N02C-06Q30T								A
	1010110		S/A1	=*+.K01 .AXK-0								A
P	1010110			03L31X,02L13X,20,\$,								A
	1010112			+ .S1 .AXS/0								A
P	1010112			02L13X,17X,37X,								A
	1010114			+ .S0 .AXSR1-0								A
P	1010114			02L13X,05X,\$,								A
	1010116			+ .RR1 .AXRR/0								A
P	1010116			05L45X,42,12X,								A
	1010118			+ .FR1 .AXFR								A
P	1010118			03L31X,50,18X,								A
	1010120			+ .NA1 .A2 .A3 .AUC3								A
P	1010120			03L31X,26X,47X,45X,23X,								A
	1010122			+ .CC2 .AXPSW1								A
P	1010122			03L31X,38,15X,								A
	1010124			+ .MC1 .AXMC								A
P	1010124			05L45X,44,34X								A
	1010130		R/A1	=*+.A2 .A3 .AUC3								A
P	1010130			03L24X,24X,47X,45X,23X,24X,28X,27X,04X								A
	1010132			+ .AX/0								A
P	1010132			03L24X,29X								A
	1010134		C/A1	= .CL-32P01								A
P	1010134			03L01X								A
	1010140		NA1-1	=I.A1								A
P	1010140			25L\$,24X								A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
	1	23456789	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1010150		A1L	=B** .P28-1 . . .				+ .A0L . . .								A
P	1010150			04K45, \$, \$, 39, 40, 41X, \$, 38, 37, 35X, 45-14M43C-14N43C												A
P	1010300		B1	=FF												A
P	1010300			22L31												A
P	1010304		NB1	=NFF												A
P	1010304			22L26, 26-32M05C-03E05C-10F40T												A
P	1010310		S/B1	=** .B2 .BXBL1-0				+ .B0 .BXBR1-0								A
P	1010310			22L46X, 21L13X, 45X, \$,				13X, 05X, \$								A
P	1010312			+ .S31/1 .BXBR2-0				+ .S1 .BXS/0								A
P	1010312			21L13X, 07X, \$,				13X, 20, \$,								A
P	1010314			+ .(S/B1) .10POP				+ .B1 .BXB-0								B
P	1010314			22L46X, 43, 36X,				21L13X, 17X, 37X								A
P	1010316			+ .FP1 .BXFP-0				+ .GND2222								A
P	1010316			21L13X, 30, 10X,				22L46X, 37X								A
P	1010330		R/B1	= .(R/B1)												A
P	1010330			22L44												A
P	1010334		C/B1	= .CL-32P04												A
P	1010334			22L01X												A
P	1010340		(R/B1)	= I .NBX .N(R/B1/1)												A
P	1010340			12L01, 10, 11, 01-24L44T												A
P	1010345		N(R/B1/1)	= I .(10PH3 .SW10) .SW10												B
P	1010345			28F45, 43, 50X, 45-31D34C-31C34C-01A41C-32K41C-16L15T												B
P	1010350		(S/B1)	= B .TORDIN .A2.												A
P	1010350			20L06, 14, 08, 07, 06-24L43T												A
P	1010370		B1-1	= I .NB1.												A
P	1010370			04F34, 40, 33X, 34-30E05T												A
P	1010500		C1	= FB** .C1 .HOLDC-0				+ .S1 .CXS/0								A
P	1010500			25L05X, \$, \$, 05X, 40X,				\$, 17X, 31X, 05X-24L24T								A
P	1010502			+ .MB1 .CXMB-0				+ .RR1 .CXRR-0								A
P	1010502			25L\$, 30, 34X,				\$, 35, 37X								A
P	1011300		D1	=FF												A
P	1011300			25L28X												A
P	1011304		ND1	=NFF												A
P	1011304			25L\$												A
P	1011310		S/D1	=** .C1 .DXC-0				+ .C2 .DXCL1-0								A
P	1011310			25L\$, \$, 05X, 08X,				\$, 10X, 14X								A
P	1011312			+ .S1 .DXS-0				+ .D25 .DXDR8/0								C
P	1011312			25L\$, 17X, 03X,				\$, 12, 11X								A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L									
1	2	3	10	11	12	20	21	22	30	31	32	40	41	42	50	51	52	60	61	62	70	71	72	
P	1011330		R/D1		= .DX/OA																			A
P	1011330				25L07X																			A
P	1011334		C/D1		= .CL-32P06																			A
P	1011334				25L09X																			A
P	1011360		DA1		= -BCR*/DA1/																			A
P	1011360				08L20.\$																			A
P	1011370		NDA1		= I.DA1																			A
P	1011370				15M25.23.29X.25-19K39T																			A
P	1011380		/DA1/		= -BCD*IODA1																			A
P	1011380				08L\$.19																			A
P	1011500		D101		= -BCR*/D101/																			A
P	1011500				09M06.\$																			A
P	1011510		D101/1		= FF																			A
P	1011510				07M31																			A
P	1011511		ND101/1		= NFF																			A
P	1011511				07M26																			A
P	1011512		S/D101/1		= *.D101.D10XD10-0																			A
P	1011512				07M46X.46X.43.36X.																			A
P	1011513				+ .S1.D10XS-0..																			A
P	1011513				06M30.36.35X.37X.31X																			A
P	1011517		R/D101/1		= .D10X-0																			A
P	1011517				07M44																			A
P	1011518		C/D101/1		= .CL-32P08																			A
P	1011518				07M01X																			A
P	1011520		/D101/		= -BCD*D101/1																			A
P	1011520				09M\$.02																			A
P	1012100		FPI		= I.S1.FPXS-0																			A
P	1012100				16M05.02.20X.05-32L02C-31L02T.																			A
P	1012200		FR1		= -BCR*/FR1/																			A
P	1012200				10L20.\$																			A
P	1012220		/FR1/		= -BCD*GND2210																			A
P	1012220				10L\$.19																			A
P	1012500		G1		= B*+.A1 .D1 .GXAD-0																			A
P	1012500				25L04.\$\$.24X.28X.21X.																			A
P	1012502				+ .A1 .ND1 .GXAND-0																			A
P	1012502				25L\$.24X.\$\$.25X																			A

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CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1012580		IN1	=FF												A
P	1012580			25R31X												A
P	1012581		NIN1	=NFF												A
P	1012581			25R46X												A
P	1012582		S/IN1	= .NIS1 .												T
P	1012582			25R25X, 37X,												R
P	1012584		R/IN1	= *+.GND2725												R
P	1012584			25R\$. \$.41X,												A
P	1012587		C/IN1	= .GCLK-0												A
P	1012587			25R07X												A
P	1012590		INT1	=B.LIN01.NEWDM												A
P	1012590			25S01, 10, 11												A
P	1012600		W/101B0/1	= .RW1												A
P	1012600			05K34												A
P	1012602		W/102B0/1	= .RW1												A
P	1012602			06K34												A
P	1012604		W/103B0/1	= .RW1												A
P	1012604			07K34												A
P	1012606		W/104B0/1	= .RW1												A
P	1012606			08K34												A
P	1012620		IODA1	=FF												A
P	1012620			07L33												A
P	1012621		NIODA1	=NFF												A
P	1012621			07L35												A
P	1012622		S/IODA1	= *+. (ND0.SW0).TODATA												A
P	1012622			07L\$. \$. 30, 40X,												A
P	1012623			+ .A1. IODAXA												A
P	1012623			07L\$. 25X, 36X,												A
P	1012626		R/IODA1	= *+. IODAX												A
P	1012626			07L\$. \$. 42X												A
P	1012628		C/IODA1	= .CL-32P03												A
P	1012628			07L01X												A
P	1012640		IOFR1	=FF												A
P	1012640			07L17X, 17X-01M20C-01R20C-01S08T												B

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
	1012750		K1	=B*+.G2						A
P	1012750			29K27, \$. \$. 50X						A
	1012751			+.G3.PR2				+.K3.PR2.PR3		A
P	1012751			29K\$.47X,39X,				\$.42X,39X,41X		A
	1013050		KS1	=-NS						A
P	1013050			17L02						A
	1013350		LIN01	=-BCR*/DAT17/						A
P	1013350			22R06,\$						A
	1013400		W/LK0/1	=.S1						A
P	1013400			01N34						A
	1013401		W/LK1/1	=.S1						A
P	1013401			02N34						A
	1013402		W/LK2/1	=.S1						A
P	1013402			03N34						A
	1013403		W/LK3/1	=.S1						A
P	1013403			04N34						A
	1013600		LOCK1	=-HSM						A
P	1013600			01N41,41-09N46T						A
	1013601			-HSM						A
P	1013601			02N41						A
	1013602			-HSM						A
P	1013602			03N41						A
	1013603			-HSM						A
P	1013603			04N41						A
	1014100		MB1	=-BCR*/MB1/						A
P	1014100			12M06,\$						A
	1014150		/MB1/	=-BCD*B.S1.MBXS/0						A
P	1014150			12M\$.02,13M36,37,33X						A
	1014200		MC1	=FF						A
P	1014200			11N25X,25X-10M25C-10N25C						A
	1014201		NMC1	=NFF						A
P	1014201			11N26X						A
	1014202		S/MC1	=*+.S1.MCXS				+.P27-1.MCXPL2		A
P	1014202			11N31X,31X,50,18X,				31X,42,34X		A
	1014204			+.GND2411.PRE3-H				+.NP26.MCXNPL1		A
P	1014204			11N31X,41,35X,				31X,38,15X		A
	1014206			+.MCDC3.NMC1.NMC2.NMC3				+.GND2411.NMC1..		A
P	1014206			11N31X,04X,26X,28X,27X,31X,23X,				26X,45X,47X		A

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CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1016226		W/RP380/1	= .RW1												A
P	1016226			12K34												A
P	1016300		RR1	= -BCR* /RRW1/												A
P	1016300			13K22	\$.22	-24L35T										A
P	1016302			-HSM												A
P	1016302			05K41												A
P	1016304			-HSM												A
P	1016304			06K41												A
P	1016306			-HSM												A
P	1016306			07K41												A
P	1016308			-HSM												A
P	1016308			08K41												A
P	1016310			-HSM												A
P	1016310			09K41												A
P	1016312			-HSM												A
P	1016312			10K41												A
P	1016314			-HSM												A
P	1016314			11K41												A
P	1016316			-HSM												A
P	1016316			12K41												A
P	1016330		/RRW1/	= -BCD*B.S1 .RRWXS/0												A
P	1016330			13K\$.23	.14L27	.22	.29X									A
P	1016340		RW1	= B.S1 .RWXS/0												A
P	1016340			13L05	.02	.20X	.05	-01L23T								B
P	1016500		S1	= I.K1 .PR1 .SXADD-0A												A
P	1016500			25L17X	.38X	.01X	.50X	.17X-05M36C-05N36C-17Q39T								A
P	1016502			B** .K1 .SXADD-0A												A
P	1016502			25L17X	\$. \$.38X	.50X										A
P	1016504			+ .B1 .SXB-0												A
P	1016504			25L\$.47	.45X											A
P	1016506			+ .DA1 .SXDA												A
P	1016506			25L\$.44	.43X											A
P	1016560		S1/L	= -LD*+ .S1 .KDI-1												A
P	1016560			17L\$. \$. \$.34	.29X											A
P	1020100		A2	= FF												A
P	1020100			03L19X	.19X-18M07C-18N07C-17Q34T											A
P	1020104		NA2	= NFF												A
P	1020104			03L21X												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	1020110	S/A2	=+.KS2 .AXK-0										+.A10.AXALB-0											A																										
P	1020110		03L20X,02L11X,23,\$.										11X,34,10X											A																										
	1020112		+.S2 .AXS/0										+.S3 .AXSL1-0											A																										
P	1020112		02L11X,45X,37X,										11X,44X,\$											A																										
	1020114		+.S1 .AXSR1-0										+.S0 .AXSR2-0											A																										
P	1020114		02L11X,17X,\$.										11X,05X,\$											A																										
	1020116		+.RR2 .AXRR/0										+.D102/1.AXDIO-0											A																										
P	1020116		05L01X,11,12X,										01X,13,38X											A																										
	1020118		+.FR2.AXFR										+.A2L.AXLOAD-0											A																										
P	1020118		03L20X,06,18X,										20X,08,34X											A																										
	1020120		+.A3.NA2.AUC3.										+.NA3.NA2.ADC3.											A																										
P	1020120		03L20X,05X,21X,23X,02X,										20X,22X,21X,04X,02X											A																										
	1020122		+.CC3.AXPSW1										+.WK0.AXPSW2											A																										
P	1020122		03L20X,13,15X,										20X,09,35X											A																										
	1020124		+.MC2.AXMC																					A																										
P	1020124		05L01X,14,34X																					A																										
	1020130	R/A2	=+.A3.AUC3.										+.NA3.ADC3.											A																										
P	1020130		03L17X,17X,05X,23X,02X,17X,22X,04X,02X																					A																										
	1020131		+.AX/0																					A																										
P	1020131		03L17X,29X																					A																										
	1020134	C/A2	=.CL-32P01																					A																										
P	1020134		03L01X																					A																										
	1020140	NA2-1	=1.A2																					A																										
P	1020140		26L\$,18X																					A																										
	1020150	A2L	=B+.P28-1										+.A3L											A																										
P	1020150		04K04,\$,\$,05,06,07X,										\$,14,13,12X											A																										
	1020300	B2	=FF																					A																										
P	1020300		22L30																					A																										
	1020304	NB2	=NFF																					A																										
P	1020304		22L29																					A																										
	1020310	S/B2	=+.B3 .BXBL1-0										+.B1 .BXBR1-0											A																										
P	1020310		22L41X,21L11X,44X,\$.										11X,17X,\$											A																										
	1020312		+.B0 .BXBR2-0										+.S2 .BXS/0											A																										
P	1020312		21L11X,05X,\$.										11X,23,\$											A																										
	1020314		+.(S/B2).10POP										+.B2.BXB-0											B																										
P	1020314		22L41X,42,36X,										21L11X,45X,37X											A																										
	1020316		+.FP2.BXFP-0										+.GND2222											A																										
P	1020316		21L11X,34,10X,										22L41X,37X											A																										
	1020330	R/B2	=.BX-0																					A																										
P	1020330		22L40																					A																										
	1020334	C/B2	=.CL-32P04																					A																										
P	1020334		22L01X																					A																										

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS	REMARKS	C/L
			10	20	30				40	50	60	70
	1020350		(S/B2)	=B.(10PH1.SWB).D1.SW0.NSW1				A
P	1020350			30K22,15,14,13,12				A
	1020352			B.NSW4.				A
P	1020352			24K17,01,20X				A
	1020500		C2	=FB**C2.HOLDC-0		+.S2.CXS/0		A
P	1020500			26L15X,\$.15X,40X,		\$.19X,31X,15X-24L25T		A
	1020502			+.MB2.CXMB-0		+.RR2.CXRR-0		A
P	1020502			26L\$.36,34X,		\$.39,37X		A
	1021300		D2	=FF				A
P	1021300			26L23X				A
	1021304		ND2	=NFF				A
P	1021304			26L\$				A
	1021310		S/D2	=**C2.DXC-0		+.C3.DXCL1-0		A
P	1021310			26L\$,\$.15X,08X,		\$.05X,14X		A
	1021312			+.S2.DXS-0		+.D26.DXDR8/0		C
P	1021312			26L\$,19X,03X,		\$.13,11X		A
	1021330		R/D2	=DX/0A				A
P	1021330			26L07X				A
	1021334		C/D2	=CL-32P06				A
P	1021334			26L09X				A
	1021360		DA2	=BCR*/DA2/				A
P	1021360			08L18,\$				A
	1021370		NDA2	=I.DA2.				A
P	1021370			15M27,22,29X,27-19K42T				A
	1021380		/DA2/	=BCD*10DA2				A
P	1021380			08L\$,15				A
	1021500		D102	=BCR*/D102/				A
P	1021500			09M08,\$				A
	1021510		D102/1	=FF				A
P	1021510			07M30				A
	1021511		ND102/1	=NFF				A
P	1021511			07M29				A
	1021512		S/D102/1	**D102.D10XD10-0		+.GND2307		A
P	1021512			07M41X,41X,42,36X,		41X,37X		A
	1021513			+.S2.D10XS-0.				A
P	1021513			06M34,33,35X,31X				A

CODE	LINE NO.	CHK	LOGIC EQUATIONS							PINS							REMARKS	C/L
			1	2	3	4	5	6	7	10	11	12	13	14	15	16			17
P	1024550		N02-FP =1.02 16M15,13,15-32L41C															A
P	1025500		PR2 =B*+.A2 .02 .PRXAD/0 26L02X,\$,18X,23X,29X.							+.NA2-1 .02 .PRXNAD/0 \$,23X,27X								A
P	1025502		+.A2 .ND2 .PRXAND/0 26L\$,18X,\$,20X.							+.NA2-1 .ND2 .PRXNAND/0 \$,\$.\$.26X								A
P	1026220		W/RP080/2=.RW2 09K19															A
P	1026222		W/RP180/2=.RW2 10K19															A
P	1026224		W/RP280/2=.RW2 11K19															A
P	1026226		W/RP380/2=.RW2 12K19															A
P	1026300		RR2 =-BCR*/RRW2/ 13K27,\$,27-24L39T															A
P	1026302		-HSM 05K09															A
P	1026304		-HSM 06K09															A
P	1026306		-HSM 07K09															A
P	1026308		-HSM 08K09															A
P	1026310		-HSM 09K09															A
P	1026312		-HSM 10K09															A
P	1026314		-HSM 11K09															A
P	1026316		-HSM 12K09															A
P	1026330		/RRW2/ =-BCD*B.S2 .RRWXS/0 13K\$,25,14L25,23,29X															A
P	1026340		RW2 =B.S2 .RWXS/0 13L19,03,20X,19-16L33T															A
P	1026342		B.N(FUA10.PH5.SW10). 24K36,33X,37															A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L									
	1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70		
P	1026500		S2	=I.K2 .PR2 .SXADD-0A														A
P	1026500			26L19X,46X,02X,50X,19X-05M19C-05N19C-17Q15T														A
P	1026502			B**K2 .SXADD-0A														A
P	1026502			26L19X,\$\$,46X,50X,														A
P	1026504			+.B2 .SXB-0														A
P	1026504			26L\$,33,45X,														A
P	1026506			+.DA2.SXDA														A
P	1026506			26L\$,42,43X														A
P	1026560		S2/L	=-LD** .S2.KD1-1														A
P	1026560			17L\$,,\$,28,29X,														A
P	1030100		A3	=FF														A
P	1030100			03L05X,05X-18M08C-18N08C-17Q28T														A
P	1030104		NA3	=NFF														A
P	1030104			03L22X														A
P	1030110		S/A3	=** .KS3 .AXK-0														A
P	1030110			03L12X,02L38X,25,\$.														A
P	1030112			+.S3 .AXS/0														A
P	1030112			02L38X,44X,37X,														A
P	1030114			+.S2 .AXSR1-0														A
P	1030114			02L38X,45X,\$.														A
P	1030116			+.RR3 .AXRR/0														A
P	1030116			05L03X,07,12X,														A
P	1030118			+.FR3 .AXFR														A
P	1030118			03L12X,07,18X,														A
P	1030120			+.NA3 .AUC3.														A
P	1030120			03L12X,22X,23X,02X,														A
P	1030122			+.CC4 .AXPSW1														A
P	1030122			03L12X,11,15X,														A
P	1030124			+.MC3 .AXMC														A
P	1030124			05L03X,05,34X														A
P	1030130		R/A3	=** .AUC3.														A
P	1030130			03L03X,03X,23X,02X,														A
P	1030131			+.AX/0														A
P	1030131			03L03X,29X														A
P	1030134		C/A3	= .CL-32P01														A
P	1030134			03L01X														A
P	1030140		NA3-1	=I.A3														A
P	1030140			26L\$,24X														A
P	1030150		A3L	=B.P29.(NP30.P31)														A
P	1030150			05R45,39,42,45-01M45C-01R45C														A
P	1030300		B3	=FF														A
P	1030300			22L33														A

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CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																																							
1	2 3 4 5 6 7 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
P	1032648		C/I0FR3	=	.CL-32P03																																																		A								
P	1032648				09L01X																																																		A								
P	1032660		IP3	=	FF																																																		A								
P	1032660				26R21X																																																		A								
P	1032661		NIP3	=	NFF																																																		A								
P	1032661				26R\$																																																		A								
P	1032662		S/IP3	=	*+.IS3.NISNIP2.NISNIP1.ARMOVD																																																		A								
P	1032662				26R\$, \$.13X, .23X, .05X, .27X																																																		A								
P	1032663				+ .DAT17.AEADB																																																		A								
P	1032663				26R\$, .25X, .29X																																																		A								
P	1032664		R/IP3	=	*+.REIP3.IE0																																																		A								
P	1032664				26R\$, \$, \$.22X,																																																		A								
P	1032664																																																						A								
P	1032664																																																						A								
P	1032666		E/IP3	=	.RESET-1																																																		A								
P	1032666				26R45X																																																		A								
P	1032667		C/IP3	=	.GCLK-0																																																		A								
P	1032667				26R07X																																																		A								
P	1032668		NIP3-1	=	I.IP3.																																																		A								
P	1032668				20S35, 39, 33X, 35-27S24T																																																		A								
P	1032680		IS3	=	FF																																																		A								
P	1032680				26R13X, 13-01R06C-01M06C																																																		A								
P	1032681		NIS3	=	NFF																																																		A								
P	1032681				26R18X																																																		A								
P	1032682		S/IS3	=	*+.IP3.CPUL2																																																		A								
P	1032682				26R\$, \$.21X, 14,																																																		A								
P	1032684		R/IS3	=	*+.NISNIP2.NISNIP1.NIP3.IB0																																																		A								
P	1032684				26R\$, \$.23X, .05X, \$.06X																																																		A								
P	1032685				+ .DAT17.DARM-1																																																		A								
P	1032685				26R\$, .25X, .09X																																																		A								
P	1032686		E/IS3	=	.RESET-1																																																		A								
P	1032686				26R45X																																																		A								
P	1032687		C/IS3	=	.GCLK-0																																																		A								
P	1032687				26R07X, 20C-12C																																																		A								

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS	REMARKS	C/L
			10	20	30				40	50	60	70
	1032750		K3	=B*+.G0407				A
P	1032750			15N26, \$. \$, 44X, 26-18M26C-18N26C-28K42T				A
	1032751			+ .G0811 .PR0407		+ .G1215 .PR0407 .PR0811		A
P	1032751			15N \$.50X, 40X,		\$.47X, 40X, 39X		A
	1032752			+ .K15 .PR0407 .PR0811 .PR1215				A
P	1032752			15N \$.42X, 40X, 39X, 41X				A
	1033050		KS3	=-NS				A
P	1033050			17L04				A
	1033350		LIN03	=-BCR*/DAT19/				A
P	1033350			22R10, \$				A
	1033370		L103	=B.10FR3.N10FR0				A
P	1033370			11L02, 03, 09, 02-01M03C-01R03C-01T07T				B
	1033374		NL103	=I.L103.				A
P	1033374			19L18, 04, 20X, 18-01L11T				A
	1033384		NL103-1	=I.L103.				A
P	1033384			14T45, 43, 50X, 45-01T05T				B
	1033400		W/LK0/3	= .S3				A
P	1033400			01N12				A
	1033401		W/LK1/3	= .S3				A
P	1033401			02N12				A
	1033402		W/LK2/3	= .S3				A
P	1033402			03N12				A
	1033403		W/LK3/3	= .S3				A
P	1033403			04N12				A
	1033600		LOCK3	=-HSM				A
P	1033600			01N02, 02-09N47T				A
	1033601			-HSM				A
P	1033601			02N02				A
	1033602			-HSM				A
P	1033602			03N02				A
	1033603			-HSM				A
P	1033603			04N02				A
	1034100		MB3	=-BCR*/MB3/				A
P	1034100			12M10, \$				A
	1034150		/MB3/	=-BCD*B.S3 .MBXS/0				A
P	1034150			12M \$.09, 13M05, 02, 20X				A
	1034200		MC3	=FF				A
P	1034200			11N05X, 05X-10M05C-10N05C				A

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L						
1	2345678	9	10	123456789	29	23456789	39	23456789	49	23456789	59	23456789	69	23456789	70
P	1040104		NA4	=NFF											A
P	1040104			04L40X											A
P	1040110		S/A4	=++.KS4 .AXK-0				+ .A12 .AXALB-0							A
P	1040110			04L36X,02L39X,33,\$.				39X,26,10X							A
P	1040112			+ .S4 .AXS/0				+ .S5 .AXSL1-0							A
P	1040112			02L39X,35X,37X.				39X,14X,\$							A
P	1040114			+ .S3 .AXSR1-0				+ .S2 .AXSR2-0							A
P	1040114			02L39X,44X,\$.				39X,45X,\$							A
P	1040116			+ .RR4 .AXRR/0				+ .D104/1 .AXD10-0							A
P	1040116			05L50X,30,33X.				50X,29,31X							A
P	1040118			+ .FR4 .AXFR				+ .A4L .AXLOAD-0							A
P	1040118			04L36X,37,18X.				36X,46,34X							A
P	1040120			+ .NA4 .A5 .A6 .A7 .AUC7				+ .NA4 .NA5 .NA6 .NA7 .ADC7							A
P	1040120			04L36X,40X,25X,47X,45X,43X,30X,26X,28X,27X,04X											A
P	1040122			+ .GND2204 .AXPSW1				+ .GND2204 .AXPSW2							A
P	1040122			04L36X,39,15X.				36X,44,35X							A
P	1040124			+ .MCH .AXMC											A
P	1040124			05L50X,28,27X											A
P	1040130		R/A4	=++.A5 .A6 .A7 .AUC7				+ .NA5 .NA6 .NA7 .ADC7							A
P	1040130			04L30X,30X,25X,47X,45X,43X,30X,26X,28X,27X,04X											A
P	1040132			+ .AX/0											A
P	1040132			04L30X,29X											A
P	1040134		C/A4	= .CL-32P01											A
P	1040134			04L01X											A
P	1040140		NA4-1	=I .A4											A
P	1040140														A
P	1040150		A4L	=B++. (P30.NP31)				+ .A1L							A
P	1040150			04K03,\$,\$,09,08,07X.				\$.10,11,12X							A
P	1040300		B4	=FF											A
P	1040300			23L27											A
P	1040304		NB4	=NFF											A
P	1040304			23L28											A
P	1040310		S/B4	=++.B5 .BXBL1-0				+ .B3 .BXBR1-0							A
P	1040310			23L50X,21L39X,14X,\$.				39X,44X,\$.							A
P	1040312			+ .B2 .BXBR2-0				+ .S4 .BXS/0							A
P	1040312			21L39X,45X,\$.				39X,33,\$							A
P	1040314			+ .(S/B4).				+ .B4 .BXB-0							A
P	1040314			23L50X,47,36X.				21L39X,35X,37X							A
P	1040316			+ .FPH .BXFP-0				+ .GND2223							A
P	1040316			21L39X,26,10X.				23L50X,37X							A
P	1040330		R/B4	= .BX-0											A
P	1040330			23L45											A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L					
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			21	22	23	24	25	26	27	28	29	30
P	1040334		C/B4	=.CL-32P04 23L01X																					A				
P	1040350		(S/B4)	=B*+.A4.D5 26K20,\$,\$,21,22,										+.A0.(A3.D4.D5) \$.23,24,20-24L50T											A				
P	1040352			+. (A1.ND6).(A3.D4.D5) 26K\$,02,01																					A				
P	1040354			B.TORDIN. 24K46,30,50X																					A				
P	1040500		C4	=FB*+.C4.HOLD0-0										+.S4.CXS/0											A				
P	1040502			27L15X,\$,\$,15X,40X, +.MB4.CXMB-0										\$.19X,31X,15X-28K30T +.RR4.CXRR-0											A				
P	1040502			27L\$,36,34X.										\$.39,37X											A				
P	1041300		D4	=FF 27L23X																					A				
P	1041304		ND4	=NFF 27L\$																					A				
P	1041310		S/D4	=*.C4.DXC-0 27L\$,\$.15X,08X,										+.C5.DXCL1-0 \$.05X,14X											A				
P	1041312			+.S4.DXS-0 27L\$,19X,03X,										+.D28.DXDR8/0 \$.13,11X											A				
P	1041330		R/D4	=.DX/08 27L07X																					A				
P	1041334		C/D4	=.CL-32P06 27L09X																					A				
P	1041360		DA4	=-BCR*/DA4/ 08L08,\$																					A				
P	1041370		ND4	=I.DA4 15M18,04,20X,18-08K44T																					A				
P	1041380		/DA4/	=-BCD*/10DA4 08L\$,03																					A				
P	1041500		D104	=-BCR*/D104/ 09M13,\$																					A				
P	1041510		D104/1	=FF 07M02																					A				
P	1041511		ND104/1	=NFF 07M21																					A				

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																											
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	70	71	72	73	74	75
P	1041512		S/D104/1 = *.D104.D10XD10-0										+.GND2307											A																											
	1041512		07M18X,18X,25,10X,										18X,17X											A																											
P	1041513		+.S4.D10XS-0..																					A																											
	1041513		06M47.50,43X,42X,46X																					A																											
P	1041517		R/D104/1 = .D10X-0																					A																											
	1041517		07M23																					A																											
P	1041518		C/D104/1 = .CL-32P08																					A																											
	1041518		07M01X																					A																											
P	1041520		/D104/ = -BCD*D104/1																					A																											
	1041520		09MS,12																					A																											
P	1042100		FP4 = 1.S4.FPXS-0																					A																											
	1042100		16M28,21,29X,28-32L05C-31L05T																					A																											
P	1042200		FR4 = -BCR*/FR4/																					A																											
	1042200		10L08,\$																					A																											
P	1042220		/FR4/ = -BCD*GND2210																					A																											
	1042220		10L\$,03																					A																											
P	1042500		G4 = B*+.A4 .D4 .GXAD-0										+.NA4-1 .D4 .GXNAD-0											A																											
	1042500		27L06X,\$,\$,18X,23X,21X,										,\$,\$,23X,22X											A																											
	1042502		+.A4 .ND4 .GXAND-0																					A																											
P	1042502		27L\$,18X,\$,25X																					A																											
P	1042580		IN4 = FF																					A																											
	1042580		27R30X																					A																											
P	1042582		S/IN4 = .DAT18.AEENLE																					A																											
	1042582		27R08X,37X																					A																											
P	1042584		R/IN4 = *.DAT18.ADBDB										+.REN-1											A																											
	1042584		27R\$,\$.08X,35X,										\$,41X											A																											
P	1042587		C/IN4 = .GCLK-0																					A																											
	1042587		27R07X																					A																											
P	1042590		INT4 = B*+.LIN04.NEWDM										+.ENOVRD.											A																											
	1042590		28S15,\$,\$,06,30X,										\$,31X,10											A																											
	1042592		+.ENCNTR.										+.ENIO.											A																											
P	1042592		28S\$,29X,11,										\$,28X,09											A																											
	1042594		+.INT4.GND2828																					A																											
P	1042594		28S\$,15X,17X																					A																											
P	1042600		W/10180/ = .RW4																					A																											
	1042600		05K33																					A																											

CODE	LINE NO.	CHG	LOGIC EQUATIONS												REMARKS	C/L			
			1	2	3	4	5	6	7	8	9	10	11	12					
P	1042602		W/102B0/	=.RW4															A
P	1042602			06K33															A
P	1042604		W/103B0/	=.RW4															A
P	1042604			07K33															A
P	1042606		W/104B0/	=.RW4															A
P	1042606			08K33															A
P	1042620		I0DA4	=FF															A
P	1042620			07L41															A
P	1042621		NI0DA4	=NFF															A
P	1042621			07L43															A
P	1042622		S/I0DA4	=++.GND2207.TODATA													+.GND2207		A
P	1042622			07L\$.46.40X,													\$.47.38X		A
P	1042623			+.A4.I0DAXA													+.A2.GND2207		A
P	1042623			07L\$.45.36X,													\$.10X.34X		A
P	1042626		R/I0DA4	=+.I0DAX															A
P	1042626			07L\$.42X															A
P	1042628		C/I0DA4	=.CL-32P03															A
P	1042628			07L01X															A
P	1042640		I0FR4	=FF															A
P	1042640			07L03X.03X-01M30C-01R30C-06R30T															A
P	1042641		NI0FR4	=NFF															A
P	1042641			07L05															A
P	1042642		S/I0FR4	=+.FR4.I0FRXFR													+.A4.I0FRXA		A
P	1042642			07L\$.08.11X,													\$.45X.12X		A
P	1042643			+.GND2207													+.I0FR2.GND2207		A
P	1042643			07L\$.06.14X,													\$.07X.13X		A
P	1042646		R/I0FR4	=+.I0FRX															A
P	1042646			07L\$.09X															A
P	1042648		C/I0FR4	=.CL-32P03															A
P	1042648			07L01X															A
P	1042660		IP4	=FF															A
P	1042660			27R02X															A
P	1042661		NIP4	=NFF															A
P	1042661			27R5															A
P	1042662		S/IP4	=+.ISH.NISNIP3.ARM0VD													+.DAT18.AEADB		A
P	1042662			27R\$.10X.05X.27X,													\$.08X.29X		A

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CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L						
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16
P	1042664		R/IP4	=*.R4.IE0 27R\$.\$.11X.22X.										+.DAT18.DARM-1 \$.08X.09X					A
P	1042666		E/IP4	=.RESET-1 27R45X															A
P	1042667		C/IP4	=.GCLK-0 27R07X															A
P	1042680		IS4	=FF 27R10X.10-01R10C-01M10C															A
P	1042682		S/IS4	=*.IP4.CPU3 27R\$.\$.02X.04.										+.DAT18.IP4.TRIG \$.08X.02X.03X					A
P	1042684		R/IS4	=*.NIP4.NISNIP3.1B0 27R\$.\$.\$.05X.06X.										+.DAT18.DARM-1 \$.08X.09X					A
P	1042686		E/IS4	=.RESET-1 27R45X															A
P	1042687		C/IS4	=.GCLK-0 27R07X															A
P	1042750		K4	=B*+.G5 29K19\$.\$.04X															A
P	1042751			+.G6.PR5 29K\$.01X.10X.										+.G7.PR5.PR6 \$.06X.10X.09X					A
P	1042752			+.K7.PR5.PR6.PR7 29K\$.08X.10X.09X.07X															A
P	1043050		KS4	=-NS 17L07															A
P	1043350		LIN04	=-BCR*/DAT20/ 22R13.\$															A
P	1043370		L104	=B.10FR4.N10FR0 11L36.44.37.36-01M05C-01R05C-01T06T															B
P	1043374		NL104	=I.L104. 19L19.03.20X.19-01L29T															A
P	1043384		NL104-1	=I.L104. 14T44.42.50X.44-01T44T															B
P	1043400		W/LK0/4	=.S4 01N33															A
P	1043401		W/LK1/4	=.S4 02N33															A

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CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L									
1	23456789	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1044290		MFL4/L	=-LD.MFL4.												A
P	1044290			18Q\$.06,10X												A
P	1044500		04	=FF												A
P	1044500			23L02.02-32K21C-01A21C-12A42T												A
P	1044502		NO4	=NFF												A
P	1044502			23L21.21-32K22C-01A22C-15C01C-15D01C-30E03T												A
P	1044504		S/04	=*.C4 .0XC						+ .GND2223						A
P	1044504			23L18X,18X,25,10X,						18X,17X						A
P	1044510		R/04	= .0X												A
P	1044510			23L23												A
P	1044512		C/04	= .CL-32P04												A
P	1044512			23L01X												A
P	1045500		PR4	=B*+.A4 .D4 .PRXAD/0						+ .NA4-1 .D4 .PRXNAD/0						A
P	1045500			27L02X,\$,\$,18X,23X,29X,						,\$,\$,23X,27X						A
P	1045502			+ .A4 .ND4 .PRXAND/0						+ .NA4-1 .ND4 .PRXNAND/0						A
P	1045502			27L\$,18X,\$,20X,						,\$,\$,\$,26X						A
P	1046220		W/RP080/4	= .RW4												A
P	1046220			09K33												A
P	1046222		W/RP180/4	= .RW4												A
P	1046222			10K33												A
P	1046224		W/RP280/4	= .RW4												A
P	1046224			11K33												A
P	1046226		W/RP380/4	= .RW4												A
P	1046226			12K33												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L		
			1	2	3	4	5	6	7	8	9	10		20	30	40	50	60	70
	1046300		RR4	=-BCR*/RRW4/ 13K36, \$.36-24L38T										A	
P	1046300													A	
	1046302			-HSM										A	
P	1046302			05K45										A	
	1046304			-HSM										A	
P	1046304			06K45										A	
	1046306			-HSM										A	
P	1046306			07K45										A	
	1046308			-HSM										A	
P	1046308			08K45										A	
	1046310			-HSM										A	
P	1046310			09K45										A	
	1046312			-HSM										A	
P	1046312			10K45										A	
	1046314			-HSM										A	
P	1046314			11K45										A	
	1046316			-HSM										A	
P	1046316			12K45										A	
	1046330		/RRW4/	=-BCD*B.S4 .RRWXS/0										A	
P	1046330			13K\$,35,14L47,31,50X										A	
	1046340		RW4	=B.S4 .RWXS/0										A	
P	1046340			13L28,21,29X,28-16L06T										B	
	1046342			B.N(FUA10,PH5.SW10).										A	
P	1046342			24K 35,33X,39										A	
	1046500		S4	=I.K4 .PR4 .SXADD-0B										A	
P	1046500			27L19X,46X,02X,50X,19X-05M50C-05N50C-09N37T										A	
	1046502			B*+.K4 .SXADD-0B										A	
P	1046502			27L19X, \$., \$.46X,50X, +.PR4										A	
	1046504			+.B4 .SXB-0										A	
P	1046504			27L\$.33,45X, \$.15X,41X										A	
	1046506			+.DA4.SXDA										A	
P	1046506			27L\$.42,43X										A	
	1046560		S4/L	=-LD*+.S4.KDI-1										A	
P	1046560			17L\$, \$., \$.18,29X, \$.19,13X										A	
	1050100		A5	=FF										A	
P	1050100			04L25X,25X-18M10C-18N10C-17Q24T										A	
	1050104		NA5	=NFF										A	
P	1050104			04L26X										A	



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133263-001 AC
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CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L	
	1 2 3 4 5 6 7 8 9 10		10 1 2 3 4 5 6 7 8 9 20	2 3 4 5 6 7 8 9 30	2 3 4 5 6 7 8 9 40	2 3 4 5 6 7 8 9 50	2 3 4 5 6 7 8 9 60	2 3 4 5 6 7 8 9 70
P	1050110	S/A5	==+.K95 .AXK-0			+ .A13 .AXAL8-0	A	
P	1050110		04L31X,02L41X,09,\$.			+1X,24,10X	A	
P	1050112		+ .S5 .AXS/0			+ .S6 .AXSL1-0	A	
P	1050112		02L41X,14X,37X.			+1X,04X,\$	A	
P	1050114		+ .S4 .AXSR1-0			+ .S3 .AXSR2-0	A	
P	1050114		02L41X,35X,\$.			+1X,44X,\$	A	
P	1050116		+ .RR5 .AXRR/0			+ .D105/1 .AXD10-0	A	
P	1050116		05L47X,39,33X.			+47X,40,31X	A	
P	1050118		+ .FR5 .AXFR			+ .A5L .AXLOAD-0	A	
P	1050118		04L31X,50,18X.			31X,42,34X	A	
P	1050120		+ .NA5 .A6 .A7 .AUC7			+ .NA5 .NA6 .NA7 .ADC7	A	
P	1050120		04L31X,26X,47X,45X,23X.			31X,26X,28X,27X,04X	A	
P	1050122		+ .FS .AXPSW1			+ .CIF .AXPSW2	A	
P	1050122		04L31X,38,15X.			31X,41,35X	A	
P	1050124		+ .MC5 .AXMC				A	
P	1050124		05L47X,41,27X				A	
P	1050130	R/A5	==+.A6 .A7 .AUC7			+ .NA6 .NA7 .ADC7	A	
P	1050130		04L24X,24X,47X,45X,23X,24X,28X,27X,04X				A	
P	1050132		+ .AX/0				A	
P	1050132		04L24X,29X				A	
P	1050134	C/A5	= .CL-32P01				A	
P	1050134		04L01X				A	
P	1050140	NA5-1	=I .A5				A	
P	1050140		27L\$,24X				A	
P	1050150	A5L	=B*+. (P30.NP31).			+ .A0L	A	
P	1050150		04K02,\$,\$,22,17,07X.			\$.24,23,12X	A	
P	1050300	B5	=FF				A	
P	1050300		23L31				A	
P	1050304	NB5	=NFF				A	
P	1050304		23L26				A	
P	1050310	S/B5	==+.B6 .BXL1-0			+ .B4 .BXR1-0	A	
P	1050310		23L46X,21L41X,04X,\$.			+1X,35X,\$	A	
P	1050312		+ .B3 .BXR2-0			+ .S5 .BXS/0	A	
P	1050312		21L41X,44X,\$.			+1X,09X,\$	A	
P	1050314		+ .GND2223.			+ .B5 .BXB-0	A	
P	1050314		23L46X,43,36X.			21L41X,14X,37X	A	
P	1050316		+ .FP5 .BXFP-0			+ .GND2223	A	
P	1050316		21L41X,24,10X.			23L46X,37X	A	
P	1050330	R/B5	= .BX-0				A	
P	1050330		23L44				A	
P	1050334	C/B5	= .CL-32P04				A	
P	1050334		23L01X				A	

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			10	20	30	40	50	60	70	80	90	100	110	120	
	1050500		C5	=FB*.C5 .HOLDC-0						+.S5 .CXS/0			A		
P	1050500			27L05X,\$,\$.05X,+0X,						\$.17X,.31X,.05X-28K26T			A		
	1050502			+.M85 .CXMB-0						+.RR5 .CXRR-0			A		
P	1050502			27L\$.30,.34X,						\$.35,.37X			A		
	1050520		NC5	=I.C5 .									A		
P	1050520			19L17,.01,.20X,.17-28K18T									A		
	1051300		D5	=FF									A		
P	1051300			27L28X									A		
	1051304		ND5	=NFF									A		
P	1051304			27L\$									A		
	1051310		S/D5	=*.C5 .DXC-0						+.C6 .DXCL1-0			A		
P	1051310			27L\$,\$.05X,.08X,						\$.10X,.14X			A		
	1051312			+.S5 .DXS-0						+.029 .DXDR8/0			C		
P	1051312			27L\$,.17X,.03X,						\$.12,.11X			A		
	1051330		R/D5	=.DX/08									A		
P	1051330			27L07X									A		
	1051334		C/D5	=.CL-32P06									A		
P	1051334			27L09X									A		
	1051360		DA5	=-BCR*/DA5/									A		
P	1051360			08L10,\$									A		
	1051370		NDA5	=I.DA5 .									A		
P	1051370			15M19,.03,.20X,.19-08K39T									B		
	1051380		/DA5/	=-BCD*10DA5									A		
P	1051380			08L\$,09									A		
	1051500		D105	=-BCR*/D105/									A		
P	1051500			09M18,\$									A		
	1051510		D105/1	=FF									A		
P	1051510			07M04									A		
	1051511		ND105/1	=NFF									A		
P	1051511			07M05									A		
	1051512		S/D105/1	=*.D105 .D10XD10-0						+.GND2307			A		
P	1051512			07M03X,.03X,.24,.10X,						03X,.17X			A		
	1051513			+.S5 .D10XS-0.									A		
P	1051513			06M44,.45,.43X,.46X									A		
	1051517		R/D105/1	=.D10X-0									A		
P	1051517			07M22									A		

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																																				
			10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1053402		W/LK2/5 = .S5																					A																																				
	1053402		03N28																					A																																				
P	1053403		W/LK3/5 = .S5																					A																																				
	1053403		04N28																					A																																				
P	1053600		LOCK5 = -HSM																					A																																				
	1053600		01N46, 46-09N42T																					A																																				
	1053601		-HSM																					A																																				
P	1053601		02N46																					A																																				
	1053602		-HSM																					A																																				
P	1053602		03N46																					A																																				
	1053603		-HSM																					A																																				
P	1053603		04N46																					A																																				
P	1054100		MB5 = -BCR*/MB5/																					A																																				
	1054100		12M18, \$																					A																																				
P	1054150		/MB5/ = -BCD*B.S5 .MBXS/0																					A																																				
	1054150		12M\$, 15, 13M18, 04, 20X																					A																																				
P	1054200		MC5 = FF																					A																																				
	1054200		12N25X, 25X-10M24C-10N24C																					A																																				
P	1054201		NMC5 = NFF																					A																																				
	1054201		12N26X																					A																																				
P	1054202		S/MC5 = +.S5.MCXS										+.P31-1.MCXPL2											A																																				
	1054202		12N31X, 31, 50, 18X,										31X, 42, 34X											A																																				
P	1054204		+.CC2.AXCC										+.NP30.MCXNPL1											A																																				
	1054204		12N31X, 41, 35X,										31X, 38, 15X											A																																				
P	1054206		+.MCDC7.NMC5.NMC6.NMC7										+.GND2412.NMC5..											A																																				
	1054206		12N31X, 04X, 26X, 28X, 27X,										31X, 23X, 26X, 47X, 45X											A																																				
P	1054210		R/MC5 = +.MCX																					A																																				
	1054210		12N24X, 24X, 29X																					A																																				
P	1054212		+.MCDC7.NMC6.NMC7										+.GND2412..											A																																				
	1054212		12N24X, 04X, 28X, 27X,										24X, 23X, 47X, 45X											A																																				
P	1054214		C/MC5 = .CL-32P17																					A																																				
	1054214		12N01X																					A																																				
P	1054280		MFL5 = -BCR*/MFL5/																					A																																				
	1054280		31N18, \$																					A																																				
P	1054284		/MFL5/ = -BCD*GND2431																					A																																				
	1054284		31N\$, 15																					A																																				
P	1054290		MFL5/L = -LD.MFL5.																					A																																				
	1054290		18Q\$, 17, 10X																					A																																				

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L						
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
P	1056330		/RRWS/	=-BCD*B.S5 .RRWS/0 13K\$.37,14L46,30,50X										A					
P	1056340		RW5	=B.S5 .RWXS/0 13L27,22,29X,27-16L24T										A B					
P	1056500		S5	=I.K5 .PR5 .SXADD-0B 27L17X,38X,01X,50X,17X-05M28C-05N28C-13P25T										A					
P	1056502			B*+.K5 .SXADD-0B 27L17X,\$,\$,38X,50X,										A					
P	1056504			+.B5 .SXB-0 27L\$,47,45X,										A					
P	1056506			+.DA5.SXDA 27L\$,44,43X										A					
P	1056560		S5/L	=-LD*+.S5.KD1-1 17L\$,,\$,\$,14,29X,										A A					
P	1060100		A6	=FF 04L19,19-24M02C-24N02C-17Q29T										A A					
P	1060104		NA6	=NFF 04L21X										A A					
P	1060110		S/A6	=++.KS6 .AXK-0 04L20X,02L42X,19,\$,										A A					
P	1060112			+.S6 .AXS/0 02L42X,04X,37X,										A A					
P	1060114			+.S5 .AXSR1-0 02L42X,14,\$,										A A					
P	1060116			+.RR6 .AXRR/0 05L02X,15,33X,										A A					
P	1060118			+.FR6 .AXFR 04L20X,06,18X,										A A					
P	1060120			+.NA6.A7.AUC7. 04L20X,21X,05X,23X,02X,										A A					
P	1060122			+.FZ.AXPSW1 04L20X,13,15X,										A A					
P	1060124			+.MC6.AXMC 05L02X,18,27X										A A					
P	1060130		R/A6	=++.A7.AUC7. 04L17X,17X,05X,23X,02X,										A A A					
P	1060132			+.AX/0 04L17X,29X										A					
P	1060134		C/A6	=.CL-32P01 04L01X										A A					
P	1060140		NA6-1	=I.A6 28L\$,18X										A A					

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18
	20	21	22	23	24	25	26	27	28
	30	31	32	33	34	35	36	37	38
	40	41	42	43	44	45	46	47	48
	50	51	52	53	54	55	56	57	58
	60	61	62	63	64	65	66	67	68
	70	71	72	73	74	75	76	77	78
P	1060150		A6L	=B** .NP29. (P30. NP31)	.			+ . (NP30. P31)	A
	1060150			17P47, \$, \$, 28, 36, 35X, \$, 30,				29, 41X, 47-14M01C-14N01C	A
P	1060300		B6	=FF					A
	1060300			23L30					A
P	1060304		NB6	=NFF					A
	1060304			23L29					A
P	1060310		S/B6	=** .B7 .BXBL1-0				+ .B5 .BXBR1-0	A
	1060310			23L41X, 21L42X, 36X, \$, 42X, 14X, \$					A
P	1060312			+ .B4 .BXBR2-0				+ .S6 .BXS/ 0	A
	1060312			21L42X, 35X, \$,				42X, 19, \$	A
P	1060314			+ .GND2223.				+ .B6 .BXB-0	A
	1060314			23L41X, 42, 36X,				21L42X, 04X, 37X	A
P	1060316			+ .FP6 .BXFP-0				+ .GND2223	A
	1060316			21L42X, 29, 10X,				23L41X, 37X	A
P	1060330		R/B6	= .BX-0					A
	1060330			23L40					A
P	1060334		C/B6	= .CL-32P04					A
	1060334			23L01X					A
P	1060500		C6	=FB** .C6 .HOLDC-0				+ .S6 .CXS/0	A
	1060500			28L15X, \$, \$, 15X, 40X,				\$, 19X, 31X, 15X-16L13T	A
P	1060502			+ .MB6 .CXMB-0				+ .RR6 .CXRR-0	A
	1060502			28L \$, 36, 34X,				\$, 39, 37X	A
P	1060520		NC6	=I .C6					A
	1060520			19L15, 13, 15-28K31T					A
P	1061300		D6	=FF					A
	1061300			28L23X					A
P	1061304		ND6	=NFF					A
	1061304			28L \$					A
P	1061310		S/D6	=** .C6 .DXC-0				+ .C7 .DXCL1-0	A
	1061310			28L \$, \$, 15X, 08X,				\$, 05X, 14X	A
P	1061312			+ .S6 .DXS-0				+ . (S/D6) .	A
	1061312			28L \$, 19X, 03X,				\$, 13, 11X	A
P	1061330		R/D6	= .DX/0B					A
	1061330			28L07X					A
P	1061334		C/D6	= .CL-32P06					A
	1061334			28L09X					A
P	1061340		ND6-1	=I .D6.					A
	1061340			15M45, 43, 50X, 45-16L20T					J

CODE	LINE NO.	C/D	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	1061350	(S/D6)	=B*+.RESET/C..					+D30.DXDR8/0.	D	
P	1061350		21N03,\$,\$,09,08,07X,\$,10,					11,12X,03-24M03C-24N03C	A	
P	1061360	DA6	=-BCR*/DA6/						A	
P	1061360		08L04,\$						A	
P	1061370	NDA6	=I.DA6						A	
P	1061370		15M05,02,20X,05-08K42T						B	
P	1061380	/DA6/	=-BCD*10DA6						A	
P	1061380		08L\$,01						A	
P	1061500	D106	=-BCR*/D106/						A	
P	1061500		09M20,\$						A	
P	1061510	D106/1	=FF						A	
P	1061510		07M14						A	
P	1061511	ND106/1	=NFF						A	
P	1061511		07M12						A	
P	1061512	S/D106/1	=*.D106.D10XD10-0					+GND2307	A	
P	1061512		07M11X,11X,13,10X,					11X,20	A	
P	1061513		+\$.S6.D10XS-0						A	
P	1061513		06M22,23,29X						A	
P	1061517	R/D106/1	=.D10X-0						A	
P	1061517		07M15						A	
P	1061518	C/D106/1	=.CL-32P08						A	
P	1061518		07M01X						A	
P	1061520	/D106/	=-BCD*D106/1						A	
P	1061520		09M\$,19						A	
P	1062100	FP6	=I.S6.FPXS-0						A	
P	1062100		16M25,23,29X,25-32L07C-31L07T						A	
P	1062200	FR6	=-BCR*/FR6/						A	
P	1062200		10L04,\$						A	
P	1062220	/FR6/	=-BCD*GND2210						A	
P	1062220		10L\$,01						A	
P	1062500	G6	=B*+.A6.D6.GXAD-0					+NA6-1.D6.GXNAD-0	A	
P	1062500		28L06X,\$,\$,18X,23X,21X,					,\$,\$,23X,22X	A	
P	1062502		+A6.ND6.GXAND-0						A	
P	1062502		28L\$,18X,\$,25X						A	
P	1062580	IN6	=FF						A	
P	1062580		28R30X						A	

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	1062582		S/IN6	= .DAT20 .AEENLE						A
	1062582			28R08X,37X						A
P	1062584		R/IN6	=*+.DAT20.ADBDB			+ .REN-1			A
	1062584			28R\$, \$.08X,35X,			\$.41X			A
P	1062587		C/IN6	= .GCLK-0						A
	1062587			28R07X						A
P	1062590		INT6	=B*+.LIN06.NEWDM			+ .OVLN6.ENOVRD			A
	1062590			28S35,\$. \$.42,30X,			\$.39,31X			A
P	1062592			+ .ENCNTR.GND2828			+ .ENIO.			A
	1062592			28S\$,29X,36.			\$.28X,38			A
P	1062594			+ .INT6.GND2828						A
	1062594			28S\$,35X,27X						A
P	1062600		W/I01B0/6	= .RW6						A
	1062600			05K17						A
P	1062602		W/I02B0/6	= .RW6						A
	1062602			06K17						A
P	1062604		W/I03B0/6	= .RW6						A
	1062604			07K17						A
P	1062606		W/I04B0/6	= .RW6						A
	1062606			08K17						A
P	1062620		I0DA6	=FF						A
	1062620			09L37						A
P	1062621		NI0DA6	=NFF						A
	1062621			09L39						A
P	1062622		S/I0DA6	=*+.GND2209			+ .A7.GND2209			A
	1062622			09L\$, \$.40X,44,			\$.45X,38X			A
P	1062623			+ .A6.I0DAXA			+ .A5.GND2209			A
	1062623			09L\$,10X,36X,			\$.25X,34X			A
P	1062626		R/I0DA6	=*+.I0DAX						A
	1062626			09L\$, \$.42X						A
P	1062628		C/I0DA6	= .CL-32P03						A
	1062628			09L01X						A
P	1062640		I0FR6	=FF						A
	1062640			09L07X;07X-01M12C-01R12C-06R12T						A
P	1062641		NI0FR6	=NFF						A
	1062641			09L15						A

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CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8	9	10 11 12 13 14 15 16 17 18 19 20	21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68 69 70	
P	1066222		W/RP180/6	=.RW6					A
P	1066222			10K17					A
P	1066224		W/RP280/6	=.RW6					A
P	1066224			11K17					A
P	1066226		W/RP380/6	=.RW6					A
P	1066226			12K17					A
P	1066300		RR6	=-BCR*/RRW6/					A
P	1066300			13K40	,\$.40-30M02T				A
P	1066302			-HSM					A
P	1066302			05K04					A
P	1066304			-HSM					A
P	1066304			06K04					A
P	1066306			-HSM					A
P	1066306			07K04					A
P	1066308			-HSM					A
P	1066308			08K04					A
P	1066310			-HSM					A
P	1066310			09K04					A
P	1066312			-HSM					A
P	1066312			10K04					A
P	1066314			-HSM					A
P	1066314			11K04					A
P	1066316			-HSM					A
P	1066316			12K04					A
P	1066330		/RRW6/	=-BCD*B.S6	.RRWXS/0				A
P	1066330			13K\$,39,14	44,42,50X				A
P	1066340		RW6	=B.S6	.RWXS/0				A
P	1066340			13L25,23,29X,25-16L04T					B
P	1066500		S6	=I.K6	.PR6 .SXADD-0B				A
P	1066500			28L19X,46X,02X,50X,19X-05M17C-05N17C-13P24T					A
P	1066502			B**K6 .SXADD-0B					A
P	1066502			28L19X,\$.46X,50X,					A
P	1066504			+.B6 .SXB-0					A
P	1066504			28L\$,33,45X,					A
P	1066506			+.DA6.SXDA					A
P	1066506			28L\$,42,43X					A
P	1066560		S6/L	=-LD**S6.K0I-1					A
P	1066560			17L\$,\$.11,29X,					A
P	1070100		A7	=FF					A
P	1070100			04L05X,05X-18M11C-18N11C-17Q27T					A
P	1070104		NA7	=NFF					A
P	1070104			04L22X					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1070110		S/A7	=+.KS7 .AXK-0 04L12X,02L06X,21,\$.										+.A15.AXAL8-0 06X,27,10X											A																									
P	1070112			+.S7 .AXS/0 02L06X,36X,37X,										+.S8 .AXSL1-0 06X,43,\$											A																									
P	1070114			+.S8 .AXSR1-0 02L06X,04X,\$.										+.S5 .AXSR2-0 02L06X,14,\$											A																									
P	1070116			+.RR7 .AXRR/0 05L04X,10,33X,										+.D107/1.AXD10-0 04X,09,31X											A																									
P	1070118			+.FR7.AXFR 04L12X,07,18X,										+.A7L.AXLOAD-0 12X,14,34X											A																									
P	1070120			+.NA7.AUC7. 04L12X,22X,23X,02X,										+.NA7.ADC7. 12X,22X,04X,02X											A																									
P	1070122			+.FNF.AXPSW1 04L12X,11,15X,										+.E1.AXPSW2 12X,10,35X											A																									
P	1070124			+.MC7.AXMC 05L04X,08,27X																					A																									
P	1070130		R/A7	=+.AUC7. 04L03X,03X,23X,02X,										+.ADC7. 03X,04X,02X											A																									
P	1070132			+.AX/0 04L03X,29X																					A																									
P	1070134		C/A7	=.CL-32P01 04L01X																					A																									
P	1070140		NA7-1	=I.A7 28L\$,24X																					A																									
P	1070150		A7L	=B+.P28-1 04K01,\$,\$,19,18,07X,										+.A0L.P31-1. \$,20,21,12X											A																									
P	1070300		B7	=FF 23L33																					A																									
P	1070304		NB7	=NFF 23L34																					A																									
P	1070310		S/B7	=+.B8 .BXBL1-0 23L39X,21L06X,43,\$,06X,04X,\$										+.B6 .BXBR1-0 +.S7 .BXS/0 06X,21,\$											A																									
P	1070312			+.B5 .BXBR2-0 21L06X,14X,\$.										+.B7 .BXB-0 +.GND2223											A																									
P	1070314			+.GND2223. 23L39X,35,36X,										21L06X,36X,37X											A																									
P	1070316			+.FP7.BXFP-0 21L06X,27,10X,23L39X,37X																					A																									
P	1070330		R/B7	=.BX-0 23L38																					A																									
P	1070334		C/B7	=.CL-32P04 23L01X																					A																									

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12	
	1070500	C7	=FB*+.C7	.HOLDC-0					+ .S7	.CXS/0					A
P	1070500		28L05X,	\$.05X,	40X,				\$.17X,	.31X,	.05X-16L12T				A
	1070502		+ .MB7	.CXMB-0					+ .RR7	.CXRR-0					A
P	1070502		28L\$.30,	.34X,					\$.35,	.37X					A
	1070520	NC7	=I.C7												A
P	1070520		19L11,	.12,	.11-28K19T										A
	1070850	CNLN7	=I.NR1	.011.											A
P	1070850		20S46.	.30,	.50X,	46-27S21T									A
	1071300	D7	=FF												A
P	1071300		28L28X												A
	1071304	ND7	=NFF												A
P	1071304		28L\$												A
	1071310	S/D7	=*+.C7	.DXC-0					+ .C8	.DXCL1-0					A
P	1071310		28L\$.05X,	.08X,					\$.10X,	.14X					A
	1071312		+ .S7	.DXS-0					+ .(S/D7).						A
P	1071312		28L\$.17X,	.03X,					\$.12,	.11X					A
	1071330	R/D7	= .DX/OB												A
P	1071330		28L07X												A
	1071334	C/D7	= .CL-32P06												A
P	1071334		28L09X												A
	1071340	D7-1	=B.D7												A
P	1071340		26K05.	.03,	.05-32K11C-01A11C-09C45T										A
	1071342	ND7-1	=I.D7-1.												A
P	1071342		05C45.	.43,	.50X,	45-23C09C-23D09C-26D15T									A
	1071350	(S/D7)	=B.D31	.DXDR8/0.											C
P	1071350		13M06.	.07,	.08,	.14,	.06-28K43T								A
	1071360	DA7	=-BCR*/DA7/												A
P	1071360		08L06.\$												A
	1071370	NDA7	=I.DA7												A
P	1071370		15M17.	.01,	.20X,	17-08K40T									B
	1071380	/DA7/	=-BCD*IODA7												A
P	1071380		08L\$.02												A
	1071500	DI07	=-BCR*/DI07/												A
P	1071500		09M22.\$												A
	1071510	DI07/1	=FF												A
P	1071510		07M06												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60		
P	1072600		W/101B0/7	=.RW7						A
P	1072600			05K11						A
P	1072602		W/102B0/7	=.RW7						A
P	1072602			06K11						A
P	1072604		W/103B0/7	=.RW7						A
P	1072604			07K11						A
P	1072606		W/104B0/7	=.RW7						A
P	1072606			08K11						A
P	1072620		I0DA7	=FF						A
P	1072620			09L41						A
P	1072621		N10DA7	=NFF						A
P	1072621			09L43						A
P	1072622		S/I0DA7	=**+.GND2209						A
P	1072622			09L\$.\$.40X,46,						A
P	1072623			+.A7.I0DAXA						A
P	1072623			09L\$.45,36X,						A
P	1072626		R/I0DA7	=**+.I0DAX						A
P	1072626			09L\$.\$.42X						A
P	1072628		C/I0DA7	=.CL-32P03						A
P	1072628			09L01X						A
P	1072640		I0FR7	=FF						A
P	1072640			09L03X,03X-01M37C-01R37C-05T08T						B
P	1072641		N10FR7	=NFF						A
P	1072641			09L05X						A
P	1072642		S/I0FR7	=**+.FR7.I0FRXFR						A
P	1072642			09L\$.\$.08,11X,						A
P	1072643			+.GND2209						A
P	1072643			09L\$.06,14X,						A
P	1072646		R/I0FR7	=**+.I0FRX						A
P	1072646			09L\$.\$.09X						A
P	1072648		C/I0FR7	=.CL-32P03						A
P	1072648			09L01X						A
P	1072650		I0LN7	=I.NR1415.						A
P	1072650			20S45,43,50X,45-27S22T						A
P	1072660		IP7	=FF						A
P	1072660			28R21X						A

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CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS				C/L	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
P	1073372		LI07-1	=B.LI07-0	.									A
P	1073372			13M27,22,29X,27-01M09C-01R09C-01S39T										A
P	1073400		W/LK0/7	=.S7										A
P	1073400			01N11										A
P	1073401		W/LK1/7	=.S7										A
P	1073401			02N11										A
P	1073402		W/LK2/7	=.S7										A
P	1073402			03N11										A
P	1073403		W/LK3/7	=.S7										A
P	1073403			04N11										A
P	1073600		LOCK7	=-HSM										A
P	1073600			01N01,01-09N43T										A
P	1073601			-HSM										A
P	1073601			02N01										A
P	1073602			-HSM										A
P	1073602			03N01										A
P	1073603			-HSM										A
P	1073603			04N01										A
P	1074100		MB7	=-BCR*/MB7/										A
P	1074100			12M22,\$										A
P	1074150		/MB7/	=-BCD*B.S7.MBXS/0										A
P	1074150			12M\$,23,13M35,39,33X										A
P	1074200		MC7	=FF										A
P	1074200			12N05X,05X-10M06C-10N06C										A
P	1074201		NMC7	=NFF										A
P	1074201			12N22										A
P	1074202		S/MC7	=*+.S7.MCXS										A
P	1074202			12N12X,12X,07,18X,										A
P	1074204			+ .CC4.AXCC										A
P	1074204			12N12X,10,35X,										A
P	1074206			+.(S/MC7)...										A
P	1074206			12P02,03,20,19X,07X										A
P	1074208			+ .MCDC7.NFUS-1.NMC7										A
P	1074208			12N12X,04X,02X,22X,										A
														A
P	1074210		R/MC7	=*+.MCX										A
P	1074210			12N03X,03X,29X										A
P	1074212			+ .MCDC7.NFUS-1										A
P	1074212			12N03X,04X,02X,										A
														A
														A
														A
														A
														A
														A
														A
														A

CODE	LINE NO.	CHG	LOGIC EQUATIONS							PINS	REMARKS	C/L		
			1	2	3	4	5	6	7					
P	1074214		C/MC7	=	.CL-32P17									A
P	1074214				12N01X									A
P	1074225		(S/MC7)	=	B. (FAST.PRE3).N06-1									A
P	1074225				17B01,10,11,01-16C37C-16D37C-01D29C-32N29C-19N33T									A
P	1074280		MFL7	=	-BCR*/MFL7/									A
P	1074280				31N42,\$									A
P	1074284		/MFL7/	=	-BCD*GND2431									A
P	1074284				31N\$,45									A
P	1074290		MFL7/L	=	-LD.MFL7.									A
P	1074290				18P\$,17,10X									A
P	1074500		07	=	FF									A
P	1074500				23L06,06-32K27C-01A27C-11C15C-11D15C-06E50T									A
P	1074502		N07	=	NFF									A
P	1074502				23L07,07-32K28C-01A28C-31C05C-31D05C-10F25T									A
P	1074504		S/07	=	*+.C7 .0XC									A
P	1074504				23L\$, \$.08,10X,									A
P	1074510		R/07	=	.0X									A
P	1074510				23L09									A
P	1074512		C/07	=	.CL-32P04									A
P	1074512				23L01X									A
P	1074530		07-1	=	B .07									U
P	1074530				24K28,21,29X,28-20R02T-21N15J									U
P	1074550		N07-FP	=	1.07									A
P	1074550				16M10,09,10-32L43C									A
P	1074600		OVLN7	=	1.NR23.NR67									A
P	1074600				30S02,03,09,02-27S20T									A
P	1075500		PR7	=	B*+.A7 .D7 .PRXAD/0									A
P	1075500				28L01X,\$,\$.24X,28X,29X,									A
P	1075502				+ .A7 .ND7 .PRXAND/0									A
P	1075502				28L\$,24X,\$.20X,									A
P	1076220		W/RP0B0/7=	.RW7										A
P	1076220				09K11									A
P	1076222		W/RP1B0/7=	.RW7										A
P	1076222				10K11									A
<p>1 2345678 9 10 123456789 20 23456789 30 23456789 40 23456789 50 23456789 60 23456789 70</p>														

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /		REMARKS	C/L																
	1	9	10	12	34	56	78	9	20	23	45	67	89	30	1	23	45	67	89	40	2	34	56	78	90	50	1	23	45	67	89	70
	1076224																															
P	1076224		W/RP280/7=			.RW7																							A			
	1076224																															
P	1076224					11K11																							A			
	1076226																															
P	1076226		W/RP390/7=			.RW7																							A			
	1076226																															
P	1076226					12K11																							A			
	1076300																															
P	1076300		RR7			=-BCR*/RRW7/																							A			
	1076300																															
P	1076300					13K42, S, 42-30M03T																							A			
	1076302																															
P	1076302					-HSM																							A			
	1076302																															
P	1076302					05K01																							A			
	1076304																															
P	1076304					-HSM																							A			
	1076304																															
P	1076304					06K01																							A			
	1076306																															
P	1076306					-HSM																							A			
	1076306																															
P	1076306					07K01																							A			
	1076308																															
P	1076308					-HSM																							A			
	1076308																															
P	1076308					08K01																							A			
	1076310																															
P	1076310					-HSM																							A			
	1076310																															
P	1076310					09K01																							A			
	1076312																															
P	1076312					-HSM																							A			
	1076312																															
P	1076312					10K01																							A			
	1076314																															
P	1076314					-HSM																							A			
	1076314																															
P	1076314					11K01																							A			
	1076316																															
P	1076316					-HSM																							A			
	1076316																															
P	1076316					12K01																							A			
	1076330																															
P	1076330		/RRW7/			=-BCD*B.S7 .RRWS/0																							A			
	1076330																															
P	1076330					13K5, 45, 1445, 43, 50X																							A			
	1076340																															
P	1076340		RW7			=B.S7 .RWXS/0																							A			
	1076340																															
P	1076340					13L26, 24, 29X, 26-16L34T																							B			
	1076500																															
P	1076500		S7			=I.K7 .PR7.SXADD-0B																							A			
	1076500																															
P	1076500					28L17X, 38X, 01X, 50X, 17-05M11C-05N11C-22P04T																							A			
	1076502																															
P	1076502					B**K7 .SXADD-0B																							A			
	1076502																															
P	1076502					28L17X, S, S, 38X, 50X,																							A			
	1076504																															
P	1076504					+.B7 .SXB-0																							A			
	1076504																															
P	1076504					28LS, 47, 45X,																							A			
	1076504																															
P	1076504					+.DA7.SXDA																							A			
	1076506																															
P	1076506					28LS, 44, 43X																							A			
	1076560																															
P	1076560		S7/L			=-LD*+, S7.K01-1																							A			
	1076560																															
P	1076560					17LS, S, S, 22, 29X,																							A			
	1080100																															
P	1080100		A8			=FF																							A			
	1080100																															
P	1080100					03M23, 23-01M18C-01R18C-11S50T																							A			
	1080104																															
P	1080104		NAB			=NFF																							A			
	1080104																															
P	1080104					03M25																							A			

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																																				
			10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	1080110	S/AB	=+.K58 .AXK-1										+.A16 .AXAL8-1											A																																				
P	1080110		03M12X,02M18X,22,\$.										18X,31,10X											A																																				
	1080112		+.58 .AXS-1										+.59 .AXSL1-1											A																																				
P	1080112		02M18X,05X,37X,										18X,17X,\$											A																																				
	1080114		+.57 .AXSR1-1										+.56 .AXSR2-1											A																																				
P	1080114		02M18X,07X,\$.										18X,08,\$											A																																				
	1080116		+.RR8 .AXRR/1										+.D108/1.AXD10-1											A																																				
P	1080116		03M12X,26X,39X,										12X,34,38X											A																																				
	1080118		+.NMASTER.AXPSW1										+.P28-1.AXLOAD-0											A																																				
P	1080118		03M12X,46,41X,										12X,20,18X											A																																				
	1080120		+. (S/AB) .IOAXST										+.A0 .AXAR8											A																																				
P	1080120		03M12X,17,09X,										12X,04,08X											A																																				
	1080122		+.GND2303																					A																																				
P	1080122		03M12X,30,33X																					A																																				
	1080130	R/AB	=.AX/1																					A																																				
P	1080130		03M02X																					A																																				
	1080134	C/AB	=.CL-32P01																					B																																				
P	1080134		03M01X																					A																																				
	1080138	AB-1	=I.NAB.																					A																																				
P	1080138		15L44,42,50X,44-32M44C-03E44C-26F29T																					A																																				
	1080140	NAB-1	=I.AB																					A																																				
P	1080140		25M\$,18X																					A																																				
	1080150	(S/AB)	=I.N(S/AB).																					A																																				
P	1080150		28F41,38,33X,41-03E31C-32M31C-01L09T																					A																																				
	1080160	N(S/AB)	=I. SW10 .AB-1																					A																																				
P	1080160		28F44,50X,42,44-26F38T																					A																																				
	1080162		I.(FA10.PH2).NR31.NRZ																					A																																				
P	1080162		28F06,14,08,07																					A																																				
	1080300	BB	=FF																					A																																				
P	1080300		20M27																					A																																				
	1080304	NBB	=NFF																					A																																				
P	1080304		20M28																					A																																				
	1080310	S/BB	=+.B9 .BXL1-1										+.B7 .BXR1-1											A																																				
P	1080310		20M50X,19M18X,17X,\$.										18X,07X,\$											A																																				
	1080312		+.B6 .BXR2-1										+.58 .BXS/1											A																																				
P	1080312		19M18X,08,\$.										18X,22,\$											A																																				
	1080314		+. (S/BB) .IOPOP										+.88 .BxB-1											B																																				
P	1080314		20M50X,47,36X,										19M18X,05X,37X											A																																				
	1080316		+.FP8 .BXFP-1										+.GND2320											A																																				
P	1080316		19M18X,31,10X,										20M50X,37X											A																																				

SIGMA 5 CPU

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1080330		R/B8	=.BX/1												A
P	1080330			20M45												A
P	1080334		C/B8	=.CL-32P10												A
P	1080334			20M01X												A
P	1080350		(S/B8)	=B.0DINST.A1												A
P	1080350			11L13.04.08.13-11M47T												A
P	1080500		C8	=FB*+.C8.HOLDC-1												A
P	1080500			25M15X,\$.15X.40X.												A
P	1080502			+M88.CXMB-1												A
P	1080502			25M\$.36.34X.												A
P	1080850		CNLS8	=1.NR911.												A
P	1080850			20S47.31.50X.47-27S02T												A
P	1081300		D8	=FF												A
P	1081300			25M23X.23X-18M50C-18N50C-01P13T												A
P	1081304		ND8	=NFF												A
P	1081304			25M\$												A
P	1081310		S/D8	=*+.C8.DXC-1												A
P	1081310			25M\$.15X.08X.												A
P	1081312			+S8.DXS-1												C
P	1081312			25M\$.19X.03X.												A
P	1081330		R/D8	=.DX/1												A
P	1081330			25M07X												A
P	1081334		C/D8	=.CL-32P12												A
P	1081334			25M09X												A
P	1081340		ND8-1	=1.D8.												A
P	1081340			13N05.02.20X.05-09N31T												A
P	1081500		D108	=-BCR*/D108/												A
P	1081500			09M27.\$												A
P	1081510		D108/1	=FF												A
P	1081510			08M27												A
P	1081511		ND108/1	=NFF												A
P	1081511			08M28												A
P	1081512		S/D108/1	=*+.D108.D10XD10-1												A
P	1081512			08M50X.50X.47.36X.												A
P	1081513			+S8.D10XS-1.												A
P	1081513			06M04.05.07X.06X												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS												PINS												REMARKS	C/L																															
			1	2	3	4	5	6	7	8	9	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1081517		R/D108/1	=	.D10X-1																									A																													
P	1081517				08M45																									A																													
P	1081518		C/D108/1	=	.CL-32P08																									A																													
P	1081518				08M01X																									A																													
P	1081520		/D108/	=	-BCD*D108/1																									A																													
P	1081520				09M\$.25																									A																													
P	1082100		FP8	=	I.S8.FPXS-0																									A																													
P	1082100				16M34,40,33X,34-32L09C-31L09T																									A																													
P	1082500		G8	=	B*+.A8.D8.GXAD-1																								+.NA8-1.D8.GXNAD-1	A																													
P	1082500				25M06X,\$,\$,18X,23X,21X,																								,\$,\$,23X,22X	A																													
P	1082502				+.A8.ND8.GXAND-1																									A																													
P	1082502				25M\$.18X,\$.25X																									A																													
P	1082580		IN8	=	FF																									A																													
P	1082580				29R30X																									A																													
P	1082582		S/IN8	=	.DAT22.AEENLE																									A																													
P	1082582				29R08X,37X																									A																													
P	1082584		R/IN8	=	*+.DAT22.A08DB																								+.REN-2	A																													
P	1082584				29R\$, \$.08X,35X,																								\$.41X	A																													
P	1082587		C/IN8	=	.GCLK-1																									A																													
P	1082587				29R07X																									A																													
P	1082590		INT8	=	B*+.L1N08.NEWDM																								+.OVLN8.ENOVRD	A																													
P	1082590				28S13X,\$,\$.04,30X,																								\$.03,31X	A																													
P	1082592				+.CNLN8.ENCNTR																								+.10LN8.ENIO	A																													
P	1082592				28S\$.02,29X,																								\$.01,28	A																													
P	1082594				+.INT8.GND2828																									A																													
P	1082594				28S\$.13X,17X																									A																													
P	1082600		W/I01B1/8	=	.RW8																									A																													
P	1082600				23K35																									A																													
P	1082602		W/I02B1/8	=	.RW8																									A																													
P	1082602				22K35																									A																													
P	1082604		W/I03B1/8	=	.RW8																									A																													
P	1082604				21K35																									A																													
P	1082606		W/I04B1/8	=	.RW8																									A																													
P	1082606				20K35																									A																													
P	1082640		I0FR8	=	FF																									A																													
P	1082640				21M02,02-01M01C-01R01C-01T39T																									B																													

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS	REMARKS	C/L
			1	2	3	4	5	6	7	8	9	0			
P	1082641		NIOFR8 =NFF												A
P	1082641		21M21,21-05K42T												B
P	1082642		S/IOFR8 =*+. (S/IOFR8) .											+ .GND2321	A
P	1082642		21M18X,18X,25,10X, 18X, 17X												A
P	1082645		NIOFR8-1 =I.IOFR8.												A
P	1082645		14T46,30,50X,46-01T08T												B
P	1082647		R/IOFR8 =.												A
P	1082647		21M23												A
P	1082649		C/IOFR8 =.CL-32P10												A
P	1082649		21M01X												A
P	1082650		IOLNB =I.NR1315.												A
P	1082650		20S44,42,50X,44-27S01T												A
P	1082655		(S/IOFR8)=I.N(S/AXRR/4).N(S/RW/4).												A
P	1082655		08C12,06,05,07,12-01A47C-32K47C-22M25T												A
P	1082660		IP8 =FF												A
P	1082660		29R02X												A
P	1082661		NIP8 =NFF												A
P	1082661		29R\$												A
P	1082662		S/IP8 =*+.IS8.ARMCTR.											+ .DAT22.AEADB	A
P	1082662		29R\$, \$.10X,27X,05X,											\$.08X,29X	A
P	1082664		R/IP8 =*+.R8.IEC											+ .DAT22.DARM-2	A
P	1082664		29R\$, \$.11X,22X,											\$.08X,09X	A
P	1082666		E/IP8 =.RESET-1												A
P	1082666		29R45X												A
P	1082667		C/IP8 =.GCLK-1												A
P	1082667		29R07X												A
P	1082680		IS8 =FF												A
P	1082680		29R10X												A
P	1082682		S/IS8 =*+.IP8.SR8											+ .DAT22.IP8.TRIG	A
P	1082682		29R\$, \$.02X,04,											\$.08X,02X,03X	A
P	1082684		R/IS8 =*+.NIP8.IBC.											+ .DAT22.DARM-2	A
P	1082684		29R\$, \$, \$.06X,05X,											\$.08X,09X,	A
P	1082686		E/IS8 =.RESET-1												A
P	1082686		29R45X												A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L		
1	2345678	9	10 123456789	20 23456789	30 23456789	40 23456789	50 23456789	60 23456789	70
P	1082687		C/1S8	=.GCLK-1					A
P	1082687			29R07X					A
P	1082750		KB	=B**G9					A
P	1082750			30K26,\$,\$,44X					A
P	1082751			+.G10.PR9		+G11.PR9.PR10			A
P	1082751			30K\$,50X,40X,		\$,47X,40X,39X			A
P	1082752			+.K11.PR9.PR10.PR11					A
P	1082752			30K\$,42X,40X,39X,41X					A
P	1083050		KSB	=-NS					A
P	1083050			17M01					A
P	1083350		LIN08	=-BCR*/DAT24/					A
P	1083350			22R27,\$					A
P	1084100		MB8	=-BCR*/MB8/					A
P	1084100			12M27,\$					A
P	1084150		/MB8/	=-BCD*B.S8 .MBXS/1					A
P	1084150			12M\$,25,11L45,39,42					A
P	1084600		OVLN8	=I.NR1357.					A
P	1084600			20S18,04,20X,18-27S03T					A
P	1085500		PR8	=B**A8 .D8 .PRXAD/1A		+ .NAB-1 .D8 .PRXNAD/1A			A
P	1085500			25M02X,\$,\$,18X,23X,29X,		\$,\$,23X,27X			A
P	1085502			+.A8 .ND8 .PRXAND/1A		+ .NAB-1 .ND8 .PRXNAND/1A			A
P	1085502			25M\$,18X,\$,20X,		\$,\$,\$,26X			A
P	1086220		W/RP081/8	=.RWB					A
P	1086220			19K35					A
P	1086222		W/RP181/8	=.RWB					A
P	1086222			18K35					A
P	1086224		W/RP281/8	=.RWB					A
P	1086224			17K35					A
P	1086226		W/RP381/8	=.RWB					A
P	1086226			16K35					A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8	9	10 1 2 3 4 5 6 7 8 9	20 1 2 3 4 5 6 7 8 9	30 1 2 3 4 5 6 7 8 9	40 1 2 3 4 5 6 7 8 9	50 1 2 3 4 5 6 7 8 9	60 1 2 3 4 5 6 7 8 9	70
	1086300	RRB		=-BCR*/RRWB/					A
P	1086300			15K20, \$.20-01L50T					A
	1086302			-HSM					A
P	1086302			16K43					A
	1086304			-HSM					A
P	1086304			17K43					A
	1086306			-HSM					A
P	1086306			18K43					A
	1086308			-HSM					A
P	1086308			19K43					A
	1086310			-HSM					A
P	1086310			20K43					A
	1086312			-HSM					A
P	1086312			21K43					A
	1086314			-HSM					A
P	1086314			22K43					A
	1086316			-HSM					A
P	1086316			23K43					A
	1086330	/RRWB/		=-BCD*B.SB .RRWXS/1					A
P	1086330			15K\$, 19,14L17,01,20X					A
	1086340	RWB		=B.SB .RWXS/1					A
P	1086340			13L34,40,33X,34-16L40T					B
	1086500	SB		=I.KB .PRB .SXADD-1A					A
P	1086500			25M19X,46X,02X,50X,19X-01M13C-01R13C-11S25T					A
	1086502			B*+.KB .SXADD-1A					A
P	1086502			25M19X, \$.46X, 50X, \$.02X					A
	1086504			+.BB .SXB-1					A
P	1086504			25MS,33,45X, \$.15X,41X					A
	1086506			+.P32.S0809XP					A
P	1086506			25MS,42,43X					A
	1086560	SB/L		=-LD*+.SB.KDI-1					A
P	1086560			17MS, \$.38,29X, \$.37,23X					A
	1090100	A9		=FF					A
P	1090100			03M19,19-24M11C-24N11C-19Q01C-19R01C-11S45T					A
	1090104	NA9		=NFF					A
P	1090104			03M21					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1100110		S/A10	=+.KS10.AXK-1																				+ .A18.AXAL8-1		A																								
	1100110			03M37X,02M11X,23,\$.																				11X,34,10X		A																								
P	1100112			+.S10.AXS-1																				+ .S11.AXSL1-1		A																								
P	1100112			02M11X,45X,37X,																				11X,44X,\$		A																								
	1100114			+.S9 .AXSR1-1																				+ .S8 .AXSR2-1		A																								
P	1100114			02M11X,17X,\$.																				11X,05X,\$		A																								
	1100116			+.RR10.AXRR/1																				+ .D1010/1.AXDIO-1		A																								
P	1100116			03M37X,24X,39X,																				37X,47,38X		A																								
	1100118			+.DM .AXPSW1																				+ .GND2303.AXLOAD-0		A																								
P	1100118			03M37X,50,41X,																				37X,11,18X		A																								
	1100120			+.A2.10AXST																				+ .A2.AXARB		A																								
P	1100120			03M37X,07,09X,																				37X,03,08X		A																								
	1100122			+.RR9.GND2303																						A																								
P	1100122			03M37X,40X,33X																						A																								
	1100130		R/A10	=.AX/1																						A																								
P	1100130			03M02X																						A																								
	1100134		C/A10	=.CL-32P01																						B																								
P	1100134			03M01X																						A																								
	1100140		NA10-1	=.I.A10																						A																								
P	1100140			26M5,18X																						A																								
	1100300		B10	=FF																						A																								
P	1100300			20M30																						A																								
	1100304		NB10	=NFF																						A																								
P	1100304			20M29																						A																								
	1100310		S/B10	=+.B11.BXBL1-1																				+ .B9 .BXBR1-1		A																								
P	1100310			20M41X,19M11X,44X,\$,11X,17X,\$																						A																								
	1100312			+.B8 .BXBR2-1																				+ .S10.BXS/1		A																								
P	1100312			19M11X,05X,\$,										11X,23,\$												A																								
	1100314			+. (S/B10).10POP																				+ .B10.BXB-1		B																								
P	1100314			20M41X,42,36X,										19M11X,45X,37X												A																								
	1100316			+.FP10.BXFP-1																				+ .GND2320		A																								
P	1100316			19M11X,34,10X,										20M41X,37X												A																								
	1100330		R/B10	=.BX/1																						A																								
P	1100330			20M40																						A																								
	1100334		C/B10	=.CL-32P10																						A																								
P	1100334			20M01X																						A																								
	1100350		(S/B10)	=B.PEM-1.NSW1.B*+. (10PH1.SW9)-F.NSW4																						A																								
P	1100350			06L07,05,03,\$.06L\$. \$. \$.12,13,07-32KH0C-01A40C-06B13T																						A																								
	1100352																							+ . (10PH3.SW9).SW4.		A																								
P	1100352																							06L\$,09,10,11		A																								

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1100370			N(S/B10) = I.(S/B10)												A
P	1100370			11B15,13,15-11C30C-11D30C-30E21T												A
P	1100500			C10 = FB*+.C10.HOLDC-1												A
P	1100500			26M15X,\$,\$,15X,40X,												A
P	1100502			+ .MB10.CXMB-1												A
P	1100502			26M\$,36,34X,												A
P	1101300			D10 = FF												A
P	1101300			26M23X,23X-24M23C-24N23C-01P15T												A
P	1101304			ND10 = NFF												A
P	1101304			26M\$												A
P	1101310			S/D10 = *.C10.DXC-1												A
P	1101310			26M\$,15X,08X,												A
P	1101312			+ .S10.DXS-1												C
P	1101312			26M\$,19X,03X,												A
P	1101330			R/D10 = .DX/1												A
P	1101330			26M07X												A
P	1101334			C/D10 = .CL-32P12												A
P	1101334			26M09X												A
P	1101500			D1010 = -BCR*/D1010/												A
P	1101500			09M36,\$												A
P	1101510			D1010/1 = FF												A
P	1101510			08M30												A
P	1101511			ND1010/1 = NFF												A
P	1101511			08M29												A
P	1101512			S/D1010/1 = *.D1010.D10XD10-1												A
P	1101512			08M41X,41X,42,36X,												A
P	1101513			+ .S10.D10XS-1.												A
P	1101513			06M09,10,07X,08												A
P	1101517			R/D1010/1 = .D10X-1												A
P	1101517			08M40												A
P	1101518			C/D1010/1 = .CL-32P08												A
P	1101518			08M01X												A
P	1101520			/D1010/ = -BCD*D1010/1												A
P	1101520			09M\$,35												A
P	1102100			FP10 = I.S10.FPXS-0												A
P	1102100			16M41,38,33X,41-32L11C-31L11T												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1102500		G10	=B++.A10.D10.GXAD-1										+.NA10-1.D10.GXNAD-1											A																									
P	1102500			26M06X,\$,\$,18X,23X,21X,										,\$,\$,23X,22X											A																									
P	1102502			+.A10.ND10.GXAND-1																					A																									
P	1102502			26M\$,18X,\$,25X																					A																									
P	1102580		IN10	=FF																					A																									
P	1102580			30R30X																					A																									
P	1102582		S/IN10	=.DAT24.AEENLE																					A																									
P	1102582			30R08X,37X																					A																									
P	1102584		R/IN10	=+.DAT24.ADBDB										+.REN-2											A																									
P	1102584			30R\$, \$.08X,35X,										\$,41X											A																									
P	1102587		C/IN10	=.GCLK-1																					A																									
P	1102587			30R07X																					A																									
P	1102600		W/101B1/10	=.RW10																					A																									
P	1102600			23K19																					A																									
P	1102602		W/102B1/10	=.RW10																					A																									
P	1102602			22K19																					A																									
P	1102604		W/103B1/10	=.RW10																					A																									
P	1102604			21K19																					A																									
P	1102606		W/104B1/10	=.RW10																					A																									
P	1102606			20K19																					A																									
P	1102660		IP10	=FF																					A																									
P	1102660			30R02X																					A																									
P	1102661		NIP10	=NFF																					A																									
P	1102661			30R\$																					A																									
P	1102662		S/IP10	=+.IS10.NISNIP9.ARMCTR										+.DAT24.AEADB											A																									
P	1102662			30R\$, \$.10X,05X,27X,										\$.08X,29X											A																									
P	1102664		R/IP10	=+.R10.IEC										+.DAT24.DARM-2											A																									
P	1102664			30R\$, \$.11X,22X,										\$.08X,09X											A																									
P	1102666		E/IP10	=.RESET-1																					A																									
P	1102666			30R45X																					A																									
P	1102667		C/IP10	=.GCLK-1																					A																									
P	1102667			30R07X																					A																									
P	1102680		IS10	=FF																					A																									
P	1102680			30R10X																					A																									

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																																				
			10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1102682		S/IS10	=+.IP10.SR10 30R\$.\$.02X,04,										+.DAT24.IP10.TRIG \$.08X,02X,03X											A																																			
P	1102684		R/IS10	=+.NIP10.NISNIP9.1BC 30R\$.\$.\$.05X,06X,										+.DAT24.DARM-2 \$.08X,09X											A																																			
P	1102686		E/IS10	=.RESET-1 30R45X																					A																																			
P	1102687		C/IS10	=.GCLK-1 30R07X																					A																																			
P	1102750		K10	=B*+.G11 30K25\$.\$.47X																					A																																			
P	1102751			+.K11.PR11 30K\$.42X,41X																					A																																			
P	1103050		KS10	=-NS 17M03																					A																																			
P	1104100		MB10	=-BCR*/MB10/ 12M36,\$																					A																																			
P	1104150		/MB10/	=-BCD*B.S10.MBXS/1 12M\$.35,13M47,31,50X																					A																																			
P	1105500		PR10	=B*+.A10.D10.PRXAD/1A 26M02X\$.\$.18X,23X,29X,										+.NA10-1.D10.PRXNAD/1A \$.\$.23X,27X											A																																			
P	1105502			+.A10.ND10.PRXAND/1A 26M\$.18X\$.20X,										+.NA10-1.ND10.PRXNAND/1A \$.\$.\$.26X											A																																			
P	1106220		W/RP081/10	=.RW10 19K19																					A																																			
P	1106222		W/RP181/10	=.RW10 18K19																					A																																			
P	1106224		W/RP281/10	=.RW10 17K19																					A																																			
P	1106226		W/RP381/10	=.RW10 16K19																					A																																			

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	1106300		RR10	=-BCR*/RRW10/ 15K27,\$.27-01L46T																					A																									
P	1106300																								A																									
	1106302			-HSM																					A																									
P	1106302			16K09																					A																									
	1106304			-HSM																					A																									
P	1106304			17K09																					A																									
	1106306			-HSM																					A																									
P	1106306			18K09																					A																									
	1106308			-HSM																					A																									
P	1106308			19K09																					A																									
	1106310			-HSM																					A																									
P	1106310			20K09																					A																									
	1106312			-HSM																					A																									
P	1106312			21K09																					A																									
	1106314			-HSM																					A																									
P	1106314			22K09																					A																									
	1106316			-HSM																					A																									
P	1106316			23K09																					A																									
	1106330			/RRW10/ =-BCD*B.S10.RRWXS/1																					A																									
P	1106330			15K\$,25,14L19,03,20X																					A																									
	1106340			RW10 =B.S10.RWXS/1																					A																									
P	1106340			13L41,38,33X,41-16L41T																					B																									
	1106500		S10	=I.K10.PR10.SXADD-1A																					A																									
P	1106500			26M19X,46X,02X,50X,19X-01M50C-01R50C-30S47T																					A																									
	1106502			B**K10.SXADD-1A																					A																									
P	1106502			26M19X,\$,\$,46X,50X,																					A																									
	1106504			+.B10.SXB-1																					A																									
P	1106504			26M\$,33,45X,																					A																									
	1106506			+..GND2326																					A																									
P	1106506			26M\$,42,43X																					A																									
	1106560		S10/L	=-LD*+.S10.KBI-1																					A																									
P	1106560			17M\$,,\$,28,29X,																					A																									
	1110100		A11	=FF																					A																									
P	1110100			03M27																					A																									
	1110104		NA11	=NFF																					A																									
P	1110104			03M22																					A																									

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L						
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	1110110		S/A11	=++.KS11.AXK-1				+ .A19.AXALB-1							A
	1110110			03M35X,02M38X,25,\$.				38X,28,10X							A
P	1110112			+ .S11.AXS-1				+ .S12.AXSL1-1							A
	1110112			02M38X,44X,37X,				38X,35X,\$							A
	1110114			+ .S10.AXSR1-1				+ .S9 .AXSR2-1							A
P	1110114			02M38X,45X,\$.				38X,17X,\$							A
	1110116			+ .RR11.AXRR/1				+ .D1011/1.AXDIO-1							A
P	1110116			03M35X,36,39X,				35X,45,38X							A
	1110118			+ .AM.AXPSW1				+ .GND2303.AXLOAD-0							A
P	1110118			03M35X,43,41X,				35X,14,18X,							A
	1110120			+ .A3.10AXST				+ .A3.AXARB							A
P	1110120			03M35X,10,09X,				35X,05,08X							A
	1110122			+ .RR10.GND2303											A
P	1110122			03M35X,24X,33X											A
	1110130		R/A11	= .AX/1											A
P	1110130			03M02X											A
	1110134		C/A11	= .CL-32P01											B
P	1110134			03M01X											A
	1110140		NA11-1	= I.A11											A
P	1110140			26MS,24X											A
	1110300		B11	= FF											A
P	1110300			20M33											A
	1110304		NB11	= NFF											A
P	1110304			20M34											A
	1110310		S/B11	=++.B12.BXBL1-1				+ .B10.BXBR1-1							A
P	1110310			20M39X,19M38X,35X,\$.				38X,45X,\$							A
	1110312			+ .B9 .BXBR2-1				+ .S11.BXS/1							A
P	1110312			19M38X,17X,\$.				38X,25,\$							A
	1110314			+ .(S/B11).10POP				+ .B11.BXB-1							B
P	1110314			20M39X,35,36X,				19M38X,44X,37X							A
	1110316			+ .FP11.BXFP-1				+ .GND2320							A
P	1110316			19M38X,28,10X.				20M39X,37X							A
	1110330		R/B11	= .BX/1											A
P	1110330			20M38											A
	1110334		C/B11	= .CL-32P10											A
P	1110334			20M01X											A
	1110350		(S/B11)	= B.ADNH .10IN											A
P	1110350			27K13,04,08,13-16L09T											A
	1110360		N(S/B11)	= I.(S/B11).											A
P	1110360			12L02,09,03,02-16L22T											A

CODE	LINE NO.	CHG	LOGIC EQUATIONS				PINS				REMARKS	C/L	
			1	2	3	4	5	6	7	8			
P	1110500		C11	=FB*+ .C11.HOLDC-1					+ .S11.CXS/1				A
	1110500			26M05X, \$. \$.05X, 40X,					\$.17X, 31X, 05X-30M07T				A
P	1110502			+ .MB11.CXMB-1					+ .RR11.CXRR-1				A
	1110502			26M\$.30, 34X,					\$.35, 37X				A
P	1111300		D11	=FF									A
	1111300			26M28X, 28X-24M29C-24N29C-01P17T									A
P	1111304		ND11	=NFF									A
	1111304			26M\$									A
P	1111310		S/D11	=*+.C11.DXC-1					+ .C12.DXCL1-1				A
	1111310			26M\$. \$.05X, 08X,					\$.10X, 14X				A
P	1111312			+ .S11.DXS-1					+ .D3 .DXDRB/1				C
	1111312			26M\$.17X, 03X,					\$.12, 11X				A
P	1111330		R/D11	= .DX/1									A
	1111330			26M07X									A
P	1111334		C/D11	= .CL-32P12									A
	1111334			26M09X									A
P	1111500		D1011	=-BCR*/D1011/									A
	1111500			09M38,\$									A
P	1111510		D1011/1	=FF									A
	1111510			08M33									A
P	1111511		ND1011/1	=NFF									A
	1111511			08M34									A
P	1111512		S/D1011/1	=*+.D1011.D10XD10-1					+ .GND2308				A
	1111512			08M39X, 39X, 35, 36X,					39X, 37X				A
P	1111513			+ .S11.D10XS-1.									A
	1111513			06M17, 18, 15X, 06X									A
P	1111517		R/D1011/1	= .D10X-1									A
	1111517			08M38									A
P	1111518		C/D1011/1	= .CL-32P08									A
	1111518			08M01X									A
P	1111520		/D1011/	=-BCD*D1011/1									A
	1111520			09M\$.37									A
P	1112100		FP11	=I.S11.FPXS-0									A
	1112100			16M36, 37, 33X, 36-32L12C-31L12T									A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L
	1 2 3 4 5 6 7 8	9	10 11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60
P	1112500		G11	=B*+.A11.D11.GXAD-1		+ .NA11-1.D11.GXNAD-1	A
P	1112500			26M04, \$, \$, 24X, 28X, 21X,		\$, \$, 28X, 22X	A
P	1112502			+ .A11.ND11.GXAND-1			A
P	1112502			26M\$, 24X, \$, 25X			A
P	1112580		IN11	=FF			A
P	1112580			30R31X			A
P	1112581		NIN11	=NFF			A
P	1112581			30R46X			A
P	1112582		S/IN11	= .DAT25.AEENLE			A
P	1112582			30R25X, 37X			A
P	1112584		R/IN11	=*+.DAT25.ADBDB		+ .REN-2	A
P	1112584			30R\$, \$, 25X, 35X,		\$, 41X	A
P	1112587		C/IN11	= .GCLK-1			A
P	1112587			30R07X			A
P	1112600		W/I01B1/11	= .RW11			A
P	1112600			23K12			A
P	1112602		W/I02B1/11	= .RW11			A
P	1112602			22K12			A
P	1112604		W/I03B1/11	= .RW11			A
P	1112604			21K12			A
P	1112606		W/I04B1/11	= .RW11			A
P	1112606			20K12			A
P	1112660		IP11	=FF			A
P	1112660			30R21X			A
P	1112661		NIP11	=NFF			A
P	1112661			30R\$			A
P	1112662		S/IP11	=*+.IS11.NISNIP10.NISNIP9.ARMCTR			A
P	1112662			30R\$, \$, 13X, 23X, 05X, 27X			A
P	1112663			+ .DAT25.AEADB			A
P	1112663			30R\$, 25X, 29X			A
P	1112664		R/IP11	=*+.REIP11.IEC		+ .DAT25.DARM-2	A
P	1112664			30R\$, \$, \$, 22X,		\$, 25X, 09X	A
P	1112666		E/IP11	= .RESET-1			A
P	1112666			30R45X			A
P	1112667		C/IP11	= .GCLK-1			A
P	1112667			30R07X			A

CCODE	LINE NO.	CHG	LOGIC		EQUATIONS		PINS		REMARKS		C/L
			10	20	30	40	50	60	70		
P	1112680		IS11	=FF							A
	1112680			30R13X							A
P	1112681		NIS11	=NFF							A
	1112681			30R18X							A
P	1112682		S/IS11	=*.IP11.SR11							A
	1112682			30R\$.21X.14.							A
P	1112684		R/IS11	=*.NISNIP10:NISNIP9.NIP11.IBC							A
	1112684			30R\$.23X.05X\$.06X							A
P	1112685			+ .DAT25.DARM-2							A
	1112685			30R\$.25X.09X							A
P	1112686		E/IS11	= .RESET-1							A
	1112686			30R45X							A
P	1112687		C/IS11	= .GCLK-1							D
	1112687			30R07X.20C-12C							J
P	1112750		K11	=B*.G1215							A
	1112750			15N25. \$. \$.47X.25-24M25C-24N25C-28K41T							A
P	1112751			+ .K15.PR1215							A
	1112751			15N\$.42X.41X							A
P	1113050		KS11	= -NS							A
	1113050			17M04							A
P	1114100		MB11	= -BCR*/MB11/							A
	1114100			12M38. \$							A
P	1114150		/MB11/	= -BCD*B.S11.MBXS/1							A
	1114150			12M\$.37.13M46.30.50X							A
P	1115500		PR11	=B*.A11.D11.PRND/1A							A
	1115500			26M01X. \$. \$.24X.28X.29X.							A
P	1115502			+ .A11.ND11.PRND/1A							A
	1115502			26M\$.24X. \$.20X.							A
P	1116220		W/RP081/11	= .RW11							A
	1116220			19K12							A
P	1116222		W/RP181/11	= .RW11							A
	1116222			18K12							A
P	1116224		W/RP281/11	= .RW11							A
	1116224			17K12							A
P	1116226		W/RP381/11	= .RW11							A
	1116226			16K12							A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L	
			10	20	30	40	50	60	70	80	90	100	10	20	30	40	50	60	70	80	90	100			
P	1120110		S/A12	=+.KS12.AXK-1 04M12X,02M39X,33.\$.										+.A20.AXALB-1 39X,26,10X											A
P	1120112			+.S12.AXS-1 02M39X,35X,37X.										+.S13.AXSL1-1 39X,14X,\$											A
P	1120114			+.S11.AXSR1-1 02M39X,44X,\$.										+.S10.AXSR2-1 39X,45X,\$											A
P	1120116			+.RR12.AXRR/1 04M12X,26X,39X.										+.D1012/1.AXD10-1 12X,34,38X											A
P	1120118			+.A4.10AXST 04M12X,17,09X.										+.GND2304.(FUMSP.PH1/F)											A
P	1120120			+.A4.AXARS 04M12X,04,08X.										+.GND2304											A
P	1120122			+.GND2304 04M12X,20,18X										12X,30,33X											A
P	1120130		R/A12	=.AX/1 04M02X																					A
P	1120134		C/A12	=.CL-32P01 04M01X																					B
P	1120138		A12-1	=B.A12 24K15,13,15-32M38C-03E38C-22M45T																					C
P	1120140		NA12-1	=I.A12 27M5,18X																					A
P	1120300		B12	=FF 21M27																					A
P	1120304		NB12	=NFF 21M28																					A
P	1120310		S/B12	=+.B13.BXBL1-1 21M50X,19M39X,14X,\$.										+.B11.BXBR1-1 39X,44X,\$											A
P	1120312			+.B10.BXBR2-1 19M39X,45X,\$.										+.S12.BXS/1 39X,33,\$											A
P	1120314			+. (S/B12).10POP 21M50X,47,36X, 19M39X,35X,37X										+.B12.BXB-1											B
P	1120316			+.FP12.BXFP-1 19M39X,26,10X.										+.GND2321 21M50X,37X											A
P	1120330		R/B12	=.BX/1 21M45																					A
P	1120334		C/B12	=.CL-32P10 21M01X																					A
P	1120350		(S/B12)	=B.PEM-1.B*+. (10PH1.SWB).SW4+.ORDEROUT. (10PH1.SWB). 14K14,08,\$.14K\$. \$,\$.12,13,\$.09,10,11,14-28K39T																					A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1120500		C12	=FB*+.C12.HOLDC-1				+.S12.CXS/1								A
	1120500			27M15X,\$.15X,40X,				\$.19X,31X,15X-28K36T								A
P	1120502			+.MB12.CXMB-1				+.RR12.CXRR-1								A
P	1120502			27M\$,36,34X,				\$.39,37X								A
P	1121300		D12	=FF												A
P	1121300			27M23X,23X-29M21C-29N21C-01P08T												A
P	1121304		ND12	=NFF												A
P	1121304			27M\$												A
P	1121310		S/D12	=*+.C12.DXC-1				+.C13.DXCL1-1								A
P	1121310			27M\$,\$.15X,08X,				\$.05X,14X								A
P	1121312			+.S12.DXS-1				+.D4.DXDR8/1								C
P	1121312			27M\$,19X,03X,				\$.13,11X								A
P	1121330		R/D12	=.DX/1												A
P	1121330			27M07X												A
P	1121334		C/D12	=.CL-32P12												A
P	1121334			27M09X												A
P	1121340		ND12-1	=I.D12.												A
P	1121340			28N28,21,29X,28-24M04C-24N04C-30M04T												A
P	1121500		D1012	=-BCR*/D1012/												A
P	1121500			09M40,\$												A
P	1121510		D1012/1	=FF												A
P	1121510			08M02												A
P	1121511		ND1012/1	=NFF												A
P	1121511			08M21												A
P	1121512		S/D1012/1	=*+.D1012.D10XD10-1				+.GND2308								A
P	1121512			08M18X,18X,25,10X,				18X,17X								A
P	1121513			+.S12.D10XS-1..												A
P	1121513			06M14,21,15X,19X,01												A
P	1121517		R/D1012/1	=.D10X-1												A
P	1121517			08M23												A
P	1121518		C/D1012/1	=.CL-32P08												A
P	1121518			08M01X												A
P	1121520		/D1012/	=-BCD*D1012/1												A
P	1121520			09M\$,39												A
P	1122100		FP12	=I.S12.FPXS-0												A
P	1122100			16M47,31,50X,47-32L13C-31L13T												A

SIGMA 5 CPU

CODE	LINE NO.	Chg	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1122682		S/IS12	=++.IP12.IR				+.DAT26.IP12.TRIG								A
	1122682			31R\$. \$.02X.04.				\$.08X.02X.03X								A
P	1122684		R/IS12	=++.NIP12.IB1.				+.DAT26.DARM-3								A
	1122684			31R\$. \$. \$.06X.05X.				\$.08X.09X								A
P	1122686		E/IS12	= .RESET-2												A
	1122686			31R45X												A
P	1122687		C/IS12	= .GCLK-1												A
	1122687			31R07X												A
P	1122750		K12	=B*+.G13												A
	1122750			30K19\$. \$. \$.04X												A
P	1122751			+ .G14.PR13				+.G15.PR13.PR14								A
	1122751			30K\$.01X.10X.				\$.06X.10X.09X								A
P	1122752			+ .K15.PR13.PR14.PR15												A
	1122752			30K\$.08X.10X.09X.07X												A
P	1123050		KS12	= -NS												A
	1123050			17M07												A
P	1124100		MB12	= -BCR*/MB12/												A
	1124100			12M40\$. \$												A
P	1124150		/MB12/	= -BCD*B.S12.MBXS/1												A
	1124150			12M\$.39.13M44.42.50X												A
P	1125500		PR12	=B*+.A12.D12.PRXAD/1B				+.NA12-1.D12.PRXNAD/1B								A
	1125500			27M02X\$. \$. \$.18X.23X.29X.				\$. \$.23X.27X								A
P	1125502			+ .A12.ND12.PRXAND/1B				+.NA12-1.ND12.PRXNAND/1B								A
	1125502			27M\$.18X\$. \$.20X.				\$. \$. \$.26X								A
P	1126220		W/RP0B1/12	= .RW12												A
	1126220			19K33												A
P	1126222		W/RP1B1/12	= .RW12												A
	1126222			18K33												A
P	1126224		W/RP2B1/12	= .RW12												A
	1126224			17K33												A
P	1126226		W/RP3B1/12	= .RW12												A
	1126226			16K33												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																																																				
			1	2	3	4	5	6	7	8	9	0	10	11	12	13	14	15	16	17	18	19			0	20	21	22	23	24	25	26	27	28	29	0	30	31	32	33	34	35	36	37	38	39	0	40	41	42	43	44	45	46	47	48	49	0	50	51	52	53	54	55	56	57	58	59	0	60	61	62	63	64	65	66
	1126300		RR12	=-BCR*/RRW12/																					A																																																			
P	1126300			15K36,\$.36-01L44T																					A																																																			
	1126302			-HSM																					A																																																			
P	1126302			16K45																					A																																																			
	1126304			-HSM																					A																																																			
P	1126304			17K45																					A																																																			
	1126306			-HSM																					A																																																			
P	1126306			18K45																					A																																																			
	1126308			-HSM																					A																																																			
P	1126308			19K45																					A																																																			
	1126310			-HSM																					A																																																			
P	1126310			20K45																					A																																																			
	1126312			-HSM																					A																																																			
P	1126312			21K45																					A																																																			
	1126314			-HSM																					A																																																			
P	1126314			22K45																					A																																																			
	1126316			-HSM																					A																																																			
P	1126316			23K45																					A																																																			
	1126330			/RRW12/ =-BCD*B.S12.RRWXS/1																					A																																																			
P	1126330			15K\$,35,14L34,40,33X																					A																																																			
	1126340		RW12	=B.S12.RWXS/1																					A																																																			
P	1126340			13L47,31,50X,47-11M02T																					B																																																			
	1126500		S12	=I.K12.PR12.SXADD-1B																					A																																																			
P	1126500			27M19X,46X,02X,50X,19X-01L28T																					A																																																			
	1126502			B*+.K12.SXADD-1B										+.PR12											A																																																			
P	1126502			27M19X,\$.\$.46X,50X,										\$.02X											A																																																			
	1126504			+.B12.SXB-1										+.C12.SXC-1											A																																																			
P	1126504			27M\$,33,45X,										\$.15X,41X											A																																																			
	1126506			+.GND2327																					A																																																			
P	1126506			27M\$,42,43X																					A																																																			
	1126560		S12/L	=-LD*+.S12.KDI-1										+.FP12.NKDI-1											A																																																			
P	1126560			17M\$,\$.\$.18,29X,										\$.19,13X											A																																																			
	1130100		A13	=FF																					A																																																			
P	1130100			04M19																					A																																																			
	1130104		NA13	=NFF																					A																																																			
P	1130104			04M21																					A																																																			

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1130110		S/A13	=++.KS13.AXK-1 04M28X,02M41X,09,\$.										+.A21.AXAL8-1 41X,24,10X											A																									
P	1130112			+.S13.AXS-1 02M41X,14X,37X,										+.S14.AXSL1-1 41X,04X,\$											A																									
P	1130114			+.S12.AXSR1-1 02M41X,35X,\$.										+.S11.AXSR2-1 41X,44,\$											A																									
P	1130116			+.RR13.AXRR/1 04M28X,40X,39X,										+.DIO13/1.AXDIO-1 28X,42,38X											A																									
P	1130118			+.GND2304.10AXST 04M28X,15,09X,										+.GND2304.(FUMSP.PH1/F) 28X,44,41X											A																									
P	1130120			+.A5.AXARB 04M28X,06,08X,										+.GND2304 28X,13,18X											A																									
P	1130122			+.RR12.GND2304 04M28X,26X,33X																					A																									
P	1130130		R/A13	=.AX/1 04M02X																					A																									
P	1130134		C/A13	=.CL-32P01 04M01X																					B																									
P	1130140		NA13-1	=I.A13 27MS,24X																					A																									
P	1130300		B13	=FF 21M31																					A																									
P	1130304		NB13	=NFF 21M26																					A																									
P	1130310		S/B13	=++.B14.BXBL1-1 21M46X,19M41X,04X,\$.41X,35X,\$										+.B12.BXBR1-1 +.S13.BXS/1											A																									
P	1130312			+.B11.BXBR2-1 19M41X,44X,\$.										41X,09,\$											A																									
P	1130314			+. (S/B13).IOPOP										+.B13.BXB-1											B																									
P	1130316			21M46X,43,36X, 19M41X,14X,37X +.FP13.BXFP-1										+.GND2321 19M41X,24,10X. 21M46X,37X											A																									
P	1130330		R/B13	=.BX/1 21M44																					A																									
P	1130334		C/B13	=.CL-32P10 21M01X																					A																									
P	1130350		(S/B13)	=I.N(S/B13) 19M40,50,40-30M43T																					A																									
P	1130360		N(S/B13)	=I.(IOPH1.SW8).SW5.ORDEROUT. 12L15,30, 18, 31, 17,15-11M50T																					A																									

CODE	LINE NO.	CHG	LOGIC EQUATIONS /												PINS	REMARKS	C/L										
			1	2	3	4	5	6	7	8	9	10	11	12													
P	1130500		C13	=FB**	C13	HOLDC-1										+ .S13	.CXS/1								A		
				27M05X	\$.05X	40X										\$.17X	.31X	.05X-28K	47T							A	
P	1130502				+ .MB13	.CXMB-1											+ .RR13	.CXRR-1								A	
P	1130502				27M	\$.30	.34X										\$.35	.37X								A	
P	1131300		D13	=FF																						A	
P	1131300				27M28X	.28X-14M31C-14N31C-01P18T																				A	
P	1131304		ND13	=NFF																						A	
P	1131304				27M	\$																				A	
P	1131310		S/D13	=**	.C13	.DXC-1											+ .C14	.DXCL1-1								A	
					27M	\$.05X	.08X										\$.10X	.14X								A	
P	1131312				+ .S13	.DXS-1												+ .D5	.DXDR8/1							C	
P	1131312				27M	\$.17X	.03X											\$.12	.11X							A	
P	1131330		R/D13	=	.DX/1																					A	
P	1131330				27M07X																					A	
P	1131334		C/D13	=	.CL-32P12																					A	
P	1131334				27M09X																					A	
P	1131340		ND13-1	=I	.D13																					A	
P	1131340				15L35	.39	.33X	.35-28K35T																			A
P	1131500		DI013	=	BCR*/DI013/																					A	
P	1131500				09M42	\$.																				A	
P	1131510		DI013/1	=FF																						A	
P	1131510				08M04																					A	
P	1131511		NDI013/1	=NFF																						A	
P	1131511				08M05																					A	
P	1131512		S/DI013/1	=**	.DI013	.DIOXDIO-1											+ .GND2308									A	
					08M03X	.03X	.24	.10X									.03X	.17X								A	
P	1131513				+ .S13	.DIOXS-1																				A	
P	1131513				06M12	.11	.15X	.13																		A	
P	1131517		R/DI013/1	=	.DIOX-1																					A	
P	1131517				08M22																					A	
P	1131518		C/DI013/1	=	.CL-32P08																					A	
P	1131518				08M01X																					A	
P	1131520		/DI013/	=	BCD*DI013/1																					A	
P	1131520				09M	\$.45																				A	
P	1132100		FP13	=I	.S13	.FPXS-0																				A	
P	1132100				16M46	.30	.50X	.46-32L1HC-31L14T																		A	
			1	2	3	4	5	6	7	8	9	10	11	12													
			10	11	12	13	14	15	16	17	18	19	20	21	22												
			20	21	22	23	24	25	26	27	28	29	30	31	32												
			30	31	32	33	34	35	36	37	38	39	40	41	42												
			40	41	42	43	44	45	46	47	48	49	50	51	52												
			50	51	52	53	54	55	56	57	58	59	60	61	62												
			60	61	62	63	64	65	66	67	68	69	70	71	72												
			70	71	72	73	74	75	76	77	78	79	80	81	82												

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	1132500		G13	=B**A13.D13.GXAD-1				+NA13-1.D13.GXNAD-1		A
P	1132500			27M04,\$,\$,24X,28X,21X,				\$.28X,22X		A
P	1132502			+A13.ND13.GXAND-1						A
P	1132502			27M\$.24X,\$.25X						A
P	1132580		IN13	=FF						A
P	1132580			31R31X						A
P	1132581		NIN13	=NFF						A
P	1132581			31R46X						A
P	1132582		S/IN13	=DAT27.AEENLE						A
P	1132582			31R25X,37X						A
P	1132584		R/IN13	=**DAT27.ADBDB				+REN-2		A
P	1132584			31R\$.25X,35X.				\$.41X		A
P	1132587		C/IN13	=GCLK-1						A
P	1132587			31R07X						A
P	1132600		W/I01B1/13	=RW13						A
P	1132600			23K28						A
P	1132602		W/I02B1/13	=RW13						A
P	1132602			22K28						A
P	1132604		W/I03B1/13	=RW13						A
P	1132604			21K28						A
P	1132606		W/I04B1/13	=RW13						A
P	1132606			20K28						A
P	1132660		IP13	=FF						A
P	1132660			31R21X						A
P	1132661		NIP13	=NFF						A
P	1132661			31R\$.						A
P	1132662		S/IP13	=**IS13.NISNIP12.ARMIO.				+DAT27.AEADB		A
P	1132662			31R\$.13X,23X,27X,05X.				\$.25X,29X		A
P	1132664		R/IP13	=**REIP13.IE1				+DAT27.DARM-3		A
P	1132664			31R\$.,\$.22X.				\$.25X,09X		A
P	1132666		E/IP13	=RESE-2						A
P	1132666			31R45X						A
P	1132667		C/IP13	=GCLK-1						A
P	1132667			31R07X						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS	REMARKS	C/L	
			1	2	3	4	5	6	7	8	9	10				
P	1136300		RR13	=-BCR*/RRW13/												A
P	1136300			15K38,\$.38-01L43T												A
P	1136302			-HSM												A
P	1136302			16K46												A
P	1136304			-HSM												A
P	1136304			17K46												A
P	1136306			-HSM												A
P	1136306			18K46												A
P	1136308			-HSM												A
P	1136308			19K46												A
P	1136310			-HSM												A
P	1136310			20K46												A
P	1136312			-HSM												A
P	1136312			21K46												A
P	1136314			-HSM												A
P	1136314			22K46												A
P	1136316			-HSM												A
P	1136316			23K46												A
P	1136330		/RRW13/	=-BCD*B.S13.RRWXS/1												A
P	1136330			15K\$,37,14L35,39,33X												A
P	1136340		RW13	=B.S13.RWXS/1												A
P	1136340			13L46,30,50X,46-11M15T												B
P	1136500		S13	=I.K13.PR13.SXADD-1B												A
P	1136500			27M17X,38X,01X,50X,17X-01L27T												A
P	1136502			B*+.K13.SXADD-1B											+ .PR13	A
P	1136502			27M17X,\$.\$.38X,50X.											\$.01X	A
P	1136504			+.B13.SXB-1											+ .C13.SXC-1	A
P	1136504			27M\$,47,45X,											\$.05X,41X	A
P	1136506			+.GND2327												A
P	1136506			27M\$,44,43X												A
P	1136560		S13/L	=-LD*+.S13.KD1-1											+ .FP13.NKD1-1	A
P	1136560			17M\$,\$.\$.14,29X,											\$.15,13X	A
P	1140100		A14	=FF												A
P	1140100			04M31												A
P	1140104		NA14	=NFF												A
P	1140104			04M29												A

CODE	LINE NO.	CHK	LOGIC EQUATIONS	PINS	REMARKS	C/L
1	2345678	9	10 123456789 20 23456789 30 23456789 40 23456789 50 23456789 60 23456789 70			
P	1140355		(S/B14/1)=I.N((S/B8).ND6.D4).N((S/B9).D4).N(S/B11).N(S/B13)			A
P	1140355		12L34,24,23,22,28,34-28K27T			A
P	1140500		C14 =FB*+.C14.HOLDC-1		+ .S14.CXS/1	A
P	1140500		28M15X, \$. \$, 15X, 40X,		\$. 19X, 31X, 15X-28K25T	A
P	1140502		+ .MB14.CXMB-1		+ .RR14.CXRR-1	A
P	1140502		28M\$. 36, 34X,		\$. 39, 37X	A
P	1141300		D14 =FF			A
P	1141300		28M23X, 23X-05M01C-05N01C-28P42T			A
P	1141304		ND14 =NFF			A
P	1141304		28M\$			A
P	1141310		S/D14 =**+.C14.DXC-1		+ .C15.DXCL1-1	A
P	1141310		28M\$. \$. 15X, 08X,		\$. 05X, 14X	A
P	1141312		+ .S14.DXS-1		+ .D6 .DXDR8/1	C
P	1141312		28M\$. 19X, 03X,		\$. 13, 11X	A
P	1141330		R/D14 =.DX/1			A
P	1141330		28M07X			A
P	1141334		C/D14 =.CL-32P12			A
P	1141334		28M09X			A
P	1141500		D1014 =-BCR*/D1014/			A
P	1141500		22Q04, \$. 04-10M13C-10N13C			A
P	1141510		D1014/1 =FF			A
P	1141510		08M14, 14-05M47C-05N47C			A
P	1141511		ND1014/1 =NFF			A
P	1141511		08M12			A
P	1141512		S/D1014/1=**+.D1014.D10XD10-1		+ .GND2308	A
P	1141512		08M11X, 11X, 13, 10X,		11X, 20	A
P	1141513		+ .S14.D10XS-0...			A
P	1141513		06M27, 28, 29X, 26, 25, 24			A
P	1141517		R/D1014/1=.D10X-1			A
P	1141517		08M15			A
P	1141518		C/D1014/1=.CL-32P08			A
P	1141518		08M01X			A
P	1141519		D1014/1-1=B.D1014/1			A
P	1141519		24P15, 13			A
P	1141520		/D1014/ =-BCD*D1014/1-1			A
P	1141520		22Q\$. 01			A

SIGMA 5 CPU

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			/	PINS			/	REMARKS	C/L
			10	20	30	40	50	60		70					
P	1142680		IS14	=FF											A
P	1142680			32R10X											A
P	1142682		S/IS14	=**+.IP14.					+.DAT28.IP14.TRIG						A
P	1142682			32RS\$.02X.04.					\$.08X.02X.03X						A
P	1142684		R/IS14	=**+.NIP14.NISNIP13.IB1					+.DAT28.DARM-3						A
P	1142684			32RS\$.\$.05X.06X.					\$.08X.09X						A
P	1142686		E/IS14	=.RESET-2											A
P	1142686			32R45X											A
P	1142687		C/IS14	=.GCLK-1											A
P	1142687			32R07X											A
P	1142750		K14	=B**+.G15											A
P	1142750			30K20\$.\$.06X											A
P	1142751			+.K15.PR15											A
P	1142751			30K\$.08X.07X											A
P	1142753			I.(FUMSP(MCO).NF.AIM.NO5)											J
P	1142753			30L34.40.33X											J
P	1143050		KS14	=-NS											A
P	1143050			17M09											A
P	1144100		MB14	=-BCR*/MB14/											A
P	1144100			25P04\$.04-29M36C-29N36C											A
P	1144150		/MB14/	=-BCD*B.S14.MBXS/1											A
P	1144150			25PS.01.30P46.40.41											A
P	1145500		PR14	=B**+.A14.D14.PRXAD/1B					+.NA14-1.D14.PRXNAD/1B						A
P	1145500			28M02X\$.\$.18X.23X.29X.					\$.\$.23X.27X						A
P	1145502			+.A14.ND14.PRXAND/1B					+.NA14-1.ND14.PRXNAND/1B						A
P	1145502			28MS.18X\$.20X.					\$.\$.\$.26X						A
P	1146220		W/RP0B1/14	=.RW14											A
P	1146220			19K17											A
P	1146222		W/RP1B1/14	=.RW14											A
P	1146222			18K17											A
P	1146224		W/RP2B1/14	=.RW14											A
P	1146224			17K17											A
P	1146226		W/RP3B1/14	=.RW14											A
P	1146226			16K17											A

SIGMA 5 CPU

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																																																		
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	40	41	42	43	44	45	46	47	48	49	50	50	51	52	53	54	55	56	57	58	59	60	60	61	62	63	64	65	66
	1146300		RR14	=-BCR*/RRW14/																																																											
P	1146300			15K40, \$.40-01L42T										A																																																	
	1146302			-HSM										A																																																	
P	1146302			16K04										A																																																	
	1146304			-HSM										A																																																	
P	1146304			17K04										A																																																	
	1146306			-HSM										A																																																	
P	1146306			18K04										A																																																	
	1146308			-HSM										A																																																	
P	1146308			19K04										A																																																	
	1146310			-HSM										A																																																	
P	1146310			20K04										A																																																	
	1146312			-HSM										A																																																	
P	1146312			21K04										A																																																	
	1146314			-HSM										A																																																	
P	1146314			22K04										A																																																	
	1146316			-HSM										A																																																	
P	1146316			23K04										A																																																	
	1146330		/RRW14/	=-BCD*B.S14.RRWXS/1										A																																																	
P	1146330			15K\$,39,14L41,38,33X										A																																																	
	1146340		RW14	=B.S14.RWXS/1										A																																																	
P	1146340			13L44,42,50X,44-16L50T										B																																																	
	1146500		S14	=I.K14.PR14.SXADD-1B										A																																																	
P	1146500			28M19X,46X,02X,50X,19X-05M04C-05N04C-28P40T										A																																																	
	1146502			B*+.K14.SXADD-1B										A																																																	
P	1146502			28M19X, \$., \$.46X,50X, \$.02X										A																																																	
	1146504			+.B14.SXB-1										A																																																	
P	1146504			28M\$,33,45X, \$.15X,41X										A																																																	
	1146506			+.SXP-2.GND2328										A																																																	
P	1146506			28M\$,43X,42										A																																																	
	1146560		S14/L	=-LD*+.S14.KDI-1										A																																																	
P	1146560			17M\$, \$., \$.11,29X, \$.12,13X										A																																																	
	1150100		A15	=FF										A																																																	
P	1150100			04M27										A																																																	
	1150104		NA15	=NFF										A																																																	
P	1150104			04M22										A																																																	



XEROX DATA SYSTEMS

SIGMA 5 CPU

104
133263-001 AC
10/27/71

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			10	20	30	40	50	60	70	80	90	100	110	120	
	1150110	S/A15	=	+	KS15.AXK-1								+ .A23.AXALB-1		A
P	1150110				04M35X,02M06X,21,\$.								06X,27,10X		A
	1150112				+ .S15.AXS-1								+ .S16.AXSL1-1		A
P	1150112				02M06X,36X,37X,								06X,43,\$		A
	1150114				+ .S14.AXSR1-1								+ .S13.AXSR2-1		A
P	1150114				02M06X,04X,\$,								06X,14X,\$		A
	1150116				+ .RR15.AXRR/1								+ .D1015/1.AXD10-1		A
P	1150116				04M35X,36,39X,								35X,45,38X		A
	1150118				+ .GND2304.10AXST								+ .RR16.(FUMSP.PH1/F)		A
P	1150118				04M35X,10,09X,								35X,43,41X		A
	1150120				+ .A7.AXARB								+ .GND2304		A
P	1150120				04M35X,05,08X,								35X,14,18X		A
	1150122				+ .RR14.GND2304										A
P	1150122				04M35X,24X,33X										A
	1150130	R/A15	=	.	AX/1										A
P	1150130				04M02X										A
	1150134	C/A15	=	.	CL-32P01										B
P	1150134				04M01X										A
	1150140	NA15-1	=	I.	A15										A
P	1150140				28MS,24X										A
	1150300	B15	=	FF											A
P	1150300				21M04,04-18M13C-18N13C-19N17T										B
	1150304	NB15	=	NFF											A
P	1150304				21M05										B
	1150310	S/B15	=	+	B16.BXBL1-1								+ .B14.BXBR1-1		A
P	1150310				21M03X,19M06X,43,\$,06X,04X,\$										B
	1150312				+ .B13.BXBR2-1								+ .S15/1.BXS/1		A
P	1150312				19M06X,14X,\$,				06X,21,\$						A
	1150314				+ .(S/B15)								+ .B15/1.BXB-1		A
P	1150314				21M03X,24,10X,				19M06X,36X,37X						B
	1150316				+ .FP15.BXFP-1				+ .GND2321						A
P	1150316				19M06X,27,10X,21M03X,17X										B
	1150330	R/B15	=	.	BX/1										A
P	1150330				21M22										B
	1150334	C/B15	=	.	CL-32P10										A
P	1150334				21M01X										A
	1150336	(S/B15)	=	B.	INTRAP1.B15.NBRP.										B
P	1150336				11L14,21,20,29,19,										B

CODE	LINE NO.	CHK	LOGIC EQUATIONS				PINS				REMARKS	C/L
			1	2	3	4	5	6	7	8		
			10	20	30	40	50	60	70			
P	1150340		B15/1	=B**	.B15.NBXP						.P15-1.BXP	A
				29L	15X,\$,\$	36.34X,					\$.39.37X	A
P	1150342				+ .B15/1.GND2229						+ .S000.GND2229	A
				29L	\$.15X,40X,						\$.19X,31X	A
P	1150500		C15	=FB**	.C15.HOLDC-1						+ .S15.CXS/1	A
				28M	05X,\$,\$	05X,40X,					\$.17X,31X,05X-30M05T	A
P	1150502				+ .MB15.CXMB-1						+ .RR15.CXRR-1	A
				28M	\$.30,34X,						\$.35,37X	A
P	1151300		D15	=FF								A
				28M	28X,28X-24M	27C-24N	27C-01P	19T				A
P	1151304		ND15	=NFF								A
				28M	S							A
P	1151310		S/D15	=**	.C15.DXC-1						+ .C16-1.DXCL1-1	A
				28M	\$.05X,08X,						\$.10X,14X	A
P	1151312				+ .S15.DXS-1						+ .D7 .DXDR8/1	C
				28M	\$.17X,03X,						\$.12,11X	A
P	1151330		R/D15	= .DX/1								A
				28M	07X							A
P	1151334		C/D15	= .CL-32P12								A
				28M	09X							A
P	1151500		DI015	=-BCR*/DI015/								A
				22006	\$.06-10M	08C-10N	08C					A
P	1151510		DI015/1	=FF								A
				08M	06,06-05M	45C-05N	45C					A
P	1151511		NDI015/1	=NFF								A
				08M	07							A
P	1151512		S/DI015/1	=**	.DI015.DI0XD10-1						+ .(S15.DI0XS)	A
				08M	\$.08,10X,						\$.19	A
P	1151517		R/DI015/1	= .DIOX-1								A
				08M	09							A
P	1151518		C/DI015/1	= .CL-32P08								A
				08M	01X							A
P	1151519		DI015/1-1	=B.DI015/1								A
				24P	11.12							A
P	1151520		/DI015/	=-BCD*DI015/1-1								A
				220	\$.02							A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12	
P	1160500		C16	=FB*+.C16.HOLD	C-2										A
P	1160500			02P15X,\$,\$,15X,40X,											A
P	1160502			+ .MB16.CXMB-2											A
P	1160502			02P\$,36,34X.											A
P	1160504		C16-1	=B.C16											A
P	1160504			06P10,09,10-24M10C-24N10C-30M10T											A
P	1160520		NC16	=I*+.MB16.CXMB-2											A
P	1160520			10P01,\$,\$,07,08.											A
P	1161300		D16	=FF											A
P	1161300			02P23X											A
P	1161304		ND16	=NFF											A
P	1161304			02P\$											A
P	1161310		S/D16	=*+.C16.DXC-2											A
P	1161310			02P\$,\$,15X,08X,											A
P	1161312			+ .S16.DXS/2											A
P	1161312			02P\$,19X,03X.											A
P	1161330		R/D16	= .DX/2											A
P	1161330			02P07X											A
P	1161334		C/D16	= .CL-32P18											A
P	1161334			02P09X											A
P	1161336		D16-1	=B.D16.											A
P	1161336			30N27,22,29X,27-31Q21C-02F21C-30E40T											A
P	1161350		ND16-1	=I.D16-1.											A
P	1161350			04F28,21,29X,28-30E26T											A
P	1161400		DAT16	=B.S16.EWDM											A
P	1161400			21R45,39,43X,33X											A
P	1161410		/DAT16/	=-BCD*DAT16											A
P	1161410			22R\$,01											A
P	1161500		DI016	=-BCR*/DI016/											A
P	1161500			22Q08,\$											A
P	1161510		DI016/1	=FF											A
P	1161510			21Q27											A
P	1161511		NDI016/1	=NFF											A
P	1161511			21Q28											A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2	3	4	5	6	7	8	9	10
	1166226		W/RP3B2/16	=.RW16					A
P	1166226		08S35						A
	1166300		RR16	=-BCR*/RRW16/					A
P	1166300		09S20	\$.20-05M43C-05N43C-10Q01C-10R01C-01L40T					A
	1166302		-HSM						A
P	1166302		01S43						A
	1166304		-HSM						A
P	1166304		02S43						A
	1166306		-HSM						A
P	1166306		03S43						A
	1166308		-HSM						A
P	1166308		04S43						A
	1166310		-HSM						A
P	1166310		05S43						A
	1166312		-HSM						A
P	1166312		06S43						A
	1166314		-HSM						A
P	1166314		07S43						A
	1166316		-HSM						A
P	1166316		08S43						A
	1166330		/RRW16/	=-BCD*B.S16.RRWXS/2					A
P	1166330		09S\$.19	.13S17.01.20X					A
	1166340		RW16	=B.S16.RWXS/2					A
P	1166340		10S17.01.20X	.17X-09T39T					B
	1166500		S16	=I.K16.PR16.SXADD-2A					A
P	1166500		02P19X.46X.02X.50X.19X-05M42C-05N42C-24Q39C-24R39C-11S02T						A
	1166502		B**K16.SXADD-2A						A
P	1166502		02P19X.\$\$.46X.50X.						A
	1166504		+B16.SXB-2						A
P	1166504		02P\$.33.45X.						A
	1166506		+P16-1.SXP-2						A
P	1166506		02P\$.42.43X						A
	1166508		I.S16INH.						A
P	1166508		08N05.02.20X						A
	1166510		I.(FASTABORT.ENDE).						A
P	1166510		01Q45.42.38						A
	1166560		S16/L	=-LD**S16.KDI-1					A
P	1166560		18P\$.\$.38.29X.						A
	1170100		A17	=FF					A
P	1170100		14P19.19-05M29C-05N29C-01L38T						A
	1170104		NA17	=NFF					A
P	1170104		14P21						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS	REMARKS	C/L
			10	20	30				40	50	60	70
P	1172500		G17	=B*+.A17.D17.GXAD-2			+ .NA17-1.D17.GXNAD-2	A
P	1172500			02P04,\$,\$.24X,28X,21X,			,\$,\$.28X,22X	A
P	1172502			+ .A17.ND17.GXAND-2				A
P	1172502			02P\$\$.24X,\$.25X				A
P	1172600		W/I01B2/17	= .RW17				A
P	1172600			01S34				A
P	1172602		W/I02B2/17	= .RW17				A
P	1172602			02S34				A
P	1172604		W/I03B2/17	= .RW17				A
P	1172604			03S34				A
P	1172606		W/I04B2/17	= .RW17				A
P	1172606			04S34				A
P	1172750		K17	=B*+.G18				A
P	1172750			17N27,\$,\$.50X				A
P	1172751			+ .G19.PR18			+ .K19.PR18.PR19	A
P	1172751			17N\$.47X,.39X,			,\$.42X,.39X,.41X	A
P	1173050		KS17	=-NS				A
P	1173050			18P02				A
P	1173100		KSP17	=-NS				A
P	1173100			02R02				A
P	1173110		NKSP17	=I.KSP17				A
P	1173110			12S46,.40,.44X,.43X				A
P	1173350		/LB17/	=-BCD*P17				A
P	1173350			15R\$.03				A
P	1174100		MB17	=-BCR*/MB17/				A
P	1174100			25P10,\$				A
P	1174150		/MB17/	=-BCD*B.S17.MBXS/2				A
P	1174150			25P\$.09,.24P26,.24,.29X				A
P	1174900		P17	=FF				A
P	1174900			12R19				A
P	1174902		NP17	=NFF				A
P	1174902			12R21,.21-10Q30C-10R30C-01P03T				A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS	REMARKS	C/L
			10	20	30				40	50	60	70
P	1181300		D18	=FF				A
P	1181300			03P23X				A
P	1181304		ND18	=NFF				A
P	1181304			03P\$				A
P	1181310		S/D18	=*.C18.DXC-2		+ .C19.DXCL1-2		A
P	1181310			03P\$.15X.08X.		\$.05X.14X		A
P	1181312			+ .S18.DXS/2		+ .D10.DXDR8/2		A
P	1181312			03P\$.19X.03X.		\$.13.11X		A
P	1181330		R/D18	= .DX/2				A
P	1181330			03P07X				A
P	1181334		C/D18	= .CL-32P18				A
P	1181334			03P09X				A
P	1181400		DAT18	=B.S18.EWDM				A
P	1181400			21R47.41.43X.10X				D
P	1181410		/DAT18/	=-BCD*DAT18				A
P	1181410			22R\$.03				A
P	1181500		DIO18	=-BCR*/DIO18/				A
P	1181500			22Q13,\$				A
P	1181510		DIO18/1	=FF				A
P	1181510			21Q30				A
P	1181511		NDIO18/1	=NFF				A
P	1181511			21Q29				A
P	1181512		S/DIO18/1	=*.DIO18.DIOXD10-2		+ .GND2621		A
P	1181512			21Q41X.41X.42.36X.		41X.37X		A
P	1181513			+ .S18.DIOXS-2.				A
P	1181513			23Q34.33.35X.31X				A
P	1181517		R/DIO18/1	= .DIOX-2				A
P	1181517			21Q40				A
P	1181518		C/DIO18/1	= .CL-32P26				A
P	1181518			21Q01X				A
P	1181520		/DIO18/	=-BCD*DIO18/1				A
P	1181520			22Q\$.12				A
P	1182100		FP18	=I.S18.FPXS-0				A
P	1182100			23P19.03.20X.19-32L20C-14M04C-14N04C-31L20T				A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS	REMARKS	C/L				
			1	2	3	4	5	6	7	8	9	0				1	2	3	4	5	6	7	8	9	0
	1182500		G18	=B*+.A18.D18.GXAD-2										+.NA18-1.D18.GXNAD-2					A
P	1182500			03P06X,\$,\$,18X,23X,21X.										\$,\$,23X,22X					A
	1182502			+.A18.ND18.GXAND-2															A
P	1182502			03P\$,18X,\$,25X															A
	1182600		W/I0182/18	=.RW18															A
P	1182600			01S19															A
	1182602		W/I0282/18	=.RW18															A
P	1182602			02S19															A
	1182604		W/I0382/18	=.RW18															A
P	1182604			03S19															A
	1182606		W/I0482/18	=.RW18															D
P	1182606			04S19															D
	1182750		K18	=B*+.G19															A
P	1182750			17N25X,\$,\$,47X															A
	1182751			+.K19.PR19															A
P	1182751			17N\$,42X,41X															A
	1183050		KS18	=-NS															A
P	1183050			18P03															A
	1183100		KSP18	=-NS															A
P	1183100			02R07															A
	1183110		NKSP18	=1.KSP18															A
P	1183110			12S47,41,10X,43X															A
	1183350		/LB18/	=-BCD*P18															A
P	1183350			15R\$,09															A
	1184100		MB18	=-BCR*/MB18/															A
P	1184100			25P13,\$															A
	1184150		/MB18/	=-BCD*B.S18.MBXS/2															A
P	1184150			25P\$,12,24P34,40,33X															A
	1184900		P18	=FF															A
P	1184900			12R05															A
	1184902		NP18	=NFF															A
P	1184902			12R22															A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																																														
			1	2	3	4	5	6	7	8	9	0	10	11	12	13	14	15	16	17	18	19			20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1184904		S/P18	=+.KSP18.PXK-2										+.S18.PXS-2											A																																													
P	1184904			12R12X,12X,07,18X,										12X,14,34X											A																																													
P	1184906			+..GND2712										+..GND2712											A																																													
P	1184906			12R12X,11,15X,										12X,10,35X											A																																													
P	1184907			+.NP18.PDC18.										+.NP18.PUC18.											A																																													
P	1184907			12R12X,22X,04X,02X,12X,22X,23X,02X																					A																																													
P	1184914		R/P18	=+.PX-2										+.PDC18.											A																																													
P	1184914			12R03X,03X,29X,										03X,04X,02X											A																																													
P	1184915			+.PUC18.																					A																																													
P	1184915			12R03X,23X,02X																					A																																													
P	1184918		C/P18	=.CL-32P30																					A																																													
P	1184918			12R01X																					A																																													
P	1184940		P18-1	=I.NP18.																					A																																													
P	1184940			07R17,01,20X,17-10Q15C-10R15C-09N17T																					A																																													
P	1184990		P18/L	=-LD*+.P18-1.KDI-0										+.10FR2.NKDI-0											A																																													
P	1184990			02R5,\$,\$,14,29X,										\$,15,13X											A																																													
P	1185500		PR18	=8*+.A18.D18.PRXAD/2										+.NA18-1.D18.PRXNAD/2											A																																													
P	1185500			03P02X,\$,\$,18X,23X,29X,										\$,\$,23X,27X											A																																													
P	1185502			+.A18.ND18.PRXAND/2										+.NA18-1.ND18.PRXNAND/2											A																																													
P	1185502			03P\$,18X,\$,20X,										\$,\$,\$,26X											A																																													
P	1186220		W/RP082/18	=.RW18																					A																																													
P	1186220			05S19																					A																																													
P	1186222		W/RP182/18	=.RW18																					A																																													
P	1186222			06S19																					A																																													
P	1186224		W/RP282/18	=.RW18																					A																																													
P	1186224			07S19																					A																																													
P	1186226		W/RP382/18	=.RW18																					A																																													
P	1186226			08S19																					A																																													

SIGMA 5 CPU

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2	3	4	5	6	7	8	9	10
	1186300	RR18	=-BCR*/RRW18/						A
P	1186300		09S27,\$.27-10Q03C-10R03C-01P39T						A
	1186302		-HSM						A
P	1186302		01S09						A
	1186304		-HSM						A
P	1186304		02S09						A
	1186306		-HSM						A
P	1186306		03S09						A
	1186308		-HSM						A
P	1186308		04S09						A
	1186310		-HSM						A
P	1186310		05S09						A
	1186312		-HSM						A
P	1186312		06S09						A
	1186314		-HSM						A
P	1186314		07S09						A
	1186316		-HSM						A
P	1186316		08S09						A
	1186330	/RRW18/	=-BCD*B.S18.RRWXS/2						A
P	1186330		09S\$,25,13S19,03,20X						A
	1186340	RW18	=B.S18.RWXS/2						A
P	1186340		10S19,03,20X,19-09T42T						B
	1186500	S18	=1.K18.PR18.SXADD-2A						A
P	1186500		03P19X,46X,02X,50X,19X-24Q33C-24R33C-11S04T						A
	1186502		B*+.K18.SXADD-2A						A
P	1186502		03P19X,\$.46X,50X.						A
	1186504		+.B18.SXB-2						A
P	1186504		03P\$,33,45X,						A
	1186506		+.P18-1.SXP-2						A
P	1186506		03P\$,42,43X						A
	1186560	S18/L	=-LD*+.S18.KDI-1						A
P	1186560		18P\$,\$.28,29X,						A
	1190100	A19	=FF						A
P	1190100		14P27,27-05M27C-05N27C-01L36T						A
	1190104	NA19	=NFF						A
P	1190104		14P22						A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L	
			10	20	30	40	50	60	70	80	90	00	10	20		30
P	1190110		S/A19			=+.KS19.AXK-2						+.A27.AXAL8-2				A
P	1190110					14P35X,16P38X,25,\$.						38X,28,10X				A
P	1190112					+ .S19.AXS-2						+ .S20.AXSL1-2				A
P	1190112					16P38X,4HX,37X,						38X,35X,\$				A
P	1190114					+ .S18.AXSR1-2						+ .S17.AXSR2-2				A
P	1190114					16P38X,45X,\$.						38X,17X,\$				A
P	1190116					+ .RR19.AXRR/2						+ .DIO19/1.AXDIO-2				A
P	1190116					14P35X,36,39X.						35X,45,38X				A
P	1190118					+ .A3.AXAR16						+ .GND2514				A
P	1190118					14P35X,05X,08X,						35X,10,09X				A
P	1190120					+ .GND2514						+ .GND2514.AXAL8-2				A
P	1190120					14P35X,14,18X,						35X,43,41X				A
P	1190122					+ .RR18.GND2514										A
P	1190122					14P35X,24X,33X										A
P	1190130		R/A19			= .AX/2										A
P	1190130					14P02X										A
P	1190134		C/A19			= .CL-32P33										B
P	1190134					14P01X										A
P	1190140		NA19-1			= 1.A19										A
P	1190140					03P\$,24X										A
P	1190300		B19			=FF										A
P	1190300					07P33										A
P	1190304		NB19			=NFF										A
P	1190304					07P34										A
P	1190310		S/B19			=+.B20.BXBL1-2						+ .B18.BXBR1-2				A
P	1190310					07P39X,09P38X,35X,\$.38X,45X,\$										A
P	1190312					+ .B17.BXBR2-2						+ .S19.BXS-2				A
P	1190312					09P38X,17X,\$.						38X,25,\$				A
P	1190314					+ .P19-1.BXP-2						+ .B19.BXBGND-2				A
P	1190314					07P39X,35,36X,09P38X,44X,37X										A
P	1190316					+ .FP19.BXFP-2						+ .GND2507				A
P	1190316					09P38X,28,10X,						07P39X,37X				A
P	1190330		R/B19			= .BX-2										A
P	1190330					07P38										A
P	1190334		C/B19			= .CL-32P18										A
P	1190334					07P01X										A
P	1190500		C19			=FB+.C19.HOLDC-2						+ .S19.CXS-2				A
P	1190500					03P05X,\$,\$,05X,40X,						\$.17X,31X,05X-01P04T				A
P	1190502					+ .MB19.CXMB-2						+ .RR19.CXRR-2				A
P	1190502					03P\$,30,34X,						\$.35,37X				A

CODE	LINE NO.	CHG	LOGIC EQUATIONS				PINS				REMARKS	C/L	
			10	20	30	40	50	60	70				
P	1191300		D19	=FF									A
P	1191300			03P28X									A
P	1191304		ND19	=NFF									A
P	1191304			03PS									A
P	1191310		S/D19	=+.C19.DXC-2									A
P	1191310			03PS, \$.05X, 08X,									A
P	1191312			+ .S19.DXS/2									A
P	1191312			03PS, 17X, 03X,									A
P	1191330		R/D19	= .DX/2									A
P	1191330			03P07X									A
P	1191334		C/D19	= .CL-32P18									A
P	1191334			03P09X									A
P	1191400		DAT19	=B.S19.EWDM									A
P	1191400			21R50, 42, 43X, 05X									A
P	1191410		/DAT19/	=-BCD*DAT19									A
P	1191410			22RS, 09									A
P	1191500		D1019	=-BCR*/D1019/									A
P	1191500			22Q18, \$									A
P	1191510		D1019/1	=FF									A
P	1191510			21Q33									A
P	1191511		ND1019/1	=NFF									A
P	1191511			21Q34									A
P	1191512		S/D1019/1	=+.D1019.D10XD10-2									A
P	1191512			21Q39X, 39X, 35, 36X,									A
P	1191513			+ .S19.D10XS-2.									A
P	1191513			23Q41, 40, 43X, 42X									A
P	1191517		R/D1019/1	= .D10X-2									A
P	1191517			21Q38									A
P	1191518		C/D1019/1	= .CL-32P26									A
P	1191518			21Q01X									A
P	1191520		/D1019/	=-BCD*D1019/1									A
P	1191520			22Q5, 15									A
P	1192100		FP19	=I.S19.FPXS-0									A
P	1192100			23P18, 04, 20X, 18-32L21C-14N05C-14N05C-31L21T									A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L
	1 2 3 4 5 6 7 8 9	10	11 12 13 14 15 16 17 18 19 20	21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60
	1192500		G19	=B*+.A19.D19.GXAD-2		+ .NA19-1.D19.GXNAD-2	A
P	1192500			03P04, \$. \$. 24X, 28X, 21X,		\$. \$. 28X, 22X	A
	1192502			+ .A19.ND19.GXAND-2			A
P	1192502			03P\$. 24X, \$. 25X			A
	1192600		W/I01B2/19	= .RW19			A
P	1192600			01S12			A
	1192602		W/I02B2/19	= .RW19			A
P	1192602			02S12			A
	1192604		W/I03B2/19	= .RW19			A
P	1192604			03S12			A
	1192606		W/I04B2/19	= .RW19			A
P	1192606			04S12			A
	1192750		K19	=B*+.G2023			A
P	1192750			15N19, \$. \$. 04X			A
	1192751			+ .G2427.PR2023		+ .G2831.PR2023.PR2427	A
P	1192751			15N\$. 01X, 10X,		\$. 06X, 10X, 09X	A
	1192752			+ .K31.PR2023.PR2427.PR2831			A
P	1192752			15N\$. 08X, 10X, 09X, 07X			A
	1193050		KS19	=-NS			A
P	1193050			18P04			A
	1193100		KSP19	=-NS			A
P	1193100			02R08			A
	1193110		NKSP19	=I.KSP19 . .			A
P	1193110			12S50, 42, 05X, 43X			A
	1193350		/LB19/	=-BCD*P19			A
P	1193350			15R\$. 12			A
	1194100		MB19	=-BCR*/MB19/			A
P	1194100			25P18, \$			A
	1194150		/MB19/	=-BCD*B.S19.MBXS/2			A
P	1194150			25P\$. 15, 24P35, 39, 33X			A
	1194900		P19	=FF			A
P	1194900			13R33			A
	1194902		NP19	=NFF			A
P	1194902			13R40			A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
	1 2345678	9	10 123456789	20 23456789	30 23456789	40 23456789	50 23456789	60 23456789	70
P	1194904		S/P19	=*.KSP19.PXK-2				+.S19.PXS-2	A
P	1194904			13R36X,36X,37,18X,36X,46,34X					A
P	1194906			+.GND2713				+.GND2713	A
P	1194906			13R36X,39,15X,				36X,44,35X	A
P	1194907			+.NP19.NP20.PDC22.NP21.NP22					A
P	1194907			13R36X,40X,26X,04X,27X,28X					A
P	1194908			+.NP19.P20.(P21.P22+PUC20).PUC1922.					A
P	1194908			13R36X,40X,25X,45X,43X,47X					A
P	1194914		R/P19	=*.PX-2				+.NP20.PDC22.NP21.NP22	A
P	1194914			13R30X,30X,29X,				30X,26X,04X,27X,28X	A
P	1194915			+.P20.PUC1922.(P21.P22+PUC20).					A
P	1194915			13R30X,25X,43X,45X,47X					A
P	1194918		C/P19	=.CL-32P30					A
P	1194918			13R01X					A
P	1194940		P19-1	=1.NP19.					A
P	1194940			07R05,02,20X,05-10Q09C-10R09C-09N29T					A
P	1194990		P19/L	=LD*+.P19-1.KD1-0				+.IOFR3.NKD1-0	A
P	1194990			02RS,,\$,34,29X,				,\$,33,23X	A
P	1195500		PR19	=B*+.A19.D19.PRXAD/2				+.NA19-1.D19.PRXNAD/2	A
P	1195500			03P01X,\$,24X,28X,29X,				,\$,28X,27X	A
P	1195502			+.A19.ND19.PRXAND/2				+.NA19-1.ND19.PRXNAND/2	A
P	1195502			03PS,24X,\$,20X,				,\$,,\$,26X	A
P	1196220		W/RP082/19	=.RW19					A
P	1196220			05S12					A
P	1196222		W/RP182/19	=.RW19					A
P	1196222			06S12					A
P	1196224		W/RP282/19	=.RW19					A
P	1196224			07S12					A
P	1196226		W/RP382/19	=.RW19					A
P	1196226			08S12					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L						
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
	1196300		RR19	=-BCR*/RRW19/										A					
P	1196300			09S34, \$, 34-10Q04C-10R04C-01P34T										A					
	1196302			-HSM										A					
P	1196302			01S02										A					
	1196304			-HSM										A					
P	1196304			02S02										A					
	1196306			-HSM										A					
P	1196306			03S02										A					
	1196308			-HSM										A					
P	1196308			04S02										A					
	1196310			-HSM										A					
P	1196310			05S02										A					
	1196312			-HSM										A					
P	1196312			06S02										A					
	1196314			-HSM										A					
P	1196314			07S02										A					
	1196316			-HSM										A					
P	1196316			08S02										A					
	1196330		/RRW19/	=-BCD*B.S19.RRWXS/2										A					
P	1196330			09S\$, 33, 13S18, 04, 20X										A					
	1196340		RW19	=B.S19.RWXS/2										A					
P	1196340			10S18, 04, 20X, 18-09T08T										B					
	1196500		S19	=I.K19.PR19.SXADD-2A										A					
P	1196500			03P17X, 38X, 01X, 50X, 17X-24Q40C-24R40C-11S05T										A					
	1196502			B*+.K19.SXADD-2A										A					
P	1196502			03P17X, \$, \$, 38X, 50X, \$, 01X										A					
	1196504			+.B19.SXB-2										A					
P	1196504			03PS, 47, 45X, \$, 05X, 41X										A					
	1196506			+.P19-1.SXP-2										A					
P	1196506			03PS, 44, 43X										A					
	1196560		S19/L	=-LD*+.S19.KDI-1										A					
P	1196560			18PS, \$, \$, 26, 29X, \$, 25, 23X										A					
	1200100		A20	=FF										A					
P	1200100			15P23, 23-05M26C-05N26C-01L35T										A					
	1200104		NA20	=NFF										A					
P	1200104			15P25										A					

CODE	LINE NO.	CHG	LOGIC EQUATIONS /			PINS /			REMARKS	C/L
			10	20	30	40	50	60			70
P	1201300		D20	=FF						A
P	1201300			04P23X						A
P	1201304		ND20	=NFF						A
P	1201304			04PS						A
P	1201310		S/D20	=+.C20.DXC-2				+ .C21.DXCL1-2		A
P	1201310			04PS, \$, 15X, 08X,				\$, 05X, 14X		A
P	1201312			+ .S20.DXS/2				+ .D12.DXDR8/2		A
P	1201312			04PS, 19X, 03X,				\$, 13, 11X		A
P	1201330		R/D20	= .DX/2						A
P	1201330			04P07X						A
P	1201334		C/D20	= .CL-32P18						A
P	1201334			04P09X						A
P	1201400		DAT20	=B.S20.EWDM-1.						A
P	1201400			21R31, 38, 34X, 33X						A
P	1201410		/DAT20/	=-BCD*DAT20						A
P	1201410			22R\$, 12,						A
P	1201500		D1020	=-BCR*/D1020/						A
P	1201500			22Q20, \$						A
P	1201510		D1020/1	=FF						A
P	1201510			21Q02						A
P	1201511		ND1020/1	=NFF						A
P	1201511			21Q21						A
P	1201512		S/D1020/1	=+.D1020.D10XD10-2				+ .GND2621		A
P	1201512			21Q18X, 18X, 25, 10X,				18X, 17X		A
P	1201513			+ .S20.D10X9-2.						A
P	1201513			23Q47, 50, 43X, 42X, 46X						A
P	1201517		R/D1020/1	= .D10X-2						A
P	1201517			21Q23						A
P	1201518		C/D1020/1	= .CL-32P26						A
P	1201518			21Q01X						A
P	1201520		/D1020/	=-BCD*D1020/1						A
P	1201520			22Q\$, 19						A
P	1202100		FP20	=I.S20.FPXS-0						A
P	1202100			23P28, 21, 29X, 28-32L22C-14M06C-14N06C-31L22T						A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2345678	9 10	123456789	29 23456789	39 23456789	49 23456789	59 23456789	69 23456789	70
P	1202500		G20	=B**A20.D20.GXAD-2				+ .NA20-1.D20.GXNAD-2	A
P	1202500			04P06X,\$,\$,18X,23X,21X,				,\$,\$,23X,22X	A
P	1202502			+ .A20.ND20.GXAND-2					A
P	1202502			04P\$,18X,\$,25X					A
P	1202600		W/10182/20	= .RW20					A
P	1202600			01S33					A
P	1202602		W/10282/20	= .RW20					A
P	1202602			02S33					A
P	1202604		W/10382/20	= .RW20					A
P	1202604			03S33					A
P	1202606		W/10482/20	= .RW20					A
P	1202606			04S33					A
P	1202750		K20	=B**G21					A
P	1202750			17N19,\$,\$,04X					A
P	1202751			+ .G22.PR21				+ .G23.PR21.PR22	A
P	1202751			17NS,01X,10X,				,\$,06X,10X,09X	A
P	1202752			+ .K23.PR21.PR22.PR23					A
P	1202752			17NS,08X,10X,09X,07X					A
P	1203050		KS20	=NS					A
P	1203050			18P07					A
P	1203100		KSP20	=NS					A
P	1203100			02R44					A
P	1203110		NKSP20	=1.KSP20 . .					A
P	1203110			12S31,38,34X,33X					A
P	1203350		/LB20/	=BCD*P20					A
P	1203350			15R\$,15					A
P	1204100		MB20	=BCR*/MB20/					A
P	1204100			25P20,\$					A
P	1204150		/MB20/	=BCD*B.S20.MBXS/2					A
P	1204150			25P\$,19,24P41,38,33X					A
P	1204900		P20	=FF					A
P	1204900			13R25					A
P	1204902		NP20	=NFF					A
P	1204902			13R26					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																													
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	60	61	62	63	64	65	66
	1204904		S/P20	=+.KSP20.PXK-2										+.S20.PXS-2										A																		
P	1204904			13R31X,31X,50,18X,										31X,42,34X										A																		
	1204906			+..GND2713										+..GND2713										A																		
P	1204906			13R31X,38,15X,										31X,41,35X										A																		
	1204907			+.NP20.NP21.NP22.PDC22																				A																		
P	1204907			13R31X,26X,27X,28X,04X																				A																		
	1204908			+.NP20.(P21.P22+PUC20).PUC1922.																				A																		
P	1204908			13R31X,26X,45X,23X,47X																				A																		
	1204914		R/P20	=+.PX-2										+.PUC1922.(P21.P22+PUC20).										A																		
P	1204914			13R24X,24X,29X,										24X,23X,45X,47X										A																		
	1204915			+.PDC22.NP21.NP22																				A																		
P	1204915			13R24X,04X,27X,28X																				A																		
	1204918		C/P20	=.CL-32P30																				A																		
P	1204918			13R01X																				A																		
	1204940		P20-1	=I.NP20.																				A																		
P	1204940			07R19,03,20X,19-10Q28C-10R28C-01P20T																				A																		
	1204990		P20/L	=-LD*+.P20-1.KDI-0										+.10FR4.NKDI-0										A																		
P	1204990			02RS,\$,\$,28,29X,										\$,30,23X										A																		
	1205500		PR20	=B*+.A20.D20.PRXAD/2										+.NA20-1.D20.PRXNAD/2										A																		
P	1205500			04P02X,\$,\$,18X,23X,29X,										\$,\$,23X,27X										A																		
	1205502			+.A20.ND20.PRXAND/2										+.NA20-1.ND20.PRXNAND/2										A																		
P	1205502			04PS,18X,\$,20X,										\$,\$,\$,26X										A																		
	1206220		W/RP082/20	=.RW20																				A																		
P	1206220			05S33																				A																		
	1206222		W/RP182/20	=.RW20																				A																		
P	1206222			06S33																				A																		
	1206224		W/RP282/20	=.RW20																				A																		
P	1206224			07S33																				A																		
	1206226		W/RP382/20	=.RW20																				A																		
P	1206226			08S33																				A																		

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	1206300		RR20	=-BCR*/RRW20/ 09S36,\$.36-10Q05C-10R05C-01P38T																					A																									
P	1206300																								A																									
	1206302			-HSM																					A																									
P	1206302			01S45																					A																									
	1206304			-HSM																					A																									
P	1206304			02S45																					A																									
	1206306			-HSM																					A																									
P	1206306			03S45																					A																									
	1206308			-HSM																					A																									
P	1206308			04S45																					A																									
	1206310			-HSM																					A																									
P	1206310			05S45																					A																									
	1206312			-HSM																					A																									
P	1206312			06S45																					A																									
	1206314			-HSM																					A																									
P	1206314			07S45																					A																									
	1206316			-HSM																					A																									
P	1206316			08S45																					A																									
	1206330		/RRW20/	=-BCD*B.S20.RRWXS/2 09S\$,35,13S28,21,29X																					A																									
P	1206330																								A																									
	1206340		RW20	=B.S20.RWXS/2 10S28,21,29X,28-09T07T																					A																									
P	1206340																								B																									
	1206500		S20	=1.K20.PR20.SXADD-2B 04P19X,46X,02X,50X,19X-24Q50C-24R50C-11S21T																					A																									
P	1206500																								A																									
	1206502			B*+.K20.SXADD-2B 04P19X,\$.\$.46X,50X,																					A																									
P	1206502																								A																									
	1206504			+.B20.SXB-2 04P\$,33,45X,																					A																									
P	1206504																								A																									
	1206506			+.P20-1.SXP-2 04P\$,42,43X																					A																									
P	1206506																								A																									
	1206560		S20/L	=-LD*+.S20.KD1-1 18P\$,\$.\$.18,29X,																					A																									
P	1206560																								A																									
	1210100		A21	=FF 15P19,19-05M24C-05N24C-01L34T																					A																									
P	1210100																								A																									
	1210104		NA21	=NFF 15P21																					A																									
P	1210104																								A																									

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CODE	LINE NO.	CHG	LOGIC EQUATIONS							PINS							REMARKS	C/L											
			1	2	3	4	5	6	7	8	9	10	11	12	13	14			15	16	17	18	19	20					
	1210110		S/A21	=	+	KS21	.AXK-2											+	A29	.AXAL8-2								A	
P	1210110						15P28X,16P41X,09,\$,												41X,24,10X									A	
	1210112						+.S21.AXS-2												+	S22	.AXSL1-2							A	
P	1210112						16P41X,14X,37X,												41X,04X,\$									A	
	1210114						+.S20.AXSR1-2												+	S19	.AXSR2-2							A	
P	1210114						16P41X,35X,\$,												41X,44X,\$									A	
	1210116						+.RR21.AXRR/2												+	D10	21/1.AXD10-2							A	
P	1210116						15P28X,40X,39X,												28X,42,38X									A	
	1210118						+.A5.AXAR16												+	A21L	.AXLOAD-3							A	
P	1210118						15P28X,06X,08X,												28X,13,18X									A	
	1210120						+.GND2515												+	.GND2515								A	
P	1210120						15P28X,15,09X,												28X,44,41X									A	
	1210122						+.RR20.GND2515																					A	
P	1210122						15P28X,26X,33X																					A	
	1210130		R/A21	=	.AX/2																							A	
P	1210130						15P02																						A
	1210134		C/A21	=	.CL-32P33																							B	
P	1210134						15P01																					A	
	1210140		NA21-1	=	I.A21																							A	
P	1210140						04P\$,24X																					A	
	1210150		A21L	=	B.(P29.NP30.NP31).KUA21																							A	
P	1210150						06P18,20X,04,18-22P13T																					A	
	1210300		B21	=	FF																							A	
P	1210300						08P31																					A	
	1210304		NB21	=	NFF																							A	
P	1210304						08P26																					A	
	1210310		S/B21	=	+	B22	.BXR1-2												+	B20	.BXR1-2							A	
P	1210310						08P46X,09P41X,04X,\$,41X,35X,\$																						A
	1210312						+.B19.BXBR2-2												+	S21	.BXS-2							A	
P	1210312						09P41X,44X,\$,												41X,09,\$									A	
	1210314						+.P21-1.BXP-2												+	B21	.BXXGND-2							A	
P	1210314						08P46X,43,36X,												09P41X,14X,37X									A	
	1210316						+.FP21.BXFP-2												+	GND2508								A	
P	1210316						09P41X,24,10X,												08P46X,37X									A	
	1210330		R/B21	=	.BX-2																							A	
P	1210330						08P44																					A	
	1210334		C/B21	=	.CL-32P19																							A	
P	1210334						08P01X																					A	

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1210500		C21	=FB+.C21.HOLDC-2				+ .S21.CXS-2								A
P	1210500			04P05X,\$.05X,40X,				\$.17X,31X,05X-01P06T								A
P	1210502			+ .MB21.CXMB-2				+ .RR21.CXRR-2								A
P	1210502			04P\$.30,34X,				\$.35,37X								A
P	1211300		D21	=FF												A
P	1211300			04P28X												A
P	1211304		ND21	=NFF												A
P	1211304			04P\$												A
P	1211310		S/D21	=*+.C21.DXC-2				+ .C22.DXCL1-2								A
P	1211310			04P\$,\$.05X,08X,				\$.10X,14X								A
P	1211312			+ .S21.DXS/2				+ .D13.DXDR8/2								A
P	1211312			04P\$,.17X,03X,				\$.12,11X								A
P	1211330		R/D21	= .DX/2												A
P	1211330			04P07X												A
P	1211334		C/D21	= .CL-32P18												A
P	1211334			04P09X												A
P	1211400		DAT21	=B.S21.EWDM-1.												A
P	1211400			21R30,37,34X,44X												A
P	1211410		/DAT21/	=-BCD*DAT21												A
P	1211410			22R\$.15												A
P	1211500		D1021	=-BCR*/D1021/												A
P	1211500			22Q22,\$												A
P	1211510		D1021/1	=FF												A
P	1211510			21Q04												A
P	1211511		ND1021/1	=NFF												A
P	1211511			21Q05												A
P	1211512		S/D1021/1	=*+.D1021.D10XD10-2				+ .GND2621								A
P	1211512			21Q03X,03X,24,10X,				03X,17X								A
P	1211513			+ .S21.D10XS-2.												A
P	1211513			23Q44,45,43X,46X												A
P	1211517		R/D1021/1	= .D10X-2												A
P	1211517			21Q22												A
P	1211518		C/D1021/1	= .CL-32P26												A
P	1211518			21Q01X												A
P	1211520		/D1021/	=-BCD*D1021/1												A
P	1211520			22Q\$.23												A

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CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1214904		S/P21	=**+.KSP21.PXK-2				+ .S21.PXS-2								A
	1214904			13R20X, 20X, 06, 18X,				20X, 08, 34X								A
P	1214906			+..GND2713				+..GND2713								A
P	1214906			13R20X, 13, 15X,				20X, 09, 35X								A
P	1214907			+ .NP21.NP22.PDC22.NPUC20				+ .NP21.P22.PUC1922.NPUC20								A
P	1214907			13R20X, 21X, 22X, 04X, 02X,				20X, 21X, 05X, 23X, 02X								A
P	1214914		R/P21	=**+.PX-2				+ .P22.PUC1922.NPUC20								A
P	1214914			13R17X, 17X, 29X,				17X, 05X, 23X, 02X								A
P	1214915			+ .NP22.PDC22.NPUC20												A
P	1214915			13R17X, 22X, 04X, 02X												A
P	1214918		C/P21	= .CL-32P30												A
P	1214918			13R01X												A
P	1214940		P21-1	=I.NP21.												A
P	1214940			13N18, 04, 20X, 18-31Q39C-02F39C-22E05T												A
P	1214990		P21/L	=LD**+.P21 .KDI-0				+ .10FR5.NKDI-0								A
P	1214990			02R\$, \$, \$, 18, 29X,				\$, 19, 13X								A
P	1215500		PR21	=B**+.A21.D21.PRXAD/2				+ .NA21-1.D21.PRXNAD/2								A
P	1215500			04P01X, \$, \$, 24X, 28X, 29X,				\$, \$, 28X, 27X								A
P	1215502			+ .A21.ND21.PRXAND/2				+ .NA21-1.ND21.PRXNAND/2								A
P	1215502			04P\$, 24X, \$, 20X,				\$, \$, \$, 26X								A
P	1216220		W/RP082/21	= .RW21												A
P	1216220			05S28												A
P	1216222		W/RP182/21	= .RW21												A
P	1216222			06S28												A
P	1216224		W/RP282/21	= .RW21												A
P	1216224			07S28												A
P	1216226		W/RP382/21	= .RW21												A
P	1216226			08S28												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS	REMARKS	C/L					
			1	2	3	4	5	6	7	8	9	0				10	11	12	13	14	15	16	17	18	19	20
	1216300		RR21	=-BCR*/RRW21/													A			
P	1216300			09S38,\$.38-10Q06C-10R06C-01P33T													A			
	1216302			-HSM													A			
P	1216302			01S46													A			
	1216304			-HSM													A			
P	1216304			02S46													A			
	1216306			-HSM													A			
P	1216306			03S46													A			
	1216308			-HSM													A			
P	1216308			04S46													A			
	1216310			-HSM													A			
P	1216310			05S46													A			
	1216312			-HSM													A			
P	1216312			06S46													A			
	1216314			-HSM													A			
P	1216314			07S46													A			
	1216316			-HSM													A			
P	1216316			08S46													A			
	1216330		/RRW21/	=-BCD*B.S21.RRWXS/2													A			
P	1216330			09S\$,37,13S27,22,29X													A			
	1216340		RW21	=B.S21.RWXS/2													A			
P	1216340			10S27,22,29X,27-09T44T													B			
	1216500		S21	=I.K21.PR21.SXADD-2B													A			
P	1216500			04P17X,38X,01X,50X,17X-24Q45C-24R45C-11S06T													A			
	1216502			B*+.K21.SXADD-2B													A			
P	1216502			04P17X,\$.\$.38X,50X.													A			
	1216504			+.B21.SXB-2													A			
P	1216504			04P\$,47,45X.													A			
	1216506			+.P21-1.SXP-2													A			
P	1216506			04P\$,44,43X													A			
	1216560		S21/L	=-LD*+.S21.KD1-1													A			
P	1216560			18P\$,\$.\$.14,29X.													A			
	1220100		A22	=FF													A			
P	1220100			15P31,31-05M33C-05N33C-01L33T													A			
	1220104		NA22	=NFF													A			
P	1220104			15P29													A			

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1220110	S/A22	=+.KS22.AXK-2										+.A30.AXALB-2											A																										
P	1220110		15P37X,16P42X,19,\$.										42X,29,10X											A																										
P	1220112		+.S22.AXS-2										+.S23.AXSL1-2											A																										
P	1220112		16P42X,04X,37X,										42X,36X,\$											A																										
P	1220114		+.S21.AXSR1-2										+.S20.AXSR2-2											A																										
P	1220114		16P42X,14X,\$.										42X,35X,\$											A																										
P	1220116		+.RR22.AXRR/2										+.DIO22/1.AXDIO-2											A																										
P	1220116		15P37X,24X,39X.										37X,47,38X											A																										
P	1220118		+.A6.AXAR16										+.A22L.AXLOAD-3											A																										
P	1220118		15P37X,03X,08X,										37X,11,18X											A																										
P	1220120		+.GND2515										+.GND2515											A																										
P	1220120		15P37X,07,09X,										37X,50,41X											A																										
P	1220122		+.RR21.GND2515																					A																										
P	1220122		15P37X,40X,33X																					A																										
P	1220130	R/A22	=.AX/2																					A																										
P	1220130		15P02																					A																										
P	1220134	C/A22	=.CL-32P33																					B																										
P	1220134		15P01																					A																										
P	1220140	NA22-1	=I.A22																					A																										
P	1220140		05P\$,18X																					A																										
P	1220150	A22L	=B.(P29.NP30.NP31).KUA22																					A																										
P	1220150		06P19,20X,03,19-19N37T																					A																										
P	1220300	B22	=FF																					A																										
P	1220300		08P30																					A																										
P	1220304	NB22	=NFF																					A																										
P	1220304		08P29																					A																										
P	1220310	S/B22	=+.B23.BXBL1-2										+.B21.BXBR1-2											A																										
P	1220310		08P41X,09P42X,36X,\$.										42X,14X,\$											A																										
P	1220312		+.B20.BXBR2-2										+.S22.BXS-2											A																										
P	1220312		09P42X,35X,\$.										42X,19,\$											A																										
P	1220314		+.P22-1.BXP-2										+.B22.BXBGND-2											A																										
P	1220314		08P41X,42,36X,										09P42X,04X,37X											A																										
P	1220316		+.FP22.BXFP-2										+.GND2508											A																										
P	1220316		09P42X,29,10X,08P41X,37X																					A																										
P	1220330	R/B22	=.BX-2																					A																										
P	1220330		08P40																					A																										
P	1220334	C/B22	=.CL-32P19																					A																										
P	1220334		08P01X																					A																										

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS			C/L
			10	20	30	40	50	60	70			
P	1220500		C22	=FB**	C22.HOLDC-2			+S22.CXS-2				A
	1220500			05P15X,\$,\$,15X,40X,			\$,19X,31X,15X-01P09T					A
P	1220502			+M822.CXMB-2			+RR22.CXRR-2					A
	1220502			05P\$,36,34X,			\$,39,37X					A
P	1221300		D22	=FF								A
	1221300			05P23X								A
P	1221304		ND22	=NFF								A
	1221304			05P\$								A
P	1221310		S/D22	=**	C22.DXC-2			+C23.DXCL1-2				A
	1221310			05P\$, \$,15X,08X,			\$,05X,14X					A
P	1221312			+S22.DXS/2			+D14.DXDR8/2					A
	1221312			05P\$,19X,03X,			\$,13,11X					A
P	1221330		R/D22	=DX/2								A
	1221330			05P07X								A
P	1221334		C/D22	=CL-32P18								A
	1221334			05P09X								A
P	1221400		DAT22	=B.S22.EWDM-1.								A
	1221400			21R29,36,34,10X								A
P	1221410		/DAT22/	=-BCD*DAT22								A
	1221410			22R\$,19								A
P	1221500		D1022	=-BCR*/D1022/								A
	1221500			22Q27,\$								A
P	1221510		D1022/1	=FF								A
	1221510			21Q14								A
P	1221511		ND1022/1	=NFF								A
	1221511			21Q12								A
P	1221512		S/D1022/1	=**	D1022.D10XD10-2			+GND2621				A
	1221512			21Q11X,11X,13,10X,			11X,20					A
P	1221513			+S22.D10XS-2								A
	1221513			23Q22,23,29X								A
P	1221517		R/D1022/1	=D10X-2								A
	1221517			21Q15								A
P	1221518		C/D1022/1	=CL-32P26								A
	1221518			21Q01X								A
P	1221520		/D1022/	=-BCD*D1022/1								A
	1221520			22Q\$,25								A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L									
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
P	1222100		FP22	=I.S22.FPXS-0																		A
P	1222100			23P25,23,29X,25-32L24C-14M08C-14N08C-31L24T																		A
P	1222500		G22	=B**A22.D22.GXAD-2																		A
P	1222500			05P06X,\$,\$,18X,23X,21X,\$,\$,23X,22X																		A
P	1222502			+A22.ND22.GXAND-2																		A
P	1222502			05PS,18X,\$,25X																		A
P	1222600		W/10182/22	=.RW22																		A
P	1222600			01S17																		A
P	1222602		W/10282/22	=.RW22																		A
P	1222602			02S17																		A
P	1222604		W/10382/22	=.RW22																		A
P	1222604			03S17																		A
P	1222606		W/10482/22	=.RW22																		A
P	1222606			04S17																		A
P	1222750		K22	=B**G23																		A
P	1222750			17N20,\$,\$,06X																		A
P	1222751			+K23.PR23																		A
P	1222751			17NS,08X,07X																		A
P	1223050		KS22	=-NS																		A
P	1223050			18P09																		A
P	1223100		KSP22	=-NS																		A
P	1223100			02R40																		A
P	1223110		NKSP22	=I.KSP22																		A
P	1223110			12S29,36,10X,34X																		A
P	1223350		/LB22/	=-BCD*P22																		A
P	1223350			15RS,23																		A
P	1224100		MB22	=-BCR*/MB22/																		A
P	1224100			25P27,\$																		A
P	1224150		/MB22/	=-BCD*B.S22.MBXS/2																		A
P	1224150			25PS,25,24P27,22,29X																		A
P	1224900		P22	=FF																		A
P	1224900			13R05X																		A
P	1224902		NP22	=NFF																		A
P	1224902			13R22X,22X-10Q29C-10R29C-09N26T																		A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																																																									
			1	2	3	4	5	6	7	8	9	0		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
	1226300		RR22	=-BCR*/RRW22/																															A																																			
P	1226300			09S40,\$.40-10Q07C-10R07C-01P40T																															A																																			
	1226302			-HSM																															A																																			
P	1226302			01S04																															A																																			
	1226304			-HSM																															A																																			
P	1226304			02S04																															A																																			
	1226306			-HSM																															A																																			
P	1226306			03S04																															A																																			
	1226308			-HSM																															A																																			
P	1226308			04S04																															A																																			
	1226310			-HSM																															A																																			
P	1226310			05S04																															A																																			
	1226312			-HSM																															A																																			
P	1226312			06S04																															A																																			
	1226314			-HSM																															A																																			
P	1226314			07S04																															A																																			
	1226316			-HSM																															A																																			
P	1226316			08S04																															A																																			
	1226330		/RRW22/	=-BCD*B.S22.RRWXS/2																															A																																			
P	1226330			09S\$,39,13S25,23,29X																															A																																			
	1226340		RW22	=B.S22.RWXS/2																															A																																			
P	1226340			10S25,23,29X,25-09T06T																															B																																			
	1226500		S22	=I.K22.PR22.SXADD-2B																															A																																			
P	1226500			05P19X,46X,02X,50X,19X-24Q23C-24R23C-11S23T																															A																																			
	1226502			B*+.K22.SXADD-2B																															A																																			
P	1226502			05P19X,\$.46X,50X,																															A																																			
	1226504			+.B22.SXB-2																															A																																			
P	1226504			05P\$,33,45X,																															A																																			
	1226506			+.P22-1.SXP-2																															A																																			
P	1226506			05P\$,42,43X																															A																																			
	1226560		S22/L	=-LD*+.S22.KDI-1																															A																																			
P	1226560			18P\$, \$, \$, 11, 29X,																															A																																			
	1230100		A23	=FF																															A																																			
P	1230100			15P27,27-05M25C-05N25C-01L31T																															A																																			
	1230104		NA23	=NFF																															A																																			
P	1230104			15P22																															A																																			

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1230110		S/A23	=+.KS23.AXK-2 15P35X,16P06X,21,\$.										+.A31.AXALB-2 06X,27,10X											A																									
P	1230112			+.S23.AXS-2 16P06X,36X,37X,										+.S24.AXSL1-2 06X,43,\$.											A																									
P	1230114			+.S22.AXSR1-2 16P06X,04X,\$.										+.S21.AXSR2-2 06X,14X,\$.											A																									
P	1230116			+.RR23.AXRR/2 15P35X,36,39X.										+.D1023/1.AXD10-2 35X,45,38X											A																									
P	1230118			+.A7.AXAR16 15P35X,05,08X.										+.A23L.AXLOAD-3 35X,14,18X											A																									
P	1230120			+..GND2515 15P35X,10,09X,										+..GND2515 35X,43,41X											A																									
P	1230122			+.RR22.GND2515 15P35X,24X,33X																					A																									
P	1230130		R/A23	=.AX/2 15P02																					A																									
P	1230134		C/A23	=.CL-32P33 15P01																					B																									
P	1230140		NA23-1	=I.A23 05P\$,24X																					A																									
P	1230150		A23L	=B.(P29.NP30.NP31).KUA23 06P05,20X,02,05-19N45T																					A																									
P	1230300		B23	=FF 08P33																					A																									
P	1230304		NB23	=NFF 08P34																					A																									
P	1230310		S/B23	=+.B24.BXBL1-2 08P39X,09P06X,43,\$.06X,04X,\$										+.B22.BXBR1-2											A																									
P	1230312			+.B21.BXBR2-2 09P06X,14X,\$.										+.S23.BXS-2 06X,21,\$											A																									
P	1230314			+.P23-1.BXP-2 08P39X,35,36X,										+.B23.BXBGND-2 09P06X,36X,37X											A																									
P	1230316			+.FP23.BXFP-2 09P06X,27,10X,										+.GND2508 08P39X,37X											A																									
P	1230330		R/B23	=.BX-2 08P38																					A																									
P	1230334		C/B23	=.CL-32P19 08P01X																					A																									

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS	REMARKS	C/L
			1	2	3			
P	1230500		C23	=FB**.	C23.HOLDC-2		+ .S23.CXS-2	A
	1230500			05P05X,\$,\$,05X,40X,			\$.17X,31X,05X-01P07T	A
P	1230502			+ .M823.CXMB-2			+ .RR23.CXRR-2	A
	1230502			05P\$.30,34X,			\$.35,37X	A
P	1231300		D23	=FF				A
	1231300			05P28X				A
P	1231304		ND23	=NFF				A
	1231304			05P\$				A
P	1231310		S/D23	=**.	C23.DXC-2		+ .C24.DXCL1-2	A
	1231310			05P\$,\$,05X,08X,			\$.10X,14X	A
P	1231312			+ .S23.DXS/2			+ .D15.DXDR8/2	A
	1231312			05P\$,.17X,03X,			\$.12,11X	A
P	1231330		R/D23	= .DX/2				A
	1231330			05P07X				A
P	1231334		C/D23	= .CL-32P18				A
	1231334			05P09X				A
P	1231340		D23-1	=B.D23.				A
	1231340			25N34,40,33X,34-32Q31C-01C31C-03D10C-03C10C-26012T				A
P	1231350		ND23-1	=I.D23.				A
	1231350			20P17,01,20X,17-32Q33C-01C33C-03D33C-03C33C-16E50T				A
P	1231360		(D23.NR31)	=B.D23-1.NR31				A
	1231360			12C13,08,04				A
P	1231400		DAT23	=B.S23.EWDM-1.				A
	1231400			21R28,35,34X,05X				A
P	1231410		/DAT23/	=-BCD*DAT23				A
	1231410			22R\$.23				A
P	1231500		D1023	=-BCR*/D1023/				A
	1231500			22Q34,\$				A
P	1231510		D1023/1	=FF				A
	1231510			21Q06				A
P	1231511		ND1023/1	=NFF				A
	1231511			21Q07				A
P	1231512		S/D1023/1	=**.	D1023.D10XD10-2		+ .(S23.D10XS)	A
	1231512			21Q\$,\$,08,10X,			\$.19	A
P	1231517		R/D1023/1	= .D10X-2				A
	1231517			21Q09				A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60		
P	1234900		P23	=FF						A
P	1234900			14R25						A
P	1234902		NP23	=NFF						A
P	1234902			14R26						A
P	1234904		S/P23	=+.KSP23.PXK-3				+S23.PXS-3		A
P	1234904			14R31X,31X,50,18X,				31X,42,34X		A
P	1234906			+GND2714,				+INT0.PXINT		A
P	1234907			14R31X,38,15X,				31X,41,35X		A
P	1234907			+NP23.NP24.NP25.PDC25				+NP23.P24.P25.PUC25		A
P	1234907			14R31X,26X,28X,27X,04X,31X,26X,47X,45X,23X						A
P	1234914		R/P23	=+.PX-3				+P24.P25.PUC25		A
P	1234914			14R24X,24X,29X,				24X,47X,45X,23X		A
P	1234915			+NP24.NP25.PDC25						A
P	1234915			14R24X,28X,27X,04X,						A
P	1234918		C/P23	=.CL-32P30						A
P	1234918			14R01X						A
P	1234940		P23-1	=I.NP23.						A
P	1234940			07R27,22,29X,27-31Q41C-10Q27C-10R27C-02F41C-22E09T						A
P	1234990		P23/L	=LD*+.P23-1.KD1-0				+10FR7.NKD1-0		A
P	1234990			02R\$, \$, \$, 38, 29X,				\$, 37, 23X		A
P	1235500		PR23	=8*+.A23.D23.PRXAD/2				+NA23-1.D23.PRXNAD/2		A
P	1235500			05P01X,\$,\$,24X,28X,29X,				\$,\$,28X,27X		A
P	1235502			+A23.ND23.PRXAND/2				+NA23-1.ND23.PRXNAND/2		A
P	1235502			05P\$,24X,\$,20X,				\$,\$,\$,26X		A
P	1236220		W/RP0B2/23	=.RW23						A
P	1236220			05S11						A
P	1236222		W/RP1B2/23	=.RW23						A
P	1236222			06S11						A
P	1236224		W/RP2B2/23	=.RW23						A
P	1236224			07S11						A
P	1236226		W/RP3B2/23	=.RW23						A
P	1236226			08S11						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L	
			1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0			
	1236300		RR23	=-BCR*/RRW23/																					A
P	1236300			09S42,\$.42-10Q08C-10R08C-01P36T																					A
	1236302			-HSM																					A
P	1236302			01S01																					A
	1236304			-HSM																					A
P	1236304			02S01																					A
	1236306			-HSM																					A
P	1236306			03S01																					A
	1236308			-HSM																					A
P	1236308			04S01																					A
	1236310			-HSM																					A
P	1236310			05S01																					A
	1236312			-HSM																					A
P	1236312			06S01																					A
	1236314			-HSM																					A
P	1236314			07S01																					A
	1236316			-HSM																					A
P	1236316			08S01																					A
	1236330		/RRW23/	=-BCD*B.S23.RRWXS/2																					A
P	1236330			09S\$,45,13S26,24,29X																					A
	1236340		RW23	=B.S23.RWXS/2																					A
P	1236340			10S26,24,29X,26-09T05																					B
	1236500		S23	=I.K23.PR23.SXADD-2B																					A
P	1236500			05P17X,38X,01X,50X,17X-24Q35C-24R35C-11S24T																					A
	1236502			B**K23.SXADD-2B																					A
P	1236502			05P17X,\$,\$,38X,50X,																					A
	1236504			+.B23.SXB-2																					A
P	1236504			05P\$,47,45X,																					A
	1236506			+.P23-1.SXP-2																					A
P	1236506			05P\$,44,43X																					A
	1236508			I.CC1XK23.																					A
P	1236508			01Q02,03,09																					A
	1236560		S23/L	=-LD**S23.KDI-1																					A
P	1236560			18P\$,,\$,22,29X,																					A
	1240100		A24	=FF																					A
P	1240100			14Q23																					A
	1240104		NA24	=NFF																					A
P	1240104			14Q25																					A

CODE	LINE NO.	CHK	LOGIC EQUATIONS / PINS / REMARKS												C/L																																								
			1	2	3	4	5	6	7	8	9	10	11	12		10	11	12	13	14	15	16	17	18	19	20	30	31	32	33	34	35	36	37	38	39	40	50	51	52	53	54	55	56	57	58	59	60	70	71	72	73	74	75	76
P	1240110		S/A24	=+.KS24.AXK-3 14Q12X,16Q18X,22,\$.													A																																						
P	1240110			+.S24.AXS-3													A																																						
P	1240112			16Q18X,05X,37X,													A																																						
P	1240114			+.S23.AXSR1-3													A																																						
P	1240114			16Q18X,07X,\$.													A																																						
P	1240116			+.RR24.AXRR/3													A																																						
P	1240116			14Q12X,26X,39X,													A																																						
P	1240118			+.CC1.AXFC													A																																						
P	1240118			14Q12X,04,08X,													A																																						
P	1240120			+.RP24.AXPSW2													A																																						
P	1240120			14Q12X,46,41X,													A																																						
P	1240122			+.GND2614													A																																						
P	1240122			14Q12X,30,33X													A																																						
P	1240130		R/A24	=.AX/3													A																																						
P	1240130			14Q02X													A																																						
P	1240134		C/A24	=.CL-32P33													A																																						
P	1240134			14Q01X													A																																						
P	1240140		NA24-1	=I.A24													A																																						
P	1240140			02Q\$,18X													A																																						
P	1240150		A24L	=B++.(P29.NP30.NP31).KUA24.													A																																						
P	1240150			21N45,\$,\$,40,39,41X,													A																																						
P	1240300		B24	=FF													A																																						
P	1240300			07Q27													A																																						
P	1240304		NB24	=NFF													A																																						
P	1240304			07Q28													A																																						
P	1240310		S/B24	=++.B25.BXBL1-3													A																																						
P	1240310			07Q50X,09Q18X,17X,\$.													A																																						
P	1240312			+.B22.BXBR2-3													A																																						
P	1240312			09Q18X,08,\$.													A																																						
P	1240314			+.P24-1.BXP-3													A																																						
P	1240314			07Q50X,47,36X,													A																																						
P	1240316			+.FP24.BXFP-3													A																																						
P	1240316			09Q18X,31,10X,													A																																						
P	1240330		R/B24	=.BX-3													A																																						
P	1240330			07Q45													A																																						
P	1240334		C/B24	=.CL-32P22													A																																						
P	1240334			07Q01X													A																																						

CODE	LINE NO.	CHG	LOGIC EQUATIONS			/	PINS			/	REMARKS	C/L
			10	20	30		40	50	60				70
P	1242100		FP24	=1.S24.FPXS-1								A
P	1242100			23P34,40,33X,34-32L26C-14M10C-14N10C-31L26T								A
P	1242500		G24	=B*+.A24.D24.GXAD-3								A
P	1242500			02Q06X,\$,\$,18X,23X,21X.								A
P	1242502			+ .A24.ND24.GXAND-3								A
P	1242502			02Q\$,18X,\$,25X								A
P	1242600		W/101B3/24	= .RW24								A
P	1242600			05T35								A
P	1242602		W/102B3/24	= .RW24								A
P	1242602			06T35								A
P	1242604		W/103B3/24	= .RW24								A
P	1242604			07T35								A
P	1242606		W/104B3/24	= .RW24								A
P	1242606			08T35								A
P	1242610		W/101B4/24	= .RW16								A
P	1242610			01T35								A
P	1242612		W/102B4/24	= .RW16								A
P	1242612			02T35								A
P	1242614		W/103B4/24	= .RW16								A
P	1242614			03T35								A
P	1242616		W/104B4/24	= .RW16								A
P	1242616			04T35								A
P	1242750		K24	=B*+.G25								A
P	1242750			16N26,\$,\$,44X								A
P	1242751			+ .G26.PR25								A
P	1242751			16N\$,50X,40X,								A
P	1242752			+ .K27.PR25.PR26								A
P	1242752			16N\$,42X,40X,39X,41X								A
P	1243050		KS24	=-NS								A
P	1243050			18Q01								A
P	1243100		KSP24	=-NS								A
P	1243100			04R01								A
P	1243110		NKSP24	=1.KSP24								A
P	1243110			12S18,12,17X,33X								A
P	1243350		/LB24/	=-BCD*P24								A
P	1243350			15R\$,33								A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L						
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	1243750		/LR24/	=BCD*B.RP24.NIOFM/1											J
	1243750			13TS.02,16S47,31.50X											A
P	1244100		MB24	=BCR*/MB24/											A
	1244100			25P36.\$											A
P	1244150		/MB24/	=BCD*B.S24.MBXS/3											A
	1244150			25PS.35,25N26,24,29X											A
P	1244900		P24	=FF											A
	1244900			14R19											A
P	1244902		NP24	=NFF											A
	1244902			14R21											A
P	1244904		S/P24	=*+.KSP24.PXK-3				+S24.PXS-3							A
	1244904			14R20X,20X,06,18X,				20X,08,34X							A
P	1244906			+GND2714.				+INT1.PXINT							A
	1244906			14R20X,13,15X,				20X,09,35X							A
P	1244907			+NP24.NP25.PDC25.				+NP24.P25.PUC25.							A
	1244907			14R20X,21X,22X,04X,02X,				20X,21X,05X,23X,02X							A
P	1244914		R/P24	=*+.PX-3				+P25.PUC25.							A
	1244914			14R17X,17X,29X,				17X,05X,23X,02X							A
P	1244915			+NP25.PDC25.											A
	1244915			14R17X,22X,04X,02X											A
P	1244918		C/P24	=CL-32P30											A
	1244918			14R01X											A
P	1244940		P24-1	=I.NP24.											A
	1244940			07R25,23,29X,25-10Q22C-10R22C-06Q42T											A
P	1244990		P24/L	=LD*+.P24-1.KDI-0				+10FR8.NKDI-0							A
	1244990			04RS,\$,\$,14,29X,				\$,15,13							A
P	1245500		PR24	=B*+.A24.D24.PRXAD/3				+NA24-1.D24.PRXNAD/3							A
	1245500			02Q02X,\$,\$,18X,23X,29X,				,\$,\$,23X,27X							A
P	1245502			+A24.ND24.PRXAND/3				+NA24-1.ND24.PRXNAND/3							A
	1245502			02Q\$,18X,\$,20X.				,\$,\$,\$,26X							A
P	1246200		RP24	=FF											A
	1246200			08Q27,27-19Q45C-19R45C											A
P	1246202		NRP24	=NFF											A
	1246202			08Q28,28-18M35C-18N35C-10Q35C-10R35C											A
P	1246204		S/RP24	=*+.S24.RPXS				+GND2608							A
	1246204			08Q50X,50X,47,36X,				50X,37X							A

CODE	LINE NO.	CHK	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	23456789	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1250304		NB25	=NFF												A
P	1250304			07Q26												A
P	1250310		S/B25	=+.B26.BXB	L1-3											A
P	1250310			07Q46X,09Q13X,45X,\$.13X,05X,\$												A
P	1250312			+ .B23.BXBR2-3												A
P	1250312			09Q13X,07X,\$												A
P	1250314			+ .P25-1.BXP-3												A
P	1250314			07Q46X,43,36X,												A
P	1250316			+ .FP25.BXFP-3												A
P	1250316			09Q13X,30,10X,												A
P	1250330		R/B25	= .BX-3												A
P	1250330			07Q44												A
P	1250334		C/B25	= .CL-32P22												A
P	1250334			07Q01X												A
P	1250500		C25	=FB+.C25.HOLDC-3												A
P	1250500			02Q05X,\$.05X,40X,												A
P	1250502			+ .MB25.CXMB-3												A
P	1250502			02Q\$.30,34X,												A
P	1251300		D25	=FF												A
P	1251300			02Q28X,28X-24M35C-24N35C-24L12T												A
P	1251304		ND25	=NFF												A
P	1251304			02Q\$												A
P	1251310		S/D25	=+.C25.DXC-3												A
P	1251310			02Q\$,\$.05X,08X,												A
P	1251312			+ .S25.DXS/3												A
P	1251312			02Q\$,.17X,03X,												A
P	1251330		R/D25	= .DX/3												A
P	1251330			02Q07X												A
P	1251334		C/D25	= .CL-32P22												A
P	1251334			02Q09X												A
P	1251400		DAT25	=B.S25.EWDM-1.												A
P	1251400			21R19,13,17X,44X												A
P	1251410		/DAT25/	=-BCD*DAT25												A
P	1251410			22R\$.33												A
P	1251500		D1025	=-BCR*/D1025/												A
P	1251500			22Q38,\$												A
P	1251510		D1025/1	=FF												A
P	1251510			25Q31												A

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CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60		
	1252750		K25	=B**G26						A
P	1252750			16N27,\$,\$,50X						A
	1252751			+.G27.PR26						A
P	1252751			16N\$,47X,39X,						A
	1253050		KS25	=NS						A
P	1253050			18Q02						A
	1253100		KSP25	=NS						A
P	1253100			04R02						A
	1253110		NKSP25	=I.KSP25						A
P	1253110			12S19,13,17X,33X						A
	1253350		/LB25/	=BCD*P25						A
P	1253350			15R\$,35						A
	1253750		/LR25/	=BCD*B.RP25.NI0FM/1						J
P	1253750			13T\$,03,16S46,30,50X						A
	1254100		MB25	=BCR*/MB25/						A
P	1254100			25P36,\$						A
	1254150		/MB25/	=BCD*B.S25.MBX5/3						A
P	1254150			25P\$,37,25N25,23,29X						A
	1254900		P25	=FF						A
P	1254900			14R05X						A
	1254902		NP25	=NFF						A
P	1254902			14R22X,22X-19Q05C-19R05C-09N23T						A
	1254904		S/P25	=**KSP25.PXK-3						A
P	1254904			14R12X,12X,07,18X,						A
	1254906			+.PXTR.						A
P	1254906			14R12X,11,15X,						A
	1254907			+.NP25.PDC25.						A
P	1254907			14R12X,22X,04X,02X,12X,22X,23X,02X						A
	1254914		R/P25	=**PX-3						A
P	1254914			14R03X,03X,29X,						A
	1254915			+.PDC25.						A
P	1254915			14R03X,04X,02X						A
	1254918		C/P25	=CL-32P30						A
P	1254918			14R01X						A
	1254940		P25-1	=I.NP25.						A
P	1254940			13N26,24,29X,26-22P44T						A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L	
			1	2	3	4	5	6	7	8	9	10	11	12		
P	1254990		P25/L	=-LD**	.P25	.KDI-0										A
	1254990			04R\$	,\$,\$	,11	.29X,					\$,	12	.13X		A
P	1255500		PR25	=B**	.A25	.D25	.PRXAD/3									A
	1255500			02Q01X	,\$,\$	,24X	,28X	,29X,				\$,	28X	,27X		A
P	1255502															A
	1255502															A
P	1256200		RP25	=FF												A
	1256200			08Q31	,31-	19Q44C	-19R44C									A
P	1256202		NRP25	=NFF												A
	1256202			08Q26	,26-	18M36C	-18N36C	-10Q20C	-10R20C							A
P	1256204		S/RP25	=**	.S25	.RPXS										A
	1256204			08Q46X	,46X	,43	,36X,									A
P	1256210		R/RP25	=	.RPXS											A
	1256210			08Q44												A
P	1256212		C/RP25	=	.CL-32P24											A
	1256212			08Q01X												A
P	1256215		RP25/L	=-LD	.RP25											A
	1256215			02R\$	,35	,36X										A
P	1256220		W/RP083/25	=	.RW25											A
	1256220			09T34												A
P	1256222		W/RP183/25	=	.RW25											A
	1256222			10T34												A
P	1256224		W/RP283/25	=	.RW25											A
	1256224			11T34												A
P	1256226		W/RP383/25	=	.RW25											A
	1256226			12T34												A

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
	1256300		RR25	=BCR*/RRW25/												A
P	1256300			13T22	\$.22	-10Q40C-10R40C-06Q35T										A
	1256302			-HSM												A
P	1256302			01T41												A
	1256304			-HSM												A
P	1256304			02T41												A
	1256306			-HSM												A
P	1256306			03T41												A
	1256308			-HSM												A
P	1256308			04T41												A
	1256310			-HSM												A
P	1256310			05T41												A
	1256312			-HSM												A
P	1256312			06T41												A
	1256314			-HSM												A
P	1256314			07T41												A
	1256316			-HSM												A
P	1256316			08T41												A
	1256318			-HSM												A
P	1256318			09T41												A
	1256320			-HSM												A
P	1256320			10T41												A
	1256322			-HSM												A
P	1256322			11T41												A
	1256324			-HSM												A
P	1256324			12T41												A
	1256330		/RRW25/	=BCD*B.S25.RRWXS/3												A
P	1256330			13T\$.23,13S35,39,33X												A
	1256340		RW25	=B.S25.RWXS/3												A
P	1256340			10S35,39,33X,35-06T40T												B
	1256500		S25	=I.K25.PR25.SXADD-3A												A
P	1256500			02Q17X,38X,01X,50X,17X-24Q13C-24R13C-11S39T												A
	1256502			B*+.K25.SXADD-3A												A
P	1256502			02Q17X, \$. \$, 38X, 50X,												A
	1256504			+.B25.SXB-3												A
P	1256504			02Q\$.47,45X,												A
	1256506			+.P25-1.SXP-3												A
P	1256506			02Q\$.44,43X												A
	1256560		S25/L	=LD*+.S25.KDI-0												A
P	1256560			18Q\$. \$. \$, 34, 29X,												A
	1260100		A26	=FF												A
P	1260100			14Q31												A
	1260104		NA26	=NFF												A
P	1260104			14Q29												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L					
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			21	22	23	24	25	26	27	28	29	30
	1260110	S/A26	=+.KS26.AXK-3										+.A2.AXAR24											A					
P	1260110		14Q37X,16Q11X,23,\$.										11X,34X,10X											A					
	1260112		+.S25.AXS-3										+.S27.AXSL1-3											A					
P	1260112		16Q11X,45X,37X,										11X,44X,\$											A					
	1260114		+.S25.AXSR1-3										+.S24.AXSR2-3											A					
P	1260114		16Q11X,17X,\$.										11X,05X,\$											A					
	1260116		+.RR26.AXRR/3										+.D1026/1.AXD10-3											A					
P	1260116		14Q37X,24X,39X,										37X,47,38X											A					
	1260118		+.CC3.AXFC										+.MFL2.AXPARITY											A					
P	1260118		14Q37X,03,08X,										37X,07,09X											A					
	1260120		+.RP26.AXPSW2										+.A26L.AXLOAD-3											A					
P	1260120		14Q37X,50,41X,										37X,11,18X											A					
	1260122		+.RR25.GND2614																					A					
P	1260122		14Q37X,40X,33X																					A					
	1260130	R/A26	=.AX/3																					A					
P	1260130		14Q02																					A					
	1260134	C/A26	=.CL-32P33																					A					
P	1260134		14Q01																					A					
	1260140	NA26-1	=I.A26																					A					
P	1260140		03Q\$,18X																					A					
	1260150	A26L	=B+.(P29.NP30.NP31).KUA26+.(NP30.P31)..																					A					
P	1260150		26N42,\$\$,28X,29,										\$,40,50,39X,42-17Q11T											A					
	1260152		+.A1L.																					A					
P	1260152		26N\$,43,44X																					A					
	1260300	B26	=FF																					A					
P	1260300		07Q30																					A					
	1260304	NB26	=NFF																					A					
P	1260304		07Q29,29-31Q29C-02F29C																					A					
	1260310	S/B26	=+.B27.BXBL1-3										+.B25.BXBR1-3											A					
P	1260310		07Q41X,09Q11X,44X,\$,11X,17X,\$																					A					
	1260312		+.B24.BXBR2-3										+.S26.BXS-3											A					
P	1260312		09Q11X,05X,\$,										11X,23,\$											A					
	1260314		+.P26-1.BXP-3										+.B26.BXBGND-3											A					
P	1260314		07Q41X,42,36X,										09Q11X,45X,37X											A					
	1260316		+.FP26.BXFP-3										+.GND2607											A					
P	1260316		09Q11X,34,10X,										07Q41X,37X											A					
	1260330	R/B26	=.BX-3																					A					
P	1260330		07Q40																					A					
	1260334	C/B26	=.CL-32P22																					A					
P	1260334		07Q01X																					A					

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2	3	4	5	6	7	8	9	10
P	1263750		/LR26/	=-BCD*B.RP26 .NIOFM/1					J
	1263750			13T\$.09.16S44.42.50X					A
P	1264100		MB26	=-BCR*/MB26/					A
	1264100			25P40.\$					A
P	1264150		/MB26/	=-BCD*B.S26.MBXS/3					A
	1264150			25P\$.39.25N27.22.29X					A
P	1264900		P26	=FF					A
	1264900			16R33					A
P	1264902		NP26	=NFF					A
	1264902			16R40X,40X-10Q10C-10R10C-19N19T					B
P	1264904		S/P26	=*+.KSP26.PXK-3				+ .S26.PXS-3	A
	1264904			16R36X,36X,37,18X,36X,46,34X					A
P	1264906			+ .GND2716 .PXTR				+ .INT3.PXINT	A
	1264906			16R36X,39,15X, 36X,44,35					A
P	1264907			+ .NP26.P27.P28.P29.PUC29					A
	1264907			16R36X,40X,25X,47X,45X,23X					A
P	1264908			+ .NP26.NP27.NP28.NP29.PDC29					A
	1264908			16R36X,40X,26X,28X,27X,04X					A
P	1264910			+ .(S/P26).					A
	1264910			17S22,23,29X					A
P	1264914		R/P26	=*+.PX-3				+ .P27.P28.P29.PUC29	A
	1264914			16R30X,30X,29X, 30X,25X,47X,45X,43X					A
P	1264915			+ .NP27.NP28.NP29.PDC29					A
	1264915			16R30X,26X,28X,27X,04X					A
P	1264918		C/P26	= .CL-32P30					A
	1264918			16R01X					A
P	1264930		(S/P26)	=I.N(FAIO.PH1).NRESET/C.N(PCP4.KFILL/B)					A
	1264930			32F06,14,08,07,06-03F21C-32S21C-19S24T					A
P	1264940		P26-1	=I.NP26.					A
	1264940			13N34,40,33X,34-06Q41T					A
P	1264990		P26/L	=-LD*+.P26 .KDI-0				+ .IOFM.NKDI-0	A
	1264990			04R\$.\$.\$.18,29X, \$.19,13X					A
P	1265500		PR26	=B*+.A26.D26.PRXAD/3				+ .NA26-1.D26.PRXNAD/3	A
	1265500			03Q02X,\$.\$.18X,23X,29X, \$.\$.23X,27X					A
P	1265502			+ .A26:ND26.PRXAND/3				+ .NA26-1.ND26.PRXNAND/3	A
	1265502			03Q\$.18X,\$.20X, \$.\$.\$.26X					A
P	1266200		RP26	=FF					A
	1266200			08Q30,30-10M26C-10N26C-10Q31C-10R31C					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS		PINS		REMARKS		C/L	
			1 2 3 4 5 6 7 8 9	10 11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29	30 31 32 33 34 35 36 37 38 39	40 41 42 43 44 45 46 47 48 49	50 51 52 53 54 55 56 57 58 59		60 61 62 63 64 65 66 67 68 69	70
	1266300	RR26		=-BCR*/RRW26/						A
P	1266300			13T27,\$.27-10Q24C-10R24C-06Q40T						A
	1266302			-HSM						A
P	1266302			01T09						A
	1266304			-HSM						A
P	1266304			02T09						A
	1266306			-HSM						A
P	1266306			03T09						A
	1266308			-HSM						A
P	1266308			04T09						A
	1266310			-HSM						A
P	1266310			05T09						A
	1266312			-HSM						A
P	1266312			06T09						A
	1266314			-HSM						A
P	1266314			07T09						A
	1266316			-HSM						A
P	1266316			08T09						A
	1266318			-HSM						A
P	1266318			09T09						A
	1266320			-HSM						A
P	1266320			10T09						A
	1266322			-HSM						A
P	1266322			11T09						A
	1266324			-HSM						A
P	1266324			12T09						A
	1266330	/RRW26/		=-BCD*B.S26.RRWXS/3						A
P	1266330			13T\$.25,13S41,38,33X						A
	1266340	RW26		=B.S26.RWXS/3						A
P	1266340			10S41,38,33X,41-06R37T						B
	1266500	S26		=1.K26.PR26.SXADD-3A						A
P	1266500			03Q19X,46X,02X,50X,19X-24Q10C-24R10C-11S38T						A
	1266502			B*+.K26.SXADD-3A						A
P	1266502			03Q19X,\$.\$.46X,50X,						A
	1266504			+ .B26.SXB-3						A
P	1266504			03Q\$.33,45X,						A
	1266506			+ .P26-1.SXP-3						A
P	1266506			03Q\$.42,43X						A
	1266560	S26/L		=-LD*+.S26.KDI-0						A
P	1266560			18Q\$.\$.\$.28,29X,						A
	1270100	A27		-FF						A
P	1270100			14Q27						A
	1270104	NA27		-NFF						A
P	1270104			14Q22						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS												PINS												REMARKS	C/L																															
			1	2	3	4	5	6	7	8	9	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1270110	S/A27	=+.KS27.AXK-3												+.A3.AXAR24													A																															
	1270110		14Q35X,16Q38X,25,\$.												38X,28,10X													A																															
P	1270112		+.S27.AXS-3												+.S28.AXSL1-3													A																															
	1270112		16Q38X,44X,37X,												38X,35X,\$													A																															
P	1270114		+.S26.AXSR1-3												+.S25.AXSR2-3													A																															
	1270114		16Q38X,45X,\$.												38X,17X,\$													A																															
P	1270116		+.RR27.AXRR/3												+.D1027/1.AXDIO-3													A																															
	1270116		14Q35X,36,39X.												35X,45,38X													A																															
P	1270118		+.CC4.AXFC												+.MFL3.AXPARITY													A																															
	1270118		14Q35X,05,08X.												35X,10,09X													A																															
P	1270120		+.RP27.AXPSW2												+.A27L.AXLOAD-3													A																															
	1270120		14Q35X,43,41X.												35X,14,18X													A																															
P	1270122		+.RR26.GND2614																									A																															
	1270122		14Q35X,24,33X																									A																															
P	1270124		+.AXCC.CCZ.																									A																															
	1270124		11Q13,11,12,15X																									A																															
P	1270130	R/A27	=.AX/3																									A																															
	1270130		14Q02																									A																															
P	1270134	C/A27	=.CL-32P33																									A																															
	1270134		14Q01																									A																															
P	1270140	NA27-1	=.I.A27																									A																															
	1270140		03Q\$,24X																									A																															
P	1270150	A27L	=B+.(P29.NP30.NP31).KUA27												+.NP29.P30-1.													A																															
	1270150		26N41,\$,\$,28X,27,												\$,37,38,39X,41-17Q14T													A																															
P	1270152		+.GND2426.																									A																															
	1270152		26N\$,45,44X																									A																															
P	1270300	B27	=FF																									A																															
	1270300		07Q33																									A																															
P	1270304	NB27	=NFF																									A																															
	1270304		07Q34,34-31Q34C-02F34C-22E40T																									A																															
P	1270310	S/B27	=+.B28.BXBL1-3												+.B26.BXBR1-3													A																															
	1270310		07Q39X,09Q38X,35X,\$,38X,45X,\$																									A																															
P	1270312		+.B25.BXBR2-3												+.S27.BXS-3													A																															
	1270312		09Q38X,17X,\$.												38X,25,\$													A																															
P	1270314		+.P27-1.BXP-3												+.B27.BXBGND-3													A																															
	1270314		07Q39X,35,36X,												09Q38X,44X,37X													A																															
P	1270316		+.FP27.BXFP-3												+.GND2607													A																															
	1270316		09Q38X,28,10X,												07Q39X,37X													A																															
P	1270330	R/B27	=.BX-3																									A																															
	1270330		07Q38																									A																															
P	1270334	C/B27	=.CL-32P22																									A																															
	1270334		07Q01X																									A																															

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	23456789	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1270355		B27/1	=I.NB27	.NPCP2											A
P	1270355			21E34,40,33X,34	-23C43C-23D43C-22B15T											A
P	1270500		C27	=FB*+.C27.HOLDC-3						+ .S27.CXS-3						A
P	1270500			03Q05X, \$. \$.05X, 40X.						\$.17X, 31X, 05X-06Q04T						A
P	1270502			+ .MB27.CXMB-3						+ .RR27.CXRR-3						A
P	1270502			03Q\$.30, 34X.						\$.35, 37X						A
P	1271300		D27	=FF												A
P	1271300			03Q28X, 28X-24M30C-24N30C-24L11T												A
P	1271304		ND27	=NFF												A
P	1271304			03Q\$												A
P	1271310		S/D27	=*+.C27.DXC-3						+ .C28.DXCL1-3						A
P	1271310			03Q\$. \$.05X, 08X.						\$.10X, 14X						A
P	1271312			+ .S27.DXS/3						+ .D19.DXDR8-3						A
P	1271312			03Q\$.17X, 03X.						\$.12, 11X						A
P	1271330		R/D27	= .DX/3												A
P	1271330			03Q07X												A
P	1271334		C/D27	= .CL-32P22												A
P	1271334			03Q09X												A
P	1271400		DAT27	=B*+.S27.EWDM-1.						+ .(AIB.LEVACT)						A
P	1271400			23R47, \$. \$.28, 35X, 36, \$.30, 29, 41X												A
P	1271410		/DAT27/	=-BCD*DAT27												A
P	1271410			22R\$.37												A
P	1271500		D1027	=-BCR*/D1027/.												A
P	1271500			22Q42, \$												A
P	1271510		D1027/1	=FF												A
P	1271510			25Q33												A
P	1271511		ND1027/1	=NFF												A
P	1271511			25Q34												A
P	1271512		S/D1027/1	=*+.D1027.D10XD10-3						+ .GND2625						A
P	1271512			25Q39X, 39X, 35, 36X.						39X, 37X						A
P	1271513			+ .S27.D10XS-3.												A
P	1271513			23Q17, 18, 15X, 06X												A
P	1271517		R/D1027/1	= .D10X-3												A
P	1271517			25Q38												A
P	1271518		C/D1027/1	= .CL-32P26												A
P	1271518			25Q01X												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	23456789	0	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1271520		/D1027/	=-BCD*D1027/1 22Q\$,45										A		
P	1272100		FP27	=I.S27.FPXS-1 23P36,37,33X,36-32L29C-14M13C-14N13C-31L29T										A		
P	1272500		G27	=B*+.A27.D27.GXAD-3 +.NA27-1.D27.GXNAD-3 03Q04,\$.\$.24X,28X,21X,\$.\$.28X,22X										A		
P	1272502			+.A27.ND27.GXAND-3 03Q\$,24X,\$.25X										A		
P	1272600		W/I01B3/27	=.RW27 05T12										A		
P	1272602		W/I02B3/27	=.RW27 06T12										A		
P	1272604		W/I03B3/27	=.RW27 07T12										A		
P	1272606		W/I04B3/27	=.RW27 08T12										A		
P	1272610		W/I01B4/27	=.RW19 01T12										A		
P	1272612		W/I02B4/27	=.RW19 02T12										A		
P	1272614		W/I03B4/27	=.RW19 03T12										A		
P	1272616		W/I04B4/27	=.RW19 04T12										A		
P	1272750		K27	=B*+.G2831 15N20,\$.\$.06X +.K31.PR2831										A		
P	1272751			15N\$,08X,07X										A		
P	1273050		KS27	=-NS 18Q04										A		
P	1273100		KSP27	=-NS 04R08										A		
P	1273110		NKSP27	=I.KSP27 12S21,15,17X,05X										A		
P	1273350		/LB27/	=-BCD*P27 15R\$,39										A		

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L	
	1 2345678	9 10 123456789	20 23456789	30 23456789	40 23456789	50 23456789	60 23456789	70
P	1276340		RW27	=B.S27.RWXS/3				A
P	1276340			10S36,37,33X,36-06R01T				B
P	1276500		S27	=I.K27.PR27.SXADD-3A				A
P	1276500			03Q17X,38X,01X,50X,17X-24	Q18C-24R18C-11S37T			A
P	1276502			B*+.K27.SXADD-3A	+ .PR27			A
P	1276502			03Q17X, \$. \$, 38X, 50X,	\$.01X			A
P	1276504			+ .B27.SXB-3	+ .C27.SXC-3			A
P	1276504			03Q\$.47,45X,	\$.05X,41X			A
P	1276506			+ .P27-1.SXP-3				A
P	1276506			03Q\$.44,43X				A
P	1276560		S27/L	=-LD*+.S27.KD1-0	+ .FP27.NKD1-0			A
P	1276560			18Q\$. \$. \$.26,29X,	\$.25,23X			A
P	1280100		A28	=FF				A
P	1280100			15Q23				A
P	1280104		NA28	=NFF				A
P	1280104			15Q25				A
P	1280110		S/A28	=*+.KS28.AXK-3	+ .A4.AXAR24			A
P	1280110			15Q12X,16Q39X,33, \$.	39X,26,10X			A
P	1280112			+ .S28.AXS-3	+ .S29.AXSL1-3			A
P	1280112			16Q39X,35X,37X,	39X,14X, \$.			A
P	1280114			+ .S27.AXSR1-3	+ .S26.AXSR2-3			A
P	1280114			16Q39X,44X, \$.	39X,45X, \$.			A
P	1280116			+ .RR28.AXRR/3	+ .DIO28/1.AXDIO-3			A
P	1280116			15Q12X,26X,39X,	12X,34,38X			A
P	1280118			+ .CC1.AXCC	+ .MFL4.AXPARITY			A
P	1280118			15Q12X,46,41X,	12X,17,09X			A
P	1280120			+ .GND2615.AXFC	+ .A28L.AXLOAD-3			A
P	1280120			15Q12X,04,08X,	12X,20,18X			A
P	1280122			+ .R28.AXRR	+ .NR28.AXNR			A
P	1280122			13Q46X,37,12X,	46X,36,38X			A
P	1280124			+ .TR28.AXTR	+ .GND2615			A
P	1280124			13Q46X,35,34X,	15Q12X,30,33X			A
P	1280130		R/A28	= .AX/3				A
P	1280130			15Q02				A
P	1280134		C/A28	= .CL-32P33				A
P	1280134			15Q01				A
P	1280140		NA28-1	=I.A28				A
P	1280140			04Q\$.18X				A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L
1	2	3	4	5	6	7	8
10	11	12	13	14	15	16	17
20	21	22	23	24	25	26	27
30	31	32	33	34	35	36	37
40	41	42	43	44	45	46	47
50	51	52	53	54	55	56	57
60	61	62	63	64	65	66	67
70	71	72	73	74	75	76	77
P	1280150	A28L	=	B*+. (P29.NP30.NP31).KUA28		+ .P28-1.	A
				26P22, \$., \$11, 12.		\$.06, 07, 22-22P42T	A
P	1280152			+ .NP29. (P30.NP31)...		+ .NP29. (NP30.P31)...	A
P	1280152			26P\$. 20, 19, 18, 21X.		\$.09, 10, 08, 21X	A
P	1280154			+ .GND2526..			A
P	1280154			26P\$. 13, 05, 04X			A
P	1280300	B28	=	FF			A
P	1280300			07Q02			A
P	1280304	NB28	=	NFF			A
P	1280304			07Q21			A
P	1280310	S/B28	=	+ .B29.BXBL1-3		+ .B27.BXBR1-3	A
P	1280310			07Q18X, 09Q39X, 14X, \$., 39X, 44X, \$.,			A
P	1280312			+ .B26.BXBR2-3		+ .S28.BXS-3	A
P	1280312			09Q39X, 45X, \$.,		39X, 33, \$	A
P	1280314			+ .P28-1.BXP-3		+ .B28.BXBGND-3	A
P	1280314			07Q18X, 25, 10X,		09Q39X, 35X, 37X	A
P	1280316			+ .FP28.BXFP-3		+ .GND2607	A
P	1280316			09Q39X, 26, 10X, 07Q18X, 17X			A
P	1280330	R/B28	=	.BX-3			A
P	1280330			07Q23			A
P	1280334	C/B28	=	.CL-32P22			A
P	1280334			07Q01X			A
P	1280500	C28	=	FB*+. C28.HOLDC-3		+ .S28.CXS-3	A
P	1280500			04Q15X, \$., \$15X, 40X.		\$.19X, 31X, 15X-06Q09T	A
P	1280502			+ .MB28.CXMB-3		+ .RR28.CXRR-3	A
P	1280502			04Q\$. 36, 34X.		\$.39, 37X	A
P	1281300	D28	=	FF			A
P	1281300			04Q23X, 23X-24M31C-24N31C-24L15T			A
P	1281304	ND28	=	NFF			A
P	1281304			04Q\$.			A
P	1281310	S/D28	=	+ .C28.DXC-3		+ .C29.DXCL1-3	A
P	1281310			04Q\$. \$.15X, 08X.		\$.05X, 14X	A
P	1281312			+ .S28.DXS/3		+ .D20.DXDR8-3	A
P	1281312			04Q\$. 19X, 03X.		\$.13, 11X	A
P	1281330	R/D28	=	.DX/3			A
P	1281330			04Q07X			A
P	1281334	C/D28	=	.CL-32P22			A
P	1281334			04Q09X			A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L						
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
P	1281400		DAT28 =B**S28.EWDM-1. +.LEVARM . .										A						
P	1281400		23R44, \$, \$, 34, 35X, 33, \$, 43, 42, 41X										A						
P	1281410		/DAT28/ =-BCD*DAT28										A						
P	1281410		22R\$, 39										A						
P	1281500		DI028 =-BCR*/DI028/										A						
P	1281500		26Q04, \$										A						
P	1281510		DI028/1 =FF										A						
P	1281510		25Q02										A						
P	1281511		NDI028/1 =NFF										A						
P	1281511		25Q21										A						
P	1281512		S/DI028/1 =++.DI028.DI0XD10-3 +.GND2625										A						
P	1281512		25Q18X, 18X, 25, 10X, 18X, 17X										A						
P	1281513		+.S28.DI0XS-3..										A						
P	1281513		23Q14, 21, 15X, 19X, 01										A						
P	1281517		R/DI028/1 =.DI0X-3										A						
P	1281517		25Q23										A						
P	1281518		C/DI028/1 =.CL-32P26										A						
P	1281518		25Q01X										A						
P	1281520		/DI028/ =-BCD*DI028/1										A						
P	1281520		26Q\$, 01										A						
P	1282100		FP28 =1.S28.FPXS-1										A						
P	1282100		23P47, 31, 50X, 47-32L30C-14M14C-14N14C-31L30T										A						
P	1282500		G28 =B**A28.D28.GXAD-3 +.NA28-1.D28.GXNAD-3										A						
P	1282500		04Q06X, \$, \$, 18X, 23X, 21X, \$, \$, 23X, 22X										A						
P	1282502		+.A28.ND28.GXAND-3										A						
P	1282502		04Q\$, 18X, \$, 25X										A						
P	1282600		W/101B3/28 =.RW28										A						
P	1282600		05T33										A						
P	1282602		W/102B3/28 =.RW28										A						
P	1282602		06T33										A						
P	1282604		W/103B3/28 =.RW28										A						
P	1282604		07T33										A						
P	1282606		W/104B3/28 =.RW28										A						
P	1282606		08T33										A						
P	1282610		W/101B4/28 =.RW20										A						
P	1282610		01T33										A						

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																																													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	1282612		W/I02B4/28=.RW20																					A																																													
P	1282612		02T33																					A																																													
P	1282614		W/I03B4/28=.RW20																					A																																													
P	1282614		03T33																					A																																													
P	1282616		W/I04B4/28=.RW20																					A																																													
P	1282616		04T33																					A																																													
P	1282750		K28 =B*+.G29																					A																																													
P	1282750		16N19,\$,\$.04X																					A																																													
P	1282751		+.G30.PR29										+.G31.PR29.PR30											A																																													
P	1282751		16N\$.01X,10X,										\$,.06X,10X,09X											A																																													
P	1282752		+.K31.PR29.PR30.PR31																					A																																													
P	1282752		16N\$.08X,10X,09X,07X																					A																																													
P	1283050		KS28 =-NS																					A																																													
P	1283050		18Q07																					A																																													
P	1283100		KSP28 =-NS																					A																																													
P	1283100		04R44																					A																																													
P	1283110		NKSP28 =I.KSP28 . .																					A																																													
P	1283110		12S01,11,05X,33X																					A																																													
P	1283350		/LB28/ =-BCD*P28																					A																																													
P	1283350		15R\$.45																					A																																													
P	1283700		LR28-0 =B*+.R28.LRXR																					A																																													
P	1283700		26P14,\$,\$,17,15,14-10Q14C-10R14C-11S07T																					A																																													
P	1283702		+.P28-1.CROSSEN..																					A																																													
P	1283702		26P\$.01,03,02,04X																					A																																													
P	1283710		LR28-1 =B.LR28-0.																					A																																													
P	1283710		25N36,37,33X,36-24M36C-24N36C-09K08T																					A																																													
P	1283715		LR28-2 =B.LR28-0..																					A																																													
P	1283715		13S06,07,08,14																					A																																													
P	1283720		NLR28-0 =I.LR28-0																					A																																													
P	1283720		08N11,12,11-19Q28C-19R28C-05S42T																					A																																													
P	1283730		NLR28-1 =I.LR28-0.																					A																																													
P	1283730		08N47,31,50X,47-10M47C-10N47C-16L01T																					A																																													
P	1283735		NLR28-2 =B.NLR28-0																					A																																													
P	1283735		16S10,09																					A																																													
P	1283750		/LR28/ =-BCD*LR28-2																					A																																													
P	1283750		09S\$.01																					A																																													

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L						
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
P	1283755		/NLR28/ =-BCD*NLR28-2 09S\$,02										A						
P	1284100		MB28 =-BCR*/MB28/ 18R04,\$,04-19Q04C-19R04C										A						
P	1284150		/MB28/ =-BCD*B.S28.MBXS/3 18R\$,01,21R01,11,06X,33X										A						
P	1284900		P28 =FF 16R19										A						
P	1284902		NP28 =NFF 16R21,21-19Q29C-19R29C-09N11T										A						
P	1284904		S/P28 =*+.KSP28.PXK-3 16R20X,20X,06,18X, 20X,08,34X +.S28.PXS-3 +.NP28.NP29.PDC29. +.INT5.PXINT										A						
P	1284906		16R20X,21X,22X,04X,02X,20X,09,35X +.TR28.PXTR										A						
P	1284908		16R20X,13,15X, 20X,21X,05X,23X,02X +.NP28.P29.PUC29.										A						
P	1284914		R/P28 =*+.PX-3 16R17X,17X,29X, 17X,22X,04X,02X +.P29.PUC29.										A						
P	1284915		16R17X,05X,23X,02X										A						
P	1284918		C/P28 =.CL-32P30 16R01X										A						
P	1284940		P28-1 =I.NP28. 13N41,38,33X,41-05M20C-05N20C-09K05T										A						
P	1284990		P28/L =-LD*+.P28.KD1-0 04R\$,,\$,22,29X, \$.21,20 +..GND2704										A						
P	1285500		PR28 =B*+.A28.D28.PRXAD/3 04Q02X,\$,\$,18X,23X,29X, \$.\$,23X,27X +.A28.ND28.PRXAND/3 +.NA28-1.D28.PRXNAD/3										A						
P	1285502		04Q\$,18X,\$,20X, \$.\$,,\$,26X +.NA28-1.ND28.PRXNAND/3										A						
P	1286200		R28 =FF 23M33,33-24M33C-24N33C-09N07T										A						
P	1286202		NR28 =NFF 23M40X,40X-14M40C-14N40C-31Q14C-02F14C-30E38T										A						

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																													
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	60	61	62	63	64	65	66
P	1286204		S/R28	=+.C8 .RXC										+.S28.RXS										A																		
P	1286204			23M36X,36X,37,18X,36X,46,34X																				A																		
P	1286206			+.GND2323.PRE3-H										+..GND2323										A																		
P	1286206			23M36X,39,15X,										36X,44,35X										A																		
P	1286208			+.RUC31.NR28.R29.R30.R31																				A																		
P	1286208			23M36X,43X,40X,25X,47X,45X																				A																		
P	1286209			+.RDC31.NR28.NR29.NR30.NR31																				A																		
P	1286209			23M36X,04X,40X,26X,28X,27X																				A																		
P	1286210		R/R28	=+.RX																				A																		
P	1286210																							A																		
P	1286211			+.RUC31.R29.R30.R31										+.RDC31.NR29.NR30.NR31										A																		
P	1286211			23M30X,43X,25X,47X,45X,30X,04X,26X,28X,27X																				A																		
P	1286212		C/R28	=.CL-32P12																				A																		
P	1286212			23M01X																				A																		
P	1286215		R28-1	=I.NR28																				A																		
P	1286215			31E41,38,33X,41-11D03C-11C03C-26A47T																				A																		
P	1286220		W/RP083/28	=.RW28																				A																		
P	1286220			09T33																				A																		
P	1286222		W/RP183/28	=.RW28																				A																		
P	1286222			10T33																				A																		
P	1286224		W/RP283/28	=.RW28																				A																		
P	1286224			11T33																				A																		
P	1286226		W/RP383/28	=.RW28																				A																		
P	1286226			12T33																				A																		

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	1286602		S/TR28	=	++. (FACAL.PHI.NTRAP.NSTRAP)					A
P	1286602				25A\$. \$.19					A
P	1286604				+.A5TRAP.					A
P	1286604				25A\$.10X.00					A
P	1286607		R/TR28	=	.(R/TR)					A
P	1286607				25A09					A
P	1286609		C/TR28	=	.CL-01E07					A
P	1286609				25A01X					A
P	1286625		(S/TR28)	=	I.N(S/TR28)					A
P	1286625				11B26.24.26-26A09T					A
P	1286630		N(S/TR28)	=	I.TRACC1.(FAPSD.PHI)					A
P	1286630				20C18.04.20X.18-16031					A
P	1290100		A29	=	FF					A
P	1290100				15Q19					A
P	1290104		NA29	=	NFF					A
P	1290104				15Q21					A
P	1290110		S/A29	=	++.KS29.AXK-3					A
P	1290110				15Q28X.16Q41X.09. \$.					A
P	1290112				+.S29.AXS-3					A
P	1290112				16Q41X.14X.37X.					A
P	1290114				+.S28.AXSR1-3					A
P	1290114				16Q41X.35X. \$.					A
P	1290116				+.RR29.AXRR/3					A
P	1290116				15Q28X.40X.39X.					A
P	1290118				+.CC2.AXCC					A
P	1290118				15Q28X.44.41X.					A
P	1290120				+.FS.AXFC					A
P	1290120				15Q28X.06.08X.					A
P	1290122				+.R29.AXR					A
P	1290122				13Q45X.42.12X.					A
P	1290124				+.TR29.AXTR					A
P	1290124				13Q45X.44.34X.					A
P	1290130		R/A29	=	.AX/3					A
P	1290130				15Q02					A
P	1290134		C/A29	=	.CL-32P33					A
P	1290134				15Q01					A
P	1290140		NA29-1	=	I.A29					A
P	1290140				04Q\$.24X					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1290150		A29L	=B**.	(P29.NP30.NP31).	KUA29	+	P29-1.P31-1.								A
	1290150			26N31,	\$. \$. 28X, 25.			\$, 36, 35, 39X, 31-22P41T								A
P	1290152			+ .AOL.												A
P	1290152			26NS,	47, 44X											A
P	1290300		B29	=FF												A
P	1290300			07Q04,	04-10N17C-10M17C											A
P	1290304		NB29	=NFF												A
P	1290304			07Q05,	05-31Q44C-02F44C-26F04T											A
P	1290310		S/B29	=**.	B30.BXBL1-3			+ .B28.	BXBR1-3							A
P	1290310			07Q03X,	09Q41X, 04X, \$,	41X,	35X, \$									A
P	1290312			+ .B27.	BXBR2-3			+ .S29.	BXS-3							A
P	1290312			09Q41X,	44X, \$,	41X,	09, \$									A
P	1290314			+ .P29-1.	BXP-3			+ .B29.	BXBGND-3							A
P	1290314			07Q03X,	24, 10X,	09Q41X,	14X, 37X									A
P	1290316			+ .FP29.	BXFP-3			+ .GND	2607							A
P	1290316			09Q41X,	24, 10X,	07Q03X,	17X									A
P	1290330		R/B29	= .BX-3												A
P	1290330			07Q22												A
P	1290334		C/B29	= .CL-32P22												A
P	1290334			07Q01X												A
P	1290340		B29-1	= I.NB29.												A
P	1290340			28F18,	04, 20X, 18-23D40C-23C40C-20A23T											A
P	1290500		C29	=FB**.	C29.HOLDC-3			+ .S29.	CXS-3							A
P	1290500			04Q05X,	\$. \$. 05X, 40X,			\$, 17X, 31X, 05X-06Q06T								A
P	1290502			+ .MB29.	CXMB-3			+ .RR29.	CXRR-3							A
P	1290502			04Q5,	30, 34X,			\$, 35, 37X								A
P	1291300		D29	=FF												A
P	1291300			04Q28X,	28X-24M34C-24N34C-24L17T											A
P	1291304		ND29	=NFF												A
P	1291304			04Q5												A
P	1291310		S/D29	=**.	C29.DXC-3			+ .C30.	DXCL1-3							A
P	1291310			04Q5,	\$. 05X, 08X,			\$, 10X, 14X								A
P	1291312			+ .S29.	DXS/3			+ .D21.	DXDR8-3							A
P	1291312			04Q5,	17X, 03X,			\$, 12, 11X								A
P	1291330		R/D29	= .DX/3												A
P	1291330			04Q07X												A
P	1291334		C/D29	= .CL-32P22												A
P	1291334			04Q09X												A

CODE	LINE NO.	CHK	LOGIC EQUATIONS / PINS / REMARKS										C/L		
	1 2 3 4 5 6 7 8 9	10	1 2 3 4 5 6 7 8 9	20	2 3 4 5 6 7 8 9	30	2 3 4 5 6 7 8 9	40	2 3 4 5 6 7 8 9	50	2 3 4 5 6 7 8 9	60	2 3 4 5 6 7 8 9	70	
P	1291400		1291400												A
P	1291400		1291400												A
P	1291410		1291410												A
P	1291410		1291410												A
P	1291500		1291500												A
P	1291500		1291500												A
P	1291510		1291510												A
P	1291510		1291510												A
P	1291511		1291511												A
P	1291511		1291511												A
P	1291512		1291512												A
P	1291512		1291512												A
P	1291513		1291513												A
P	1291513		1291513												A
P	1291517		1291517												A
P	1291517		1291517												A
P	1291518		1291518												A
P	1291518		1291518												A
P	1291520		1291520												A
P	1291520		1291520												A
P	1292100		1292100												A
P	1292100		1292100												A
P	1292500		1292500												A
P	1292500		1292500												A
P	1292502		1292502												A
P	1292502		1292502												A
P	1292600		1292600												A
P	1292600		1292600												A
P	1292602		1292602												A
P	1292602		1292602												A
P	1292604		1292604												A
P	1292604		1292604												A
P	1292606		1292606												A
P	1292606		1292606												A
P	1292610		1292610												A
P	1292610		1292610												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																													
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	60	61	62	63	64	65	66
	1300110	S/A30	=+.KS30.AXK-3										+.A6.AXAR24										A																			
P	1300110		15Q37X,16Q42X,19,\$.										42X,29,10X										A																			
	1300112		+.S30.AXS-3										+.S31.AXSL1-3										A																			
P	1300112		16Q42X,04X,37X,										42X,36X,\$										A																			
	1300114		+.S29.AXSR1-3										+.S28.AXSR2-3										A																			
P	1300114		16Q42X,14X,\$.										42X,35X,\$										A																			
	1300116		+.RR30.AXRR/3										+.D1030/1.AXD10-3										A																			
P	1300116		15Q37X,24X,39X,										37X,47,38X										A																			
	1300118		+.CC3.AXCC										+.MFL6.AXPARITY										A																			
P	1300118		15Q37X,50,41X,										37X,07,09X										A																			
	1300120		+.FZ.AXFC										+.A30L.AXLOAD-3										A																			
P	1300120		15Q37X,03,08X,										37X,11,18X										A																			
	1300122		+.R30.AXR										+.NR30.AXNR										A																			
P	1300122		13Q01X,11,12X,										01X,13,38X										A																			
	1300124		+.TR30.AXTR										+.RR29.GND2615										A																			
P	1300124		13Q01X,14,34X,										15Q37X,40X,33X										A																			
	1300130	R/A30	=.AX/3																				A																			
P	1300130		15Q02																				A																			
	1300134	C/A30	=.CL-32P33																				A																			
P	1300134		15Q01																				A																			
	1300140	NA30-1	=.A30																				A																			
P	1300140		05Q\$,18X																				A																			
	1300150	A30L	=.B.(P29.NP30.NP31).KUA30																				A																			
P	1300150		06P17,20X,01,17-22P40T																				A																			
	1300300	B30	=.FF																				A																			
P	1300300		08Q02,02-29M31C-29N31C-30M11T																				A																			
	1300304	NB30	=.NFF																				A																			
P	1300304		08Q21																				A																			
	1300310	S/B30	=+.B31.BXBL1-3										+.B29.BXBR1-3										A																			
P	1300310		08Q18X,09Q42X,36X,\$.										42X,14X,\$										A																			
	1300312		+.B28.BXBR2-3										+.S30.BXS-3										A																			
P	1300312		09Q42X,35X,\$.										42X,19,\$										A																			
	1300314		+.P30-1.BXP-3										+.B30.BXBGND-3										A																			
P	1300314		08Q18X,25,10X,										09Q42X,04X,37X										A																			
	1300316		+. (S/B3031)										+.FP30.BXFP-3										A																			
P	1300316		08Q18X,17X,										09Q42X,29,10X										A																			
	1300330	R/B30	=.BX-3																				A																			
P	1300330		08Q23																				A																			
	1300334	C/B30	=.CL-32P24																				A																			
P	1300334		08Q01X																				A																			

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																													
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	60	61	62	63	64	65	66
P	1304918		C/P30	=.CL-32P34 17R01X											A																											
P	1304918														A																											
P	1304940		P30-1	=I.NP30. 13N47,31,50X,47-28P02T											A																											
P	1304940														A																											
P	1304990		P30/L	=-LD*+.P30 .KD1-0 04R\$, \$, \$, 38, 29X,										+ .GND2704 \$, 37, 23X	A																											
P	1304990														A																											
P	1305500		PR30	=8*+.A30 .D30 .PRXAD/3 05Q02X, \$, \$, 18X, 23X, 29X,										+ .NA30-1 .D30 .PRXNAD/3 \$, \$, 23X, 27X	A																											
P	1305500														A																											
P	1305502			+.A30 .ND30 .PRXAND/3 05Q\$, 18X, \$, 20X,										+ .NA30-1 .ND30 .PRXNAND/3 \$, \$, \$, 26X	A																											
P	1305502														A																											
P	1306200		R30	=FF 23M19, 19-24M46C-24N46C-17Q09T											A																											
P	1306200														A																											
P	1306202		NR30	=NFF 23M21, 21-14M28C-14N28C-31Q15C-02F15C-30E41T											A																											
P	1306202														A																											
P	1306204		S/R30	=** .C10 .RXC 23M20X, 20X, 06, 18X, 20X, 08, 34X										+ .S30 .RXS +, .GND2323, PRE3-H +, .GND2323	A																											
P	1306204														A																											
P	1306206														A																											
P	1306206			23M20X, 13, 15X, 20X, 09, 35X											A																											
P	1306208			+.RUC31 .NR30 .R31. 23M20X, 23X, 21X, 05X, 02X, 20X, 04X, 21X, 22X, 02X										+ .RDC31 .NR30 .NR31.	A																											
P	1306208														A																											
P	1306210		R/R30	=** .RX 23M17X, 17X, 29X											A																											
P	1306210														A																											
P	1306211			+.RUC31 .R31. 23M17X, 23X, 05X, 02X, 17X, 04X, 22X, 02X										+ .RDC31 .NR31.	A																											
P	1306211														A																											
P	1306212		C/R30	=.CL-32P12 23M01X											A																											
P	1306212														A																											
P	1306215		R30-1	=I.NR30. 31E34, 40, 33X, 34-11D05C-11C05C-26A42T											A																											
P	1306215														A																											
P	1306220		W/RP083/30	=.RW30 09T17											A																											
P	1306220														A																											
P	1306222		W/RP183/30	=.RW30 10T17											A																											
P	1306222														A																											
P	1306224		W/RP283/30	=.RW30 11T17											A																											
P	1306224														A																											
P	1306226		W/RP383/30	=.RW30 12T17											A																											
P	1306226														A																											

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																													
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	60	61	62	63	64	65	66
	1306300		RR30	=-BCR*/RRW30/ 13T40, \$.40-10Q23C-10R23C-09N18T																														A								
P	1306300																																	A								
	1306302			-HSM																														A								
P	1306302			01T04																														A								
	1306304			-HSM																														A								
P	1306304			02T04																														A								
	1306306			-HSM																														A								
P	1306306			03T04																														A								
	1306308			-HSM																														A								
P	1306308			04T04																														A								
	1306310			-HSM																														A								
P	1306310			05T04																														A								
	1306312			-HSM																														A								
P	1306312			06T04																														A								
	1306314			-HSM																														A								
P	1306314			07T04																														A								
	1306316			-HSM																														A								
P	1306316			08T04																														A								
	1306318			-HSM																														A								
P	1306318			09T04																														A								
	1306320			-HSM																														A								
P	1306320			10T04																														A								
	1306322			-HSM																														A								
P	1306322			11T04																														A								
	1306324			-HSM																														A								
P	1306324			12T04																														A								
	1306330		/RRW30/	=-BCD*B.S30.RRWXS/3 13T\$.39,13S44,42,50X																														A								
P	1306330																																	A								
	1306340		RW30	=B.S30.RWXS/3 10S44,42,50X,44-06R33T																														A								
P	1306340																																	B								
	1306500		S30	=I.K30.PR30.SXADD-3B 05Q19X,46X,02X,50X,19X-24M08C-24N08C-24O28C-24R28C-11S42T																														A								
P	1306500																																	A								
	1306502			B*+.K30.SXADD-3B 05Q19X, \$. \$, 46X, 50X, \$.02X																														A								
P	1306502																																	A								
	1306504			+.B30.SXB-3 +.C30.SXC-3																														A								
P	1306504																																	A								
	1306506			05Q\$.33,45X, \$.15X,41X																														A								
P	1306506																																	A								
	1306506			+.P30-1.SXP-3 05Q\$.42,43X																														A								
P	1306506																																	A								
	1306530		S30/L	=B*+. (S/PH6/10).FL1 10P36, \$. \$, 26, 25, 36-18M31C-18N31C-24L08T																														A								
P	1306530																																	A								
	1306531			+.B0001EN/1.S30. 10P\$.29,28,27																														A								
P	1306531																																	A								
	1306560		S30/L	=-LD*+.S30.KDI-0 18Q\$. \$. \$, 11, 29X, \$.12, 13X																														A								
P	1306560																																	A								

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	1310500		C31	=FB*+.C31.HOLDC-3				+ .S31.CXS-3		A
	1310500			05Q05X,\$.05X,40X,				\$.17X,31X,05X-06Q03T		A
P	1310502			+ .MB31.CXMB-3				+ .RR31.CXRR-3		A
P	1310502			05Q\$.30,34X,				\$.35,37X		A
P	1311300		D31	=FF						A
P	1311300			05Q28X,28X-14M20C-14N20C						A
P	1311304		ND31	=NFF						A
P	1311304			05Q\$						A
P	1311310		S/D31	=*+.C31.DXC-3				+ .GND2605.DXCL1-3		A
P	1311310			05Q\$,\$.05X,08X,				\$.10X,14X		A
P	1311312			+ .S31.DXS/3				+ .D23.DXDR8-3		A
P	1311312			05Q\$,.17X,03X,				\$.12,11X		A
P	1311330		R/D31	= .DX/3						A
P	1311330			05Q07X						A
P	1311334		C/D31	= .CL-32P22						A
P	1311334			05Q09X						A
P	1311400		DAT31	=B.S31.EWDM-1.						A
P	1311400			21R21,15,17X,05X						A
P	1311410		/DAT31/	=-BCD*GND2427						A
P	1311410			27N\$.02						A
P	1311420		/DAT31E/	=-BCD*GND2831						A
P	1311420			31S\$.02						A
P	1311430		/DAT31I/	=-BCD*DAT31						A
P	1311430			26S\$.02						A
P	1311500		DIO31	=-BCR*/DIO31/						A
P	1311500			26Q10,\$						A
P	1311510		DIO31/1	=FF						A
P	1311510			25Q06						A
P	1311511		NDIO31/1	=NFF						A
P	1311511			25Q07						A
P	1311512		S/DIO31/1	=*+.DIO31.DIOXDIO-3				+.(S31.DIOXS)		A
P	1311512			25Q\$,\$.08,10X,				\$.19		A
P	1311517		R/DIO31/1	= .DIOX-3						A
P	1311517			25Q09						A
P	1311518		C/DIO31/1	= .CL-32P26						A
P	1311518			25Q01X						A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L									
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1312770			N(S/K31) = B.N(S/SXAMD).N(S/SXDMA).N(S/SXMA)												A
	1312770			10E07,01,02,06,07-01D36C-32N36C-13P03T												A
P	1312772			B.N(S/SXMD).N(S/SXAPI).N(S/SXDP1)												A
	1312772			16F14,21,20,29												A
P	1312774			I.FADW/1.PH2-E												A
	1312774			17E45,39,42												A
P	1312778			(S/K31/2)=I												A
	1312778			18E04,04-01D35C-32N35C-19N36T												A
P	1312780			N(S/K31/1)=I.K00.(S/K31/3)												A
	1312780			20N35,38,43,35-09N28T												A
P	1312782			I.(S/K31/2).(S/K31/3)												A
	1312782			20N36,44,37												A
P	1312790			(S/K31/2)=I++.FUSF.PH9-D												A
	1312790			18E04,\$.\$.06X,07, \$.11,10,09,08,14X												A
P	1312795			(S/K31/3)=I.FADW/1.PH2-E.NFL3												A
	1312795			30D33,26,25,27,33-01D34C-32N34C-19N35T												A
P	1312796			I.FALOAD/A-1.PH3-D.NFL3												A
	1312796			30D12,06,05,07												A
P	1313050			KS31 =-NS												A
	1313050			18Q42												A
P	1313100			KSP31 =-NS												A
	1313100			04R43												A
P	1313110			NKSP31 =I.KSP31												A
	1313110			12S03,07,06X,05X												A
P	1313350			/LB31/ =-BCD*P31												A
	1313350			18R\$.19												A
P	1313700			LR31-0 =B*+.R31.LRXR.												A
	1313700			26P30,\$.\$.46,31,29X,30-19Q34C-19R34C-06R08T												B
P	1313701			+ .P31-1.CROSSEN.												A
	1313701			26P\$.47,50,29X												A
P	1313702			+ .D14.LRXD.												A
	1313702			26P\$.42,45,33X, \$.43,41,44,40X												A
P	1313710			LR31-1 =B.LR31-0												A
	1313710			26N05,03,05-24M05C-24N05C-09K40T												A
P	1313715			LR31-2 =B.LR31-0												A
	1313715			13S10,09												A
P	1313720			NLR31F =FF												A
	1313720			11P06												A
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS	REMARKS	C/L
			10	20	30				40	50	60	70
P	1314100		MB31	=-BCR*/MB31/ 18R10,\$,10	-19Q10C-19R10C			A
P	1314150		/MB31/	=-BCD*B.S31.MBXS/3 . 18R\$,09,21R03,07,06X,05X				A
P	1314900		P31	=FF 17R25X				A
P	1314902		NP31	=NFF 17R26X,26-10Q11C-10R11C-09N09T				A
P	1314904		S/P31	=*+.KSP31.PXK-3 17R31X,31X,50,18X,31X,42,34X	+ .S31.PXS-3			A
P	1314905			+ .NP31.(P32.P33+PUC31).PUC3033. 17R31X,26X,45X,23X,47X				A
P	1314906			+ .NP31.PDC3033.(NP32.NP33+PDC31). 17R31X,26X,04X,28X,27X				A
P	1314908			+ .TR31.PXTR 17R31X,38,15X,	+ .INT8.PXINT 31X,41,35X			A
P	1314910			+.(S/P31/1).. 17S17,18,06X,15X				A
P	1314914		R/P31	=*+.PX-3 17R24X,24X,29X,24X,45X,23X,47X	+.(P32.P33+PUC31).PUC3033.			A
P	1314915			+ .PDC3033.(NP32.NP33+PDC31). 17R24X,04X,28X,27X				A
P	1314918		C/P31	= .CL-32P34 17R01X				A
P	1314930		(S/P31/1)=	B*+.RESET/C . . . 12F44,\$,\$,42,43,41X,\$,34,33,35X,44-	+ .FADW.PRE/12. 03F23C-32S23C-19S21T			A
P	1314932			I*+. (04.05).NRESET/C 18F19,\$,\$,15,06X,	+ .0U1.0LB.NRESET/C.. \$.12,13,17,18,14X			A
P	1314940		P31-1	=I.NP31.. 13N46,30,50X,46-24M37C-24N37C-09K44T				A
P	1314990		P31/L	=-LD*+.P31.KDI-0 04R\$,,\$,28,29X,	+ .GND2704 \$,30,23X			A
P	1315500		PR31	=B*+.A31.D31.PRXAD/3 05Q01X,\$,\$,24X,28X,29X,	+ .NA31-1.D31.PRXNAD/3 \$,,\$,28X,27X			A
P	1315502			+ .A31.ND31.PRXAND/3 05Q\$,24X,\$,20X,	+ .NA31-1.ND31.PRXNAND/3 \$,,\$,\$,26X			A
P	1316200		R31	=FF 23M05X,05X-14M45C-14N45C-28P10T				A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L									
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1324901		NP32	=NFF												A
P	1324901			17R21X												A
P	1324902		S/P32	=++.GND2717.PXK-3		+ .P32HOLD		.PXS-3								A
P	1324902			17R20X, 20X, 06, 18X, 20X, 08, 34X												A
P	1324904			+ .GND2717.PXTR		+ .GND2717.PXINT										A
P	1324906			17R20X, 13, 15X, 20X, 09, 35X												A
P	1324906			+ .A30.AXSR2-4.		+ .A31.IXAL.AXSR1-4.										A
P	1324908			17S37X, 39, 38, 35X,		37X, 31X, 36, 30, 35X										A
P	1324908			+ .A8. (10PH0.SW12)..												A
P	1324910			17S47X, 50, 46X, 42X, 43X												A
P	1324910			+ .PUC3033. (NPDC31.NPUC31).NP32.P33												A
P	1324912			17R20X, 23X, 02X, 21X, 05X												A
P	1324912			+ .PDC3033. (NPDC31.NPUC31).NP32.NP33												A
P	1324912			17R20X, 04X, 02X, 21X, 22X												A
P	1324914		R/P32	=++.PX-3												A
P	1324914			17R17X, 17X, 29X												A
P	1324916			+ .PUC3033. (NPDC31.NPUC31).P33												A
P	1324916			17R17X, 23X, 02X, 05X												A
P	1324917			+ .PDC3033. (NPDC31.NPUC31).NP33												A
P	1324917			17R17X, 04X, 02X, 22X												A
P	1324918		C/P32	= .CL-32P34												A
P	1324918			17R01X												A
P	1324919		P32-1	=B.P32.												A
P	1324919			30N28, 21, 29X, 28-32Q40C-01C40C-31D40C-31C40C-19E12T												A
P	1324920		NP32-1	=I.P32-1.												A
P	1324920			04F45, 43, 50X, 45-31D25C-31C25C-26A41T												A
P	1331510		D1033/1	=FF												A
P	1331510			27Q31												A
P	1331511		ND1033/1	=NFF												A
P	1331511			27Q26												A
P	1331512		S/D1033/1	=++.B17.D10XB-2		+ .GND2627										A
P	1331512			27Q46X, 46X, 43, 36X,		46X, 37X										A
P	1331517		R/D1033/1	= .D10XB-12												A
P	1331517			27Q44												A
P	1331518		C/D1033/1	= .CL-32P28												A
P	1331518			27Q01X												A
P	1331520		/D1033/	=-BCD*D1033/1												A
P	1331520			29Q\$, 15												A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS	C/L
			1	2	3	4	5	6	7	8	9		
P	1334900		P33	=FF									A
P	1334900			17R05X,05X-24Q06C-24R06C-14M46C-14N46C-22M39T									A
P	1334901		NP33	=NFF									A
P	1334901			17R22X									A
P	1334902		S/P33	=++.GND2717.PXK-3							+ .P33HOLD	.PXS-3	A
P	1334902			17R12X,12X,07,18X,12X,14,34X									A
P	1334904			+ .GND2717.PXTR								+ .GND2717.PXINT	A
P	1334904			17R12X,11,15X,								12X,10,35X	A
P	1334906			+ .A31.AXSR2-4.								+ .A9.(IOPH0.SW12).	A
P	1334906			17S34,31X,33,35X,								44,45,46X,43X	A
P	1334908			+ .PUC3033.(NPDC31.NPUC31).NP33									A
P	1334908			17R12X,23X,02X,22X									A
P	1334910			+ .PDC3033.(NPDC31.NPUC31).NP33									A
P	1334910			17R12X,04X,02X,22X									A
P	1334914		R/P33	=++.PX-3								+ .CLEAR..	A
P	1334914			17R03X,03X,29X,								17S41,40,42X,43X	A
P	1334916			+ .PUC3033.(NPDC31.NPUC31)									A
P	1334916			17R03X,23X,02X									A
P	1334917			+ .PDC3033.(NPDC31.NPUC31)									A
P	1334917			17R03X,04X,02X									A
P	1334918		C/P33	= .CL-32P34									A
P	1334918			17R01X									A
P	1334919		P33-1	=B.P33.									A
P	1334919			30N18,04,20X,18-32Q41C-01C41C-31D11C-31C11C-10F21T									A
P	1334920		NP33-1	=I.P33-1.									A
P	1334920			04F44,42,50X,44-31D27C-31C27C-26A37T									A
P	1341510		D1034/1	=FF									A
P	1341510			27Q30									A
P	1341511		ND1034/1	=NFF									A
P	1341511			27Q29									A
P	1341512		S/D1034/1	=++.B18.D10XB-2								+ .GND2627	A
P	1341512			27Q41X,41X,42,36X,								41X,37X	A
P	1341517		R/D1034/1	= .D10XB-12									A
P	1341517			27Q40									A
P	1341518		C/D1034/1	= .CL-32P28									A
P	1341518			27Q01X									A
P	1341520		/D1034/	=-BCD*D1034/1									A
P	1341520			29QS,01									A

CODE	LINE NO.	CHG	LOGIC		EQUATIONS		PINS		REMARKS		C/L
			10	20	30	40	50	60	70		
P	1371520		/D1037/	=-BCD*D1037/1							A
P	1371520			26Q\$.23							A
P	1381510		D1038/1	=FF							A
P	1381510			27Q14							A
P	1381511		ND1038/1	=NFF							A
P	1381511			27Q12							A
P	1381512		S/D1038/1	=+.B22.D10XB-2				+ .GND2627			A
P	1381512			27Q11X,11X,13,10X,				11X,20			A
P	1381517		R/D1038/1	= .D10XB-12							A
P	1381517			27Q15							A
P	1381518		C/D1038/1	= .CL-32P28							A
P	1381518			27Q01X							A
P	1381520		/D1038/	=-BCD*D1038/1							A
P	1381520			26Q\$.25							A
P	1391510		D1039/1	=FF							A
P	1391510			27Q06							A
P	1391511		ND1039/1	=NFF							A
P	1391511			27Q07							A
P	1391512		S/D1039/1	=+.B23.D10XB-2				+ .GND2627			A
P	1391512			27Q\$. \$.08,10X,				\$.19			A
P	1391517		R/D1039/1	= .D10XB-12							A
P	1391517			27Q09							A
P	1391518		C/D1039/1	= .CL-32P28							A
P	1391518			27Q01X							A
P	1391520		/D1039/	=-BCD*D1039/1							A
P	1391520			26Q\$.33							A
P	1401510		D1040/1	=FF							A
P	1401510			28Q27							A
P	1401511		ND1040/1	=NFF							A
P	1401511			28Q28							A
P	1401512		S/D1040/1	=+.B24.D10XB-3				+ .GND2628			A
P	1401512			28Q50X,50X,47,36X,				50X,37X			A
P	1401517		R/D1040/1	= .D10XB-13							A
P	1401517			28Q45							A

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CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS		REMARKS	C/L
			10	20	30	40	50		
P	1401518		C/D1040/1 = .CL-32P28 28Q01X						A A
P	1401520		/D1040/ = -BCD*D1040/1 29Q\$,19						A A
P	1411510		D1041/1 = FF 28Q31						A A
P	1411511		ND1041/1 = NFF 28Q26						A A
P	1411512		S/D1041/1 = *.B25.D10XB-3 28Q46X,46X,43,36X,			+.GND2628 46X,37X			A A
P	1411517		R/D1041/1 = .D10XB-13 28Q44						A A
P	1411518		C/D1041/1 = .CL-32P28 28Q01X						A A
P	1411520		/D1041/ = -BCD*D1041/1 29Q\$,23						A A
P	1421510		D1042/1 = FF 28Q30						A A
P	1421511		ND1042/1 = NFF 28Q29						A A
P	1421512		S/D1042/1 = *.B26.D10XB-3 28Q41X,41X,42,36X,			+.GND2628 41X,37X			A A
P	1421517		R/D1042/1 = .D10XB-13 28Q40						A A
P	1421518		C/D1042/1 = .CL-32P28 28Q01X						A A
P	1421520		/D1042/ = -BCD*D1042/1 29Q\$,25						A A
P	1431510		D1043/1 = FF 28Q33						A A
P	1431511		ND1043/1 = NFF 28Q34						A A
P	1431512		S/D1043/1 = *.B27.D10XB-3 28Q39X,39X,35,36X,			+.GND2628 39X,37X			A A

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CODE	LINE NO.	CHK	LOGIC EQUATIONS										PINS	REMARKS	C/L				
			1	2	3	4	5	6	7	8	9	0				1	2	3	4
P	1461512		S/DI046/1 = *.B30.DI0XB-3										+.GND2628			A			
	1461512		28Q11X,11X,13,10X,										11X,20			A			
P	1461517		R/DI046/1 = .DI0XB-13													A			
	1461517		28Q15													A			
P	1461518		C/DI046/1 = .CL-32P28													A			
	1461518		28Q01X													A			
P	1461520		/DI046/ = -BCD*DI046/1													A			
	1461520		26Q\$,39													A			
P	1471510		DI047/1 = FF													A			
	1471510		28Q06													A			
P	1471511		NDI047/1 = NFF													A			
	1471511		28Q07													A			
P	1471512		S/DI047/1 = *.B31.DI0XB-3										+.GND2628			A			
	1471512		28Q\$, \$.08, 10X,										\$.19			A			
P	1471517		R/DI047/1 = .DI0XB-13													A			
	1471517		28Q09													A			
P	1471518		C/DI047/1 = .CL-32P28													A			
	1471518		28Q01X													A			
P	1471520		/DI047/ = -BCD*DI047/1													A			
	1471520		26Q\$,45													A			
P	1481520		/DI048/ = -BCD*B.DI0FS.													A			
	1481520		26Q\$,12,24P45,43,50X													A			
P	1491500		DI049 = -BCR*/DI049/													A			
	1491500		26Q18, \$.18-24Q37C-24R37C													A			
P	1491502		I.NDI0PIN.													C			
	1491502		01Q13,08,04													C			
P	1491520		/DI049/ = -BCD*GND2626													A			
	1491520		26Q\$,15													A			
P	1501520		/DI050/ = -BCD*B.DI0WD.													A			
	1501520		26Q\$,19,24P44,42,50X													A			
P	1511500		DI051 = -BCR*/DI051/													A			
	1511500		29Q36, \$.36-31Q36C-02F36C-16E01T													A			
P	1511520		/DI051/ = -BCD*GND2629													A			
	1511520		29Q\$,35													A			

SIGMA 5 CPU

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8 9	10	11 12 13 14 15 16 17 18 19 20	21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68 69 70	71
P	2000802		C/8KC	=.16KC					A
P	2000802			02K44					A
P	2001400		(A1.N06)	=B.A1.					A
P	2001400			24K44,42,50X,44-28K01T					A
P	2001402			B.N06-1.					A
P	2001402			24K45,43,50X					A
P	2001600		(A16-K16)	=I.N(A16-K16)					A
P	2001600			16P40,50,40-32Q14C-01C14C-31C42C-31D42C-19E11T					A
P	2001650		N(A16-K16)	=B*+.(A16.GXNAD+NA16.PRXNAD)..+.K16..					A
P	2001650			17P03,\$\$,11,10,12X,\$.08,09,07X					A
P	2001652			I.(A16.GXNAD+NA16.PRXNAD).K16					A
P	2001652			19P01,10,11					A
P	2001680		(A16.GXNAD+NA16.PRXNAD)	=B*+.NA16.PRXNAD					A
P	2001680			06N14,\$\$,17,15,14-13P41T					A
P	2001682			+A16.GXNAD..					A
P	2001682			06N\$,01,03,02,04X					A
P	2001690		(A3.D4.D5)	=B.A3.D4.D5.					A
P	2001690			27K14,21,20,29,19,14-28K44T					A
P	2010100		NAXS/2	=I*+.(FUA10.PH5.SW12)..+. (FA10.PH2).					A
P	2010100			06D25,\$\$,33,17X,\$.47,26X,25-03E04C-32M04C-28K05T					A
P	2010102			+. (IOPH0.SW13).ORDERIN+. (IOPH0.SW14).DATAIN					A
P	2010102			06D\$,46,50,					A
P	2010104			+. (IOPH0.SW15). (DATAIN.NSW4.NB0)					C
P	2010104			06D\$,43,42					A
P	2013100		A31XP32	=B.ANLZ .NCC1.PH6-E.					A
P	2013100			20F15,31,18,17,30,15-02E26C-31P26C-28P26T					A
P	2013150		A31XP33	=B.NCC1.NCC2					A
P	2013150			20F02,03,09,02-02E27C-31P27C-28P28T					A
P	2013152			B.ANLZ.PH7-D					A
P	2013152			20F46,40,41					A
P	2020000		(S/A9)	=I.N(S/A9).					A
P	2020000			28F35,39,33X,35-03C03C-03D03C-02A39C-31K39C-01L08T					A
P	2020010		N(S/A9)	=I.A9-1.SW10					A
P	2020010			28F46,30,50X,46-26F39T					A
P	2020012			I.(FA10.PH2).NRZ					A
P	2020012			08F02,03,09					A
P	2045010		/ABOC/	=-BCD*B.ABO/1.ABO/2.					A
P	2045010			15S\$,23,16S06,08,07,14					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	2054900		ABO	=B.ABO/1.ABO/2						A
P	2054900		11R02	.03,09,02-32S18C-03F18C-27C03C-27D03C-12A22T						A
P	2054910		(S/ABO/1)	=I.NMBXS.N(OM.OL6).						U
P	2054910		17E34	.23,22,24,28,34-03F22C-32S22C-11S14T						U
P	2054920			I.PCPACT.						A
P	2054920			32F45,43,50X						A
P	2054930			I.IOACT.						A
P	2054930			32F44,42,50X						A
P	2054940			I.INTRAP.						D
P	2054940			31F25,23,29X						D
P	2054950			I.(FAIO.PH3).						D
P	2054950			31F18,04,20X						D
P	2055000		ABO/1	=FB*+.ABO/1.(R/DPL).						D
P	2055000			15T03,\$.\$.08,09,07X,						A
P	2055010			I.CROSSADD						D
P	2055010			14T10,09						D
P	2055050		ABO/2	=B*+.LCK0.WK1.						A
P	2055050			21N02,\$.\$.17,22,07X,02-19Q09C-19R09C-11S08T						A
P	2055051			+LCK1.WK0.						A
P	2055051			21N\$.23,24,12X						A
P	2055052			I.LCK0.LCK1.WK0.WK1						A
P	2055052			23N34,24,23,22,28						A
P	2055100		ABOT	=-BDS*DL2/110						A
P	2055100			24T30,42,30-11S47T						A
P	2062820		ACCL/1	=-BDS*DL1/000						A
P	2062820			23T30,42,30-20R45T-27S43T						J
P	2062822			-IDS*DL1/040						A
P	2062822			23T01,40						A
P	2062830		NACCL/1	=I.ACCL/1.						A
P	2062830			20S28,21,29,28-27S38T						A
P	2062850		ACCLG	=FB*+.ACCLG.(R/ACCLG).						A
P	2062850			22S47,\$.\$.28,36,35X,						A
P	2062856			+ACCLG/1.						A
P	2062856		ACCLG/1	=-BDS*DL3/040						A
P	2062856			24T17,22,17-19S30T						A
P	2062858			-IDS*DL3/080						A
P	2062858			24T19,21						A
P	2062870		(R/ACCLG)	=-IDS*DL1/050						A
P	2062870			23T02,44,02-19S36T						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																																														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	
	EQUATION CONTINUED FROM PREVIOUS PAGE																																																																					
P	2089070		I*+.P31.NKSP31										+.NP31.KSP31											A																																														
P	2089070		09R25, \$, \$, 17X, 33.										\$.26X, 47											A																																														
P	2089072		+.NP30.KSP30										+.GND2709.											A																																														
P	2089072		09R\$, 43, 42.										\$.45, 44											A																																														
P	2089074		+.GND2709.																					A																																														
P	2089074		09R\$, 46, 50																					A																																														
P	2089200	ADNH	=FF																					A																																														
P	2089200		18T18, 18-01M38C-01R38C-28K04T																					A																																														
P	2089201	NADNH	=NFF																					A																																														
P	2089201		18T19, 19-32S39C-03F39C-26F01T																					A																																														
P	2089202	F/ADNH	=.ADNH																					A																																														
P	2089202		18T21																					A																																														
P	2089203	S/ADNH	=.GND2918																					A																																														
P	2089203		18T20																					A																																														
P	2089204	R/ADNH	=(R/ADNH)																					A																																														
P	2089204		18T17																					A																																														
P	2089205	C/ADNH	=.CL-32P14																					A																																														
P	2089205		18T05																					A																																														
P	2089206	E/ADNH	=.GND2918																					A																																														
P	2089206		18T01																					A																																														
P	2089208	(R/ADNH)	=I.N(IOPH1.SW11).IOACT.																					A																																														
P	2089208		04F06, 08, 14, 07, 06-02F42C-31Q42C-24Q04C-24R04C-11S11T																					A																																														
P	2089300	ADNHCL	=-BDS*DL3/300																					A																																														
P	2089300		24T04, 24, 04-19S07T																					A																																														
P	2089350	ADNHL	=FB*+.ADNHL.NACCL/1.										+.DRQ/1.(NAH.AHCL).											A																																														
P	2089350		22S45, \$, \$, 37, 38, 35X.										\$.39, 40, 41X, 45-22T36T											A																																														
P	2089360	ADNH-1	=I.NADNH.																					A																																														
P	2089360		31F17, 01, 20X, 17-19C11C-19D11C-26A18T																					A																																														
P	2089400	(ADNH.TRACC2INH)	=B.TRACC2INH.ADNH-1																					A																																														
P	2089400		32B13, 04, 08																					A																																														
P	2100500	AEADB	=B.NB21.B22.GRP0.																					A																																														
P	2100500		20Q36, 25, 26, 27, 28, 36-24Q30C-24R30C																					A																																														
P	2100800	AEENLE	=B.NB23.GRP0																					A																																														
P	2100800		20Q08, 11, 12, 13, 14, 08-19Q07C-19R07C																					A																																														

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L								
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	2182020		AIE2	=FF											A
P	2182020			17T27											A
P	2182021		NAIE2	=NFF											A
P	2182021			17T28											A
P	2182022		S/AIE2	=++. (AIB.LEVACT).											A
P	2182022			17T50X,50X,47,36X,											A
P	2182024		R/AIE2	=.											A
P	2182024			17T45											A
P	2182026		C/AIE2	= .NIMCS											A
P	2182026			17T01X											A
P	2183000		/AIO/	=-BCD*B.FUAIO.10PXFNC.10IR											G
P	2183000			09F\$,25,06F06,14,08,07											A
P	2240100		ALARM	=FF											A
P	2240100			22F14,14-07D02C-07C02C-02A11C-31K11C											A
P	2240101		NALARM	=NFF											A
P	2240101			22F12,12-07C15C-07D15C											A
P	2240102		S/ALARM	=++. (WDINT.B30).GND1622											A
P	2240102			22F11X,11X,10X,13,											A
P	2240104			+.WDINT.B31-1.											A
P	2240104			23F11,12,13,15X											A
P	2240107		R/ALARM	=.(R/ALARM)											A
P	2240107			22F15											A
P	2240109		C/ALARM	= .CL-01E22											A
P	2240109			22F01X											A
P	2240150		(R/ALARM)	=I.NRESET-1.NWDINT											A
P	2240150			19F36,44,37,36-26F15T											A
P	2240200		ALARM/L	=-LD.ALARM.											A
P	2240200			17M\$,06,10X											A
P	2260000		AM	=FF											A
P	2260000			11P27,27-32K10C-10M43C-10N43C-01A10C-09C40T											A
P	2260001		NAM	=NFF											A
P	2260001			11P28											A
P	2260002		S/AM	=++.S11.PSW1XS.											A
P	2260002			11P50X,12P13,12,11,15X											A
P	2260003			+.GND2511											A
P	2260003			11P50X,36X,47,											A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	2260007		R/AM	= .PSW1XS 11P45						A
P	2260009		C/AM	= .CL-32P19 11P01X						A
P	2260020		AM/L	= LD.AM. 18PS, 27, 36X						A
P	2285000		ANLZ	= FF 29A27, 27-03C18C-03D18C-26F40T						A
P	2285001		NANLZ	= NFF 29A28, 28-20A02T						A
P	2285002		S/ANLZ	= *. (FUANLZ.PH1). 29A50X, 50X, 47, 36X,				+ .GND1129 50X, 37X		A
P	2285007		R/ANLZ	= .CLEAR 29A45						A
P	2285009		C/ANLZ	= .CL-01E03 29A01X						A
P	2285012		(ANLZ.IA)	= B.ANLZ. 29D41, 38, 33X, 41-26F20T						A
P	2285014			B.IA 29D35, 39, 33X						A
P	2285040		(ANLZ.PH6)	= B.ANLZ.PH6 30C46, 30, 50X, 46-27C46C-27D46C-10F03T						A
P	2285050		(ANLZ.PH7)	= B.ANLZ.PH7-B 17B45, 39, 42, 45-03C30C-03D30C						A
P	2285060		(ANLZ.PRE3)	= B.ANLZ.PRE3 28B46, 30, 50X, 46-03C38C-03D38C-16E17T						A
P	2285065		(NANLZ.PRE3)	= B.NANLZ.PRE3 28B47, 31, 50X, 47-31C07C-31D07C-12D19T						A
P	2285070		N(ANLZ.PRE3)	= I.(ANLZ.PRE3) 05C41, 38, 33X, 41-25C43T						A
P	2341910		AR	= BCR*/ARC/ 15S08, \$						A
P	2341920		NAR	= I.AR. 20S26, 24, 29X, 26-27S15T						A

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
	1 2345678	9	10 123456789	20 23456789	30 23456789	40 23456789	50 23456789	60 23456789	70
P	2341950		/ARC/	=-BCD*GND2815					A
P	2341950			15S\$,03					A
P	2342000		ARE	=B*+.AIE1.1MC-1.				+ .AIE2.1MC-1.	A
P	2342000			23R01,\$,\$,19,18,12X,				\$,21,20,07X	A
P	2344100		ARMCTR	=B.IBC.LEVARM					A
P	2344100			11R35,43,38					A
P	2344700		ARMIO	=B.IBI.LEVARM					A
P	2344700			11R36,44,37					A
P	2344800		ARMOVD	=B.IBO.LEVARM					A
P	2344800			11R45,42,39					A
P	2352900		/ASC/	=-BCD*B.10SC.					A
P	2352900			09F\$,33,06F41,38,33X					A
P	2371030		AUC3	=B.A4.A5.A6.A7					A
P	2371030			11L15,30,18,31,17					A
P	2371031			B.AUC7					A
P	2371031			13L15,13					A
P	2371070		AUC7	=B.NCC2.FL2.FUSF/1.NMC7					A
P	2371070			16N22,15,14,13,12,22-14M23C-14N23C-01L24T					A
P	2371500		AUDIO	=B*+.NALARM.MUSIC				+ .ALARM.KRUN.1KC.	A
P	2371500			04C14,\$,\$,15,17,\$,02,03,01,04X,14-02A29C-31K29C-22M37T					A
P	2385100		AVO	=-BCR*/AVO/					A
P	2385100			09E08,\$,08-17E47T					C
P	2385120		/AVO/	=-BCD*GND1509					A
P	2385120			09E\$,03					A
P	2400100		NAX	=B.NAXK.NAXALB.NAXS.NAXSL1					A
P	2400100			30P15,17,18,30,31					A
P	2400102			B.NAXSR1.NAXSR2.NAXRR.NAXPARITY					A
P	2400102			30P14,19,20,21,29					A
P	2400104			B.NAXDIO.NAXPSW2.NAXLOAD.N(FUMSP.PH1/F)					A
P	2400104			30P34,22,23,24,28					A
P	2400105			B.NAXR.NAXNR					A
P	2400105			30P13,04,08					A
P	2400106			B.NAXCC.NAXMC.NAXZ					A
P	2400106			30P33,26,25,27					A
P	2400108		AX/O	=I.NAX.NAZ/O					A
P	2400108			29P46,50X,30,46-29M02C-29N02C-01L26T					A
P	2400109			I.FUSF/1.					A
P	2400109			29P41,38,33X					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS			C/L
			10	20	30	40	50	60	70			
P	2400110		AX/1	=I.NAX.NAZ/1								A
P	2400110			29P47,50X,31,47-29M03C-29N03C-01L25T								A
P	2400120		AX/2	=I.NAX.NAZ/2								A
P	2400120			29P45,50X,43,45-13P02T								A
P	2400130		AX/3	=I.NAX.NAZ/3								A
P	2400130			29P44,50X,42,44-17Q03T								A
P	2400200		NAXALB	=I*+.(FAST.PH1/E).NFAIM	NFAIM	IS NOT USED IN EQU.						T
P	2400200			05D25,\$,\$,33,17X,25-02E18C-31P18C-14N26C-14M26C-01L02T								A
P	2400201			+.(FA10.PH9).SW0								A
P	2400201			05D\$46,50								A
P	2400202			+.(DATAOUT.(IOPH0.SW13))+.(IOPH2.SW15).								A
P	2400202			05D\$44,45,				\$,43,42				A
P	2400204			+.(IOPH3.SW9).								A
P	2400204			05D\$47,26X								A
P	2400206			1*+.(FA10/I.PH5).SW12				+.(FAST-2.PH1/D				A
P	2400206			02D22,\$,\$,07,06,				\$,11,12				A
P	2400208			+.(FUMMC.PH6).N(BC=1).				+.(FASTORE.PRE4.NBCZ.				A
P	2400208			02D\$05,13,04,				\$,20,19,21X,18				A
P	2400210			+.(FAMT.PRE4.SW2.NBCZ								A
P	2400210			02D\$08,09,10,21X								A
P	2400212			1*(IOPH3.SW12).								A
P	2400212			21E25,23,29X								A
P	2400300		AXALB-0	=I.NAXALB								A
P	2400300			02L10X,01								A
P	2400310		AXALB-1	=I.NAXALB								A
P	2400310			02M10X,01								A
P	2400320		AXALB-2	=I.NAXALB								A
P	2400320			16P10X,01								A
P	2400330		AXAR24	=I.NAXAR24								A
P	2400330			16Q10X,01								A
P	2400400		AXAR8	=I.NAXAR8								A
P	2400400			15M44,42,50X,44-01L22T								A
P	2400410		NAXAR8	=I*+.(IOPH0.SW13).DATAIN.(NP32.P33)								A
P	2400410			04D47,\$,\$,37,38,39,47-03E42C-32M42C-11M42T								A
P	2400412			+.(IOPH0.SW15).(DATAIN.NSW4).(NP32.P33)								A
P	2400412			04D\$35,33,36								A
P	2400414			+.(GND1404.								A
P	2400414			04D\$34,44								A
P	2400420		AXAR16	=I.NAXAR16								A
P	2400420			13N27,22,29X,27-13P09T								A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L								
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	2405350			N(S/AXRR)=I.FACOMP/L.PH1-B.OU3			A								
P	2405350			15B15,25,18,26,15-01C15C-32Q15C-13P34T			A								
P	2405352			I*+. (FAST/M.PRE3.NOU0).NOLA			A								
P	2405352			15B14, \$. \$, 04, 12			A								
P	2405354			+. FASTORE.PRE/34-A.N02			A								
P	2405354			15B\$, 03, 02, 13			A								
P	2405356			+. FAST/S. (IOPH1.SW13)-F. (NIOEN+IOB0)			A								
P	2405356			15B\$, 27, 17, 28			A								
P	2405358			B.N(S/AXRR/2).N(S/AXRR/3).			A								
P	2405358			12C12, 06, 05, 07			A								
P	2405360			I*+. FAST/S.PH5-B		+. PH10	A								
P	2405360			14B23, \$. \$, 06, 07.		\$. 12, 17X	A								
P	2405362			+. FAMDS. (IOPH1.SW11)		+. FAMDS.GND1214	A								
P	2405362			14B\$, 15X, 29X.		\$. 15X, 14	A								
P	2405364			+. PRE/12.		+. FAST/S.PH6	A								
P	2405364			14B\$, 18, 19X.		\$. 20, 21	A								
P	2405366			I*+. (FUDW.NR31+FUSF.D23).PH3-B			A								
P	2405366			13B24, \$. \$, 40X, 28			A								
P	2405368			+. (FUDW.NR31+FUSF.D23).PRE3-B			A								
P	2405368			13B\$, 40X, 41X			A								
P	2405370			+. FUS.PRE3-B		+. (FUANLZ.PH1).	A								
P	2405370			13B\$, 27, 41X.		\$. 39, 31	A								
P	2405372			+. FUMMC.PRE3-B		+. (FAFL.N02).PH1-B	A								
P	2405372			13B\$, 29X, 38.		\$. 30X, 36	A								
P	2405374			+. FASEL.PH1-B		+. (FADW/1.PH1).	A								
P	2405374			13B\$, 37, 19X.		\$. 34, 35	A								
P	2405380			N(S/AXRR/2)=I*+. (FUAI0.PH5).SW8			A								
P	2405380			14C29, \$. \$, 24, 19, 29-09C28T			A								
P	2405382			+. (FAI0/1.PH4).SW2		+. (IOPH1.SW9)-F.IFAM	A								
P	2405382			14C\$, 22, 23.		\$. 21, 20	A								
P	2405384			I.IOENIN.			A								
P	2405384			13C05, 02, 20X			A								
P	2405390			N(S/AXRR/3)=I*+. (IOPH1.SW8)-F.GND1214			A								
P	2405390			14B24, \$. \$, 41X, 40X, 24-09C26T			A								
P	2405391			+. GND1214.			A								
P	2405391			14B\$, 40X, 28			A								
P	2405392			+. (IOPH1.SW8)-F.ORDSW4			A								
P	2405392			14B\$, 41X, 27			A								
P	2405394			+. (IOPH1.SW8)-F. (NIODC.DASW4)			B								
P	2405394			14B\$, 39, 31.			A								
P	2405396			+. IOPH0.SW9		+. GND1214.	A								
P	2405396			14B\$, 36, 30X.		\$. 37, 19X	A								
P	2405398			+. (IOPH0.SW8).IOPH10		+. (IOPH1.SW11).IFAST	A								
P	2405398			14B\$, 34, 35.		\$. 29X, 38	A								

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L								
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	2405400		N(S/AXRR/4)	=I*+.FA10/1.PH5-B.SW11	+	(FA10/1.PH5).SW10.NR31	A								
	2405400			15B30,\$,\$.41,40,50.		\$.45,43,42,30-09C06T	A								
P	2405402			I*+.(IOPH0.SW12)-F.(DOR.IOR)			A								
P	2405402			15B29,\$,\$.22,23			A								
	2405404			+. (IOPH1.SW8)-F.(DASW4.IODC)+. (IOPH3.SW8).			A								
P	2405404			15B\$.21,20.		\$.24,19	A								
	2405420		N(S/AXRR/6)	=I.(FA10/1.PH5).SW11			A								
P	2405420			11F45,39,42,45-11C07C-11D07C-12A11T			A								
	2405422			I*+.(IOPH3.SW8).		+.GND1518.	A								
P	2405422			18E30,\$,\$.46,44X.		\$.26,29X	A								
	2405424			+. (FA10/1.PH5).(SW8.NSW7).NFUMH			A								
P	2405424			18E\$.33,34,39X			A								
	2405430		NAXRRINH	=I*+.FAPSD.PRE3-B	+	.FAST/M.PRE3-B	A								
P	2405430			14C01,\$,\$.07,06,\$,\$.11,05,01-31C12C-31D12C-02E07C-31P07C-22P08T			A								
	2405432			+.FASTORE.PRE3-B.OL4			A								
P	2405432			14C\$.08,09,10			A								
	2405434			I.FARWD.OLC.PRE3-B			A								
P	2405434			29C33,26,25,27			A								
	2405480		NAXS	=I*+.(FAMULNH.PH7).			A								
P	2405480			06D22,\$,\$.11,10,22-02E33C-31P33C-18N44C-18M44C-28K03T			A								
	2405481			+. (FA10.PH5.SW14).			A								
P	2405481			06D\$.13,30X			A								
	2405482			+. (IOPH2.SW14).		+. (IOPH3.SW14).	A								
P	2405482			06D\$.05,19X.		\$.02,26X	A								
	2405484			+. (ANLZ.PH6).CC1-1		+. (ANLZ.PH6).GND1406	A								
P	2405484			06D\$.03X,04.		\$.03X,01	A								
	2405486			+.FUAWM.PH1-D			A								
P	2405486			06D\$.08,09			A								
	2405488			I*+.FADIV-2.PH9-D		+. (FAST.PH4).	A								
P	2405488			06D24,\$,\$.34,35.		\$.37,19X	A								
	2405490			+. (FAMT.PH2).		+.FASEL-1.PH3-D	A								
P	2405490			06D\$.36,30X.		\$.38,29X	A								
	2405492			+. (FAST.PH1/C).SW7		+.FUMMC-1.PH3-D	A								
P	2405492			06D\$.39,31.		\$.40X,28	A								
	2405494			+.FUMMC-1.PH7-D		+. (FUOW.NR31.NB31).PH7-D	A								
P	2405494			06D\$.40X,41X.		\$.27,41X	A								
	2405496			I*+.FUSF.FL1.PH5-E		+.FADIV.PH6-E.MCZ	A								
P	2405496			08E30,\$,\$.41,50,40.		\$.45,43,42	A								
	2405498			I.(IOPH3.SW10).B1-1			A								
P	2405498			09D36,37,44			A								
	2405499			I.(FAPSD.PRE3).			A								
P	2405499			21E19,03,20X			A								
	2405500		AXS/0	=I.NAXS/4			A								
P	2405500			02L37X,46			A								
	2405510		AXS-1	=I.NAXS			A								
P	2405510			02M37X,46			A								

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	2405520		AXS-2	=I.NAXS						A
P	2405520			16P37X,46						A
P	2405530		AXS-3	=I.NAXS						A
P	2405530			16Q37X,46						A
P	2405535		NAXS/4	=B.NAXS.NAXS/2						A
P	2405535			27K02,03,09						A
P	2405540		NAXSL1	=I*+.FADW.PRE2.IXAL						A
P	2405540			02D23,\$.\$.38,33X,34,23-02E34C-31P34C-05N41C-05M41C-01L06T						A
P	2405541			+ .NFSHEX.NFL2.SFT.						A
P	2405541			02D\$.40X,39,36,35						A
P	2405542			+.(ANLZ.PH7).NCC2.NCC1						A
P	2405542			02D\$.27,26,25X.						A
P	2405542			\$,28,25X,24						A
P	2405544			I*+.FADIV-2.PH6-E.NMCZ.						A
P	2405544			02D14,\$.\$.02,03,01,04X,						A
				\$.17,15						A
P	2405550		AXSL1-0	=I.NAXSL1						A
P	2405550			02L\$.47						A
P	2405560		AXSL1-1	=I.NAXSL1						A
P	2405560			02M\$.47						A
P	2405570		AXSL1-2	=I.NAXSL1						A
P	2405570			16P\$.47						A
P	2405580		AXSL1-3	=I.NAXSL1						A
P	2405580			16Q\$.47						A
P	2405590		NAXSR1	=I.FL2.FL3.SFT						A
P	2405590			08D07,02,06,01,07-02E19C-31P19C-05N03C-05M03C-01L05T						A
P	2405592			I.FADW.PRE2.IXAL						A
P	2405592			08D09,03,04,05						A
P	2405594			I.PH7-D.ANLZ.CC1-1.CC2-1						A
P	2405594			08D08,12,11,13,14						A
P	2405596			I.(10PH3.SW11).						A
P	2405596			04F19,03,20X						A
P	2405600		AXSR1-0	=I.NAXSR1						A
P	2405600			02L\$.03						A
P	2405610		AXSR1-1	=I.NAXSR1						A
P	2405610			02M\$.03						A
P	2405620		AXSR1-2	=I.NAXSR1						A
P	2405620			16P\$.03						A
P	2405630		AXSR1-3	=I.NAXSR1						A
P	2405630			16Q\$.03						A

CODE	LINE NO.	CHK	LOGIC EQUATIONS / PINS / REMARKS										C/L																																																								
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
P	2500300		NB1619Z =1.NB16.NB17.NB18.NB19										A																																																								
P	2500300		19P15,17,18,30,31,15-32Q13C-01C13C-29C50T										A																																																								
P	2500800		N((S/B8).ND6.D4)=1.(S/B8).ND6-1.D4.										A																																																								
P	2500800		18L14,21,20,29,19,14-11M03T										A																																																								
P	2500900		N((S/B9).D4)=1.(S/B9).D4										A																																																								
P	2500900		12L45,39,42,45-11M04T										A																																																								
P	2503000		(S/B3031)=B.MIT.(MC=1).B30										A																																																								
P	2503000		25N06,14,08,07,06-06Q07T										A																																																								
P	2503110		(B31-BC31)=1.B31.BC31										A																																																								
P	2503110		23N35,38,43,35-32N06C-01D06C-12D31T										A																																																								
P	2503112		1.NB31.NBC31										A																																																								
P	2503112		23N36,44,37										A																																																								
P	2559800		(BC=1) =B.BC1.NBC0										A																																																								
P	2559800		26C46,41,40,46-11C11C-11D11C-26F26T										A																																																								
P	2559830		N(BC=1) =1.(BC=1)										A																																																								
P	2559830		30B26,24,29X,26-23C03C-23D03C-06E01T										A																																																								
P	2560000		BC0 =FF										A																																																								
P	2560000		29A30										A																																																								
P	2560001		NBC0 =NFF										A																																																								
P	2560001		29A29,29-25C40T										A																																																								
P	2560002		S/BC0 =++.GND1129.										A																																																								
P	2560002		29A41X,41X,42,36X, 41X,37X										A																																																								
P	2560003		+. (IOPH2.SW13).P32-1.NPRE/34										A																																																								
P	2560003		27A43X,45,44,46X										A																																																								
P	2560004		+.NBC0.NBC1.BCDC1..										A																																																								
P	2560004		27A26,27,28,29X,24,25,										A																																																								
P	2560005		+.PRE3-A.NP32-1.01-1.NPRE/34										A																																																								
P	2560005		27A43X,50,42X,47,46X										A																																																								
P	2560006		+. (FAMT.PH2.NRZ).01-1.NP32-1										A																																																								
P	2560006		27A43X,40,41,42X										A																																																								
P	2560007		R/BC0 =.(R/BC0)										A																																																								
P	2560007		29A40										A																																																								
P	2560009		C/BC0 =.CL-01E03										A																																																								
P	2560009		29A01X										A																																																								
P	2560020		(R/BC0) =1.NBCX.NCLEAR.NBCDC0										A																																																								
P	2560020		19B33,25,26,27,33-26A39T										A																																																								
P	2560050		BC1 =FF										A																																																								
P	2560050		29A33,33-25C41T										A																																																								

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8	9	10 11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68 69 70	
	2562070		NBCDC1	=I.(IOPH2.SW14).					A
P	2562070			20C36,37,33X,36-22B07T					A
	2562072			I.(FUMMC.PH6).					A
P	2562072			20C41,38,33X					A
	2562074			I.(IOPH2.SW15).					A
P	2562074			20C35,39,33X					A
	2562076			I.NBCZ.PRE4					A
P	2562076			19B02,03,09					A
	2578000		NBCX	=I*+. (IOPH2.SW13).				+. (FAMT.PH2.NRZ).01-1	A
P	2578000			18B12, \$, \$, 10, 09,				\$, 11, 04, 12-22B25T	A
	2578002			+. NPRE/34.PRE3-A					A
P	2578002			18B\$, 03, 02					A
	2579000		BCZ	=I.NBCZ.					A
P	2579000			31E25,23,29X,25-03C20C-03D20C-20A10T					A
	2579050		NBCZ	=I.NBCO.NBCI					A
P	2579050			19B13,04,08,13-15C24C-15D24C-30E23T					A
	2840100		NBR	=B.NBRPH3.NBRPH4					A
P	2840100			26C12,06,05,12-26A15T					A
	2840102			B.NBRPH1.NBRPH2.NCLEAR-1					A
P	2840102			26C33,25,27,26					A
	2840104			B.NBRPH9.NBRPH10.NBRPRE2.NBRPRE4					A
P	2840104			26C34,24,23,22,28					A
	2840106			B.NBRPH5.NBRPH6.NBRPH7.NBRPH8					A
P	2840106			26C14,21,20,29,19					A
	2840108			I.FABRANCH.PH1-B					A
P	2840108			16A28,21,29X					A
	2840110			I.FUANLZ.PH1-B					A
P	2840110			16A27,22,29X					A
	2840900		BRP	=FF					A
P	2840900			28A14,14-23C26C-23D26C-26D36T					A
	2840901		NBRP	=NFF					A
P	2840901			28A12,12-01A01C-32K01C-11M01T					D
	2840902		S/BRP	=**+.GND1128.PRE1-A				+. (S/BRP)	A
P	2840902			28A11X,11X,13,10X,				11X,20	A
	2840904			+.PRE3-A.PXS					A
P	2840904			27A11,12,13,15X					A
	2840907		R/BRP	=.(R/BRP)					A
P	2840907			28A15					A
	2840909		C/BRP	=.CL-01E03					A
P	2840909			28A01X					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			/	PINS			/	REMARKS	C/L
			1	2	3		4	5	6				7	8
P	2841150		NBRPH1	=	1.FAST/A-1.PH8							A
	2841150				32C01,10,11.01-25C25T							A
P	2841152				1.BRPH1/1.							A
	2841152				20C27,22,29X							A
P	2841170		BRPH1/1	=	1*+.PH1/G.							A
	2841170				26B25,.\$,.\$,47,26X,25-25C22T							A
P	2841172				+.NSW7.PH1/C							A
	2841172				26B\$.42,43.							A
P	2841174				+. (A16-K16).PH1/C							A
	2841174				26B\$.44,45.							A
P	2841178				B.FAST-1.PH1							A
	2841178				28B27,22,29X							A
P	2841200		BRPH2	=	1.NBRPH2.							A
	2841200				24C28,21,29X,28-11C08C-11D08C-12D08T							A
P	2841250		NBRPH2	=	1.FUMMC.PH8 .N(INT+IOSC).NMCZ							A
	2841250				32C15,30,17,31,18,15-25C21T							A
P	2841300		BRPH3	=	1.NBRPH3							A
	2841300				14C31,30X,31-26A25T							A
P	2841350		NBRPH3	=	1*+.FAIO.PH3-B.NSW0-1							A
	2841350				14C30X,.\$,.\$,41,40,50,30X-25C06T							A
P	2841352				+.FAPSD.NO7.(NANLZ.PRE3)							A
	2841352				14C\$.45,43,42							A
P	2841354				1.FAMDS.PRE/34-A.NBRPH5.NANLZ							A
	2841354				32C14,21,20,29,19							A
P	2841400		BRPH4	=	1.NBRPH4.							A
	2841400				20C44,42,50X,44-26A23T							A
P	2841450		NBRPH4	=	1.(FAIO.PH4).SW0.NSW2							A
	2841450				32C33,26,25,27,33-25C42T							A
P	2841500		BRPH5	=	1.NBRPH5							A
	2841500				21B46,47X,46-26A46T							A
P	2841550		NBRPH5	=	1.(ANLZ.PRE3).							A
	2841550				24C19,03,20X,19-25C29T							A
P	2841552				1*+.FUS.PRE3-A							A
	2841552				21B47X,.\$,.\$,34,44,							A
P	2841554				+. (FAIO.PH5.SW0).NSW14.N(NVALST.SW13)							A
	2841554				21B\$.35,36,33							A
P	2841600		(BRPH6.NIOEN)	=	1.NBRPH6							A
	2841600				21B31,30X,31-26A50T							A
P	2841604				B.N(IOEN.IOSC)							L
	2841604				28B10,09							A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	2841650		NBRPH6 = I . FAMD . NFSHEX . PH6-B . NBRPH10 . NMCZ																					A																										
P	2841650		21C37, 29, 33, 30, 34, 31, 37-25C20T																					A																										
	2841652		I . FARWD . PH3-B																					A																										
P	2841652		24C44, 42, 50X																					A																										
	2841654		I . FUMMC . PH3-B																					A																										
P	2841654		24C46, 30, 50X																					A																										
	2841656		I . FAMLNH . PH3-B																					A																										
P	2841656		24C47, 31, 50X																					A																										
	2841658		I*+ . FADIV . PH4-B .										+ . FAST/M . PH6-B . NMCZ											A																										
P	2841658		21B30X, \$, \$, 45, 42, 43,										\$, 40, 41, 50											A																										
	2841660		I*+ . (FUMMC . PH6) . N(BC=1)										+ . FAFL . PH6-B . NFPRR .											A																										
P	2841660		25B22, \$, \$, 11, 12,										\$, 20, 21X, 19, 18											A																										
	2841662		+ . (FAST/M . PRE3 . NOUO) . NANLZ																					A																										
P	2841662		25B\$, 07, 06																					A																										
	2841664		+ . FARWD . PH6-B . NDIOEXIT .																					A																										
P	2841664		25B\$, 09, 21X, 10, 08																					A																										
	2841666		+ . (IOPH1 . SW13) - F . (S/PH6/10) - 1 .																					A																										
P	2841666		25B\$, 04X, 13, 05																					A																										
	2841700		BRPH7 = I . NBRPH7 .																					A																										
P	2841700		20C46, 30, 50X, 46-26A35T																					A																										
	2841750		NBRPH7 = I . (FASH . PH5 . NFL2) . MCZ																					A																										
P	2841750		32C46, 40, 41, 46-25C30T																					A																										
	2841800		BRPH8 = I . NBRPH8																					A																										
P	2841800		14C46, 47X, 46-26A33T																					A																										
	2841850		NBRPH8 = I*+ . (FAMT . PH2) . N01-1																					A																										
P	2841850		14C47X, \$, \$, 34, 44, 47X-25C19T																					A																										
	2841860		+ . FAMT . SW2 . PRE/34-A										+ . FAMT . PH2-B . RZ											A																										
P	2841860		14C\$, 35, 33, 36,										\$, 37, 38, 39											A																										
	2841870		I . FARWD . B1619Z . PH1-C .																					A																										
P	2841870		27B34, 24, 23, 22, 28																					A																										
	2841900		BRPH9 = I . NBRPH9																					A																										
P	2841900		24B46, 47X, 46-26A26T																					A																										

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18
	20	21	22	23	24	25	26	27	28
	30	31	32	33	34	35	36	37	38
	40	41	42	43	44	45	46	47	48
	50	51	52	53	54	55	56	57	58
	60	61	62	63	64	65	66	67	68
	70	71	72	73	74	75	76	77	78
	2841950		NBRPH9	=I*+.FUBCS.PH1-E.N(R.CC)					A
P	2841950			28C13,\$,\$,18,20,19,13-31C10C-31D10C-19E05T					A
	2841952			+ .FUBCR.PH1-E.(R.CC)				+.(FAMULNH.PH7).	A
P	2841952			28C\$17,15,14,				\$,21,22	A
	2841954			I.FUBIR.PH1-E.NS0					A
P	2841954			21C10,15,19,18					A
	2841956			I.FAST/M.PH6-B.NOUD.MCZ					A
P	2841956			21C36,26,25,28,27					A
	2841958			I*+.FAIO.PH5.SW07.SW14					A
P	2841958			24B47X,\$,\$,44,34					A
	2841960			+ .FASTORE.NFASTORE/1.PH1					A
P	2841960			24B\$37,38,39					A
	2841962			+.(FAIO.PH5.SW0).SW13.NVALST					A
P	2841962			24B\$35,36,33					A
	2841964			I*+.FADIVH.PH6-B.MCZ.				+ .FASEL.PH4-B.OL7.	A
P	2841964			25B23,\$,\$,36,40X,39,35,				\$,33X,38,34,37	A
	2841965			+.(FAIO.PH6).NSW0-1.R31-1					A
P	2841965			25B\$28,25X,24					A
	2841966			+.(FAIO.PH4).NSW0-1.RZ					A
P	2841966			25B\$27,25X,26					A
	2841974			I*+.FAST-1.PH1/6				+ .PH2-B.FASTORE	A
P	2841974			26B23,\$,\$,06,07,				\$,17X,12	A
	2841976			+.(FAST.PH4).SW1				+.(FAST.PH4).SW3	A
P	2841976			26B\$15X,29X,				\$,15X,14	A
	2841978			+.(NANLZ.PRE3).GND1226				+.(FAIO.PH6).FUAIO	A
P	2841978			26B\$19X,18,				\$,21,20	A
	2841980			I.(FAIO.PH4).NSW0-1.COND1.					F
P	2841980			27B15,18,31,17,30					F
	2842000		BRPH10	=I.NBRPH10					A
P	2842000			24B31,30X,31-26A22T					A

CODE	LINE NO.	C/D	LOGIC EQUATIONS										PINS										REMARKS	C/L						
			1	2	3	4	5	6	7	8	9	0	10	11	12	13	14	15	16	17	18	19			20	21	22	23	24	25	26	27	28	29	30
P	2842050		NBRPH10 = I*+.FADW/1.PH3-B																				+(FAPSD.PH6).	G						
	2842050		18C25,\$,\$,45,44.																				\$.33,17X,25-12A41T	A						
P	2842052		+.FUWAIT.PH1-E																				+.FAFL.PH8	C						
	2842052		18C\$,43,42.																				\$.26X,47	A						
	2842054		+.PCP3.SWK6																					A						
P	2842054		18C\$,46,50																					A						
	2842058		I*+.FALOAD/A.PH2-B.NOUI																				+.FUBCS.PH1-A.(R.CC)	A						
P	2842058		24B30X,\$,\$,41,40,50.																				\$.45,43,42	A						
	2842060		I*+.FUS.PH7																					A						
P	2842060		25B14,\$,\$,17,15																					A						
	2842062		+.NPCP2.IPH10.(IOPH1.SW13)-F.(NIOEN+IOB0)																					A						
P	2842062		25B\$,01,03,04X,02																					A						
	2842064		I*+.FAS10.PH1-A.																				+.FUBCR.PH1-A.N(R.CC)	C						
P	2842064		25B30,\$,\$,31,29X,46.																				\$.47,29X,50	A						
	2842066		+.FASEL.PH4-B.NOL7																				+.FUMH.PH6-B.MCZ.	A						
P	2842066		25B\$,33X,42,45.																				\$.41,40X,43,44	A						
	2842068		I*+.FUBAL.PH1-A																				+.FACOMP/L.PH3-B	C						
P	2842068		26B22,\$,\$,08,09.																				\$.10,11	A						
	2842070		+.FUINT.PH4																				+.FALOAD/A.PH4	A						
P	2842070		26B\$,04,03X.																				\$.01,03X	A						
	2842072		+.PH8.FARWD																				+.FUEXU.(NANLZ.PRE3)	C						
P	2842072		26B\$,13,30X.																				\$.05,19X	A						
	2842074		+.DIVOVER.																					C						
P	2842074		26B\$,02,26X																					A						
	2842078		I.FUINT.PH2-B.R31-1.																					A						
P	2842078		21C39,45,46,47,50																					A						
	2842200		BRPRE2 = I.NBRPRE2.																					A						
P	2842200		24C26,24,29X,26-26A31T																					A						
	2842250		NBRPRE2 = I.(IA.PRE2).																					A						
P	2842250		24C05,02,20X,05-25C05T																					A						
	2842252		I.(IXAL.PRE2).																					A						
P	2842252		24C17,01,20X																					A						
	2842254		I.PRE1.CO-1																					A						
P	2842254		32C35,38,43																					A						
	2842256		I.PRE1.INDX																					A						
P	2842256		32C45,39,42																					A						
	2842400		BRPRE4 = I.NBRPRE4.																					A						
P	2842400		24C25,23,29X,25-16C25C-16D25C-12D13T																					A						
	2842450		NBRPRE4 = I*+. (NANLZ.PRE3).NPRE/34.																					A						
P	2842450		22C23,\$,\$,27,26,25X,23-25C28T																					A						
	2842452		+.PRE4.NBCZ.																				+.FAMT.PH3-B..	A						
P	2842452		22C\$,28,24,25X.																				\$.37,34,38,33X	A						
	2842454		+.(FULI+FULCFI).PRE1																				.NCO.NANLZ	A						
P	2842454		22C\$,35,36,39,40X																					A						
	2843800		BRSW8 = I.NBRSW8																					A						
P	2843800		28E46,47X,46-26F25T																					A						

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	2844350		NBRW13 = 1*+. (FA10.PH5.SW9).AVO																					C																										
	2844350		22D23, \$. \$. 06, 07, 23-10F04T																					A																										
P	2844352		+. (IOPH2.SW15).BCZ										+. (IOPH2.SW15).GND1422											C																										
	2844352		22D\$. 15X, 29X,										\$. 15X, 14											A																										
P	2844354		+. (IOPH2.SW14).BCZ																					A																										
	2844354		22D\$. 20, 21																					A																										
P	2844356		+. (VDATAIN+VDATAOUT).										+. GND1422.											A																										
	2844356		22D\$. 18, 19.										\$. 12, 17X											A																										
P	2844358		1*+. (FA10/1.PH5).SW10.R31-1																					A																										
	2844358		28E30X, \$. \$. 41, 40, 50																					A																										
P	2844360		+. (IOPH1.SW11).NIFAM.NSW3																					A																										
	2844360		28E\$. 45, 43, 42																					A																										
P	2844362		1.AVO.10B0.10ENNIN																					A																										
	2844362		28E15, 25, 26, 18																					A																										
P	2844370		1.(FA10/1.PH5).SW9.RZ.																					A																										
	2844370		20D34, 24, 23, 22, 28																					A																										
P	2844500		BRSW15 = 1.NBRW15																					A																										
	2844500		28F15, 13, 15-26F08T																					A																										
P	2844550		NBRW15 = 1*+. (IOPH0.SW13)-F.ORDERIN+										+. (IOPH3.SW15).											A																										
	2844550		28E29, \$. \$. 22, 23,										\$. 24, 19, 29-10F05T											A																										
P	2844552		+. (IOPH2.SW15).NBCZ																					A																										
	2844552		28E\$. 21, 20																					A																										
P	2900100		NBX = 8.NBXBL1.NBXBR1																					A																										
	2900100		30P02, 03, 09, 02-29M04C-29N04C-16L10T																					A																										
P	2900101		8.NBXBR2.NBXS																					A																										
	2900101		30P01, 10, 11																					A																										
P	2900102		8.NBXFP.NBXP/1.NBXP/2																					A																										
	2900102		30P12, 05, 06, 07																					A																										
P	2900104		1.PRE3-H.FAMDS																					A																										
	2900104		19P46, 40, 41																					A																										
P	2900106		8.NPH10.																					A																										
	2900106		30N17, 01, 20X																					A																										
P	2900110		BX-0 = 1.NBX.NINTRAP1																					A																										
	2900110		29P26, 29X, 24, 26-29M05C-29N05C-22M01T																					A																										
P	2900120		BX-2 = 1.NBX .																					A																										
	2900120		29P27, 29X, 22, 27-06Q08T																					A																										
P	2900130		BX-3 = 1.NBX .																					A																										
	2900130		29P28, 29X, 21, 28-06Q22T																					A																										
P	2900140		BX/1 = 1.NBX.NBX/4																					A																										
	2900140		29P25, 29X, 23, 25-29M45C-29N45C-11M40T																					A																										
P	2900142		NBX/4 = 8.NINTRAP1.N(FUMH.PH4)																					A																										
	2900142		30P36, 44, 37																					A																										

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	3060102		S/CC1	=*(S/CC1/3).										+.GND2612											A																									
P	3060102			12Q50X,50X,47,36X,										50X,37X											A																									
	3060104			+.S0.CCXS/0										+.S24.CCXS/3											A																									
P	3060104			13Q50X,30,33X,										50X,29,31X											A																									
P	3060106			+.TESTS .GND2613										+.FNORM.FUSF/1											B																									
P	3060106			13Q50X,27X,28,										13Q21X,22,20X											A																									
	3060108			+.CC3.(FACOMP/L.PH2)										+.K00.CC1XK00.											A																									
P	3060108			13Q21X,24,23X,										11Q07X,04,05,06X											A																									
	3060110			+.A0.NCC1.FUS/1.										+.K23.CC1XK23.											A																									
P	3060110			11Q07X,03,20,02,19X,										\$.08,09,10											A																									
	3060116		R/CC1	=.(R/CC1)																					A																									
P	3060116			12Q45																					A																									
	3060118		C/CC1	=.CL-32P24																					A																									
P	3060118			12Q01X																					A																									
	3060125		CC1/L	=.LD.CC1.																					A																									
P	3060125			17L\$,39,36X																					A																									
	3060130		(R/CC1)	=I.N(R/CC).N(R/CC1/1).N(R/CC1/2).NCC1XK00																					A																									
P	3060130			21P34,24,23,22,28,34-17Q45T																					A																									
	3060135		N(R/CC1/1)	=I*+.(FA10.PH1).										+.CC1XK23.											F																									
P	3060135			18E31,\$\$,47,44X,\$.25,28X,31-02F08C-31Q08C-22P26T																					A																									
	3060136			+.FASH.NFUMH.PRE3-E																					A																									
P	3060136			18E\$,36,39X,35																					A																									
	3060140		N(R/CC1/2)	=I.A0.FUS/1																					A																									
P	3060140			21P02,03,09,02-22P22T																					A																									
	3060150		N(S/CC1/1)	=I*+.(FAST.PH9).SW1																					A																									
P	3060150			14E14,\$\$,04,12,14-02F09C-31Q09C-22P05T																					A																									
	3060152			+. (FUSF.PH8).NFL2.FL3										+. (ANLZ.PRE3).NFAIM.N03											A																									
P	3060152			14E\$,03,02,13,										\$.17,28,27											A																									
	3060154			I*+.(FA10.PH5).SW8).SW7.NDOR.																					A																									
P	3060154			13D14,\$\$,01,02,03,04X																					A																									
	3060156			+. (ANLZ.PRE3).N01-1																					A																									
P	3060156			13D\$,17,15																					A																									
	3060158			I*+.(FA10.PH4).NSW0-2.COND1																					C																									
P	3060158			28E14,\$\$,02,03,13																					C																									
	3060160			+.CCXTRACC.TRACC1.																					C																									
P	3060160			28E\$,17,27,28																					C																									
	3060162			+.CCXRWD.KSS1																					C																									
P	3060162			28E\$,04,12																					C																									
	3060165		(S/CC1/3)	=I.N(S/CC1/1).N(S/CC1/FP)																					A																									
P	3060165			21P12,05,07,06,12-17Q47T																					A																									
	3060167		N(S/CC1/FP)	=-NS																					A																									
P	3060167			32L35,35-29M09C-29N09C-31L35T																					A																									

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L						
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	3060170		CC1-1	=I.NCC1.											A
	3060170			04F25,23,29X,25-10F10T											A
P	3060180		CC1XK00	=I.NCC1XK00.											A
	3060180			13N19,03,20X,19-13P50T											A
P	3060185		NCC1XK00	=I*+. (FAMT.PH2.NINTRAP).				+ .FAARITH. (PH1+PH3)...							A
	3060185			18F04, \$. \$. 07,06X, \$. 11,10,09,08,14X,04-02F05C-31005C-19N28T											B
P	3060187			I.FUAMM. (PH1+PH3)											A
	3060187			11F01,10,11											A
P	3060200		CC2	=FF											A
	3060200			12Q31,31-05M13C-05N13C-16L35T											A
P	3060201		NCC2	=NFF											A
	3060201			12Q26,26-32Q12C-01C12C-15C13C-15D13C-26D25T											A
P	3060202		S/CC2	=+.(S/CC2/3).				+ .GND2612							A
	3060202			12Q46X,46X,43,36X,				46X,37X							A
P	3060204			+.(S15-S16).PROBOVER/H..											A
	3060204			11Q43X,50,47,42X,46X,											A
P	3060205			+.(S00-S0).PROBOVER.											A
	3060205			11Q43X,45,44,46X											A
P	3060206			+.(S0016Z+S0016W). (FUSTH.ENDE).											A
	3060206			11Q43X,40,41,42X											A
P	3060208			+ .NA0.A1.FUS/1				+ .A0.NA1.FUS/1.							A
	3060208			11Q35X,39,38,37X,				\$.36,30,37X,31X							A
P	3060210			+ .NS0031Z. (S/CC2/NZ).				+ .S1.CCXS/0							A
	3060210			11Q35X,33,34,31X,				13Q47,39,33X							A
P	3060212			+ .S25.CCXS/3				+ .TESTS .GND2613							B
	3060212			13Q47,40,31X,				\$.27X,41							A
P	3060214			+ .A0.FUSF/1				+ .CC4. (FACOMP/L.PH2)							A
	3060214			13Q19,26,20X,				\$.25,23X							A
P	3060216		R/CC2	=.(R/CC2)											A
	3060216			12Q44											A
P	3060218		C/CC2	= .CL-32P24											A
	3060218			12Q01X											A
P	3060225		CC2/L	=-LD.CC2.											A
	3060225			17L\$,35,36X											A
P	3060230		(R/CC2)	=I.N(R/CC).N(R/CC2/1).N(R/CC2/2).NPROBOVER											A
	3060230			21P14,21,20,29,19,14-17Q44T											A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																																																									
			1	2	3	4	5	6	7	8	9	0		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
	3060233		N(R/CC2/1) = I*+. FAMDS.NFUMH.PRE3-E											A																																																								
P	3060233		18E41, \$. \$, 37, 39X, 38, 41-02F06C-31Q06C-22P20T											A																																																								
	3060234		+. PROBOVER.											A																																																								
P	3060234		18E\$, 45, 44X,											A																																																								
	3060235		I*+. (FUSF.PH8). FL3.NFUMH											A																																																								
P	3060235		18E42, \$. \$, 40, 50, 39X											A																																																								
	3060236		+. (FUSTH.ENDE).											A																																																								
P	3060236		18E\$, 43, 44,											A																																																								
	3060238		I. (FAIO.PH1).											F																																																								
P	3060238		21E18, 04, 20X											A																																																								
	3060240		N(R/CC2/2) = I.NB31. (DIT(MC=30'))											A																																																								
P	3060240		21P46, 40, 41, 46-22P29T											A																																																								
	3060253		N(S/CC2/1) = I*+. FADW. (ANLZ.PRE3)											A																																																								
P	3060253		18D22, \$. \$, 04, 03X, \$. 01, 03X, 22-02F07C-31Q07C-22P14T											A																																																								
	3060254		+. FADIV.PH4-D											A																																																								
P	3060254		18D\$, 13, 30X,											A																																																								
	3060255		+. CCXRWD.KSS2											A																																																								
P	3060255		18D\$, 26X, 02,											A																																																								
	3060256		+. A12-1. (FAIO.PH5.SW12)											C																																																								
P	3060256		18D\$, 08, 09											A																																																								
	3060257		I. (FAIO.PH4). NSW0-2.COND2.											A																																																								
P	3060257		17E15, 30, 18, 31, 17											A																																																								
	3060258		I. (FAIO.PH5.SW8). SW7.NIOR.											A																																																								
P	3060258		17E14, 21, 20, 29, 19											A																																																								
	3060265		(S/CC2/3) = I.N(S/CC2/1).N(S/CC2/FP).N(S/CC2/4)											A																																																								
P	3060265		20P06, 14, 08, 07, 06-17Q46T											A																																																								
	3060267		N(S/CC2/4) = I.S0007Z.S0815Z. (FASTABORT.ENDE)											A																																																								
P	3060267		19P34, 22, 23, 24, 34-28P19T											A																																																								
	3060270		N(S/CC2/FP) = -NS											A																																																								
P	3060270		32L36, 36-29M10C-29N10C-31L36T											A																																																								
	3060283		(S/CC2/NZ) = B*+. FACOMP/1.ENDE											A																																																								
P	3060283		12F47, \$. \$, 30, 29, 41X, \$. 28, 36, 35X, 47-02F17C-31Q17C-17Q07T											A																																																								
	3060285		I.OU1.											A																																																								
P	3060285		21E27, 22, 29X											A																																																								
	3060290		CC2-1 = I.NCC2.											A																																																								
P	3060290		04F27, 22, 29X, 27-11C09C-11D09C-22B18T											A																																																								
	3060300		CC3 = FF											A																																																								
P	3060300		12Q30, 30-05M21C-05N21C-16L31T											A																																																								
	3060301		NCC3 = NFF											A																																																								
P	3060301		12Q29											A																																																								

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L	
			1	2	3	4	5	6			7
			10	1	2	3	4	5	6	7	
P	3060302		S/CC3	=	++	(S/CC3/1).			+GND2612		A
	3060302					12Q41X,41X,42,36X,			41X,37X		A
	3060304					+S2.CCXS/0			+S26.CCXS/3		A
P	3060304					13Q02X,15,33X,			\$,17,31X		A
	3060306					+SGTZ.TESTS					B
P	3060306					13Q02X,18,27X					A
	3060307					+FUMTHOVER.CC4					A
P	3060307					11Q29X,22,23					A
	3060308					+FUMTSIGN.FL3.NS1631Z..					A
P	3060308					11Q29X,27,26,25,24,28					A
	3060310		(S/CC3/1)	=	I.N(S/CC3/1).						A
P	3060310					32F46,30,50X,46-02F33C-31Q33C-13P31T					A
	3060316		R/CC3	=	(R/CC3)						A
P	3060316					12Q40					A
	3060318		C/CC3	=	.CL-32P24						A
P	3060318					12Q01X					A
	3060325		CC3/L	=	LD.CC3.						A
P	3060325					17L\$,31,36X					A
	3060330		(R/CC3)	=	I.N(R/CC).NTESTS.NFUMTSIGN.						A
P	3060330					21P15,30,17,18,31,15-17Q50T					A
	3060350		N(S/CC3/1)	=	I*+.(FAST.PH9).SW3				+CCXRWD.KSS3		A
P	3060350					18D25,\$\$,46,50,			\$.26X,47,25-26F30T		A
	3060351					+DIOIND.DIO51			+CCXTRACC.TRACC3		A
P	3060351					18D\$,43,42,			\$.17X,33		A
	3060352					+.(ANLZ.PRE3).SW5					A
P	3060352					18D\$,44,45					A
	3060400		CC4	=	FF						A
P	3060400					12Q33,33-05M09C-05N09C-16L27T					A
	3060401		NCC4	=	NFF						A
P	3060401					12Q34,34-32Q25C-01C25C-16B34T					A
	3060402		S/CC4	=	++	(S/CC4/1).			+GND2612		A
P	3060402					12Q39X,39X,35,36X,			39X,37X		A
	3060404					+S3.CCXS/0			+S27.CCXS/3		A
P	3060404					13Q04X,10,33X,			\$.09,31X		A
	3060406					+(S/CC4/2).TESTS					B
P	3060406					13Q04X,08,27X					A
	3060408					+FUMTHOVER.CC3.					A
P	3060408					11Q01,14,21,19X					A
	3060410		(S/CC4/1)	=	I.N(S/CC4/1).						A
P	3060410					32F47,31,50X,47-02F27C-31Q27C-13P30T					A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L	
1	2 3 4 5 6 7 8	9	10 12 3 4 5 6 7 8 9	20 23 4 5 6 7 8 9 30	2 3 4 5 6 7 8 9 40	2 3 4 5 6 7 8 9 50	2 3 4 5 6 7 8 9 60	2 3 4 5 6 7 8 9 70
P	3060412		(S/CC4/2)=B*+.NFACOMP.S0			+. (FASTABORT.ENDE).S1631Z	A	
	3060412		26N20,\$,\$.02,01,			\$.21,22,20-13P14T	K	
P	3060414		+ .FACOMP.S00				A	
	3060414		26N\$.24,23				A	
P	3060416		R/CC4	=.(R/CC4)			A	
	3060416		12Q38				A	
P	3060418		C/CC4	= .CL-32P24			A	
	3060418		12Q01X				A	
P	3060425		CC4/L	=-LD.CC4.			A	
	3060425		17L\$.27,36X				A	
P	3060430		(R/CC4)	=I.N(R/CC).NTESTS.NFUMTSIGN			A	
	3060430		21P33,26,25,27,33-17Q33T				A	
P	3060450		N(S/CC4/1)=I*+. (FASTNABORT.PH9).SW4			+.FAIM.(ANLZ.PRE3)	A	
	3060450		18D23,\$,\$.19X,18,			\$.15X,29X,23-26F31T	A	
	3060451		+ .DIOIND.DIO52				A	
P	3060451		18D\$.06,07				A	
	3060452		+ .CCXRWD.KSSH				A	
P	3060452		18D\$.20,21				A	
	3060453		+ .CCXTRACC.TRACC4			+.FAIM.GND1418	A	
P	3060453		18D\$.17X,12.			\$.15X,14	A	
P	3077000		CC1XK23	=B.(FAMT.PH2.NINTRAP).0U7			A	
	3077000		16F35,43,38,35-02E17C-31P17C-13P33T				A	
P	3078000		CCXRWD	=B.FARWD.B1619Z.PH1-B			A	
	3078000		08A33,26,25,27,33-19C20C-19D20C				A	
P	3078500		CCXS/0	=B*+.FUINT.PH1-D.		+.PSW1XS..	A	
	3078500		28D01,\$,\$.20,21,12X,\$.19,18,07X,01-			01D30C-32N30C-13P29T	A	
P	3078530		CCXS/3	=B.FALCF.PH1-F.R30-1.			A	
	3078530		27F15,30,18,31,17,15-01D33C-32N33C-13P28T				A	
P	3078800		CCXTRACC	=B.(FAPSD.PH4).07 .TRAP			A	
	3078800		17B12,06,05,07,12-19C10C-19D10C-30E37T				A	
P	3079000		CCZ	=B.NCC1.NCC2.NCC3.NCC4			A	
	3079000		10P47,42,43,44,45,47-06Q14T				A	
P	3107000		CEINT	=FF			A	
	3107000		18T22,22-24R26C-24Q26C-32Q07C-01C07C-26A07T				A	
P	3107001		NCEINT	=NFF			A	
	3107001		18T24				A	

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L									
	1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70		
P	3163125		(S/CIF/1)	=B.INHXWD.B27/1.B29-1.													A	
P	3163125			17B14,21,29,20,19,14-02A14C-31K14C													A	
P	3163130		(S/CIF/2)	=B.S5.PSW2XS													A	
P	3163130			27K01,10,11													A	
P	3163140		(R/CIF)	=B*+.INHXWD.B29 ...													A	
P	3163140			26K19,\$\$,12,13,17,18,14X,\$\$,15,06X,19-22M35T													A	
P	3180380		CK-32P38	=NS													A	
P	3180380			32P38,38-19K05T-19K06T-19K07T-19K08T-19K14T													B	
P	3180420		CK-32P42	=NS													A	
P	3180420			32P42,42-09K14T-08K05T-08K06T-08K07T-08K08T													B	
P	3180430		CK-32P43	=NS													A	
P	3180430			32P43,43-09N50T-09N45T-09N44T-09N40T-09N38T													B	
P	3180450		CK-32P45	=NS													A	
P	3180450			32P45,45-05S05T-05S06T-05S07T-05S40T-05S44T													B	
P	3180470		CK-32P47	=NS													A	
P	3180470			32P47,47-06T05T-06T06T-06T07T-06T08T													B	
P	3181000		CK/1	=CLD*+.FMCL/1.PULLUP.PULLUP.PULLUP													A	
P	3181000			29S13X,\$\$,40,41,42,43,13-26T43C													A	
P	3181002			+....GND2829													A	
P	3181002			29S\$,08,05,06,10.													A	
P	3181003			+....GND2829													A	
P	3181003			29S\$,45,40,47,44													A	
P	3181004		CK/2	=CLD													A	
P	3181004			29S15,15-26T40C													A	
P	3181006		CK/3	=CLD													A	
P	3181006			29S17,17-26T36C													A	
P	3181008		CK/4	=CLD													A	
P	3181008			29S19,19-26T50C													A	
P	3181010		CK/5	=CLD													A	
P	3181010			29S21,21-26T45C													A	
P	3181012		CK/6	=CLD													A	
P	3181012			29S23,23-28T01C													A	
P	3181014		CK/7	=CLD													A	
P	3181014			29S25													A	
P	3181016		CK/8	=CLD													A	
P	3181016			29S27													A	
	1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70		

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60		
	3201042		CL/6	=-CLD						A
P	3201042			25T23,23-26T34C-26T30C						A
	3201044			-CLD						A
P	3201044			27T23						A
	3201046			-CLD						A
P	3201046			29T23						A
	3201048		CL/7	=-CLD						A
P	3201048			25T25,25-26T26C						B
	3201050			-CLD						A
P	3201050			27T25						A
	3201052			-CLD						A
P	3201052			29T25						A
	3201054		CL/8	=-CLD						A
P	3201054			25T27,27-26T18C-26T14C						A
	3201056			-CLD						A
P	3201056			27T27						A
	3201058			-CLD						A
P	3201058			29T27						A
	3201060		CL/9	=-CLD						A
P	3201060			25T29,29-26T10C-26T07C						A
	3201062			-CLD						A
P	3201062			27T29						A
	3201064			-CLD						A
P	3201064			29T29						A
	3201066		CL/10	=-CLD						A
P	3201066			25T31,31-26T03C-26T01C-30T21C						A
	3201068			-CLD						A
P	3201068			27T31						A
	3201070			-CLD						A
P	3201070			29T31						A
	3201072		CL/11	=-CLD						A
P	3201072			25T33,33-30T19C-30T17C-30T12C						A
	3201074			-CLD						A
P	3201074			27T33						A
	3201076			-CLD						A
P	3201076			29T33						A
	3201078		CL/12	=-CLD						A
P	3201078			25T35,35-30T08C-30T06C-30T04C						A
	3201080			-CLD						A
P	3201080			27T35						A
	3201082			-CLD						A
P	3201082			29T35						A
	3202100		/CL1/	=-BCD*B.1MC.						A
P	3202100			09F\$,01,06F44,42,50X						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																																													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
	3241250		CLFPBUSSC3										=-NS											A																																													
P	3241250		31T38,38-32T38																					A																																													
	3243000		CLIS										=-BCR*/CLIS1/ 07F36,S											A																																													
P	3243000																							A																																													
	3243050		/CLISC/										=-BCD*B.1MC 05F\$,35,06F11,12											A																																													
P	3243050																							A																																													
	3243100		/CLIS1/										=-BCD*GND1607 07F\$,35											A																																													
P	3243100																							A																																													
	3270200		CNA										=FF 17T04,04-19Q43C-19R43C											A																																													
P	3270200																							J																																													
	3270201		NCNA										=NFF 17T05											A																																													
P	3270201																							J																																													
	3270202		S/CNA										=+.D10FS.EWDM.NCNB.. 17T03X,17S28,27,26,25,24,29X											A																																													
P	3270202																							J																																													
	3270203												+. (S/A1B).GND2917 17T03X,10X,24,										+.GND2917 03X,17X	A																																													
P	3270203																							J																																													
	3270204		R/CNA										= 17T15											A																																													
P	3270204																							A																																													
	3270206		C/CNA										=.N1MCS 17T01X											A																																													
P	3270206																							A																																													
	3270250		CNB										=FF 17T31											A																																													
P	3270250																							A																																													
	3270251		NCNB										=NFF 17T26											A																																													
P	3270251																							A																																													
	3270252		S/CNB										=+.CNA. 17T46X,46X,43,36X,										+.GND2917 46X,37X	A																																													
P	3270252																							A																																													
	3270254		R/CNB										=.ND10FS 17T44											A																																													
P	3270254																							A																																													
	3270256		C/CNB										=.N1MCS 17T01X											A																																													
P	3270256																							A																																													
	3271000		CNLK										=FF 17T33											A																																													
P	3271000																							A																																													
	3271001		NCNLK										=NFF 17T34											A																																													
P	3271001																							A																																													

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS	REMARKS	C/L
			10	20	30				40	50	60	70
	3281020		C/CPUL1	= .-SWC * 8KC .	(UP FOR 8KC)		SWITCH 15	A
P	3281020			02K43,03K09,08				A
	3281030			* -SWC * 2KC .	(UP FOR 2KC)		SWITCH 14	A
P	3281030			03K10,17,15				P
	3281040			* -SWC * 500CPS.			SWITCH 13	A
P	3281040			03K18,24,23				P
	3281050			* -SWC * RTC .			SWITCH 12	A
P	3281050			03K25,31,30				P
	3281060			* ECPUL1				A
P	3281060			03K33				A
	3282000		CPUL2	=FF				A
P	3282000			02K29,29-01M36C-01R36C-20R13T				A
	3282010		E/CPUL2	= .IS3				A
P	3282010			02K31				A
	3282020		C/CPUL2	= .-SWC * 8KC .	(UP FOR 8KC)		SWITCH 10	A
P	3282020			02K25,03K05,04				A
	3282030			* -SWC * 2KC .	(UP FOR 2KC)		SWITCH 9	A
P	3282030			03K06,14,13				P
	3282040			* -SWC * 500CPS.			SWITCH 8	A
P	3282040			03K19,27,26				P
	3282050			* -SWC * RTC.			SWITCH 7	A
P	3282050			03K28,37,36				P
	3282060			* ECPUL2				A
P	3282060			03K41				A
	3283000		CPUL3	=FF				A
P	3283000			02K20,20-01M44C-01R44C-20R14T				A
	3283010		E/CPUL3	= .IS4				A
P	3283010			02K21				A
	3283020		C/CPUL3	= .-SWC * 8KC .	(UP FOR 8KC)		SWITCH 5	A
P	3283020			02K17,03K02,01				A
	3283030			* -SWC * 2KC .	(UP FOR 2KC)		SWITCH 4	A
P	3283030			03K03,11,07				P
	3283040			* -SWC * 500CPS.			SWITCH 3	A
P	3283040			03K12,21,20				P
	3283050			* -SWC * RTC.			SWITCH 2	A
P	3283050			03K22,34,29				P
	3283060			* ECPUL3				A
P	3283060			03K35				A
	3284000		CPUL4	=FF				A
P	3284000			02K01,01-01M46C-01R46C-20R15T				A
	3284010		E/CPUL4	= .IS5				A
P	3284010			02K05				A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L								
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	3284020		C/CPUL4	=	.500CPS, PIN 04	IS COMMON WITH PIN 03	A								
P	3284020				02K03		A								
P	3298600		/CPURST/	=-BCD*8.RESET-1			A								
P	3298600				27N\$,39,30N11,12		A								
P	3298605		/CPURSTE/	=-BCD*GND2831			A								
P	3298605				31S\$,39		A								
P	3298610		/CPURSTI/	=-BCD*GND2826			A								
P	3298610				26S\$,39		A								
P	3314000		COND1	=I.NCOND1.			A								
P	3314000				21D34,40,33,34-23D33C-23C33C-25C26T		F								
P	3314010		NCOND1	=-BCR*/NCOND1C/			A								
P	3314010				05F27,\$		A								
P	3314012				I.NIOPEX.		J								
P	3314012				32F18,04,20X		J								
P	3314020		/NCOND1C/	=-BCD*GND1605			A								
P	3314020				05F\$,25		A								
P	3314030		/NCOND1I/	=-BCD*GND1607			A								
P	3314030				07F\$,25		A								
P	3314100		COND2	=I.NCOND2.			A								
P	3314100				21D19,03,20X,19-16E31T		A								
P	3314110		NCOND2	=-BCR*/NCOND2C/			A								
P	3314110				05F34,\$		A								
P	3314115				I.NIOPEX.		X								
P	3314115				28F34,40,33X,		X								
P	3314120		/NCOND2C/	=-BCD*GND1605			A								
P	3314120				05F\$,33		A								
P	3314130		/NCOND2I/	=-BCD*GND1607			A								
P	3314130				07F\$,33		A								
P	3315100		CROSS	=I.NCROSS.			A								
P	3315100				07R28,21,29X,28-19S08T		A								
P	3315110		NCROSS	=I.CROSSADD.(MRC.DRQ)			A								
P	3315110				12S25,27,26,25-20R46T		F								

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	3315120		CROSSADD = B.NP15.NP16.NP17.NP18																					A																										
P	3315120		03R15,17,18,30,31																					A																										
	3315121		B.NP19.NP20.NP21.NP22																					A																										
P	3315121		03R14,19,20,21,29																					A																										
	3315122		B.NP23.NP24.NP25.NP26																					A																										
P	3315122		03R34,22,23,24,28																					A																										
	3315123		B.NP27.NI0IN-1																					A																										
P	3315123		03R35,38,43																					A																										
	3315124		B.NCLEARMEM.NRESET-1																					A																										
P	3315124		03R36,37,44																					A																										
	3315130		NCROSSADD = I.CROSSADD.																					A																										
P	3315130		14S27,22,29X,27-19S38T																					A																										
	3315132		NCROSSCL = I.DR/I.CROSSEN																					A																										
P	3315132		30S12,06,05,12-27S12T																					A																										
	3315134		CROSSD = FB*+.CROSSD.(R/ACCLG)										+.CROSS.CROSSDCL.DR/I.											A																										
P	3315134		21S14,\$,\$,17,15,										\$,.03,02,01,04X,14-11S26T											A																										
	3315136		NCROSSD = I.CROSSD.																					A																										
P	3315136		14S26,24,29X,26-06R06T																					A																										
	3315140		CROSSDCL = -BDS*DL1/170																					A																										
P	3315140		24T34,41,34-19S02T																					A																										
	3315150		CROSSEN = B.CROSSADD.(MRC.DRQ).NCROSSD																					A																										
P	3315150		03R33,25,26,27,33-24Q01C-24R01C-13P47T																					A																										
	3315154		NCROSSEN = I.CROSSEN																					J																										
P	3315154		20P15,13,15-01P44T																					F																										
	3315160		CROSSEN R = B.CROSSEN.NMBXS																					A																										
P	3315160		03R46,40,41,46-10M07C-10N07C-10Q46C-10R46C-28K40T																					A																										
	3316000		CRYSTAL = -CON																					E																										
P	3316000		01K08,08-01K09																					E																										
	3403000		CXMB-0 = B.DG																					A																										
P	3403000		20L15,13,15-24L33T																					A																										
	3403100		CXMB-1 = B.DG																					A																										
P	3403100		20L11,12,11-30M34T																					A																										
	3403200		CXMB-2 = B.DG																					A																										
P	3403200		06P46,30,46-13P07T																					A																										
	3403300		CXMB-3 = B.DG																					A																										
P	3403300		06P47,31,47-06Q29T																					A																										

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L
	1	2	3	4	5	6	7
	10	11	12	13	14	15	16
	20	21	22	23	24	25	26
	30	31	32	33	34	35	36
	40	41	42	43	44	45	46
	50	51	52	53	54	55	56
	60	61	62	63	64	65	66
	70	71	72	73	74	75	76
P	3533150		(DATA IN.NSW4)=B.	DATA IN.NSW4			A
P	3533150		24D01,10,11,01-07C28C-07D28C-22B09T				A
P	3533160		(DATA IN.NSW4.NB0)=B.	(DATA IN.NSW4).NB0			C
P	3533160		24D36,44,37				C
P	3533500		DATAOUT =B.NSW1.SW2				A
P	3533500		16F46,40,41,46-03C29C-03D29C-02A27C-31K27C-23K07T				B
P	3563100		DCCL/1 =-IDS*DL2/230				A
P	3563100		24T02,44,02-10M39C-10N39C-19Q12C-19R12C-28K34T				A
P	3563102		-BDS.DL2/180.CROSSENR.NT50P/1.NT8DP				A
P	3563102		22T22,01,20,19,21				A
P	3563200		DCCL/2 =-BDS.CXS.DL1/160..				D
P	3563200		22T27,29,46,28,30,27-10M30C-10N30C-19Q13C-19R13C-28K24T				A
P	3563202		-IDS*DL1/210				D
P	3563202		23T18,20				A
P	3567000		DCSTOP =B*+ .DCSTOP .KRUN.NRESET				N
P	3567000		19A03,\$,\$,09,08, 07X,03-06B09T				A
P	3567010		+ .DCSTOP/1-1.				A
P	3567010		19A\$,11, 10, 12X				A
P	3567040		NDCSTOP =1.DCSTOP..				D
P	3567040		24B15,18,25,26,15-20A20T				D
P	3567100		DCSTOP/1 =B.MR/1.ADMATCH.KADDRSTOP.NIOACT				A
P	3567100		05R15,31,30,18,17,15-01R26C-01M26C-31K06C-02A06C-16B40T				A
P	3567110		DCSTOP/1-1=B.DCSTOP/1.				A
P	3567110		17B46,40,41,46-12A13T				A
P	3641100		DG =-BCR*/DG/				A
P	3641100		18R38,\$,38-10M09C-10N09C-19Q38C-19R38C-24L18T				A
P	3641110		/DG/ =-BCD*GND2718				A
P	3641110		18R\$,37				A
P	3650000		NDIOEXIT =1.DIOEXIT				A
P	3650000		11B11,12,11-11C37C-11D37C-12D37T				A
P	3651000		NDIOFS =FF				A
P	3651000		23A04,04-01C44C-32Q44C-24Q46C-24R46C-19S50T				A
P	3651002		DIOFS =NFF				A
P	3651002		23A05,05-31K24C-24M09C-02A24C-24N09C-24Q25C-24R25C-11S27T				A
P	3651004		S/NDIOFS =*+. DIOIND .NCLEAR				K
P	3651004		23A03X,03X,24,10X, 03X,17X				A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L						
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	3690150		(DIS.NKSXA)	=B.NKSXA.DIS											A
P	3690150			27K46,40,41.46	-10M20C-10N20C										A
P	3690160		(DIS.NKSXD)	=B.NKSXD.DIS											A
P	3690160			27K45,39,42,45	-10M10C-10N10C										A
P	3691000		DIT/1	=B.FADIV.N(I0EN.I0SC)											L
P	3691000			32E17,01,20X,17	-01D28C-32N28C-22P27T										A
P	3691002			I.NPH6.N(S/PH6/I0)											A
P	3691002			31E17,20X,01											A
P	3691004			I.FADIVH.MCZ.											A
P	3691004			31E06,14,08,07											A
P	3691100		(DIT(MC=30))	=B.FADIV-2.CC2.MC6.NMC7											A
P	3691100			07N15,30,18,31,17											A
P	3699100		DIVOVER	=B.(DIT(MC=30)).B31											A
P	3699100			07N01,10,11,01	-31K38C-10M45C-10N45C-02A38C-25C39T										A
P	3740000		DL1/000	=-DL											A
P	3740000			19T46											A
P	3740004		DL1/000S	=-BDS*DL1/000											A
P	3740004			23T34,41,34-22T37T											A
P	3740010		DL1/040	=-DL											A
P	3740010			19T47											A
P	3740020		DL1/050	=-DL											A
P	3740020			19T37											A
P	3740030		DL1/060	=-DL											A
P	3740030			19T31											A
P	3740034		DL1/060S	=-BDS*DL1/060											A
P	3740034			23T26,43,26-19S10T											A
P	3740040		DL1/080	=-DL											A
P	3740040			19T34											A
P	3740044		DL1/080S	=-IDS*DL1/080											A
P	3740044			23T03,46,03-22T41T											A
P	3740049		DL1/160	=-DL											D
P	3740049			19T18											D
P	3740050		DL1/170	=-DL											A
P	3740050			19T22											A
P	3740054		DL1/180	=-DL											F
P	3740054			19T17											F

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	3740240		DL3/040 =-DL																					A																										
	3740240		21T47																					A																										
P	3740250		DL3/050 =-DL																					A																										
	3740250		21T37																					A																										
P	3740260		DL3/080 =-DL																					A																										
	3740260		21T34																					A																										
P	3740264		DL3/080S =-1DS*DL3/080																					A																										
	3740264		24T18,20,18-22T04T																					A																										
P	3740266		DL3/150 =-DL																					A																										
	3740266		21T21																					A																										
P	3740270		DL3/300 =-DL																					A																										
	3740270		21T11																					A																										
P	3740300		S/DL3 =*+.T11.										+.T8.											A																										
	3740300		21T15X,15X,08,06,										15X,12,10											A																										
P	3740302		+.T5.										+.DL3/000S.DL3/080S											F																										
	3740302		18T33,43,41,42,										33,44,45											J																										
P	3800000		DM =FF																					A																										
	3800000		18S04,04-10R47C-10Q47C-10N46C-10M46C-11M46T																					A																										
P	3800002		NDM =NFF																					A																										
	3800002		18S05																					A																										
P	3800004		S/DM =+.PSW1XS.S10										+.GND2818											A																										
	3800004		18S03X,03X,10X,24,										03X,17X											A																										
P	3800006		R/DM =.PSW1XS																					A																										
	3800006		18S22																					A																										
P	3800008		C/DM =.CL-32P34																					A																										
	3800008		18S01																					A																										
P	3811000		DOR =-BCR*/DOR/																					A																										
	3811000		08L38,3,38-32M10C-03E10C-26F05T																					A																										
P	3811020		/DOR/ =-BCD*GND2208																					A																										
	3811020		08L\$,37																					A																										
P	3811100		NDOR =I.DOR.																					A																										
	3811100		21D05,02,20X,05-26F06T																					A																										
P	3811150		(DOR.IOR) =B.DOR.IOR																					A																										
	3811150		21F13,04,08,13-16C50C-16D50C-16B06T																					A																										

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2	3	4	5	6	7	8	9	10
P	3846016		N(S/DRQ/2)	=1*+.INTRAP1.TRAP				+.PH9-B.	A
				18C23,\$,\$,06,07,				\$.12,17X,23-25C4T	A
P	3846017			+.FABRANCH.PRE3-B				+.GND1318.PRE3-B	F
				18C\$,29X,15X,				\$.14,15X	A
P	3846018			+. (IOPH0.SW15).				+. (FAFL.NO2).PH2-B	A
				18C\$,18,19X,				\$.20,21	A
P	3846019			1.006.0L7.PRE/12					A
				13C06,14,08,07					A
P	3846020		DRQ/1	=FB*+.DRQ/1.NACCL/1.				+.FMCL/1.(MRC.DRQ).	A
				22S46,\$,\$,26,25,35X,				\$.31,27,41X,46-19S26T	A
P	3846025		(DRQ+RESET)	=1.NDRQ.NRESET-1.					A
				16T12,05,07,06,12-11S15T					A
P	3846030		DRQAC	=1.DRQ.CL-32P14.					A
				20S06,14,08,07,06-27S23T					A
P	3900100		NDX	=B.NDXC.NDXOR8.NDXS					A
				24P06,14,08,07,06-29M06C-29N06C-24L26T					A
P	3900102			1.MIT/1					A
				20P11,12					A
P	3900104			B.NDXZ					A
				24P10,09					A
P	3900110		DX/08	=1.NDX.					A
				30L18,04,20X,18-24L05T					A
P	3900120		DX/1	=1.NDX.ND0815XZ					A
				21P13,04,08,13-29M07C-29N07C-22M07T					A
P	3900130		DX/0A	=1.NDX.ND0003XZ					A
				21P35,38,43,35-29M08C-29N08C-24L04T					A
P	3900140		DX/2	=1.NDX.N(FUMH.PH4).NDXS/4					A
				29P06,14,08,07,06-01P21T					A
P	3900150		DX/3	=1.NDX.N(FUMH.PH4).NDXS/4.					A
				19P14,21,20,29,19,14-01P50T					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	3905400		NDXS	=I*+.N(FULAD.PRE4).(PRE4.BCZ)																					A																									
P	3905400			05E22,\$,\$,09,08																					A																									
	3905401			+. (IOPHO.SW12).IOPHO																					A																									
P	3905401			05E\$,05,19X,22-02E15C-3										1P15C-22P01T											A																									
	3905402			+.FUMMC-1.PH1-F																					A																									
P	3905402			05E\$,10,11,																					A																									
	3905404			+.FASEL-1.PH2-E																					A																									
P	3905404			05E\$,04,03X,																					A																									
	3905406			+. (FA10/1.PH6).NR31																					A																									
P	3905406			05E\$,30X,13																					A																									
	3905408			I*+.KCLEAR/B.PCP4																					A																									
P	3905408			20E24,\$,\$,28,40X,																					A																									
	3905410			+.SWK12.PCP6																					A																									
P	3905410			20E\$,41X,27,																					A																									
	3905412			+.PCP5.KENTER/B-1																					A																									
P	3905412			20E\$,29X,38,																					A																									
	3905414			+.GND1520.																					C																									
P	3905414			20E\$,37,19X,																					A																									
	3905500		DXS-0	=I.NDXS.																					A																									
P	3905500			29P17,20X,01,17-24N15C-24M15C-24L02T																					A																									
	3905510		DXS-1	=I.NDXS.																					A																									
P	3905510			29P19,20X,03,19-14N38C-14M38C-22M03T																					A																									
	3905520		DXS/2	=I.NDXS.NDXS/4																					A																									
P	3905520			29P18,20X,04,18-01P25T																					A																									
	3905530		DXS/3	=I.NDXS.NDXS/4																					A																									
P	3905530			29P05,20X,02,05-01P43T																					A																									
	3905534		NDXS/4	=I.(IOPHO.SW13).NSW1																					A																									
P	3905534			08F35,38,43,35-02E02C-31P02C-22P09T																					A																									
	3907100		NDXZ	=I.RESET.																					A																									
P	3907100			04F26,24,29X,26-02E39C-31P39C-22P10T																					A																									
	3908000		/ECPUL1/	=-NS																					A																									
P	3908000			02K\$																					A																									
	3908010		ECPUL1	=-BCR* /ECPUL1/																					A																									
P	3908010			02K33,\$																					A																									
	3908020		/ECPUL2/	=-NS																					A																									
P	3908020			02K\$																					A																									
	3908030		ECPUL2	=-BCR* /ECPUL2/																					A																									
P	3908030			02K14,\$																					A																									
	3908040		/ECPUL3/	=-NS																					A																									
P	3908040			02K\$																					A																									

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L	
			10	20	30	40	50	60	70	10	20	30	40	50		60	70
P	4252007		R/EXC	=.CLEAR												A
P	4252007			31A15												A
P	4252009		C/EXC	=.CL-01E01												A
P	4252009			31A01X												A
P	4253000		(NEXC+IXAL)	=I.NIXAL.EXC.NIOACT												D
P	4253000			21C07,02,06,01,07-27C35C-27D35C-15E50T												A
P	4320280		FAADD	=I.NFAADD/I.N(FUAWM.PRE3)												A
P	4320280			10B02,03,09,02-11C50C-11D50C-12D50T												A
P	4320300		NFAADD/1	=I.OLO.NOU7												C
P	4320300			07B36,37,44,36-12A25T												C
P	4320380		FAARITH	=I.NFAADD/1.NFASUB/1												A
P	4320380			10B13,04,08,13-15C50C-15D50C-16E47T												A
P	4320400		NFAARITH	=I.FAARITH.												A
P	4320400			08B05,02,20X,05-22B24T												A
P	4320500		FABRANCH	=B.01.02.N03												A
P	4320500			08A12,06,05,07,12-29B50T												A
P	4320502			I*+.05.04.												A
P	4320502			06A23,\$,\$,27,25X,26,												A
P	4320504			+.N04.N05.												A
P	4320504			06A\$,34,37,38,33X,												A
P	4320540		FABYTE	=I.NFABYTE.												A
P	4320540			08B47,31,50X,47-03E46C-03C47C-03D47C-32M46C-16L28T												A
P	4320550		NFABYTE	=I.01.02.03.												A
P	4320550			09A34,23,22,28,24,34-22B50T												A
P	4320600		(FABYTE.PRE3.P32.P33)	=B.FABYTE.PRE3-F.P32-1.P33-1												A
P	4320600			20F34,24,23,22,28,34-01D42C-32N42C-13P19T												A
P	4320620		(FABYTE.PRE4.(BC=1))	=B.FABYTE.PRE4.(BC=1)												A
P	4320620			20F33,25,27,26,33-01D41C-32N41C-13P17T												A
P	4320800		FACAL	=B.OU0.(NO4,05)												A
P	4320800			08A36,37,44												A
P	4320830		(FACAL.PH1.NTRAP.NSTRAP)	=B.FACAL.PH1-B.(NTRAP.NSTRAP)												A
P	4320830			17A12,07,05,06												A
P	4320900		FACOMP	=I.NOL1.NFUCS.NFACOMP/L												A
P	4320900			10B12,06,05,07,12-01C17C-32Q17C-19N14T												A
P	4320905		NFACOMP	=I.FACOMP												A
P	4320905			13N11,12,11-19N08T												A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
	1 2 3 4 5 6 7 8	9	10 1 2 3 4 5 6 7 8 9	20 1 2 3 4 5 6 7 8 9	30 1 2 3 4 5 6 7 8 9	40 1 2 3 4 5 6 7 8 9	50 1 2 3 4 5 6 7 8 9	60 1 2 3 4 5 6 7 8 9	70
P	4320910		FACOMP/1	=I.NOL1.					A
P	4320910			08B17,01,20X,17-19C21C-19D21C-10F30T					A
P	4320940		FACOMP/L	=I.NFACOMP/L.					A
P	4320940			08B45,43,50X,45-19C06C-19D06C-06E03T					A
P	4320950		NFACOMP/L	=I.OL9.N01.03					A
P	4320950			07A12,07,06,05,12-09C01T					A
P	4320960		(FACOMP/L.PH2)	=B.FACOMP/L.PH2					A
P	4320960			28B41,38,33X,41-01D03C-32N03C-19C41C-19D41C-13P27T					A
P	4321000		FADIV	=I.N(FUDW.NR31).NFADIVH					A
P	4321000			07A36,44,37,36-11C18C-11D18C-30E04T					A
P	4321010		FADIV-2	=B.FADIV					A
P	4321010			14F11,12,11-01D45C-32N45C-10N29C-10M29C-28K14T					A
P	4321020		FADIVH	=I.NFADIVH.					A
P	4321020			04B18,04,20X,18-23C10C-23D10C-30E14T					A
P	4321030		NFADIVH	=I.OU3.OL6.R31-1					A
P	4321030			07B12,06,05,07,12-06B01T					A
P	4321032			I.OU5.OL6					A
P	4321032			07B13,04,08					A
P	4321100		FADW	=I.NFADW.					A
P	4321100			08B46,30,50X,46-16C05C-16D05C-10F34T					A
P	4321110		NFADW	=I.N01.N02.04					A
P	4321110			09A33,25,27,26,33-25C24T					A
P	4321112			I.N01.N02.03					A
P	4321112			09A12,06,05,07					A
P	4321120		FADW/1	=B.OU1.FAS11					A
P	4321120			08A35,43,38,35-31C26C-31D26C-12D45T					A
P	4321125		(FADW/1.PH1)	=B.FADW/1.PH1					A
P	4321125			28B26,24,29X,26-16C12C-16D12C-10F09T					A
P	4321130		(FADW/1.PH2)	=B.FADW/1.PH2					A
P	4321130			28B34,40,33X,34-07C05C-07D05C-06E05T					A
P	4321135		FAFL	=B.N01-1.03 (04.05)					A
P	4321135			03A10,15,18,19,10-16B14T					A
P	4321137		FAFL-1	=B.FAFL					A
P	4321137			14A11,12,11-07C38C-07D38C-02E50C-31P50C-28P13T					A
P	4321140		NFAFL	=I.FAFL-1.					A
P	4321140			21E26,24,29X,26-27C42C-27D42C-32C50T					C

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L						
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
P	4322520		(FAIO.PH5.SW0)=B.(FAIO.PH5).SW0 12C02,03,09,02-26A19T										A A						
P	4322540		(FAIO.PH5.SW8)=B.(FAIO.PH5).SW8 13F26,29X,24,26-30E44T										A A						
P	4322545		(FAIO.PH5.SW9)=B.(FAIO.PH5).SW9 13F25,29X,23,25-26F41T										A A						
P	4322565		(FAIO.PH5.SW13)=B.(FAIO.PH5).SW13 13F27,29X,22,27-16C47C-16D47C-12A50T										A A						
P	4322570		(FAIO.PH5.SW14)=B.(FAIO.PH5).SW14 13F28,29X,21,28-10F24T										A A						
P	4322580		(FAIO/1.PH5)=B.FAIO/1.PH5-E 32E46,50X,30,46-07C07C-07D07C-16B47T										A A						
P	4322620		(FAIO.PH6)=B.FAIO.PH6-E 32E25,29X,23,25-19D14C-19C14C-20A15T										A A						
P	4322680		(FAIO/1.PH6)=B.FAIO/1.PH6-E 32E47,50X,31,47-08F50T										A A						
P	4322720		(FAIO.PH7)=B.FAIO.PH7-D 32E27,29X,22,27-11C46C-11D46C-16B10T										A A						
P	4322750		N(FAIO.PH7)=I.(FAIO.PH7). 27B01,10,11,01-02A07C-31K07C-30M21T										C C						
P	4322820		(FAIO.PH8)=B.FAIO.PH8-B 32E28,29X,21,28-08F47T										A A						
P	4322920		(FAIO.PH9)=B.FAIO.PH9-D 32D36,44,37,36-07C06C-07D06C-16B46T										A A						
P	4323020		FALCF =I.NFALCF 11A10,09,10-11C23C-11D23C-26F17T										A A						
P	4323025		NFALCF =I.OU0.(FULI+FULCFI) 11A27,29X,22,27-06B03T										A A						
P	4323027		I.OU7.OLO 09A35,43,38										A A						
P	4323030		FALCFP =I.NFALCF.NFULRP 09A01,10,11,01-11C24C-11D24C-12D05T										A A						
P	4323100		FALOAD =I.OU0. 11A28,29X,21,28-11C26C-11D26C-12D39T										A A						
P	4323102		I.NFALOAD/I 05C35,39,33X										U A						

CODE	LINE NO.	LOGIC	EQUATIONS	PINS	REMARKS	C/L
1	2	3	4	5	6	7
	4323105	NFALOAD/1 = I .OL2 .				U
P	4323105	09B46,30, 50X, 46-10B47T				U
	4323106	I .OU2 .OLD				U
P	4323106	05B45,39, 42,				U
	4323107	I .OU2 .OL6				U
P	4323107	05B35,38, 43,				U
	4323110	NFALOAD =I .FALOAD				A
P	4323110	11A15,13,15-16B29T				A
	4323130	FALOAD/A =B .OLB .03				A
P	4323130	08A02,03,09				A
	4323132	NFALOAD/A =I .FALOAD/A				A
P	4323132	16A10,09,10-20A08T				A
	4323135	FALOAD/A-1=B .FALOAD/A				A
P	4323135	03B11,12,11-07C08C-07D08C-30D47T				A
	4323150	FALOAD/C =I .NFALOAD/C.				A
P	4323150	04B25,23,29X,25-15C21C-15D21C-16E07T				A
	4323160	NFALOAD/C=I .OLA .03				A
P	4323160	09A36,44,37,36-06B22T				A
	4323220	NFALOGIC =I .OU4 .(04 .NO5) .NOLA				A
P	4323220	11A06,14,08,07,06-16B23T				A
	4323295	FAMDS =I .NFAMDS				A
P	4323295	04B15,13,15-02F22C-31Q22C-16C28C-16D28C-28P35T				A
	4323300	NFAMDS =B .NFAMULNH .NFUMH .N(FUDW .NR31)				A
P	4323300	03A07,01,02,06,07-16C07C-16D07C				D
	4323302	B .NFADIVH .NFUS .NFUSF				A
P	4323302	03A09,03,04:05				A
	4323305	N(NFARWD .NFAMDS)=I .NFARWD .NFAMDS				N
P	4323305	09D46,40,41,46-26D29T				M
	4323310	FAMDST =I .NIFAST/L .NIFAMDS				A
P	4323310	30D13,04,08,13-19E15T				A
	4323312	I .PH6 -E.				B
P	4323312	31F44,42,50X				B
	4323320	FANIMP =I .NFANIMP.				A
P	4323320	11B46,30,50X,46-06B05T				A
	4323340	FAMT =B .NOU1 .OL3 .03				A
P	4323340	03B06,08,14,07,06-03C07C-03D07C-06B10T				A

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8	9	10 12 3 4 5 6 7 8 9	20 2 3 4 5 6 7 8 9	30 2 3 4 5 6 7 8 9	40 2 3 4 5 6 7 8 9	50 2 3 4 5 6 7 8 9	60 2 3 4 5 6 7 8 9	70
P	4323344		(FAMT.PH1)	=B.FAMT.PH1					A
	4323344			28B28,21,29X,28-27C28C-27D28C-12D38T					A
P	4323348		(FAMT.PH2)	=B.FAMT.PH2					A
	4323348			28B35,39,33X,35-27C09C-27D09C-12D34T					A
P	4323354		(FAMT.PH2.NINTRAP)	=B.FAMT.PH2-B.NINTRAP					A
	4323354			32B33,27,25,26,33-19C35C-19D35C					A
P	4323356		(FAMT.PH2.NRZ)	=B.FAMT.PH2-B.NRZ.					A
	4323356			32B14,29,21,20,19,14-22B14T					A
P	4323358		N(FAMT+XPSD)	=I*+ .FAMT .					A
	4323358			18B01,\$.\$.07,08,01-16B21T					A
P	4323359			+ .FAPSD .07					A
	4323359			18B\$.06, .05					A
P	4323360		FAMUL	=I.NFAMULNH.NFUMH					A
	4323360			07A35,38,43,35-27C10C-27D10C-06E24T					A
P	4323380		FAMULNH	=I.NFAMULNH					A
	4323380			04B11,12,11-01D10C-32N10C-03C08C-03D08C-09N10T					A
P	4323390		NFAMULNH	=I.OU3.OL7					A
	4323390			11A05,02,20X,05-09C17T					A
P	4323392			I.OU2.OL3					A
	4323392			07B46,40,41					A
P	4323394		(FAMULNH.PH7)	=B.FAMULNH.PH7..					A
	4323394			31B14,21,20,29,19,14-11C35C-11D35C-16E26T					A
P	4323398		NFANIMP	=I.FAFL.NFPOPTION					A
	4323398			07B35,38,43,35-09C20T					A
P	4324300		FAPRIV	=B.(04.05).N03					A
	4324300			08A13,04,08					A
P	4324320		(FAPRIV.NMASTER)	=B.FAPRIV.NMASTER					A
	4324320			17B02,03,09					A
P	4324350		FAPSD	=I.NFAPSD					A
	4324350			08B10,09,10-29B38T					A
P	4324353		FAPSD-1	=I.NFAPSD.					A
	4324353			05C47,31,50X,47-11C35C-11D36C-16E23T					A
P	4324355		NFAPSD	=I.OU0.06-1.(04.05)					A
	4324355			10B33,26,25,27,33-09C21T					A
P	4324360		(FAPSD.PH1)	=B.FAPSD.PH1-C					A
	4324360			30C05,20X,02,05-25C13T					A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8	9	10 11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29	30 31 32 33 34 35 36 37 38 39	40 41 42 43 44 45 46 47 48 49	50 51 52 53 54 55 56 57 58 59	60 61 62 63 64 65 66 67 68 69	70
P	4324760		FAST/C	=I.NFUPSM.NFUMSP					A
P	4324760			07A46,40,41,46-15C09C-15D09C-26D38T					A
P	4324800		FAST/L	=B.FAST/M.NO7					A
P	4324800			03B25,29X,23,25-19C02C-19D02C-19F47T					A
P	4324820		(FAST/L.PH6)=B.FAST/L.PH6						A
P	4324820			30C45,43,50X,45-11C39C-11D39C-12D20T					A
P	4324850		FAST/M	=I.NFAST/B.NFAST/A					A
P	4324850			10B45,39,42,45-19C03C-19D03C-26D34T					A
P	4324870		(FAST/M.PRE3.NOJ0)=B.FAST/M.NOJ0.(NANLZ.PRE3)						F
P	4324870			30C06,14,07,08,06-11C43C-11D43C-26D01T					A
P	4324900		FAST/S	=B.FAST/M.07					A
P	4324900			03B26,29X,24,26-15C14C-15D14C-26D02T					A
P	4324920		(FAST.PH1/E)=B.FAST-2.PH1-D.SW12.						A
P	4324920			32D34,28,22,23,24,34-27C37C-27D37C-22B20T					A
P	4324940		(FAST/S.PH6)=B.FAST/S.PH6						A
P	4324940			30C47,31,50X,47-16C14C-16D14C-26D10T					A
P	4324960		(FAST.PRE3)=B.FAST-1.PRE3						A
P	4324960			28B44,42,50X,44-16C11C-16D11C-26D05T					A
P	4325000		FASTORE	=I.NFASTORE/3.NFUXW/1.					A
P	4325000			08B06,14,08,07,06-15C17C-15D17C-26D19T					A
P	4325020		FASTORE/1	=I.NFUSTD.NFUXW/1					A
P	4325020			10B01,10,11,01-15C25C-15D25C-19E24T					A
P	4325025		NFASTORE/1	=I.FASTORE/1.					A
P	4325025			04B26,24,29X,26-20A12T					A
P	4325040		FASTORE/3	=B.NO4.05.NO6.03					A
P	4325040			08A15,30,18,31,17					A
P	4325045		NFASTORE/3	=I.FASTORE/3					A
P	4325045			08B15,13,15-09C37T					A
P	4325100		FASUB	=I.NOL1.NFASUB/1.NFACOMP/L.					A
P	4325100			07A34,24,23,22,28,34-15C26C-15D26C-19E35T					A
P	4325120		NFASUB/1	=I.OLB.03					A
P	4325120			10B46,40,41,46-09C44T					A
P	4325150		FAW	=B.NFAIM.NFAHW.NFADW.NFABYTE					A
P	4325150			08A14,21,20,29,19,14-15C27C-15D27C-19E21T					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS	REMARKS	C/L
			10	20	30				40	50	60	70
	4325160		NFAW	=I.FAW.				A
P	4325160			08B41,38,33X,41-09C46T				A
	4325180		FAWORDW	=I.NFAW.NFADW				A
P	4325180			09A02,03,09,02-22B37T				A
	4334100		FCXS	=B.FALCF.PH1-F.R31-1.				A
P	4334100			27F14,29,19,21,20,14-02F23C-31Q23C-13P23T				A
	4334110		NFCXS	=I.FCXS.				A
P	4334110			28F05,02,20X,05-06E04T				A
	4334130		(FCXS+PSW1XS)	=I.NFCXS.N(PSW1XS).NRESET-1.				A
P	4334130			08F34,24,23,22,28,34-02F24C-31Q24C-13P15T				A
	4375100		FL1	=FF				A
P	4375100			12Q02,02-31Q13C-02F13C-06E46T				A
	4375101		NFL1	=NFF				A
P	4375101			12Q21,21-32N12C-01D12C				A
	4375102		S/FL1	=+.RR0.PRE3-H		+ .GND2612		A
P	4375102			12Q18X,18X,25,10X,		18X,17X		A
	4375104			+ .S30.MIT				A
P	4375104			12P40,41,42X,43X				A
	4375107		R/FL1	=.(MIT+CLEAR)				A
P	4375107			12Q23				A
	4375109		C/FL1	= .CL-32P24				A
P	4375109			12Q01X				A
	4375120		FL2	=FF				A
P	4375120			12Q04,04-31Q46C-02F46C				A
	4375121		NFL2	=NFF				A
P	4375121			12Q05,05-32M21C-24M38C-24N38C-03E21C-16C18C-16D18C-29B19T				A
	4375122		S/FL2	=+.P25-1.PRE3-H		+ .GND2612		A
P	4375122			12Q03X,03X,24,10X,		03X,17X		A
	4375124			+ .S31.MIT				A
P	4375124			12P47,50,42X,43X				A
	4375127		R/FL2	=.(MIT+CLEAR)				A
P	4375127			12Q22				A
	4375129		C/FL2	= .CL-32P24				A
P	4375129			12Q01X				A
	4375130		FL3	=FF				A
P	4375130			12Q14,14-31Q50C-02F50C				A

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
	1 2345678	9	10 123456789	20 23456789	30 23456789	40 23456789	50 23456789	60 23456789	70
P	4375131		NFL3	=NFF					A
P	4375131			12Q12,12-32Q37C-01C37C-31C06C-31D06C					A
P	4375132		S/FL3	=++.P31-1.PRE3-H				+ .CC1XK23	A
P	4375132			12Q11X,11X,13,10X,				11X,20	A
P	4375134			+ .FUSF71.S0815Z.S1631Z.80031Z.					A
P	4375134			12P29X,28,27,26,25,24					A
P	4375136			+ .K00.K00HOLD					A
P	4375136			12P29X,23,22					A
P	4375137		R/FL3	= .(R/FL3)					A
P	4375137			12Q15					A
P	4375139		C/FL3	= .CL-32P24					A
P	4375139			12Q01X					A
P	4375150		(R/FL3)	= I++.FUSF.PH8-B				+ .FUS.PH5-E...	A
P	4375150			18E19,\$,\$,06X,15,\$,12,13,17,18,14X,19-02E25C-31P25C-13P10T					A
P	4381100		FMCL/1	=-BDS*DL3/000					A
P	4381100			24T29,47,29-27S46T					A
P	4381102			-1DS*DL3/050					A
P	4381102			24T03,46					A
P	4384000		FNC0	=-BCR*/FNC01/					A
P	4384000			07F06,\$					A
P	4384020		/FNC0C/	=-BCD*B.02.10PXFNC					F
P	4384020			05F\$,02,06F27,22,29X					A
P	4384030		/FNC01/	=-BCD*GND1607					A
P	4384030			07F\$,02					A
P	4384100		FNC1	=-BCR*/FNC11/					A
P	4384100			07F04,\$					A
P	4384120		/FNC1C/	=-BCD*B.06-1.10PXFNC					F
P	4384120			05F\$,01,06F28,21,29X					A
P	4384130		/FNC11/	=-BCD*GND1607					A
P	4384130			07F\$,01					A
P	4384200		FNC2	=-BCR*/FNC21/					A
P	4384200			07F10,\$					A
P	4384220		/FNC2C/	=-BCD*B.07.10PXFNC					F
P	4384220			05F\$,09,06F25,23,29X					F
P	4384230		/FNC21/	=-BCD*GND1607					A
P	4384230			07F\$,09					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L						
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
P	4392400		NFPOPTION=1...										A						
P	4392400		23P06,07,08,14,06-32Q24C-01C24C-20A29T										A						
P	4392600		FORCL =1.NFORCL.NFORCL/1..										A						
P	4392600		16T34,24,23,22,28,34-19S20T										A						
P	4392610		NFORCL =1.STRAP.1MC.2MC										A						
P	4392610		19F14,21,20,29,14-03F09C-32S09C-11S18T										A						
P	4392630		NFORCL/1 =1.FORCLG.NSC1.SC2.NKSC										A						
P	4392630		16T15,30,18,31,17,15-11S10T										A						
P	4392640		FORCLG =FB*+.FORCLG.CEINT.										A						
P	4392640		15T45,\$,\$,38,37,35X,+.RESET-2..										A						
P	4392650		FORCLEN =1.NFORCLEN.										A						
P	4392650		14S28,21,29X,28-27S45T										A						
P	4392652		1.PEM-1.KHOP-2.										J						
P	4392652		30S33,25,26,27										J						
P	4392655		NFORCLEN =FB*+.NFORCLEN.FORCL.										A						
P	4392655		22S01,\$,\$,21,20,12X,+.DL1/060S.FORCL.										A						
P	4395300		FPCLN/1 =B*+.NIOEN.NIOIN.										A						
P	4395300		12F45,\$,\$,40,39,41X,+.NFPRR..										A						
P	4395302		B										A						
P	4395302		12F45,45-01D05C-32N05C-24Q42C-24R42C-27S31T										A						
P	4395320		FPCLN/2 =1.T5EN										A						
P	4395320		14S10,09,10-27S37T										A						
P	4395400		FPCON =B.FAFL-1										A						
P	4395400		13F10,09,10-03E14C-32M14C-32L46C										A						
P	4395402		B*+.PRE3-F.(NANLZ.PRE3).+.PH1-F.D0-1.										Q						
P	4395402		12F01,\$,\$,20,21,12X,\$,18,19,07X										A						
P	4395460		FPDIS =B.DIS.										A						
P	4395460		13M28,21,29,28-32L47C										A						
P	4395600		NFPRR =-NS										A						
P	4395600		32L45,45-31K26C-02A26C-23C25C-23D25C-19E01T										A						
P	4395850		NFPXS =1.NPH8.NDIS-5										A						
P	4395850		30D01,10,11,01-02F10C-31Q10C-22P07T										A						
P	4395954		FPXS-0 =1.NFPXS										A						
P	4395954		23P11,12,11-14N34C-14M34C-11M30T										A						
P	4395956		1.NFPXS										A						
P	4395956		23P10,09										A						

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2,3,4,5,6,7,8	9	10,11,12,13,14,15,16,17,18,19,20	21,22,23,24,25,26,27,28,29,30	31,32,33,34,35,36,37,38,39,40	41,42,43,44,45,46,47,48,49,50	51,52,53,54,55,56,57,58,59,60	61,62,63,64,65,66,67,68,69,70	
P	4421490		NFUMH	=I.OU5.OL7					A
P	4421490			11A19,03,20X,19-15C29C-15D29C-16E22T					A
P	4421495		N(FUMH.PH4)	=I.FUMH.PH4-B.					A
P	4421495			07A33,26,25,27,33-02A33C-31K33C-29M11C-29N11C-28P23T					A
P	4421497		FUMI	=B.OU2.OL3					A
P	4421497			17A36,44,37					A
P	4421500		FUMMC	=B.OU6.OLF					A
P	4421500			03B41,33X,38,41-22B44T					A
P	4421580		(FUMMC.PH6)	=B.FUMMC.PH6					A
P	4421580			30C44,42,50X,44-19C26C-19D26C-22E24T					A
P	4421590		FUMMC-1	=B.FUMMC					A
P	4421590			03B10,09,10-03C11C-03D11C-06E34T					A
P	4421600		FUMSP	=I.NFUMSP					A
P	4421600			08B11,12,11-16B41T					A
P	4421620		NFUMSP	=I.OU1.OL3					A
P	4421620			08B25,29X,23,25-06B12T					A
P	4421630		(FUMSP.PH1/F)	=I.N(FUMSP.PH1/F).					A
P	4421630			23N46,40,41,46-18N34C-18M34C-01L07T					J
P	4421640		N(FUMSP.PH1/F)	=I.FUMSP.PH1/F					A
P	4421640			19B36,44,37,36-19C23C-19D23C-02F26C-31Q26C-19N27T					J
P	4421644		(FUMSP(MC0).NFAIM.N05)	=B.MC0.					J
P	4421644			24K26,24,29X,26-22M44T					J
P	4421646			B.N05.					J
P	4421646			24K25,23,29X					J
P	4421648			B.NFAIM-1.					J
P	4421648			24K27,22,29X					J
P	4421650		FUMTHOVER	=B** .FUMTSIGN.NFL3... +.GND2426.					B
P	4421650			26N19,\$,\$,13,17,18,12,14X,\$,15,06X,19-22P43T					J
P	4421660		FUMTSIGN	=B.FAMT.PH3-B.NINTRAP.					A
P	4421660			18B47,42,43,44,45,47-01C38C-32Q38C-28P14T					A
P	4421662			I.NCC2.OU5					A
P	4421662			07A13,04,08					A
P	4421680		NFUMTSIGN	=I.FUMTSIGN.					A
P	4421680			01Q36,37,44,36-28P15T					C
P	4421700		FUPLM	=B.OU0.OLA					A
P	4421700			08A46,40,41,46-19C37C-19D37C					A

CODE	LINE NO.	CHK	LOGIC EQUATIONS			PINS			REMARKS	C/L	
			10	20	30	40	50	60			70
	4500100		G0003	=B**	.G0						A
P	4500100			29K28	\$. \$.46, 28	-29M47C	-29N47C	-19N46T			A
	4500101				+ .G1 .PR0			+ .G2 .PR0 .PR1			A
P	4500101			29K	\$.44X, 43X,			\$.50X, 43X, 40X			A
	4500102				+ .G3 .PR0 .PR1 .PR2			+ .K00/1 .FADIV-2			A
P	4500102			29K	\$.47X, 43X, 40X, 39X,			\$.38, 45			A
	4500150		G0407	=B**	.G4						A
P	4500150			29K17	\$. \$.02, 17	-29M43C	-29N43C	-19N44T			A
	4500151				+ .G5 .PR4			+ .G6 .PR4 .PR5			A
P	4500151			29K	\$.04X, 05X,			\$.01X, 05X, 10X			A
	4500152				+ .G7 .PR4 .PR5 .PR6			+ .GND2129.			A
P	4500152			29K	\$.06X, 05X, 10X, 09X,			\$.11, 03			A
	4500200		G0811	=B**	.G8						A
P	4500200			30K28	\$. \$.46, 28	-29M50C	-29N50C	-19N50T			A
	4500201				+ .G9 .PR8			+ .G10 .PR8 .PR9			A
P	4500201			30K	\$.44X, 43X,			\$.50X, 43X, 40X			A
	4500202				+ .G11 .PR8 .PR9 .PR10			+ .GND2130.			A
P	4500202			30K	\$.47X, 43X, 40X, 39X,			\$.38, 45			A
	4500250		G1215	=B**	.G12						A
P	4500250			30K17	\$. \$.02, 17	-29M42C	-29N42C	-19N47T			A
	4500251				+ .G13 .PR12			+ .G14 .PR12 .PR13			A
P	4500251			30K	\$.04X, 05X,			\$.01X, 05X, 10X			A
	4500252				+ .G15 .PR12 .PR13 .PR14			+ .GND2130.			A
P	4500252			30K	\$.06X, 05X, 10X, 09X,			\$.11, 03			A
	4500300		G1619	=B**	.G16						A
P	4500300			17N28	\$. \$.46						A
	4500301				+ .G17 .PR16			+ .G18 .PR16 .PR17			A
P	4500301			17N	\$.44X, 43X,			\$.50X, 43X, 40X			A
	4500302				+ .G19 .PR16 .PR17 .PR18			+ .GND2417.			A
P	4500302			17N	\$.47X, 43X, 40X, 39X,			\$.38, 45			A
	4500350		G2023	=B**	.G20						A
P	4500350			17N17	\$. \$.02						A
	4500351				+ .G21 .PR20			+ .G22 .PR20 .PR21			A
P	4500351			17N	\$.04X, 05X,			\$.01X, 05X, 10X			A
	4500352				+ .G23 .PR20 .PR21 .PR22			+ .GND2417.			A
P	4500352			17N	\$.06X, 05X, 10X, 09X,			\$.11, 03			A
	4500400		G2427	=B**	.G24						A
P	4500400			16N28	\$. \$.46						A
	4500401				+ .G25 .PR24			+ .G26 .PR24 .PR25			A
P	4500401			16N	\$.44X, 43X,			\$.50X, 43X, 40X			A
	4500402				+ .G27 .PR24 .PR25 .PR26			+ .GND2416.			A
P	4500402			16N	\$.47X, 43X, 40X, 39X,			\$.38, 45			A

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CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
	4500450		G2831	=B*+.G28												A
P	4500450			16N17, \$., \$.02												A
	4500451			+ .G29.PR28												A
P	4500451			16N\$.04X,05X,												A
	4500452			+ .G31.PR28.PR29.PR30												A
P	4500452			16N\$.06X,05X,10X,09X,												A
	4532000		/GATCLK/	=-BCD*B.GCLK-0												A
P	4532000			27N\$.45,30N10,09												A
	4532010		/GATCLKE/	=-BCD*GND2831												A
P	4532010			31S\$,45												A
	4532020		/GATCLKI/	=-BCD*GND2826												A
P	4532020			26S\$,45												A
	4561000		GCLK-0	=B.1MC-1.(NAIB+NPXINT)												A
P	4561000			24S36,37,33X,36-24Q07C-24R07C-28P06T												A
	4561002			B.1MC-1.(NAIB+NPXINT)												A
P	4561002			24S41,38,33X												A
	4561010		GCLK-1	=B.1MC-1.(NAIB+NPXINT)												A
P	4561010			24S35,39,33X,35-27S09T												A
	4561012			B.1MC-1.(NAIB+NPXINT)												A
P	4561012			24S34,40,33X												A
	4790101		GND1101	=-GND												A
P	4790101			01A16												A
	4790102		GND1102	=-GND												A
P	4790102			02A16												A
	4790103		GND1103	=-GND												A
P	4790103			03A16												A
	4790104		GND1104	=-GND												A
P	4790104			04A16												A
	4790105		GND1105	=-GND												A
P	4790105			05A16												A
	4790106		GND1106	=-GND												A
P	4790106			06A16												A
	4790107		GND1107	=-GND												A
P	4790107			07A16												A
	4790108		GND1108	=-GND												A
P	4790108			08A16												A

CODE	LINE NO.	CHK	LOGIC		EQUATIONS		PINS		REMARKS		C/L	
			1	2	3	4	5	6	7	8		
P	4790415		GND14	15	=-GND							A
P	4790415				15D16							A
P	4790416		GND14	16	=-GND							A
P	4790416				16D16							A
P	4790417		GND14	17	=-GND							A
P	4790417				17D16							A
P	4790418		GND14	18	=-GND							A
P	4790418				18D16							A
P	4790419		GND14	19	=-GND							A
P	4790419				19D16							A
P	4790420		GND14	20	=-GND							A
P	4790420				20D16							A
P	4790421		GND14	21	=-GND							A
P	4790421				21D16							A
P	4790422		GND14	22	=-GND							A
P	4790422				22D16							A
P	4790423		GND14	23	=-GND							A
P	4790423				23D16							A
P	4790424		GND14	24	=-GND							A
P	4790424				24D16							A
P	4790425		GND14	25	=-GND							A
P	4790425				25D16							A
P	4790426		GND14	26	=-GND							A
P	4790426				26D16							A
P	4790427		GND14	27	=-GND							A
P	4790427				27D16							A
P	4790428		GND14	28	=-GND							A
P	4790428				28D16							A
P	4790429		GND14	29	=-GND							A
P	4790429				29D16							A
P	4790430		GND14	30	=-GND							A
P	4790430				30D16							A
P	4790431		GND14	31	=-GND							A
P	4790431				31D16							A

CODE	LINE NO.	CHG	LOGIC		EQUATIONS	/	PINS		/	REMARKS	C/L
			1	2			3	4				5	6
1	2	3	4	5	6	7	8	9	10	11	12
P	4791412		GND2512	=	-GND						A
	4791412				12P16						A
P	4791413		GND2513	=	-GND						A
	4791413				13P16						A
P	4791414		GND2514	=	-GND						A
	4791414				14P16						A
P	4791415		GND2515	=	-GND						A
	4791415				15P16						A
P	4791416		GND2516	=	-GND						A
	4791416				16P16						A
P	4791417		GND2517	=	-GND						A
	4791417				17P16						A
P	4791418		GND2518	=	-GND						A
	4791418				18P16						A
P	4791419		GND2519	=	-GND						A
	4791419				19P16						A
P	4791420		GND2520	=	-GND						A
	4791420				20P16						A
P	4791421		GND2521	=	-GND						A
	4791421				21P16						A
P	4791422		GND2522	=	-GND						A
	4791422				22P16						A
P	4791423		GND2523	=	-GND						A
	4791423				23P16						A
P	4791424		GND2524	=	-GND						A
	4791424				24P16						A
P	4791425		GND2525	=	-GND						A
	4791425				25P16, 16-05-24-41						A
P	4791426		GND2526	=	-GND						A
	4791426				26P16						A
P	4791427		GND2527	=	-GND						A
	4791427				27P16						A
P	4791428		GND2528	=	-GND						A
	4791428				28P16						A



XEROX DATA SYSTEMS

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133263-001 AC
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CODE	LINE NO.	CHK	LOGIC										EQUATIONS										PINS										REMARKS	C/L								
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48			49	50	60	61	62	63	64	65
P	4791429		GND2529										--GND										29P16											A								
P	4791430		GND2530										--GND										30P16											A								
P	4791431		GND2531										--GND										31P16											A								
P	4791432		GND2532										--GND										32P16											A								
P	4791501		GND2601										--GND										01Q16											A								
P	4791502		GND2602										--GND										02Q16											A								
P	4791503		GND2603										--GND										03Q16											A								
P	4791504		GND2604										--GND										04Q16											A								
P	4791505		GND2605										--GND										05Q16											A								
P	4791506		GND2606										--GND										06Q16											A								
P	4791507		GND2607										--GND										07Q16											A								
P	4791508		GND2608										--GND										08Q16											A								
P	4791509		GND2609										--GND										09Q16											A								
P	4791510		GND2610										--GND										10Q16											A								
P	4791511		GND2611										--GND										11Q16											A								
P	4791512		GND2612										--GND										12Q16											A								
P	4791513		GND2613										--GND										13Q16											A								

CODE	LINE NO.	C/D	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	4791616		GND2716	=-GND						A
P	4791616			16R16						A
P	4791617		GND2717	=-GND						A
P	4791617			17R16						A
P	4791618		GND2718	=-GND						A
P	4791618			18R16	.16-05-24-41					A
P	4791619		GND2719	=-GND						A
P	4791619			19R16						A
P	4791620		GND2720	=-GND						A
P	4791620			20R16						A
P	4791621		GND2721	=-GND						A
P	4791621			21R16						A
P	4791622		GND2722	=-GND						A
P	4791622			22R16	.16-05-24					J
P	4791623		GND2723	=-GND						A
P	4791623			23R16						A
P	4791624		GND2724	=-GND						A
P	4791624			24R16						A
P	4791625		GND2725	=-GND						A
P	4791625			25R16						A
P	4791626		GND2726	=-GND						A
P	4791626			26R16						A
P	4791627		GND2727	=-GND						A
P	4791627			27R16						A
P	4791628		GND2728	=-GND						A
P	4791628			28R16						A
P	4791629		GND2729	=-GND						A
P	4791629			29R16						A
P	4791630		GND2730	=-GND						A
P	4791630			30R16						A
P	4791631		GND2731	=-GND						A
P	4791631			31R16						A
P	4791632		GND2732	=-GND						A
P	4791632			32R16						A

CODE	LINE NO.	CHG	LOGIC		EQUATIONS		PINS		REMARKS		C/L
			1	2	3	4	5	6	7	8	
P	4791803		GND2903	=-GND							A
	4791803			03T16	,16-10-24-38						A
P	4791804		GND2904	=-GND							A
	4791804			04T16	,16-10-24-38						A
P	4791805		GND2905	=-GND							A
	4791805			05T16	,16-10-24-38						A
P	4791806		GND2906	=-GND							A
	4791806			06T16	,16-10-24-38						A
P	4791807		GND2907	=-GND							A
	4791807			07T16	,16-10-24-38						A
P	4791808		GND2908	=-GND							A
	4791808			08T16	,16-10-24-38						A
P	4791809		GND2909	=-GND							A
	4791809			09T16	,16-10-24-38						A
P	4791810		GND2910	=-GND							A
	4791810			10T16	,16-10-24-38						A
P	4791811		GND2911	=-GND							A
	4791811			11T16	,16-10-24-38						A
P	4791812		GND2912	=-GND							A
	4791812			12T16	,16-10-24-38						A
P	4791813		GND2913	=-GND							A
	4791813			13T16	,16-05-24-41						A
P	4791814		GND2914	=-GND							A
	4791814			14T16							A
P	4791815		GND2915	=-GND							A
	4791815			15T16							A
P	4791816		GND2916	=-GND							A
	4791816			16T16							A
P	4791817		GND2917	=-GND							A
	4791817			17T16							A
P	4791818		GND2918	=-GND							A
	4791818			18T16							A
P	4791819		GND2919	=-GND							A
	4791819			19T16							A

CODE	LINE NO.	CHK	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	0	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	4820210		/GPADR1E/ = -BCD * GND2831																					A																										
P	4820210		31S\$,09																					A																										
	4820220		/GPADR1I/ = -BCD * GND2826																					A																										
P	4820220		26S\$,09																					A																										
	4820300		/GPADR2/ = -BCD * B.B30 .																					A																										
P	4820300		27N\$,12,30N46,30,50X																					A																										
	4820310		/GPADR2E/ = -BCD * GND2831																					A																										
P	4820310		31S\$,12																					A																										
	4820320		/GPADR2I/ = -BCD * GND2826																					A																										
P	4820320		26S\$,12																					A																										
	4820400		/GPADR3/ = -BCD * B.B31 .																					A																										
P	4820400		27N\$,15,30N47,31,50X																					A																										
	4820410		/GPADR3E/ = -BCD * GND2831																					A																										
P	4820410		31S\$,15																					A																										
	4820420		/GPADR3I/ = -BCD * GND2826																					A																										
P	4820420		26S\$,15																					A																										
	4845000		GRP0 = B.NB28.NB29.NB30.NB31.CNA																					A																										
P	4845000		20Q38,40,41,42,43,44																					A																										
*	4900500		NGXAD = FF, SEE NSXADD/I EQUATION																					U																										
	4900501		GXAD = NFF																					A																										
P	4900501		07P05,05-10M41C-10N41C-24L01T																					A																										
	4900502		S/NGXAD = *.N(S/GXAD).N(S/SXAPD/I)																					A																										
P	4900502		07P03X,03X,24,10X																					A																										
	4900504		+ .GND2507																					A																										
P	4900504		07P03X,17X																					A																										
	4900507		R/NGXAD = .																					A																										
P	4900507		07P22																					A																										
	4900509		C/NGXAD = .CL-32P18																					A																										
P	4900509		07P01X																					A																										
	4900530		N(S/GXAD) = B.N(S/SXAPD).N(S/SXAM1).N(S/SXDM1)																					A																										
P	4900530		10E35,22,23,24,35-02E41C-31P41C-13P13T																					A																										
	4900550		GXAD-0 = B.GXAD.ND1S-2																					A																										
P	4900550		20L17,01,20X,17-28K20T																					A																										
	4900560		GXAD-1 = B.GXAD.																					A																										
P	4900560		20L34,40,33X,34-30M24T																					A																										

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																													
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	60	61	62	63	64	65	66
P	4904130		N(S/GXNAD) = B.N(S/SXDMA).N(S/SXOMAM1).N(S/SXDM1)																														A									
P	4904130		10E10,15,18,19,10-02F28C-31Q28C-13P21T																														A									
P	4904150		GXNAD-0 = B.GXNAD																														A									
P	4904150		13M11,12,11-30M18T																														A									
P	4904160		GXNAD-1 = B.GXNAD																														A									
P	4904160		13M10,09,10-30M25T																														A									
P	4904170		GXNAD-2 = B.GXNAD																														A									
P	4904170		06P15,13,15-01P28T																														A									
P	4904180		GXNAD-3 = B.GXNAD																														A									
P	4904180		06P11,12,11-06Q23T																														A									
P	5011100		HALT = FF																														A									
P	5011100		29A04																														A									
P	5011101		NHALT = NFF																														A									
P	5011101		29A05,05-27C45C-27D45C-19E18T																														A									
P	5011103		I.DCSTOP																														A									
P	5011103		09B10,09																														A									
P	5011105		S/HALT = *(S/HALT).																														A									
P	5011105		29A03X,03X,24,10X, +.PCP6 03X,17X																														A									
P	5011107		R/HALT = *(R/HALT)																														A									
P	5011107		29A22																														A									
P	5011109		C/HALT = .CL-01E03																														A									
P	5011109		29A01X																														A									
P	5011120		HALT/1 = I.NHALT.																														A									
P	5011120		11B44,42,50X,44-26A05T																														A									
P	5011200		(R/HALT) = B*+.INTRAP1																														G									
P	5011200		18B24,\$.\$.35, 30,24-29B10T																														A									
P	5011202		+.NKAS/B-1.PCP2.																														J									
P	5011202		18B\$.31,33,34																														J									
P	5011240		(S/HALT) = I.N(S/HALT).																														E									
P	5011240		11B35,39,33X,35-29B13T																														A									
P	5011250		N(S/HALT) = I*+ .FUWAIT .PH1																														D									
P	5011250		18B13,\$.\$.21,22,13-29B15T																														A									
P	5011252		+.INTRAP .PRETR .N(FAMT+XPSD)																														A									
P	5011252		18B\$.18, 19, 20																														A									
P	5011254		+.NKRUN .PRE1-A .NFUEXU																														A									
P	5011254		18B\$.17,15,14																														A									
P	5011256		I.START.																														D									
P	5011256		05C46,30,50X																														D									

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8 9	10	11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29	30 31 32 33 34 35 36 37 38 39	40 41 42 43 44 45 46 47 48 49	50 51 52 53 54 55 56 57 58 59	60 61 62 63 64 65 66 67 68 69	70
	5054300		HOLDC-3	=I.EDR	.				A
P	5054300			08N45,43,50X,45-06Q44T					A
	5054302			I.DCCL/1.					A
P	5054302			08N44,42,50X					A
	5054304			I.DCCL/2.					A
P	5054304			08N46,30,50X					A
	5073500		HRQBZC	=-BCR*/HRQBZC/					A
P	5073500			26S22,\$					A
	5073510		NHRQBZC	=I.HRQBZC.					A
P	5073510			20S19,03,20X,19-27S18T					A
	5073520		/HRQBZC/	=-BCD*QRBZC					A
P	5073520			27N\$,23					A
	5073525		/HRQBZE/	=-BCD*QRBZI					A
P	5073525			31S\$,23					A
	5073530		HRQBZI	=-BCR*/HRQBZI/					A
P	5073530			31S22,\$					A
	5073540		NHRQBZI	=I.HRQBZI.					A
P	5073540			20S05,02,20X,05-27S17T					A
	5073550		/HRQBZI/	=-BCD*QRBZC					A
P	5073550			26S\$,23					A
	5110120		IA	=FF					A
P	5110120			28A06,06-27C44C-27D44C					A
	5110121		NIA	=NFF					A
P	5110121			28A07					A
	5110122		S/IA	=*+.CD-1.PRE1-A				+GND1128	A
P	5110122			28A\$,\$.08,10X,				\$.19	A
	5110127		R/IA	=.					A
P	5110127			28A09					A
	5110129		C/IA	=.CL-01E03					A
P	5110129			28A01X					A
	5110170		(IA.PRE2)	=B.IA.PRE2					A
P	5110170			31B36,44,37,36-23C45C-23D45C					A
	5113300		IBC	=B.(AIB.LEVACT).NHBZC					A
P	5113300			25S13,04,08					A
	5113900		IBI	=B.(AIB.LEVACT).NHBZI.					A
P	5113900			25S12,05,06,07					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	5125340		IFAST/S = I.NIFAST/S.																					A																										
P	5125340		21E45,43,50X,45-15C43C-15043C-22B39T																					A																										
P	5125350		NIFAST/S = I.NIPH10.NPCP2.FAST/S																					A																										
P	5125350		19F33,27,25,26,33-19E14T																					A																										
P	5130100		II = FF																					A																										
P	5130100		20M14																					A																										
P	5130101		NII = NFF																					A																										
P	5130101		20M12,12-01M14C-01R14C-20R27T																					A																										
P	5130102		S/II = ** .S6.PSW2XS																					A																										
P	5130102		20M11X,11X,13,10X.										+. (S/II)											A																										
P	5130102												11X,20											A																										
P	5130107		R/II = . (R/II)																					A																										
P	5130107		20M15																					A																										
P	5130109		C/II = .CL-32P10																					A																										
P	5130109		20M01X																					A																										
P	5130120		II/L = -LD.II.																					A																										
P	5130120		17MS,35,36X																					A																										
P	5130130		(S/II) = B.INHXWD.B27/1.B30-1																					A																										
P	5130130		32B12,06,05,07,12-02A15C-31K15C-22M36T																					A																										
P	5130140		(R/II) = B*+.B30.INHXWD..																					A																										
P	5130140		30K24,\$.\$.37,36,35,34X.										+.PSW2XS/1..											A																										
P	5130142												\$.33,29,34X											A																										
P	5130142												+.GND2130.											A																										
P	5130142												30K\$.30,31											A																										
P	5134000		INHXWD = B.OLD.																					A																										
P	5134000		20F35,38,43,35-31D35C-31C35C-02A18C-31K18C-28K02T																					A																										
P	5134002		B.CCXRD.B26-1																					A																										
P	5134002		20F45,39,42																					A																										
P	5138000		INT = FF																					A																										
P	5138000		29A31																					A																										
P	5138001		NINT = NFF																					A																										
P	5138001		29A26																					A																										
P	5138002		S/INT = ** .INT9.																					A																										
P	5138002		29A46X,46X,43,36X.										+.GND1129											A																										
P	5138002												46X,37X											A																										
P	5138007		R/INT = .																					D																										
P	5138007		29A44																					A																										
P	5138009		C/INT = .CL-01E03																					A																										
P	5138009		29A01X																					A																										

CODE	LINE NO.	CHG	LOGIC				EQUATIONS				PINS				REMARKS	C/L
			1	2	3	4	5	6	7	8	9	10	11	12			13	14	15	16
P	5138940		N(S/INTRAP)=I.(S/INTRAP)				05C11,12,11-29822T									A
P	5138950		INTRAP1 =FF				24A30,30-19C04C-19D04C-02A35C-31K35C-01L10C									A
P	5138951		NINTRAP1 =NFF				24A29,29-19C05C-19D05C-02E23C-31P23C-28P33T									A
P	5138952		S/INTRAP1=*. (S/INTRAP) .NRESET				24A41X,41X,42,36X,				+.GND1124 41X,37					A
P	5138957		R/INTRAP1=.(R/INTRAP1)				24A40									A
P	5138959		C/INTRAP1=.CL-01E07				24A01X									A
P	5138970		(R/INTRAP1)=I.NRESET.INTRAP2..				19B14,21,20,29,19,14-29824T									A
P	5138984		INTRAP1/L=-LD.INTRAP1.				15A\$,39,36X									A
P	5138992		(INTRAP1.NINTRAP2)=B.INTRAP1.NINTRAP2				24D45,39,42,45-15D08C-15C08C									A
P	5138994		N(INTRAP1.NINTRAP2)=I.(INTRAP1.NINTRAP2)				31F15,13,15-26D35T									B
P	5138996		N(NINTRAP1.INTRAP2)=I.NINTRAP1.INTRAP2.				21C09,03,05,04,09-31C19C-31D19C									A
P	5139000		INTRAP2 =FF				24A33,33-19C08C-19D08C									A
P	5139001		NINTRAP2 =NFF				24A34,34-15C47C-15D47C									A
P	5139002		S/INTRAP2=*. (S/INTRAP2) .NRESET				24A39X,39X,35,36X,				+.GND1124 39X,37X					A
P	5139007		R/INTRAP2=.				24A38									A
P	5139009		C/INTRAP2=.CL-01E07				24A01X									A
P	5139030		(S/INTRAP2)=I.N(S/INTRAP2).				11B18,04,20X,18-26A27T									A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																																																								
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
	5139032		N(S/INTRAP2) = 1.(INTRAP1.NINTRAP2).																														A																																				
P	5139032		11B19,03,20X,19-19B50T																														A																																				
	5139033		1.(S/INTRAP).																														A																																				
P	5139033		11B25,23,29X																														A																																				
	5139034		INTRAP2/L=-LD.INTRAP2.																														A																																				
P	5139034		15A\$,35,36X																														A																																				
	5140100		K/I01B0 = .RWB0.CK-32P42																														A																																				
P	5140100		05K31,13																														A																																				
	5140102		L/I01B0/1 = .NLI03.NLI04.NIOFR8.NIOFR9.IOFM-1.																														A																																				
P	5140102		05K22X,21X,20X,25,26X,27X																														A																																				
	5140104		L/I01B0/2 = .NLI03.NLI04.NIOFR8.IOFR9.IOFM-1.																														A																																				
P	5140104		05K22X,21X,20X,23,26X,27X																														A																																				
	5140106		L/I01B0/3 = .LI05-0																														A																																				
P	5140106		05K18																														A																																				
	5140108		L/I01B0/4 = .LI06-0																														A																																				
P	5140108		05K29																														A																																				
	5140110		L/I01B0/5 = .LI07-0																														A																																				
P	5140110		05K30																														A																																				
	5140120		K/I01B1 = .RWB1.CK-32P38																														A																																				
P	5140120		23K31,13																														A																																				
	5140122		L/I01B1/1 = .NLI03.NLI04.NIOFR8.NIOFR9.IOFM-1.																														A																																				
P	5140122		23K22X,21X,20X,25,26X,27X																														A																																				
	5140124		L/I01B1/2 = .NLI03.NLI04.NIOFR8.IOFR9.IOFM-1.																														A																																				
P	5140124		23K22X,21X,20X,23,26X,27X																														A																																				
	5140126		L/I01B1/3 = .LI05-0																														A																																				
P	5140126		23K18																														A																																				
	5140128		L/I01B1/4 = .LI06-0																														A																																				
P	5140128		23K29																														A																																				
	5140130		L/I01B1/5 = .LI07-0																														A																																				
P	5140130		23K30																														A																																				
	5140140		K/I01B2 = .RWB2.CK-32P45																														A																																				
P	5140140		01S31,13																														A																																				
	5140142		L/I01B2/1 = .NLI03-1.NLI04-1.NIOFR8-1.NIOFR9-1.IOFM.																														A																																				
P	5140142		01S22X,21X,20X,25,26X,27X																														A																																				

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2	3	4	5	6	7	8	9	10
P	5140144		L/101B2/2=	.NL103-1.NL104-1.NIOFR8-1.		10FR9-1.		IOFM.	B
	5140144			01S22X,21X,20X,23,26X,27X					A
P	5140146		L/101B2/3=	.LI05-1					A
	5140146			01S18					A
P	5140148		L/101B2/4=	.LI06-1					A
	5140148			01S29					A
P	5140150		L/101B2/5=	.LI07-1					A
	5140150			01S30					A
P	5140160		K/101B3	=.RWB3.CK-32P47					A
	5140160			05T31,13					A
P	5140162		L/101B3/1=	.NL103-1.NL104-1.NIOFR8-1.		10FR9-1.		IOFM.	A
	5140162			05T22X,21X,20X,25,26X,27X					A
P	5140164		L/101B3/2=	.NL103-1.NL104-1.NIOFR8-1.		10FR9-1.		IOFM.	B
	5140164			05T22X,21X,20X,23,26X,27X					A
P	5140166		L/101B3/3=	.LI05-1					A
	5140166			05T18					A
P	5140168		L/101B3/4=	.LI06-1					A
	5140168			05T29					A
P	5140170		L/101B3/5=	.LI07-1					A
	5140170			05T30					A
P	5140180		K/101B4	=.RWB2.CK-32P47					A
	5140180			01T31,13					A
P	5140182		L/101B4/1=	.NL103-1.NL104-1.		10FR8.		10FR9-1.	A
	5140182			01T22X,21X,20X,25,26X,27X					A
P	5140184		L/101B4/2=	.NL103-1.NL104-1.		10FR8.		10FR9-1.	B
	5140184			01T22X,21X,20X,23,26X,27X					A
P	5140186		L/101B4/3=	.LI05-1					A
	5140186			01T18					A
P	5140188		L/101B4/4=	.LI06-1					A
	5140188			01T29					A
P	5140190		L/101B4/5=	.LI07-1					A
	5140190			01T30					A
P	5140200		K/102B0	=.RWB0.CK-32P42					A
	5140200			06K31,13					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	5140202		L/I02B0/1=	.NL103.LI04.NIOFR8.NIOFR9.IOFM-1.						A
P	5140202			06K22X,21X,20X,25,26X,27X						A
P	5140204		L/I02B0/2=	.NL103.LI04.NIOFR8.IOFR9.IOFM-1.						A
P	5140204			06K22X,21X,20X,23,26X,27X						A
P	5140206		L/I02B0/3=	.LI05-0						A
P	5140206			06K18						A
P	5140208		L/I02B0/4=	.LI06-0						A
P	5140208			06K29						A
P	5140210		L/I02B0/5=	.LI07-0						A
P	5140210			06K30						A
P	5140220		K/I02B1	=.RWB1.CK-32P38						A
P	5140220			22K31,13						A
P	5140222		L/I02B1/1=	.NL103.LI04.NIOFR8.NIOFR9.IOFM-1.						A
P	5140222			22K22X,21X,20X,25,26X,27X						A
P	5140224		L/I02B1/2=	.NL103.LI04.NIOFR8.IOFR9.IOFM-1.						A
P	5140224			22K22X,21X,20X,23,26X,27X						A
P	5140226		L/I02B1/3=	.LI05-0						A
P	5140226			22K18						A
P	5140228		L/I02B1/4=	.LI06-0						A
P	5140228			22K29						A
P	5140230		L/I02B1/5=	.LI07-0						A
P	5140230			22K30						A
P	5140240		K/I02B2	=.RWB2.CK-32P45						A
P	5140240			02S31,13						A
P	5140242		L/I02B2/1=	.NL103-1.LI04.NIOFR8-1.NIOFR9-1.IOFM.						A
P	5140242			02S22X,21X,20X,25,26X,27X						A
P	5140244		L/I02B2/2=	.NL103-1.LI04.NIOFR8-1.IOFR9-1.IOFM.						B
P	5140244			02S22X,21X,20X,23,26X,27X						A
P	5140246		L/I02B2/3=	.LI05-1						A
P	5140246			02S18						A
P	5140248		L/I02B2/4=	.LI06-1						A
P	5140248			02S29						A
P	5140250		L/I02B2/5=	.LI07-1						A
P	5140250			02S30						A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12		13	14	15
P	5140368		L/10383/4=.L106-1			07T29									A
P	5140370		L/10383/5=.L107-1			07T30									A
P	5140380		K/10384 =.RWB3.CK-32P47			03T31,13									A
P	5140382		L/10384/1=.L103.NL104-1.10FR8.10FR9-1.10FM.			03T22X,21X,20X,25,26X,27X									A
P	5140384		L/10384/2=.L103.NL104-1.10FR8.10FR9-1.10FM.			03T22X,21X,20X,23,26X,27X									B
P	5140386		L/10384/3=.L105-1			03T18									A
P	5140388		L/10384/4=.L106-1			03T29									A
P	5140390		L/10384/5=.L107-1			03T30									A
P	5140400		K/10480 =.RWB0.CK-32P42			08K31,13									A
P	5140402		L/10480/1=.L103.L104.N10FR8.N10FR9.10FM-1.			08K22X,21X,20X,25,26X,27X									A
P	5140404		L/10480/2=.L103.L104.N10FR8.10FR9.10FM-1.			08K22X,21X,20X,23,26X,27X									A
P	5140406		L/10480/3=.L105-0			08K18									A
P	5140408		L/10480/4=.L106-0			08K29									A
P	5140410		L/10480/5=.L107-0			08K30									A
P	5140420		K/10481 =.RWB1.CK-32P38			20K31,13									A
P	5140422		L/10481/1=.L103.L104.N10FR8.N10FR9.10FM-1.			20K22X,21X,20X,25,26X,27X									A
P	5140424		L/10481/2=.L103.L104.N10FR8.10FR9.10FM-1.			20K22X,21X,20X,23,26X,27									A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	5140426		L/10481/3=	.L105-0						A
P	5140426			20K18						A
P	5140428		L/10481/4=	.L106-0						A
P	5140428			20K29						A
P	5140430		L/10481/5=	.L107-0						A
P	5140430			20K30						A
P	5140440		K/10482 =	.RWB2.CK-32P45						A
P	5140440			04S31,13						A
P	5140442		L/10482/1=	.L103.L104.NIOFR8-1.NIOFR9-1.IOFM.						A
P	5140442			04S22X,21X,20X,25,26X,27X						A
P	5140444		L/10482/2=	.L103.L104.NIOFR8-1.IOFR9-1.IOFM.						B
P	5140444			04S22X,21X,20X,23,26X,27X						A
P	5140446		L/10482/3=	.L105-1						A
P	5140446			04S18						D
P	5140448		L/10482/4=	.L106-1						A
P	5140448			04S29						A
P	5140450		L/10482/5=	.L107-1						A
P	5140450			04S30						A
P	5140460		K/10483 =	.RWB3.CK-32P47						A
P	5140460			08T31,13						A
P	5140462		L/10483/1=	.L103.L104.NIOFR8-1.NIOFR9-1.IOFM.						A
P	5140462			08T22X,21X,20X,25,26X,27X						A
P	5140464		L/10483/2=	.L103.L104.NIOFR8-1.IOFR9-1.IOFM.						B
P	5140464			08T22X,21X,20X,23,26X,27X						A
P	5140466		L/10483/3=	.L105-1						A
P	5140466			08T18						A
P	5140468		L/10483/4=	.L106-1						A
P	5140468			08T29						A
P	5140470		L/10483/5=	.L107-1						A
P	5140470			08T30						A
P	5140480		K/10484 =	.RWB3.CK-32P47						A
P	5140480			04T31,13						A
P	5140482		L/10484/1=	.L103.L104.IOFR8.NIOFR9-1.IOFM.						A
P	5140482			04T22X,21X,20X,25,26X,27X						A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
	1 2345678 9	10	123456789 20	23456789 30	23456789 40	23456789 50	23456789 60	23456789 70	
P	5140484		L/I04B4/2=	.L103.L104.	10FR8.10FR9-1.	10FM.			B
	5140484			04T22X,21X,20X,23,26X,27X					A
P	5140486		L/I04B4/3=	.L105-1					A
	5140486			04T18					A
P	5140488		L/I04B4/4=	.L106-1					A
	5140488			04T29					A
P	5140490		L/I04B4/5=	.L107-1					A
	5140490			04T30					A
P	5145798		INDX	=B					A
	5145798			26K30,30-32M15C-03E15C-11D42C-11C42C-29B01T					A
P	5145800		INDX	=B+.C3 . .			+ .C4 .		A
	5145800			26K30,\$,\$,33,34,39X.			\$.46,44X		A
P	5145802			+ .C5 .					A
	5145802			26K\$,26,28X					A
P	5145804			B+.C12 . .			+ .C13 .		A
	5145804			26K31,\$,\$,36,35,39X.			\$.47,44X		A
P	5145806			+ .C14 .					A
	5145806			26K\$,25,28X					A
P	5150100		IOACT	=I.NIOEN.NIOIN					A
	5150100			19F35,38,43,35-06E43T					A
P	5150110		NIOACT	=I.IOACT.					A
	5150110			21E17,01,20X,17-27D06C-27C06C-16B18T-03F45C-32S45C-06R14T					A
P	5150450		IOAXST	=I.NIOINTST.N(FAIO.PH2).					A
	5150450			15M06,08,14,07,06-11M21T					A
P	5150500		NIOB0	=FF					A
	5150500			25F06					A
P	5150501		IOB0	=NFF					A
	5150501			25F07,07-15D20C-15C20C					A
P	5150502		S/NIOB0	=*+. (IOPH1.SW13).			+ .RESET/A		A
	5150502			25F\$, \$.08,10X.			\$.19		A
P	5150507		R/NIOB0	=.(S/IOB0)					A
	5150507			25F09					A
P	5150509		C/NIOB0	= .CL-01E18					A
	5150509			25F01X					A
P	5150550		(S/IOB0)	=B.IOENNIN.NIOINH.AVO					A
	5150550			27F12,06,05,07,12-26F11T					A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L
1	2	3	4	5	6	7	8
P	5150552		I0BR9	=B.FA10/1.NR31.NRZ.PH9-D 21F14,21,20,29,19,14-03D31C-03C31C-12A46T			A A
P	5150554		I0CON	=I.NI0SC.NI0IN. 31F06,14,08,07,06-16D06C-16C06C-09C07T			A A
P	5150650		NIOCON	=I.I0CON. 31F41,38,33X,41-07D27C-07C27C-12A14T			A A
P	5150700		I0CONST	=FF 22F34			A A
P	5150701		NIOCONST	=NFF 22F33			A A
P	5150702		S/I0CONST	=.(S/I0CONST) 22F38			A A
P	5150707		R/I0CONST	=+.(R/I0CONST). 22F39X,39X,35,36X,	+ .RESET I0 39X,37X		A A
P	5150708			+ .RESET/A.. 23F44,45,46X,43X			A A
P	5150709		C/I0CONST	= .CL-01E22 22F01X			A A
P	5150730		(R/I0CONST)	=B*+.(FA10.PH5.SW13).. 28D03,\$,\$,08,09,07X,	+.(FA10.PH4).NSW0-2. \$,11,10,12,03-22E37T		A A
P	5150750		(S/I0CONST)	=B.(FA10.PH3).SW0 27F45,39,42,45-22E38T			A A
P	5151000		I0DAP	=FF 21M14			A D
P	5151001		NI0DAP	=NFF 21M12			A D
P	5151002		S/I0DAP	=+.(S/I0DAP). 21M11X,11X,13,10X,	+.(S/I0DAP/SKIP) 11X,20		G D
P	5151007		R/I0DAP	=.(I0PH0.SW13) 21M15			J D
P	5151009		C/I0DAP	= .CL-32P10 21M01X			A A
P	5151020		I0DAX	=I.N(R/I0DA). 21D47,31,50X,47-03E12C-32M12C-23K05T			A B

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																													
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	50	51	52	53	54	55	56	57
	5151030		N(R/IODA)=I.(FAIO.PH5.SW8).NSW7																																	A						
P	5151030		20D46,40,41,46-22E01T																																	A						
	5151031		B.NIODATA.																																	A						
P	5151031		29D47,31,50X																																	A						
	5151032		I.IOENIN.																																	A						
P	5151032		21D36,37,33X																																	A						
	5151033		B.NIODAXA.																																	A						
P	5151033		29D46,30,50X																																	A						
	5151035		(S/IODAP)=I.N(S/IODAP).																																	A						
P	5151035		12L13,04,08,13-22M15T																																	A						
	5151036		N(S/IODAP)=I.(IOPH0.SW13).DATAOUT.IOPG																																	A						
P	5151036		12L12,05,06,07,12-05K06T																																	B						
	5151038		I.(IOPH0.SW14).DATAIN.NIOPC.PC																																	A						
P	5151038		12L14,19,20,21,29																																	A						
	5151039		(S/IODAP/SKIP)=B.(IOPH0.SW13).DATAOUT.D7																																	G						
P	5151039		06L01,02,04,06,01-30M40T																																	G						
	5151040		IODAXA =I.NIODAXA.																																	A						
P	5151040		21D46,30,50X,46-03E08C-32M08C-05K05T																																	B						
	5151050		NIODAXA =I.(IOPH3.SW15).NSW4																																	A						
P	5151050		20D02,03,09,02-22E02T																																	A						
	5151052		I.(FAIO.PH3).																																	A						
P	5151052		21D44,42,50X																																	A						
	5151054		I.DATAOUT.(IOPH0.SW13).ND7-1																																	A						
P	5151054		11F12,06,05,07																																	A						
	5151100		IODC =B.SW0.D0-I.NADNH																																	A						
P	5151100		16F12,06,05,07,12-30E47T																																	A						
	5151110		NIODC =I.IODC.																																	A						
P	5151110		31F46,30,50X,46-30E46T																																	A						
	5151150		(NIODC.DASW4)= B.NIODC. DASW4																																	B						
P	5151150		21F36,44,37,36-15D02C-15C02C-16B31T																																	A						
	5152000		IOEN =FF																																	A						
P	5152000		22F29,29-26D18T																																	A						
	5152001		NIOEN =NFF																																	A						
P	5152001		22F30,30-23D19C-23C19C-12A47T																																	A						
	5152002		S/IOEN =.(S/IOEN)																																	A						
P	5152002		22F40																																	A						
	5152007		R/IOEN =++. (R/IOEN).																																	A						
P	5152007		22F41X,41X,42,36X, +.RESETIO 41X,37X																																	A						

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L	
1	2 3 4 5 6 7 8	9	10 11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29	30 31 32 33 34 35 36 37 38 39	40 41 42 43 44 45 46 47 48 49	50 51 52 53 54 55 56 57 58 59	60 61 62 63 64 65 66 67 68 69 70
P	5152750		IOENNIN	=B.IOEN.NIOIN.NIOPH1				A
P	5152750			16F33,26,25,27,33-15	022C-15C22C-06B06T			A
P	5153000		POFF	=-BCR * /IOFF/				R
P	5153000			31N34,\$,34-24Q22C-24R22C				A
P	5153010		/IOFF/	=-BCD*GND2431				A
P	5153010			31N\$,33				A
P	5153250		NIOFM	=FF				A
P	5153250			18T10				A
P	5153251		IOFM	=NFF				A
P	5153251			18T12				A
P	5153252			I.CROSSEN.				J
P	5153252			14T36,37,33X				J
P	5153254		S/NIOFM	= .N(S/IOFM)				J
P	5153254			18T15				J
P	5153256		R/NIOFM	= .				A
P	5153256			18T14				A
P	5153257		E/NIOFM	=+.GND2918		+ .GND2918		A
P	5153257			18T\$, \$.06,		\$,02		A
P	5153259		C/NIOFM	= .CL-32P14				A
P	5153259			18T25X				A
P	5153262		NIOFM/1	=I.IOFM.				J
P	5153262			14T41,38,33X,41-11S44T				J
P	5153270		IOFM-1	=B.IOFM				A
P	5153270			10S15,13,15-01M34C-01R34C-28K12T				A
P	5153280		NIOFM-1	=I.IOFM.				J
P	5153280			14T35,39,33X,35-01M35C-01R35C-05K08T				J
P	5153281		/NIOFM-R/	=-BCD*NIOFM-R				N
P	5153281			13K\$,01.				N
P	5153282		NIOFM-R	=B.NIOFM-1				N
P	5153282			14L11,12.				N
P	5153283		N(IOFR8.NRW)	=I.IOFR8.NRW-2				N
P	5153283			18L02,03,09,02-32M50C-03E50C-26D17T				N
P	5153285		IOFRX	=I.N(FA10.PH3).N(FUA10.P5.B.7).NIOENNIN.				A
P	5153285			19F15,30,18,31,17,15-03E47C-32M47C-11M23T				A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2	3	4	5	6	7	8	9	10
P	5153288		I OFRXA	=B.FA10.PH3-B					A
	5153288			12C46,40,41,46-02A34C-31K34C-11M24T					A
P	5153290		I OFRXFR	=I.NIOENIN.N(FUA10.P5.B.7)					A
	5153290			20D35,38,43,35-03E40C-32M40C-11M25T					A
P	5153300		N(S/I OFM)	=B.N(S/AXRR/3).N(S/AXRR/4).				.N(S/AXRR/6)	A
	5153300			17A15,30,18,31,17,15-03F44C-32S44C-03C27C-03D27C-19S39T					A
P	5153302			B.N(S/RW/2).N(S/RW/3).N(S/RW/4).N(S/AXRR/2)					A
	5153302			12C34,24,23,22,28					A
P	5153400		I OFS	=FF					A
	5153400			22F26					A
P	5153401		N I OFS	=NFF					A
	5153401			22F31					A
P	5153402		S/I OFS	=.(S/I OFS)					A
	5153402			22F44					A
P	5153407		R/I OFS	=*+. (R/I OFS).				+ .RESET 10	A
	5153407			22F46X,46X,43,36X,				46X,37X	A
	5153408			+ .I0B0. (IOPH1.SW13)					B
P	5153408			23F08,10,09					B
P	5153409		C/I OFS	= .CL-01E22					A
	5153409			22F01X					A
P	5153430		(R/I OFS)	=I.N(R/I OFS).					A
	5153430			31E27,22,29X,27-26F12T					A
P	5153435		N(R/I OFS)	=I.I0IN.NIOPH1..					A
	5153435			20D15,31,17,18,30,15-30E11T					A
	5153437			I. (FA10.PH5).SW13					A
P	5153437			17E35,38,43					A
P	5153440		(S/I OFS)	=B*+. I0SC.NPCP3.				+ .(FA10.PH4).SW2.	C
	5153440			28D04,\$.\$.06,05,07X,				\$.13,14,12X	C
P	5154000		I0IN	=FF					A
	5154000			25F14,14-03E39C-32M39C-05K07T					B
P	5154001		N I0IN	=NFF					A
	5154001			25F12					A
P	5154002		S/I0IN	=*+. (S/I0IN).				+ .GND1625	A
	5154002			25F11X,11X,13,10X,				11X,20	A
P	5154007		R/I0IN	= .RESET/A					C
	5154007			25F15					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																																				
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	5155800		IOPA0 = -BCR* / IOPA01 /																					A																																				
P	5155800		07F08,\$																					A																																				
P	5155810		/IOPA0C/ = -BCD*B.SW5.																					A																																				
P	5155810		05F\$,03,06F19,03,20X																					A																																				
P	5155820		/IOPA01/ = -BCD*GND1607																					A																																				
P	5155820		07F\$,03																					A																																				
P	5155830		IOPA1 = -BCR* / IOPA11 /																					A																																				
P	5155830		07F13,\$																					A																																				
P	5155840		/IOPA1C/ = -BCD*B.SW6.																					A																																				
P	5155840		05F\$,12,06F05,02,20X																					A																																				
P	5155850		/IOPA11/ = -BCD*GND1607																					A																																				
P	5155850		07F\$,12																					A																																				
P	5155860		IOPA2 = -BCR* / IOPA21 /																					A																																				
P	5155860		07F18,\$																					A																																				
P	5155870		/IOPA2C/ = -BCD*B.SW3.																					A																																				
P	5155870		05F\$,15,06F17,01,20X																					A																																				
P	5155890		/IOPA21/ = -BCD*GND1607																					A																																				
P	5155890		07F\$,15																					A																																				
P	5156000		IOPADD = B.NSW3.NSW6.NSW5																					A																																				
P	5156000		17F09,03,04,05																					A																																				
P	5156010		NIOPADD = I.IOPADD.																					A																																				
P	5156010		31F36,37,33X,36-10F26T																					A																																				
P	5156100		IOPC = B*+.IOPC/1.NIOPC/2.NIOPC/3																					A																																				
P	5156100		14K30X,\$,\$,21X,18X,15X																					A																																				
P	5156102		+.NIOPC/3.IOPC/2.NIOPC/1																					A																																				
P	5156102		14K\$,15X,19X,17X																					A																																				
P	5156104		+.NIOPC/1.NIOPC/2.IOPC/3																					A																																				
P	5156104		14K\$,17X,18X,20X																					A																																				
P	5156106		+.IOPC/3.IOPC/2.IOPC/1																					A																																				
P	5156106		14K\$,20X,19X,21X																					A																																				
P	5156120		NIOPC = I.IOPC																					A																																				
P	5156120		14K28,30X																					A																																				
P	5156125		(IOPC+NPC) = I.NIOPC.PC.																					A																																				
P	5156125		15L06,08,14,07,06-32M19C-03E19C-16E21T																					A																																				

CODE	LINE NO.	CHK	LOGIC EQUATIONS	PINS	REMARKS	C/L
1	2345678	9	10 123456789 20 23456789 30 23456789 40 23456789 50 23456789 60 23456789 70			
P	5156130		IOPC/1 =B*+.DA0.NDA1.NDA2		+ .NDA2.DA1.NDA0	A
	5156130		14K33X,\$,\$,43X,41X,40X,		\$,40X,38X,39X,	A
P	5156132		+ .NDA0.NDA1.DA2		+ .DA2.DA1.DA0	A
	5156132		14KS,39X,41X,36X,		\$,36X,38X,43X	A
P	5156140		NIOPC/1 =I.IOPC/1			A
	5156140		14K35,33X			A
P	5156150		IOPC/2 =B*+.DA3.NDA4.NDA5		+ .NDA5.DA4.NDA3	A
	5156150		14K34X,\$,\$,42X,45X,50X,		\$,50X,46X,47X,	A
P	5156152		+ .NDA3.NDA4.DA5		+ .DA5.DA4.DA3	A
	5156152		14KS,47X,45X,44X,		\$,44X,46X,42X	A
P	5156160		NIOPC/2 =I.IOPC/2			A
	5156160		14K37,34X			A
P	5156170		IOPC/3 =B*+.DA6.NDA7.NDAP		+ .NDAP.DA7.NDA6	A
	5156170		14K31X,\$,\$,23X,22X,24X,		\$,24X,26X,25X	A
P	5156172		+ .NDA6.NDA7.DAP		+ .DAP.DA7.DA6	A
	5156172		14KS,25X,22X,27X,		\$,27X,26X,23X	A
P	5156180		NIOPC/3 =I.IOPC/3			A
	5156180		14K29,31X			A
P	5156200		NIOPEX =-NS			B
	5156200		05F24,24-30E45T			J
P	5156300		IOPG =B*+.IOPG/1.NIOPG/2.NIOPG/3			A
	5156300		06L30X,\$,\$,21X,18X,15X			A
P	5156302		+ .NIOPG/3.IOPG/2.NIOPG/1			A
	5156302		06LS,15X,19X,17X			A
P	5156304		+ .NIOPG/1.NIOPG/2.IOPG/3			A
	5156304		06LS,17X,18X,20X			A
P	5156306		+ .IOPG/3.IOPG/2.IOPG/1			A
	5156306		06LS,20X,19X,21X			A
P	5156312		NIOPG =I.IOPG			A
	5156312		06L28,30X			A
P	5156320		IOPG/1 =B*+.NA0.NA1.NA2		+ .NA2.A1.A0	A
	5156320		06L33X,\$,\$,43X,41X,40X,		\$,40X,38X,39X	A
P	5156322		+ .A0.NA1.A2		+ .A2.A1.NA0	A
	5156322		06LS,39X,41X,36X,		\$,36X,38X,43X	A
P	5156326		NIOPG/1 =I.IOPG/1			A
	5156326		06L35,33X			A
P	5156330		IOPG/2 =B*+.NA3.NA4.NA5		+ .NA5.A4.A3	A
	5156330		06L34X,\$,\$,42X,45X,50X,		\$,50X,46X,47X	A
P	5156332		+ .A3.NA4.A5		+ .A5.A4.NA3	A
	5156332		06LS,47X,45X,44X,		\$,44X,46X,42X	A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																																						
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			30	31	32	33	34	35	36	37	38	39	40	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	60	61	62	63	64	65
P	5156336		NIOPG/2 = I.IOPG/2																					A																																						
P	5156336		06L37,34X																					A																																						
P	5156340		IOPG/3 = B*+.NA6.NA7.																				+.A7.A6.	A																																						
P	5156340		06L31X,\$.\$.23X,22X,24X,																				\$.26X,25X,24X	A																																						
P	5156342																						+.A6.NA7.GND2206	A																																						
P	5156342		06L\$.25X,22X,27X,																				\$.26X,23X,27X	A																																						
P	5156346		NIOPG/3 = I.IOPG/3																					A																																						
P	5156346		06L29,31X																					A																																						
P	5156400		NIOPH0 = FF																					A																																						
P	5156400		25F27																					A																																						
P	5156401		IOPH0 = NFF																					A																																						
P	5156401		25F28,28-15C06C-15D06C-12A44T																					A																																						
P	5156402		S/NIOPH0 = +.(R/IOPH0).																				+.RESET/A	A																																						
P	5156402		25F50X,50X,47,36X,																				50X,37X	A																																						
P	5156407		R/NIOPH0 = .(S/IOPH0)																					A																																						
P	5156407		25F45																					A																																						
P	5156409		C/NIOPH0 = .CL-01E18																					A																																						
P	5156409		25F01X																					A																																						
P	5156420		(R/IOPH0) = I.N(R/IOPH0).																					A																																						
P	5156420		27E27,22,29X,27-22E21T																					A																																						
P	5156425		N(R/IOPH0) = I*+.IOR.(IOPH0.SW12)																				+. (IOPH0.SW15).	A																																						
P	5156425		23E12,\$.\$.09,10,																				\$.11,04,12-22E19T	A																																						
P	5156427																						+. (IOPH0.SW14). (NVDATAOUT.DATAOUT)	A																																						
P	5156427		23E\$.03,02																					A																																						
P	5156430		(S/IOPH0) = I.NI0ENIN.N(R/IOPH2).N(IOPH3.SW15)																					A																																						
P	5156430		23E23,39,40,38,23-22E18T																					A																																						
P	5156440		(IOPH0.SW8) = B.IOPH0.SW8																					A																																						
P	5156440		15F26,29X,24,26-23C47C-23D47C-16B12T																					A																																						
P	5156450		(IOPH0.SW10) = B.IOPH0.SW10																					A																																						
P	5156450		15F27,29X,22,27-19C47C-19D47C-16B36T																					A																																						
P	5156460		(IOPH0.SW12) = B.IOPH0.SW12																					A																																						
P	5156460		15F18,20X,04,18-03F27C-32S27C-19S37T																					A																																						
P	5156463		(IOPH0.SW12) - F = B.IOPH0.SW12																					A																																						
P	5156463		15F28,29X,21,28-31D38C-31C38C-20A18T																					A																																						
P	5156465		(IOPH0.SW13) = B.IOPH0.SW13																					A																																						
P	5156465		15F19,20X,03,19-03F28C-32S28C-01R31C-01M31C-11M26T																					A																																						

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L						
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
P	5156675		(IOPH2.SW15)=B.IOPH2.SW15 13F46.50X,30,46-19C42C-19D42C-29B35T										A						
P	5156700		N IOPH3 =FF 25F33										A						
P	5156701		IOPH3 =NFF 25F34,34-23C06C-23D06C-06B25T										A						
P	5156702		S/N IOPH3 =*+. (IOPH3.SW15). +.RESET/A 25F39X,39X,35,36X, 39X,37X										A						
P	5156707		R/N IOPH3 =.(S/IOPH3) 25F38										A						
P	5156709		C/N IOPH3 =.CL-01E18 25F01X										A						
P	5156730		(S/IOPH3)=I*+. (IOPH0.SW12). (DOR.IOR) 23E36,\$. \$.26,25,36-19E38T										A						
P	5156732		+. (IOPH1.SW8). IODC.DASW 23E\$.29,27,28										A						
P	5156740		(IOPH3.SW8)=B.IOPH3.SW8 14F26,29X,24,26-16C21C-16D21C-06B21T										A						
P	5156745		(IOPH3.SW9)=B.IOPH3.SW9 14F25,29X,23,25-03E36C-32M36C-11M44T										A						
P	5156750		(IOPH3.SW10)=B.IOPH3.SW10 14F27,29X,22,27-06E40T										A						
P	5156755		(IOPH3.SW11)=B.IOPH3.SW11 14F28,29X,21,28-03C24C-03D24C-20A47T										A						
P	5156760		(IOPH3.SW12)=B.IOPH3.SW12 14F18,20X,04,18-16C23C-16D23C-06B27T										A						
P	5156765		(IOPH3.SW13)=B.IOPH3.SW13 14F19,20X,03										A						
P	5156770		(IOPH3.SW14)=B.IOPH3.SW14 14F05,20X,02,05-19C44C-19D44C-20A45T										A						
P	5156775		(IOPH3.SW15)=B.IOPH3.SW15 14F17,20X,01,17-19E07T										A						
P	5156777		N(IOPH3.SW15)=I.(IOPH3.SW15) 21D15,13,15-19E37T										A						

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L									
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	5156800		IOPH10	=I.NIOPH10												A
P	5156800			21E15,13,15-03C25C-03D25C-20A40T												A
P	5156820		NIOPH10	=I.NPCP2.IPH10												A
P	5156820			21E36,33X,37,36-23C20C-23D20C-20A39T												A
P	5156822			I.NPCP2.FAFL-1												A
P	5156822			21E41,33X,38												A
P	5156860		(IOPHO.SW14.DATIN)	=B.IOPHO.SW14.DATIN												A
P	5156860			21F12,06,05,07												A
P	5156870		IOPOP	=I.NIOPOP												B
P	5156870			32F11,12,11-03E02C-32M02C-22M21T												B
P	5156880		NIOPOP	=-NS												B
P	5156880			09F41												B
P	5156890		N(IOPOP.IOPADD)	=I.IOPOP.IOPADD												C
P	5156890			20D13,04,08,13-19D09C-19C09C-20A50T												D
P	5156898		IOPXFC	=B.FAIO.EXC.NPH10												F
P	5156898			32D12,06,05,07												F
P	5156900		IOR	=-BCR*/IOR/												A
P	5156900			10L34,\$,34-32M01C-03E01C-19E36T												A
P	5156910		NIOR	=I.IOR.												A
P	5156910			21D17,01,20X,17-19E29T												A
P	5156911		/IOR/	=-BCD*GND2210												A
P	5156911			10L\$,33												A
P	5156950		IORB	=B.IODA4.IODA5.NIODA6.NIODA7												A
P	5156950			11L34,24,23,22,28												A
P	5158100		IOSC	=FF												A
P	5158100			22F28,28-23C22C-23D22C-20A37T												A
P	5158101		NIOSC	=NFF												A
P	5158101			22F27,27-03C26C-03D26C												A
P	5158102		S/IOSC	=(S/IOSC)												A
P	5158102			22F45												A
P	5158107		R/IOSC	=*+.GND1622.												A
P	5158107			22F50X,50X,47,36X,												A
P	5158108			+.PCP3.NIOPS.												A
P	5158108			23F42X,41,40,43X,												A
P	5158109			+.I0B0.												L
P	5158109			23F20,03,02,19X												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	5158120		C/IOSC	=.CL-01E22						A
P	5158120			22F01X						A
P	5158130		(S/IOSC)	=B.SC.NSCINH.10POP						B
P	5158130			11E09,04,05,03						B
P	5158800		IOTRIN	=B.C4.NC5.NC6.NC7						A
P	5158800			27K15,30,18,31,17,15-29M22C-29N22C-31P44C-02E44C-19E34T						A
P	5158850		NIOTRIN	=I.IOTRIN.						A
P	5158850			31F05,02,20X,05-19C07C-19D07C-29B23T						A
P	5159500		NIOWD	=FF						A
P	5159500			25F02						A
P	5159501		IOWD	=NFF						A
P	5159501			25F21						A
P	5159502		S/NIOWD	=*+. (WOINT.B29).						A
P	5159502			25F18X,18X,25,10X,						A
P	5159507		R/NIOWD	=.(S/IOWD)						A
P	5159507			25F23						A
P	5159509		C/NIOWD	=.CL-01E18						A
P	5159509			25F01X						A
P	5159530		(S/IOWD)	=B.10ACT.ZXX						A
P	5159530			27F02,03,09						A
P	5159800		IPH10	=FF						A
P	5159800			29F33,33-31C46C-31D46C						A
P	5159801		NIPH10	=NFF						A
P	5159801			29F34						A
P	5159802		S/IPH10	=*+. (S/IPH10).						A
P	5159802			29F39X,39X,35,36X,						A
P	5159807		R/IPH10	=.(R/IPH10)						A
P	5159807			29F38						A
P	5159809		C/IPH10	=.CL-01E14						A
P	5159809			29F01X						A
P	5159820		(R/IPH10)	=B*+.NIOACT..						A
P	5159820			28D46,\$,\$,26,25,35X,						A
P	5159825		(R/IPH10/1)	=I.NRESET.NRESET10.NCLEAR.NRESIPH10						A
P	5159825			06C34,24,23,22,28,34-31C45C-31D45C-26D47T						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	5159830			(S/IPH10)=B.PH10-E.1OSC.N10INH												A
P	5159830			23E37,46,50,41,37-15E47T												A
P	5159850			N(NIPH10.FAMDS)=I.NIPH10.N(NFARWD.NFAMDS)												N
P	5159850			19F02,03,09,02-19E39T												A
P	5173000			IR =-BCR*/IRC/												A
P	5173000			05F40, \$.40-03F06C-32S06C-20R19T												B
P	5173001			I.N10IR.N10PEX												B
P	5173001			28F27,22,29X												B
P	5173002			NISINO =I.ISO.INO												A
P	5173002			25R\$.10X,30X												A
P	5173005			NISIN1 = B * + .NIS1 .NISINO .NISNIP0 .NPON												R
P	5173005			25R34, \$. \$.18X, \$. \$, 23X, 47X												R
P	5173007			+ .NIN1 .NISINO .NISNIP0 .NPON												R
P	5173007			25R\$.46X, \$. \$, 23X, 47X												U
P	5173010			NISIN2 =I.IS2.IN2												A
P	5173010			26R\$.10X,30X												A
P	5173015			NISIN3 =B*+.NIS3 .NISIN2 .NISIN1 .NISNIP2												D
P	5173015			26R34, \$. \$.18X, \$.47X, 23X												D
P	5173016			+ .NIN3 .NISIN2 .NISIN1 .NISNIP2												D
P	5173016			26R\$.46X, \$.47X, 23X												D
P	5173020			NISIN4 =I.IS4.IN4												A
P	5173020			27R\$.10X,30X												A
P	5173025			NISIN5 =B*+.NIS5 .NISIN4 .NISIN3 .NISNIP4												D
P	5173025			27R34, \$. \$.18X, \$.47X, 23X												D
P	5173026			+ .NIN5 .NISIN4 .NISIN3 .NISNIP4												D
P	5173026			27R\$.46X, \$.47X, 23X												D
P	5173030			NISIN6 =I.IS6.IN6												A
P	5173030			28R\$.10X,30X												A
P	5173035			NISIN7 =B*+.NIS7 .NISIN6 .NISIN5 .NISNIP6												D
P	5173035			28R34, \$. \$.18X, \$.47X, 23X												D
P	5173036			+ .NIN7 .NISIN6 .NISIN5 .NISNIP6												D
P	5173036			28R\$.46X, \$.47X, 23X												D
P	5173040			NISIN8 =I.IS8.IN8												A
P	5173040			29R\$.10X,30X												A
P	5173045			NISIN9 =B*+.NIS9.NISIN8. .NISNIP8 +.NIN9.NISIN8. .NISNIP8												D
P	5173045			29R34, \$. \$.18X, \$.47X, 23X, \$.46X, \$.47X, 23X												D
P	5173050			NISIN10 =I.IS10.IN10												A
P	5173050			30R\$.10X,30X												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																																							
1	2345678	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
P	5173135		NISNIP7 =B*+.NIS7.NISNIP6.NISNIP5																					A																																							
	5173135		28R44,\$,\$,18X,23X,05X,44										-24Q44C-24R44C											A																																							
P	5173136		+.IP7.NISNIP6.NISNIP5																					A																																							
	5173136		28R\$,21X,23X,05X																					A																																							
P	5173140		NISNIP8 =I.IS8.NIP8																					A																																							
	5173140		29R23X,10X,\$																					A																																							
P	5173145		NISNIP9 =B*+.NIS9.NISNIP8.										+.IP9.NISNIP8.											A																																							
	5173145		29R44,\$,\$,18X,23X,05X,										\$,21X,23X,05X											A																																							
P	5173150		NISNIP10 =I.IS10.NIP10																					A																																							
	5173150		30R23X,10X,\$																					A																																							
P	5173155		NISNIP11 =B*+.NIS11.NISNIP10.NISNIP9																					A																																							
	5173155		30R44,\$,\$,18X,23X,05X																					A																																							
P	5173156		+.IP11.NISNIP10.NISNIP9																					A																																							
	5173156		30R\$,21X,23X,05X																					A																																							
P	5173160		NISNIP12 =I.IS12.NIP12																					A																																							
	5173160		31R23X,10X,\$																					A																																							
P	5173165		NISNIP13 =B*+.NIS13.NISNIP12.																					A																																							
	5173165		31R44,\$,\$,18X,23X,05X																					A																																							
P	5173166		+.IP13.NISNIP12.																					A																																							
	5173166		31R\$,21X,23X,05X																					A																																							
P	5173170		NISNIP14 =I.IS14.NIP14																					A																																							
	5173170		32R23X,10X,\$																					A																																							
P	5173175		NISNIP15 =B*+.NIS15.NISNIP14.NISNIP13																					A																																							
	5173175		32R44,\$,\$,18X,23X,05X																					A																																							
P	5173176		+.IP15.NISNIP14.NISNIP13																					A																																							
	5173176		32R\$,21X,23X,05X																					A																																							
P	5188000		IX =FF																					A																																							
	5188000		28A02,02-23C17C-23D17C																					A																																							
P	5188001		NIX =NFF																					A																																							
	5188001		28A21,21-23C18C-23D18C																					A																																							
P	5188002		S/IX =*+.INDX.PRE1-A										+.GND1128											A																																							
	5188002		28A18X,18X,25,10X,										18X,17X											A																																							
P	5188007		R/IX =.(R/IX)																					A																																							
	5188007		28A23																					A																																							
P	5188009		C/IX =.CL-01E03																					A																																							
	5188009		28A01X																					A																																							

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	5360500			KC		=-NS										A
	5360500					04R03										A
P	5360600			NKC/B		=-NS										A
	5360600					04R04										A
P	5360800			KCLEAR/B		=-NS										A
	5360800					13A43,43-11C10C-11D10C										A
P	5362000			KCLRPSW1		=-NS										A
	5362000					13A17										A
P	5362100			KCLRPSW2		=-NS										A
	5362100					13A12										A
P	5362130			NKCLRPSW/B		=-NS										A
	5362130					15A40,40-03C34C-03D34C										A
P	5365100			KCONT		=-NS										A
	5365100					18P46										A
P	5366000			KCPURESET		=-NS										A
	5366000					15A42										A
P	5366010			KCPURESET-1		=B.KCPURESET.										A
	5366010					14A35,39,33X,35-29B33T										A
P	5366020			NKCPURESET-1		=I.KCPURESET-1.										A
	5366020					05C25,23,29X,25-29B31T										A
P	5366100			NKCPURESET/B		=-NS										A
	5366100					15A04										A
P	5366110			KCPURESET/B-1		=I.NKCPURESET/B-1.										A
	5366110					05C26,24,29X,26-06B34T										A
P	5366120			NKCPURESET/B-1		=B.NKCPURESET/B.										A
	5366120					14A41,38,33X,41-16C22C-16D22C-22E14T										A
P	5370500			KD		=-NS										A
	5370500					04R42										A
P	5374390			NKDI		=-NS										A
	5374390					18Q44										A
P	5374400			KDI-0		=I.NKDI-0.										A
	5374400					14T26,24,29X,26-19Q22C-19R22C-06R26T										A
	5374401					I.NKDI-0.										A
	5374401					14T25,23,29X										A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12	
P	5374405														A
P	5374405														A
P	5374406														A
P	5374406														A
P	5374410														A
P	5374410														A
P	5374411														A
P	5374411														A
P	5374415														A
P	5374415														A
P	5374416														A
P	5374416														A
P	5374427														A
P	5374427														A
P	5374430														A
P	5374430														A
P	5375000														A
P	5375000														A
P	5375010														A
P	5375010														A
P	5375050														A
P	5375050														A
P	5385000														A
P	5385000														A
P	5386000														A
P	5386000														A
P	5394000														A
P	5394000														A
P	5394004														A
P	5394004														A
P	5415300														A
P	5415300														A
P	5415350														A
P	5415350														A
P	5415355														A
P	5415355														A

CODE	LINE NO.	CHK	LOGIC EQUATIONS / PINS / REMARKS										C/L																													
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	60	61	62	63	64	65	66
P	5415360		KINCRE/B-1=B.KINCRE/B. 14A05,02,20X,05-16C41C-16D41C-19E23T																														A									
P	5415400		NKHOP-2 =I.KHOP-2 11B05,02, 20X,05-06B29T																														A									
P	5424800		KINTRP =-NS 02R42																														A									
P	5424900		KINCRE/B =-NS 13A19																														A									
P	5425100		KINLVSEL =-NS 02R47																														A									
P	5425300		NKINTRP/B=-NS 02R03																														A									
P	5425400		KIORESET=-NS 17L46,46-31K01C-02A01C																														A									
P	5426000		KPSW1/B-1=B.KPSW1/B. 14A28,21,29X,28-16C42C-16D42C-19E43T																														A									
P	5426010		KPSW2/B-1=B.KPSW2/B. 14A18,04,20X,18-20A46T																														A									
P	5528000		KRUN =B.KRUN/B 28B15,13,15-20A44T																														A									
P	5529050		NKRUN =I.KRUN 11B34,40,33X,34-20A42T																														A									
P	5529060		KRUN/1 =B * + .KRUN .KAS/1 .KAS/2 10A36,\$,\$,27, 28, 29, 36-06E08T																														AB									
P	5529066		+ .GND1110 10A\$,25, 26,																														AB									
P	5529100		KRUN/B =-NS 13A21																														A									
P	5533010		KSC-1 =I.NKSC-1. 01Q14,21,20,29,19,14-24Q12C-24R12C-32Q10C-01C10C-20A01T																														Z									
P	5533050		NKSC-1 =-NS 18Q45																														Z									
P	5538100		KPSW1/B =-NS 13A33																														A									

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS																														C/L																										
			1	2	3	4	5	6	7	8	9	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
P	5538200		KPSW2/B =-NS 13A28																														A A																										
P	5539100		KSS1 =-NS 15A01,01-16C02C-16D02C																														A A																										
P	5539200		KSS2 =-NS 15A02,02-16C03C-16D03C																														A A																										
P	5539300		KSS3 =-NS 15A03,03-16C04C-16D04C																														A A																										
P	5539400		KSS4 =-NS 15A07,07-11C45C-11D45C																														A A																										
P	5539500		KSTEP/B =-NS 13A24																														A A																										
P	5539600		KSTORK/B =-NS 13A40																														A A																										
P	5539610		KSTORK/B-1 =B.KSTORK/B. 14A19,03,20X,19-20A41T																														A A																										
P	5539700		KSTORQ/B =-NS 13A36																														A A																										
P	5541000		KSXA =-NS 17L44																														A A																										
P	5541010		NKSXA =I.KSXA 02L40,50,40-28K11T																														A A																										
P	5541200		KSXB =-NS 15A08,08-11C02C-11D02C																														A A																										
P	5541600		KSXC =-NS 15A09,09-07C03C-07D03C																														A A																										
P	5541650		NKSC =I.KSC-1 20S10,09,10-27S10T																														A A																										
P	5542000		KSXD =-NS 17L45																														A A																										
P	5542010		NKSXD =I.KSXD 02M40,50,40-28K10T																														A A																										
P	5542100		KSXS =-NS 02R45																														A A																										

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12	
P	5883101		NLOCKW	=	NFF										A
P	5883101				22F05										A
P	5883102		S/LOCKW	=	*(WINT.B30).GND1622					+.GND1622					A
P	5883102				22F03X,03X,10X,24,					03X,17X					A
P	5883104				+.FUMMC-1.PH3-D..					+. (FUMMC.PH6).N(BC=1).					A
P	5883104				23F31X,36,30,37X,35X,					31X,34,33,35X					A
P	5883107		R/LOCKW	=	.										A
P	5883107				22F22										A
P	5883109		C/LOCKW	=	.CL-01E22										A
P	5883109				22F01X										A
P	5917100		LRXD	=	FF										A
P	5917100				08Q06										A
*	5917101		NLRXD	=	NFF										U
P	5917102		S/LRXD	=	*.OXC					+.BXP-3.GND2608					A
P	5917102				08Q\$.\$.19,					\$.10X,.08					A
P	5917107		R/LRXD	=	.										A
P	5917107				08Q09										A
P	5917109		C/LRXD	=	.CL-32P24										A
P	5917109				08Q01X										A
P	5917200		LRXR	=	I.CROSSEN										A
P	5917200				09P40,50										A
P	5917202				I.LRXZ										A
P	5917202				09Q40,50										A
P	5917204				-CON										U
P	5917204				08Q07										U
P	5919900		LRXZ	=	B.FUSIO.PRE3-G										A
P	5919900				32D35,38,43,35-01D44C-32N44C-17Q13T										A
P	6025100		MASTER	=	NFF										A
P	6025100				18S21										A
P	6025101		NMASTER	=	FF										A
P	6025101				18S02,02-01R41C-01M41C-32K31C-01A31C-16B09T										A
P	6025102		S/NMASTER	=	*.S8.PSW1XS					+.GND2818					A
P	6025102				18S18X,18X,25,10X,					18X,17X					A
P	6025107		R/NMASTER	=	.PSW1XS										A
P	6025107				18S23										A
P	6025109		C/NMASTER	=	.CL-32P34										A
P	6025109				18S01										A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																																													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	6038030		N(S/MBXS) = 1.(IOPH0.SW15).(DATAIN.NSW4).ND7-1																					A																																													
P	6038030		32C12,06,05,07,12-23C42C-23D42C-26D24T																					A																																													
	6038034		1*+.FAST-1.PH1/F										+.FAMT.SW2.PRE/34-A											C																																													
P	6038034		24B14, \$, \$, 04, 12,										\$, 17, 28, 27											C																																													
	6038036		+.N(IOPOP.IOPADD).FA10/1.PH2																					C																																													
P	6038036		24B\$, 03, 02, 13																					C																																													
	6038038		1*+. (FAST/S.PH6).NMCZ										+.PCP4.SWK3											A																																													
P	6038038		23B25, \$, \$, 47, 26X,										\$, 43, 42											A																																													
	6038040		+. (FAPSD.PRE3).07										+. (FAMT.PH2.NRZ).NO1-1											C																																													
P	6038040		23B\$, 44, 45,										\$, 46, 50											A																																													
	6038042		+.FAPSD.PH1-E																					A																																													
P	6038042		23B\$, 33, 17X																					A																																													
	6038044		1*+.FASTORE.PRE/34-A										+.FASTORE/1.PH1-E											A																																													
P	6038044		23B23, \$, \$, 20, 21,										\$, 18, 19X											A																																													
	6038046		+.PCP5.SWK1										+.PCP4.SWK1											A																																													
P	6038046		23B\$, 14, 15X,										\$, 29X, 15X											A																																													
	6038048		+. (FAST.PH1/E).PH1-E										+. (FASEL.PH3).OL7											A																																													
P	6038048		23B\$, 12, 17X,										\$, 06, 07											A																																													
	6038050		MBXS/0 = FF																					A																																													
P	6038050		24F02, 02-03F01C-32S01C-24R02C-24Q02C-14N36C-14M36C-11M27T																					A																																													
	6038051		NMBXS/0 = NFF																					A																																													
P	6038051		24F21																					A																																													
	6038052		S/MBXS/0 = ++.(NP32.NP33).(IOPH0.SW14.DATAIN)																					A																																													
P	6038052		24F18X, 18X, 25, 10X																					A																																													
	6038054		+.GND1624																					A																																													
P	6038054		24F18X, 17X																					A																																													
	6038056		+. (S/MBXS/0).																					A																																													
P	6038056		23F38, 39, 37X																					A																																													
	6038057		R/MBXS/0 = .DRQ-1																					A																																													
P	6038057		24F23																					A																																													
	6038059		C/MBXS/0 = .CL-01E18																					A																																													
P	6038059		24F01X																					A																																													
	6038070		(S/MBXS/0) = 1*+.N(NP32.NP33)-1.FABYTE.EXC																					A																																													
P	6038070		18F41, \$, \$, 38, 39X, 37, 41-22E39T																					A																																													
	6038072		+.P32-1.(FAHW.EXC)										+. (N(S/MBXS)+IOIN).											F																																													
P	6038072		18F\$, 45, 44X,										\$, 28X, 27											A																																													
	6038200		MBXS/1 = FF																					A																																													
P	6038200		24F04, 04-03F02C-32S02C-24R03C-24Q03C-14N50C-14M50C-11M33T																					A																																													
	6038201		NMBXS/1 = NFF																					A																																													
P	6038201		24F05																					A																																													

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS			C/L
			10	20	30	40	50	60	70			
P	6038607		R/MBXS/3 = .DRQ-1									A
P	6038607		24F09									A
P	6038609		C/MBXS/3 = .CL-01E18									A
P	6038609		24F01X									A
P	6038620		(S/MBXS/3) = I*+.N(P32.P33)-1.FABYTE.EXC									A
P	6038620		18F30,\$,\$,34,39X,33,30-26F19T									A
P	6038622		+ .NP32-1.(FAHW.EXC)									F
P	6038622		18F\$,46,44X,									A
P	6038800		(N(S/MBXS)+IOIN) = I.(S/MBXS).NIOIN									F
P	6038800		26E36,37,44,36-16E38T									F
P	6040100		MC0005Z = B.NMC0.NMC1.NMC2.NMC3									A
P	6040100		07N14,21,20,29,19									A
P	6040102		B.NMC4.NMC5									A
P	6040102		07N13,04,08									A
P	6040600		(MC=1) = B.MC0005Z.NMC6.MC7									A
P	6040600		20Q35,22,23,24,35-32Q36C-01C36C-22B12T									M
P	6041030		MCDC3 = I.NMDC7.									A
P	6041030		08N41,38,33X									A
P	6041032		B.NMC4.NMC5.NMC6.NMC7									A
P	6041032		07N34,24,23,22,28									A
P	6041070		MCDC7 = I.NMDC7									A
P	6041070		08N10,09,10-19N04T									A
P	6041100		NMDC7 = I*+.FAFL-1.PH3-D									A
P	6041100		22D24,\$,\$,34,35,\$,37,19X,24-01D11C-32N11C-09N08T									A
P	6041102		+ .FARWD.PH3-D									C
P	6041102		22D\$,39,31,									A
P	6041104		+ .DIT/1.									A
P	6041104		22D\$,41X,40X,									A
P	6041106		+ .MIT/1.									C
P	6041106		22D\$,28,40X,									A
P	6041110		I.FAST/M.NIOEN.PH6-E.NMCZ									J
P	6041110		20D14,21,20,29,19									J
P	6041200		MCX = I.NMCXS.NCLEAR-I									A
P	6041200		08C45,39,42,45-02A50C-31K50C-10M22C-10N22C-19N30T									A
P	6047500		MCXNPL1 = B.P25-1.PRE3-H.FASH									A
P	6047500		20Q07,01,02,06									A
P	6047600		MCXPL2 = B.FASH.PRE3-H.NP25									A
P	6047600		20Q09,04,03,05									A

CODE	LINE NO.	CHG	LOGIC EQUATIONS												PINS				REMARKS	C/L																																				
			1	2	3	4	5	6	7	8	9	10	11	12	20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
P	6192002		S/MRC	=+. (S/MRQ)																+.GND2818		A																																		
P	6192002			18S11X, 11X, 20,												11X, 10X, 13						A																																		
P	6192007		R/MRC	=. (DRQ+RESET)																		A																																		
P	6192007			18S15																		A																																		
P	6192009		C/MRC	=.CL-32P34																		A																																		
P	6192009			18S01X																		A																																		
P	6192050		(MRC.DRQ)	=B.MRC.DRQ																		A																																		
P	6192050			05R36, 44, 37																		A																																		
P	6192100		MRCL	=-BDS*DL1/240																		A																																		
P	6192100			23T29, 47, 29-20R43T																		A																																		
P	6196100		MRQ	=FF																		A																																		
P	6196100			18S06																		A																																		
P	6196101		NMRQ	=NFF																		A																																		
P	6196101			18S07																		A																																		
P	6196102		S/MRQ	=+. (S/MRQ)																+.GND2818		A																																		
P	6196102			18S\$, \$, 19,												\$, 10X, 08						A																																		
P	6196107		R/MRQ	=.																		A																																		
P	6196107			18S09																		A																																		
P	6196109		C/MRQ	=.CL-32P34																		A																																		
P	6196109			18S01X																		A																																		
P	6196120		(S/MRQ)	=I.N(S/MRQ/1).N(S/MRQ/2).N(S/MRQ/3).N(S/MBXS)																		A																																		
P	6196120			21C08, 11, 12, 13, 14, 08-01C43C-32Q43C-10Q13C-10R13C-19S18T																		A																																		
P	6196122			I*+. (FAST/L.PH6).(MC=1)																		M																																		
P	6196122			20B20, \$, \$, 02, 01																		M																																		
P	6196123			+.ANLZ.PRE3-B																		M																																		
P	6196123			20B\$, 23, 24																		M																																		
P	6196124			+. (S/TRAP).																		AA																																		
P	6196124			20B\$, 21, 22																		M																																		

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	6196400			N(S/MRQ/3)	=	I*+.FALOAD/A.(PH1+PH3)										A
P	6196400					22C14,\$,\$,17,15,14-23C13C-23D13C-26F42T										A
P	6196402					+ .FACOMP/L.PRE3-A.OUI.NANLZ										A
P	6196402					22CS,02,03,01,04X										A
P	6196404					I*+.FADW/1.(PRE/34+PH2)										A
P	6196404															A
P	6196406					28C12,\$,\$,10,09,										A
P	6196406					+.(10PH3.SW11).										A
P	6196406					28CS,02,03										A
P	6196408					I.FA10/1.PH5-B.NSW0-1.NR31										A
P	6196408					19B34,24,23,22,28										A
P	6196500					NMRQP1 =FF										A
P	6196500					24F30,30-23D23C-23C23C										A
P	6196501					MRQP1 =NFF										A
P	6196501					24F29										A
P	6196502					S/NMRQP1 =*+.N(S/MRQ/3).										A
P	6196502					24F41X,41X,42,36X,										A
P	6196507					R/NMRQP1 =.										A
P	6196507					24F40										A
P	6196509					C/NMRQP1 =.CL-01E18										A
P	6196509					24F01X										A
P	6227000					MUSIC =FF										A
P	6227000					22F06,06-23D27C-23C27C										A
P	6227001					NMUSIC =NFF										A
P	6227001					22F07										A
P	6227002					S/MUSIC =*+. (WDINT.B30).NMUSIC										C
P	6227002					22FS,\$,10X,08,										A
P	6227007					R/MUSIC =.(WDINT.B30)										A
P	6227007					22F09										A
P	6227009					C/MUSIC =.CL-01E22										A
P	6227009					22F01X										A
P	6240100					/MWO/ =-BCD .MWO										U
P	6240100					18R\$, 23										U
P	6240102					MWO =B * + .MBXS/0.										U
P	6240102					23S41,\$,\$,27, 28X										U
P	6240104					+ .CC1 .MWXCC										U
P	6240104					23S\$,45, 44X										U
P	6240106					+ .GND2823.										U
P	6240106					23S\$,39X, 37,38										U

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2	3	4	5	6	7	8	9	10
P	6240110		/MW1/	=-BCD	.MW1			.CABLE PIN 09-K	U
	6240110			18R\$,	25				U
P	6240112		MW1	=B	* + .MBXS/1.				U
	6240112			23S42,	\$. \$, 29,	28X			U
P	6240114				+ .CC2	.MWXCC			U
	6240114			23S\$,	43,	44X			U
P	6240116				+ .GND28	23.			U
	6240116			23S\$,	39X,	40, 50			U
P	6240120		/MW2/	=-BCD	.MW2			.CABLE PIN 10-L	U
	6240120			18R\$,	33				U
P	6240122		MW2	=B	* + .MBXS/2.				U
	6240122			23S31,	\$. \$, 25,	28X			U
P	6240124				+ .CC3	.MWXCC			U
	6240124			23S\$,	47,	44X			U
P	6240126				+ .GND28	23.			U
	6240126			23S\$,	39X,	35, 36			U
P	6240130		/MW3/	=-BCD	.MW3			.CABLE PIN 11-M	U
	6240130			18R\$,	35				U
P	6240132		MW3	=B	* + .MBXS/3.				U
	6240132			23S30,	\$. \$, 26,	28X			U
P	6240134				+ .CC4	.MWXCC			U
	6240134			23S\$,	46,	44X			U
P	6240136				+ .GND28	23.			U
	6240136			23S\$,	39X,	33, 34			U
P	6240400		MWXCC	=B	.07-1.0M				U
	6240400			05R33,	26, 27, 25				U
P	6514500		(04.05)	=B.04.05.					A
	6514500			03A35,	22, 23, 24, 35-11C31C-11D31C-16E15T				A
P	6514505		(04.N05)	=B.04.N05					A
	6514505			03A17,	20, 21, 17-12A38T				A
P	6514510		(N04.05)	=B.N04.05					A
	6514510			05A17,	20, 21, 17-12A39T				A
P	6514515		(N04.N05)	=B.N04.N05					A
	6514515			04A17,	20, 21, 17-12A09T				A
P	6554100		ODINST	=B.ORDERIN.	10PH0.SW15				A
	6554100			16F15,	30, 18, 31, 15-03E35C-32M35C-05K44T				B
P	6630000		OLD	=B.N04	.N05.N06.N07				A
	6630000			04A08,	11, 12, 13, 14				A

CODE	LINE NO.	CHK	LOGIC EQUATIONS		PINS		REMARKS	C/L
			10 123456789	20 23456789	30 23456789	40 23456789			50 23456789	60 23456789	70
P	6631300		OLD	=B.04 .05.N06.07. 03A37,29,30.31,33,34,37-31C36C-31D36C				A A
P	6631400		OLE	=B.04 .05.06.N07. 03A38,40,41,42,43,44,38-12A40T				A A
P	6631500		OLF	=B.04 .05.06.07 03A39,45,46,47,50,39-06B38T				A A
P	6631600		NOLF	=I .OLF 05B02,03,09,02-06B28T				V U
P	6640000		OLDMEM	=-BCR * /OLDMEM/ 31N38, \$, 38-32M29C-03E29C-03D45C-03C45C-06B33T				U U
P	6640100		/OLDMEM/	=-BCD * GND2431 ,CABLE PIN 12-N 31N\$, 37,				U U
P	6650000		OM	=I .NOM 05B46,40,41,46-01A09C-32K09C-21N50J-20R06T,				U U
P	6650010		NOM	=I .NOL2 .FALOAD .(NANLZ.PRE3) 05B12,07,06,05,12-06B40T				U U
P	6651000		/OM/	=-BCD . B .OM 18R\$, 45,23S05,03			.CABLE PIN 14-R	U U
P	6651010		N(OM.OL6)	=I .OL6 .OM 05B13,04,08,13-06B14T-07C45C-07D45C				U U
P	6691000		ORDERIN	=B.SW1.NSW2 16F02,03,09,02-06E45T				A A
P	6691100		ORDEROUT	=B.SW1.SW2 16F13,04,08,13-11C17C-11D17C-01A03C-32K03C-23K40T				A B
P	6691110		NORDEROUT	=I.SW1.SW2 08C13,04,08,13-09C02T				A A
P	6691140		(ORDEROUT+SW4)	=I.NORDEROUT .NSW4 08C02,03,09,02-07C04C-07D04C-26D33T				A A
P	6691700		ORDSW4	=I.NSW1.NSW4 19F13,04,08,13-19C27C-19D27C-16B28T				A A
P	6692500		/ORIL/	=-BCD*B.KINLVSEL. 15S\$,37,16S25,23,29X				A A
P	6720000		OUD	=B.N01.N02.N03 04A07,01,02,06,07-07C44C-07D44C-12D46T				A A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																																															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70		
P	6733107		R/OVERIND/1=.CLEAR																					A																																															
P	6733107		29A09																					A																																															
P	6733109		C/OVERIND/1=.CL-01E03																					A																																															
P	6733109		29A01X																					A																																															
P	6750100		OX =I.NOXC.N(ANLZ.PRE3)																					A																																															
P	6750100		29C35,38,43,35-01A50C-32K50C-24L23T																					A																																															
P	6752000		OXC =I.NOXC																					A																																															
P	6752000		24C18,04,20X,18-01A30C-32K30C-14M37C-14N37C-17Q12T																					A																																															
P	6752020		NOXC =I.FUANLZ.PH1-B																					A																																															
P	6752020		16A25,23,29X,25-25C37T																					A																																															
P	6752022		B.N(NINTRAP1.INTRAP2).NPH10																					A																																															
P	6752022		17A35,38,43																					A																																															
P	6802100		(P21.P22+PUC20)=I.N(P21.P22).NPUC20																					A																																															
P	6802100		16T01,10,11,01-20R41T																					A																																															
P	6802120		N(P21.P22)=I.P21.P22																					A																																															
P	6802120		07R06,07,08,06-22T03T																					A																																															
P	6802300		P2325W =B.P23.P24.P25																					A																																															
P	6802300		11R33,26,25,27																					A																																															
P	6802340		P2329Z =B.NP23.NP24.NP25.P2629Z																					A																																															
P	6802340		05R14,19,20,21,29																					A																																															
P	6802600		P2629W =B.P26.P27.P28.P29																					A																																															
P	6802600		11R15,30,18,31,17																					A																																															
P	6802640		P2629Z =B.NP26.NP27.NP28.NP29																					A																																															
P	6802640		11R34,24,23,22,28																					A																																															
P	6802850		N(P28.P31)=I.P28-1.P31-1																					A																																															
P	6802850		18L46,40,41,46-32K39C-01A39C-16B01T																					A																																															
P	6802900		(P29.NP30.NP31)=B.P29.NP30.NP31																					A																																															
P	6802900		05R12,05,06,07,12-10Q12C-10R12C-19N06T																					A																																															
P	6803000		(P30.NP31)=B.P30.NP31																					A																																															
P	6803000		05R13,04,08,13-05M14C-05N14C-19Q14C-19R14C-01L01T																					A																																															
P	6803010		(NP30.P31)=B.NP30.P31																					A																																															
P	6803010		05R02,03,09,02-19Q02C-19R02C-19N38T																					A																																															
P	6803200		(P32.P33+PUC31)=I.NPUC31.N(P32.P33)																					A																																															
P	6803200		14S17,20X,01,17-20R40T																					A																																															

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	6803205		(P32.P33)=B.P32-1.P33-1							A
	6803205		32D01,10,11.01-06E06T							A
P	6803210		(P32.NP33)=B.P32-1.NP33-1							A
	6803210		32D46,40,41,46-12D42T							A
P	6803212		(NP32.P33)=B.NP32-1.P33-1							A
	6803212		27F01,10,11,01-06E07T							A
P	6803216		(NP32.NP33)=B.NP32-1.NP33-1							A
	6803216		21F35,38,43,35 -07C14C-07D14C-12A20T							A
P	6803220		(NP32.NP33+PDC31)=I.NPDC31.N(NP32.NP33)							A
	6803220		16T46,41,40,46-06R29T							A
P	6803240		N(P32.P33)=I.P32.P33							A
	6803240		12S24,23,22							A
P	6803245		N(P32.P33)-1=I.(P32.P33).							A
	6803245		04F41,38,33X,41-16E46T							A
P	6803250		N(P32.NP33)=I.(P32.NP33).							A
	6803250		04F36,37,33X,36-16E45T							A
P	6803254		N(NP32.P33)=I.(NP32.P33).							A
	6803254		04F47,31,50X,47-16E44T							A
P	6803256		N(NP32.NP33)-1=I.(NP32.NP33).							A
	6803256		04F46,30,50X,46-16E43T							A
P	6803260		N(NP32.NP33)=I.NP32.NP33							A
	6803260		16T36,44,37,36-20R39T							A
P	6803280		N(NP32.NP33.B0)=I.(NP32.NP33).B0-1							A
	6803280		30D45,39,42,45-16E41T							A
P	6803290		N(P32.P33.NB0)=I.(P32.P33).NB0							A
	6803290		30D36,44,37,36-22E44T							A
P	6806240		P32HOLD =B.P32-1.							A
	6806240		13F17,01,20X,17-03F04C-32S04C-20R06T							A
P	6806242		B.PBAHOLD							A
	6806242		13F15,13							A
P	6809190		P33HOLD =B.P33-1							A
	6809190		14F10,09,10-03F05C-32S05C-20R18T							A
P	6809192		B.PBAHOLD							A
	6809192		13F11,12							A
P	6812150		PARITYOK =-BCR*/POKC/							A
	6812150		15S27,\$							A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	6821220		PCP2/1 = B.PCP2.NPCP3.																					A																										
P	6821220		17A14,19,20,21,29,14-07C17C-07D17C-26D44T																					A																										
P	6821242		PCP2/L = -LD.PCP2/LP.																					A																										
P	6821242		15A\$,17,10X																					A																										
P	6821250		PCP2/LP = I.NPCP2.NPCP3.NPCP6																					A																										
P	6821250		18A33,26,25,27,33-12A17T																					A																										
P	6821300		PCP3 = FF																					A																										
P	6821300		28A31,31-07C18C-07D18C																					A																										
P	6821301		NPCP3 = NFF																					A																										
P	6821301		28A26,26-15C15C-15D15C																					A																										
P	6821302		S/PCP3 = *+. (S/PCP3).																				+ .GND1128	A																										
P	6821302		28A46X,46X,43,36X.																				46X,37X	A																										
P	6821307		R/PCP3 = .																					A																										
P	6821307		28A44																					A																										
P	6821309		C/PCP3 = .CL-01E03																					A																										
P	6821309		28A01X																					A																										
P	6821320		(S/PCP3) = I.N(S/PCP3/1).																					A																										
P	6821320		16A17,01,20X,17-22B01																					A																										
P	6821322		B.PCP2/1. NIOCON.NDCSTOP.																					D																										
P	6821322		17A34,24,23,22,28																					A																										
P	6821330		N(S/PCP3/1) = I*+.NHALT.KAS/1.KAS/2																				+ .INT.KRUN/1	AB																										
P	6821330		24B01,\$,\$,08,09,10,																				\$.07,06,01-22B02T	A																										
P	6821332		+.CLEARMEM.																					A																										
P	6821332		24B\$,11,05																					A																										
P	6821360		(PCP3.NBRPH10) = B.NBRPH10.PCP3																					A																										
P	6821360		17A46,41,40																					A																										
P	6821400		PCP4 = FF																					A																										
P	6821400		28A30,30-16C13C-16D13C																					A																										
P	6821401		NPCP4 = NFF																					A																										
P	6821401		28A29																					A																										
P	6821402		S/PCP4 = *+. (PCP3.NBRPH10).																				+ .GND1128	A																										
P	6821402		28A41X,41X,42,36X.																				41X,37X	A																										
P	6821407		R/PCP4 = .																					A																										
P	6821407		28A40																					A																										
P	6821409		C/PCP4 = .CL-01E03																					A																										
P	6821409		28A01X																					A																										

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	6821420		N(PCP4.KFILL/B)	=I.PCP4.KFILL/B-1												A
P	6821420			26E01.10,11,01				-30E12T								S
P	6821448		PCP4/L	=-LD*+.PCP4/LP.KD1-2				+ .IOSC.NKD1-2								A
P	6821448			15A\$. \$. \$. 22, 29X,				\$. 21, 20								A
P	6821450		PCP4/LP	=I.NPCP4.NPCP5.NPCP6												A
P	6821450			18A12, 06, 05, 07, 12-06C50T												A
P	6821454		NPCP4/LP	=I.PCP4/LP.												A
P	6821454			05C36, 37, 33X, 36-06C47T												A
P	6821500		PCP5	=FF												A
P	6821500			29A14, 14-27C04C-27D04C												A
P	6821501		NPCP5	=NFF												A
P	6821501			29A12												A
P	6821502		S/PCP5	=*+.BRPCP5.				+ .PCP4								A
P	6821502			29A11X, 11X, 13, 10X,				11X, 20								A
P	6821507		R/PCP5	=.												A
P	6821507			29A15												A
P	6821509		C/PCP5	= .CL-01E03												A
P	6821509			29A01X												A
P	6821560		(PCP5.NBRPCP5)	=B.NBRPCP5.PCP5												A
P	6821560			17A45, 42, 39												A
P	6821600		PCP6	=FF												A
P	6821600			28A33, 33-03C28C-03D28C												A
P	6821601		NPCP6	=NFF												A
P	6821601			28A34												A
P	6821602		S/PCP6	=*+. (PCP5.NBRPCP5).				+ .GND1128								A
P	6821602			28A39X, 39X, 35, 36X,				39X, 37X								A
P	6821607		R/PCP6	=.												A
P	6821607			28A38												A
P	6821609		C/PCP6	= .CL-01E03												A
P	6821609			28A01X												A
P	6821615		N(PCP6.KFILL/B)	=I.PCP6.KFILL/B-1												A
P	6821615			26E02.03,09,02-16C10C-16D10C-09A47T												A
P	6821620		PCPACT	=I.NPCP4/LP.NPCP1 .NPCP3												A
P	6821620			05C06, 14, 08, 07, 06-27C05C-27D05C-30E50T												A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8 9	0	10 1 2 3 4 5 6 7 8 9	20 1 2 3 4 5 6 7 8 9	30 1 2 3 4 5 6 7 8 9	40 1 2 3 4 5 6 7 8 9	50 1 2 3 4 5 6 7 8 9	60 1 2 3 4 5 6 7 8 9	70
P	6825180		PDC18	=B.PDC29.P2329Z					A
P	6825180			05R01,10,11					A
P	6825182			B.NP19.NP20.NP21.NP22					A
P	6825182			05R34,24,23,22,28					A
P	6825220		PDC22	=B.PDC29.P2329Z					A
P	6825220			03R01,10,11					A
P	6825250		PDC25	=B.PDC29.P2629Z					A
P	6825250			11R01,10,11					A
P	6825290		PDC29	=B.(NP32.NP33+PDC31).PDC3033.NP30.NP31					A
P	6825290			11R14,29,19,21,20					A
P	6825300		PDC3033	=I.NPDC31.NPDC33					A
P	6825300			16T35,43,38,35-06R18T					A
P	6825310		NPDC31	=I*+.FADW/1.PRE3-F				+. (FAST/L.PH6).OU0.	A
P	6825310			12E22,\$,\$,07,06,\$,05,04,13,22-03F13C-32S13C-06R04T					A
P	6825311			+. (FAST/M.PRE3.NOUD).NOLA					A
P	6825311			12E\$,11,12					A
P	6825312			+. (IOPH1.SW13). (NIOEN+IOB0).IFAST/S					A
P	6825312			12E\$,21X,20,19,18					A
P	6825313			+. (IOPH1.SW13). (NIOEN+IOB0).IFAST/L.NOUD					A
P	6825313			12E\$,21X,08,09,10					A
P	6825315			I.FASTORE.PH1-D.OU1					A
P	6825315			09D33,26,27,25					A
P	6825317			I.FACOMP/L.PRE3-D.OU1					A
P	6825317			04D15,25,18,26					A
P	6825319			I*+.FAST-2.PH1/F					A
P	6825319			13E04,\$,\$,06X,07					A
P	6825321			+.FUMMC-1.PH10-E.(INT+IOSC).NMCZ.ENDE					A
P	6825321			13E\$,11,14X,09,10,08					A
P	6825325			I*+. (FAST.PRE3).				+. (FAST/A.PH8).	A
P	6825325			13E42,\$,\$,29,28X,				\$,43,44X	A
P	6825327			+. (FUEXU.(INT+IOSC)).ENDE.					A
P	6825327			13E\$,40,50,39X					A
P	6825329			B.N(FULAD.PRE4).					A
P	6825329			15F36,37,33X					A
P	6825332		(NPDC31.NPUC31)	=B.NPDC31.NPUC31					A
P	6825332			03R02,03,09					A
P	6825340		NPDC33	=I.(IOPH0.SW13)-F.DATAIN.RSCLN.B0-1					A
P	6825340			09D34,24,23,22,28,34-03F42C-32S42C-19S34T					A
P	6825342			I.(IOPH1.SW8).(DATAIN.NSW4).B0-1					A
P	6825342			14E15,25,26,18					A
P	6830155		PE	=-BCR*/PEC/					A
P	6830155			15S13,\$.					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	6831350		/PEC/	=-BCD*GND2815						A
P	6831350			155\$,12						A
P	6832200		PEINT	=FF						A
P	6832200			24A14,14-03C42C-03D42C-03F20C-32S20C-20R04T						A
P	6832201		NPEINT	=NFF						A
P	6832201			24A12						A
P	6832202		S/PEINT	=*(S/PEINT).			+GND1124			A
P	6832202			24A11X,11X,13,10X,			11X,20			A
P	6832207		R/PEINT	=(R/PEINT)						A
P	6832207			24A15						A
P	6832209		C/PEINT	=(CL-01E07						A
P	6832209			24A01X						A
P	6832220		(R/PEINT)	=I.N(R/PEINT/2).NRESET						A
P	6832220			08C46,40,41,46-26A17T						A
P	6832225		N(R/PEINT/2)	=B.IP6.NIS6-1						X
P	6832225			03R45,39,42,45-24R31C-24Q31C-32Q42C-01C42C-09C04T						A
P	6832230		(S/PEINT)	=B.PEM-1.NIOACT.NKHOP-2.						A
P	6832230			17B15,30,18,31,17						A
P	6832400		PEM	=FB*(PEM.N(R/PEM))-1.			+PE.			A
P	6832400			15T44,\$,34,33,35X,			\$.42,43,41X,44-06R07T			A
P	6832410		NPEM	=I.PEM-1.						A
P	6832410			31F19,03,20X,19-16E40T						A
P	6832420		PEM-1	=B.PEM..						A
P	6832420			11R12,07,06,05.						A
P	6832422			B						A
P	6832422		11R12,12-01R17C-01M17C-32M33C-03E33C-27D30C-27C30C-16B30T							A
P	6832430		N(R/PEM)	=I*(RESET.			+NIOACT.PEINT			A
P	6832430			07E22,\$,04,03X,\$,08,09,			22-03F07C-32S07C-11S12T			A
P	6832432			+(IOPH3.SW11).NSW5			+(IOPH0.SW8).			A
P	6832432			07E\$,10,11,			\$.01,03X			A
P	6832434			+(IOPH1.SW13).			+RESET10.			A
P	6832434			07E\$,13,30X,			\$.02,26X			A
P	6832436			+GND1611.(PRE3+PH1/F+PH8)						A
P	6832436			07E\$,05,19X						A
P	6832500		N(R/PEM)-1	=B.N(R/PEM)						A
P	6832500			16S26,24,29X,26-19S13T						A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	6845100		PH1	=FF												A
	6845100			31A30,30-27C29C				-27D29C-30E36T								A
P	6845101		NPH1	=NFF												A
	6845101			31A29,29-29B47T												A
P	6845102		S/PH1	=*+.BRPH1.NCLEAR-1								+GND1131				A
	6845102			31A41X,41X,42,36X,								41X,37X				A
P	6845104			+PRE/34-A.NBR..												A
	6845104			30A36,30,35X,31X,37X												A
P	6845107		R/PH1	=.												A
	6845107			31A40												A
P	6845109		C/PH1	=CL-01E01												A
	6845109			31A01X												A
P	6845110		PH1-F	=B.PH1												A
	6845110			32E10,09,10-06E11T												A
P	6845120		PH1-A	=I.NPH1.												A
	6845120			30B19,03,20X,19-26A06T-29B43T												A
P	6845122		PH1-B	=I.NPH1.												A
	6845122			30B05,02,20X,05-25C08T-12A18T												A
P	6845124		PH1-C	=B.PH1.												F
	6845124			28B25,29X,23,25-29B46T												F
P	6845126		PH1-D	=B.PH1												A
	6845126			32E11,12,11-12D27T-06E09T												A
P	6845128		PH1-E	=I.NPH1												A
	6845128			30B11,12,11-09C31T												A
P	6845150		PH1/A	=B.PH1-C.SW8												A
	6845150			30C36,33X,37,36-22B11T												A
P	6845155		PH1/B	=B.PH1-C.SW9												A
	6845155			30C41,33X,38,41-11C19C-11D19C-16E02T												A
P	6845160		PH1/C	=B.PH1-C.SW10												A
	6845160			30C35,33X,39,35-19C19C-19D19C-30E28T												A
P	6845165		PH1/D	=B.PH1-C.SW11												A
	6845165			30C34,33X,40,34-07C12C-07D12C-06E10T												A
P	6845170		PH1/E	=B.PH1-C.SW12												A
	6845170			30C26,29X,24,26-11C21C-11D21C-16E14T												A

SIGMA 5 CPU

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L
1	2 3 4 5 6 7 8 9	10	11 12 13 14 15 16 17 18 19 20	21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68 69 70	71 72 73 74 75 76 77 78 79 80	81 82 83 84 85 86 87 88 89 90	91 92 93 94 95 96 97 98 99 100		
P	6845407		R/PH4	=									A
P	6845407			31A22									A
P	6845409		C/PH4	=	.CL-01E01								A
P	6845409			31A01X									A
P	6845455		PH4-B	=	I.NPH4.								A
P	6845455			30B46,30,50X,46-16B03T									A
P	6845460		PH4-D	=	B.PH4.								A
P	6845460			29D27,22,29X,27-12D43T									A
P	6845488		PH4/L	=	LD*+.PH4/LP.KD1-2								A
P	6845488			15A\$.\$.\$.28,29X,									A
P	6845490		PH4/LP	=	I.NPH4.NPH5.NPH6.NPH7								A
P	6845490			32C34,24,23,22,28,34-12A29T									A
P	6845500		PH5	=	FF								A
P	6845500			32A27,27-27C20C-27D20C-30E24T									A
P	6845501		NPH5	=	NFF								A
P	6845501			32A28									A
P	6845502		S/PH5	=	*+.BRPH5.NCLEAR-1								A
P	6845502			32A50X,50X,47,36X,									A
P	6845504			+ .PH4 .NBR.									A
P	6845504			30A11,12,15X,13									A
P	6845507		R/PH5	=									A
P	6845507			32A45									A
P	6845509		C/PH5	=	.CL-01E01								A
P	6845509			32A01X									A
P	6845555		PH5-B	=	I.NPH5.								A
P	6845555			30B47,31,50X,47-09C50T									A
P	6845560		PH5-E	=	B.PH5.								A
P	6845560			29D18,04,20X,18-26F27T									A
P	6845600		PH6	=	FF								A
P	6845600			32A31									A
P	6845601		NPH6	=	NFF								A
P	6845601			32A26,26-31C23C-31D23C-30E22T									A
P	6845602		S/PH6	=	*+. (BRPH6.NIOEN).NCLEAR-1								A
P	6845602			32A46X,46X,43,36X,									A
P	6845604			+ .PH5 .NBR.NIOEN									B
P	6845604			30A40,41,43X,42X									A

CODE	LINE NO.	CHG	LOGIC EQUATIONS		PINS		REMARKS		C/L
			1 2 3 4 5 6 7 8 9 10	20 21 22 23 24 25 26 27 28 29 30	40 41 42 43 44 45 46 47 48 49 50	60 61 62 63 64 65 66 67 68 69 70			
P	6845607		R/PH6	=.					A
P	6845607			32A44					A
P	6845609		C/PH6	= .CL-01E01					A
P	6845609			32A01X					A
P	6845620		PH6-A	=B.PH6-E					A
P	6845620			32E15,13,15-02F18C-31Q18C-28P34T					A
P	6845635		PH6-B	=I.NPH6.					A
P	6845635			30B36,37,33X,36-25C31T					A
P	6845640		PH6-E	=I.NPH6.					A
P	6845640			31E28,21,29X,28-06E19T					A
P	6845675		(S/PH6/10)	=I.N(S/PH6/10)					A
P	6845675			31E15,13,15-01D27C-32N27C-22P18T					A
P	6845680		N(S/PH6/10)	=I.(IOPH1.SW13).(NIOEN+IOB0).NIPH10.NPCP2					A
P	6845680			26E34,24,23,22,28,34-22E07T					A
P	6845685		(S/PH6/10)-1	=I.N(S/PH6/10)					A
P	6845685			31E11,12,11-23D38C-23C38C-20A26T					A
P	6845700		PH7	=FF					A
P	6845700			32A30					A
P	6845701		NPH7	=NFF					A
P	6845701			32A29,29-31C28C-31D28C					A
P	6845702		S/PH7	=++.BRPH7.NCLEAR-1			+ .GND1132		A
P	6845702			32A41X,41X,42,36X,			41X,37X		A
P	6845704			+ .PH6 .NBR. .NIOEN					B
P	6845704			30A50,47,43X,46X,42X					A
P	6845707		R/PH7	=.					A
P	6845707			32A40					A
P	6845709		C/PH7	= .CL-01E01					A
P	6845709			32A01X					A
P	6845755		PH7-B	=I.NPH7.					A
P	6845755			30B41,38,33X,41-09C11T					A
P	6845765		PH7-D	=I.NPH7					A
P	6845765			28F11,12,11-12D41T					A
P	6845800		PH8	=FF					A
P	6845800			32A33,33-31C44C-31D44C-26D45T					A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
	1 2345678	9 10	1 23456789	20 23456789	30 23456789	40 23456789	50 23456789	60 23456789	70
P	6845801		NPH8	=NFF					A
	6845801			32A34,34-31C39C-31D39C					A
P	6845802		S/PH8	=*+.BRPH8.NCLEAR-1				+ .GND1132	A
	6845802			32A39X,39X,35,36X,				39X,37X	A
	6845804			+ .PH7 .NBR.					A
P	6845804			30A45,44,43X,46X					A
P	6845807		R/PH8	=.					A
	6845807			32A38					A
P	6845809		C/PH8	= .CL-01E01					A
	6845809			32A01X					A
P	6845855		PH8-B	=I.NPH8					A
	6845855			30B10,09,10-07C40C-07D40C-26D42T					A
P	6845888		PH8/L	=-LD*+.PH8/LP.KD1-2				+ .IOPH3.NK01-2	A
	6845888			15A\$, \$, \$, 26, 29X,				\$, 25, 23X	A
P	6845890		PH8/LP	=I.NPH8.NPH9.NPH10					A
	6845890			28C23,40,38,39,23-12A27T					A
P	6845900		PH9	=FF					A
	6845900			32A02					A
P	6845901		NPH9	=NFF					A
	6845901			32A21,21-27C50C-27D50C					A
P	6845902		S/PH9	=*+.BRPH9.NCLEAR-1				+ .GND1132	A
	6845902			32A18X,18X,25,10X,				18X,17X	A
	6845904			+ .FU3DR.NSGTZ.(PH1.NS/TRAP)					V
P	6845904			30A06X,04,05,07X					V
	6845905			+ .PH8 .NBR.					V
P	6845905			30A06X,17,15X,18,					V
P	6845907		R/PH9	=.					A
	6845907			32A23					A
P	6845909		C/PH9	= .CL-01E01					A
	6845909			32A01X					A
P	6845955		PH9-B	=I.NPH9.					A
	6845955			30B35,39,33X,35-09C09T					A
P	6845970		PH9-D	=I.NPH9					A
	6845970			31E10,09,10-30E07T					A
P	6846000		PH10	=FF					A
	6846000			32A04,04-25C36T					A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L
1	2	3	4	5	6	7	8
P	6846001		NPH10	=NFF			A
P	6846001			32A05,05-27C47C-27D47C-02E43C-31P43C-28P04T			C
P	6846002		S/PH10	=*+.BRPH10.NCLEAR-1		+GND1132	A
P	6846002			32A03X,03X,24,10X,		03X,17X	A
P	6846004			+FUBDR.(PH1.NS/TRAP).SGTZ.			V
P	6846004			30A19X,02,07X,		20, 03	V
P	6846005			+PH9 .NBR			V
P	6846005			30A19X,14,15X, 21,01			V
P	6846006			+FUBIR.(PH1.NS/TRAP).NBRPH9			V
P	6846006			30A10,09,07X,08			V
P	6846007		R/PH10	=.			A
P	6846007			32A22			A
P	6846009		C/PH10	=CL-01E01			A
P	6846009			32A01X			A
P	6884155		/POKC/	=BCD*GND2815			A
P	6884155			155\$,25			A
P	6885000		PON	=BCR*/IONN/			A
P	6885000			31N27,\$.27-24Q20C-24R20C			A
P	6886000		NPON	=I .PON.			R
P	6886000			14T19,03, 20X,19-20R07T			R
P	6887000		PONEN	=BCR * /IONEN/			R
P	6887000			31N22,\$			R
P	6900040		PR	=BCR*/PRC/			A
P	6900040			05F42,\$.42-16E19T			B
P	6900045			I.NPRI.NIOPEX			B
P	6900045			28F28,21,29X			B
P	6900100		PR0003	=B*+.PR0.PR1.PR2.PR3			A
P	6900100			29K23,\$.\$.43X,40X,39X,41X,23-29M40C-29N40C-19N43T			A
P	6900120		PR0015	=B*+.PR0003.PR0407.PR0811.PR1215			A
P	6900120			15N23,\$.\$.43X,40X,39X,41X			A
P	6900140		PR0407	=B*+.PR4.PR5.PR6.PR7			A
P	6900140			29K21,\$.\$.05X,10X,09X,07X,21-29M39C-29N39C-19N40T			A
P	6900160		PR0811	=B*+.PR8.PR9.PR10.PR11			A
P	6900160			30K23,\$.\$.43X,40X,39X,41X,23-29M38C-29N38C-19N39T			A
P	6900180		PR1215	=B*+.PR12.PR13.PR14.PR15			A
P	6900180			30K21,\$.\$.05X,10X,09X,07X,21-29M27C-29N27C-19N41T			A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8	9	10 1 2 3 4 5 6 7 8 9	20 1 2 3 4 5 6 7 8 9	30 1 2 3 4 5 6 7 8 9	40 1 2 3 4 5 6 7 8 9	50 1 2 3 4 5 6 7 8 9	60 1 2 3 4 5 6 7 8 9	70
P	6900200		PR1619	=B**.	PR16.PR17.PR18.PR19				A
P	6900200			17N23,\$,\$.	43X,40X,39X,41X,	23-19		N05T	A
P	6900220		PR1631	=B**.	PR1619.PR2023.PR2427.PR2831				A
P	6900220			15N21,\$,\$.	05X,10X,09X,07X,	21-19		N11T	A
P	6900240		PR2023	=B**.	PR20.PR21.PR22.PR23				A
P	6900240			17N21,\$,\$.	05X,10X,09X,07X,	21-19		N10T	A
P	6900260		PR2427	=B**.	PR24.PR25.PR26.PR27				A
P	6900260			16N23,\$,\$.	43X,40X,39X,41X,	23-19		N09T	A
P	6900280		PR2831	=B**.	PR28.PR29.PR30.PR31				A
P	6900280			16N21,\$,\$.	05X,10X,09X,07X,	21-19		N07T	A
P	6901000		/PRC/	=-BCD*GND1605					A
P	6901000			05F\$.	45				A
P	6902100		NPRE1	=FF					A
P	6902100			31A06,06-29	B40T				A
P	6902101		PRE1	=NFF					A
P	6902101			31A07,07-29	B41T				A
P	6902102		S/NPRE1	=**.	NCLEAR-1.GND1131			+.(S/PRE1)	B
P	6902102			31A5,\$.	10X,08.			\$.19	A
P	6902107		R/NPRE1	=.					A
P	6902107			31A09					A
P	6902109		C/NPRE1	=.	CL-01E01				A
P	6902109			31A01X					A
P	6902130		N(S/PRE1)	=I**.	NCLEAR.(FUANLZ.PH1)			+.(INTRAP2.NINTRAP1	A
P	6902130			24B29,\$,\$.	22,23.			\$.21,20,29-26A12T	A
P	6902132			+.(PRE1EN.PH10-E					A
P	6902132			24B\$.24,19					A
P	6902140		PRE1-A	=I.	NPRE1.				A
P	6902140			30B25,23,29X,25-07C41C-07D41C-16E20T					A
P	6902150		PRE/12	=I**.	PRE1.CO-1			+.(PRE1.INDX	A
P	6902150			28C01,\$,\$.	07,08,\$.06,05,01-11C40C-11D40C-10F35T				A
P	6902152			B**.	PRE1.			+.(NIA.NIXAL.PRE2	A
P	6902152			28C24,\$,\$.	30,35.			\$.31,33,34	A
P	6902155		NPRE/12	=I.	PRE/12.				A
P	6902155			05C19,03,20,19-16B04T					A
P	6902158		PRE1/L	=-LD**.	PRE1/LP.KDI-2			+.(SW1/LP.NKDI-2	A
P	6902158			15A\$,\$.	18,29X.			\$.19,13X	A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12	
P	6911500		NPRXNAD =FF			07P14,14-10M21C-10N21C-22M09T									A
P	6911501		PRXNAD =NFF			07P12									A
P	6911502		S/NPRXNAD=*.N(S/PRXNAD).N(S/SXAPD/1)			07P11X,11X,13,10X									A
P	6911504		+.GND2507			07P11X,20									A
P	6911507		R/NPRXNAD=.			07P15									A
P	6911509		C/NPRXNAD=.CL-32P18			07P01X									A
P	6911520		N(S/PRXNAD)=B.N(S/SXAPD).N(S/SXAORD).N(S/SXAEORD).N(S/SXD)			10E08,11,12,13,14,08-01D14C-32N14C-09N12T									A
P	6911522		I.FASEL-1.PRE3-F.OL7			08E15,25,18,26									A
P	6911524		B.N(S/SXNA).N(S/SXOP1).N(S/SXAM1).N(S/SXMA)			11E08,11,12,13,14									A
P	6911550		PRXNAD/0 =B.PRXNAD/1B.N(S/SPZ.NDIS)			20L46,30,50X,46-28K07T									A
P	6911560		PRXNAD/1A=B.PRXNAD/1B.N(S/SPZ.NDIS)			20L47,31,50X,47-22M27T									A
P	6911570		PRXNAD/1B=I.NFAIM-1.(SPZ.NDIS)			19L25,23,29X,25-30M39T									A
P	6911572		I.NPRXNAD.NDIS-3			19L46,30,50X									A
P	6911574		I.(DIS.NKSXD).			19L36,33X,37									A
P	6911580		PRXNAD/2 =I.NPRXNAD.NDIS-3			18L35,38,43,35-18M38C-18N38C-01P42T									A
P	6911582		I.(DIS.NKSXD).			19L35,33X,39									A
P	6911584		I.FABYTE.(SPZ.NDIS)			19L27,22,29X									A
P	6911590		PRXNAD/3 =I.NPRXNAD.NDIS-2			08N28,21,29X,28-06Q18T									A
P	6911592		I.(DIS.NKSXD)			08N15,13									A
P	6911700		NPRXNAND =FF			08P04									A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2	3	4	5	6	7	8	9	10
	6942300		NPUC31	=I**.(FA10/1.PH3).R31-1					A
P	6942300			12E14,\$,\$,17,15,14-03F30C-32S30C-06R09T					A
	6942302			+. (IOPH1.SW13).(NIOEN+IOB0).IFAST/L.OUO					A
P	6942302			12E\$,02,03,01,04					A
	6942304			I**.(IOPH3.SW13).					A
P	6942304			07E25,\$,\$,33,17X,					A
	6942306			+.PCP4.KINCRE/B-1					A
P	6942306			07E\$,45,44,					A
	6942308			+. (FAST/S.PH6).					A
P	6942308			07E\$,47,26X					A
	6942310			I** .FULAD.PRE3-F					A
P	6942310			25D29,\$,\$,22,23,					A
	6942312			+.GND1425.					A
P	6942312			25D\$,24,19					A
	6942314			I** .FAST-2.PH1/E					A
P	6942314			13E19,\$,\$,06X,15					A
	6942316			+.N(FUEXU.ENDE).PH10-E.NHALT.NIOSC					J
P	6942316			13E\$,12,14X,18,17					D
	6942317			.N(INT.KRUN).NKAHOLD)					D
P	6942317			13E13					D
	6942318			I** .FAST-2 .PH3-D.					D
P	6942318			13D30,\$,\$,46,31,29X,					A
	6942320			+. (FAST/L.PH6).NOUO.PH6-E					A
P	6942320			13D\$,42,45,33X					A
	6942322			+. (FA10/1.PH5).NR31.NSW0-2.					A
P	6942322			13D\$,41,43,44,40X					A
	6942330		PUC3033	=I.NPUC31.NPUC33					A
P	6942330			14S05,20X,02,05-20R23T					A
	6942400		NPUC33	=I.(IOPH0.SW13)-F.DATAIN.RSCLEN.NB0					A
P	6942400			09D15,30,18,31,17,15-03F31C-32S31C-11S09T					A
	6942402			I.(IOPH0.SW13)-F.DATAOUT.RSCLEN.					A
P	6942402			09D14,21,20,29,19					A
	6942404			I**.(IOPH1.SW8).DATAOUT.NSW4					A
P	6942404			14E30,\$,\$,41,40,50					A
	6942406			+. (IOPH1.SW8).(DATAIN.NSW4).NB0					A
P	6942406			14E\$,45,43,42					A
	6943000		PULLUP	=-NS					A
P	6943000			27S36					A
	6970100		NPX	=B.N(INTRAP1.NINTRAP2).NPXS.NPXK.NRESET-1					B
P	6970100			24D34,24,23,22,28,34-03F14C-32S14C-06R05T					A
	6970102			B.N(FA10.PH1).N(PCP4.KFILL/B)					A
P	6970102			32D15,30,18					A
	6970104			.N(PCP6.KFILL/B).N(PSW1XS)					A
P	6970104			32D31,17					A
	6970200		PX-2	=I.NPX					A
P	6970200			07R10,09,10-20R01T					A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L
1	2 3 4 5 6 7 8	9	10 1 2 3 4 5 6 7 8 9	20 1 2 3 4 5 6 7 8 9	30 1 2 3 4 5 6 7 8 9	40 1 2 3 4 5 6 7 8 9	50 1 2 3 4 5 6 7 8 9
P	6970300		PX-3	=I.NPX. 07R18,04,20X,18-20R03T			A A
P	6973900		PXINT	=B.NTRAP. (INTRAP1.NINTRAP2) 20F13,04,08,13-03F33C-32S33C-06R41T			A A
P	6973910		PXK	=I.NPK. 32F35,39,33X,35-03F24C-32S24C-19S04T			A A
P	6974100		NPXK	=I.PCP4.SWK5 18A01,11,10,01-19C22C-19D22C-30E15T			A A
P	6974200		PXK-2	=B.PXK. 24S18,04,20X,18-06R17T			A A
P	6974300		PXK-3	=B.PXK. 24S19,03,20X,19-06R21T			A A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L	
1	2 3 4 5 6 7 8	9	10 11 12 13 14 15 16 17 18 19	20 21 22 23 24 25 26 27 28 29	30 31 32 33 34 35 36 37 38 39	40 41 42 43 44 45 46 47 48 49	50 51 52 53 54 55 56 57 58 59	60 61 62 63 64 65 66 67 68 69 70
P	6977000		NPXS	=I**.(IOPH3.SW11).		+.PRE2.NFAIM	T	
P	6977000			05D23,\$\$.06,07.		\$.12,17X,23-06E23T	A	
P	6977002			+.FAST/A-2.PH5-E		+.FAST/A-2.PH7-D	A	
P	6977002			05D\$,15X,29X,		\$.15X,14	A	
P	6977004			+. (FAS10.NFAIM).(NANLZ.PRE3)			A	
P	6977004			05D\$,18,19X			A	
P	6977005			+.FUMMC-1.PH8-B			A	
P	6977005			05D\$,20,21			A	
P	6977006			I**.(IOPH1.SW8).VORDER			A	
P	6977006			05D22,\$\$.10,11.		\$.08,09	A	
P	6977008			+. (IOPH0.SW8).IFAST		+. (IOPH1.SW12).IFAST	A	
P	6977008			05D\$,04,03X,		\$.01,03X	A	
P	6977010			+.FARWD.(NANLZ.PRE3)		+.FUEXU.(NANLZ.PRE3)	A	
P	6977010			05D\$,13,30X,		\$.05,19X.	A	
P	6977012			+. (FADW/1.PH2).			A	
P	6977012			05D\$,02,26X			A	
P	6977014			I**.(IOPH1.SW8).VORDER		+.FUMMC-1.PH2-D	A	
P	6977014			05D24,\$\$.40X,28.		\$.40X,41X	A	
P	6977016			+.FACOMP/L.PH2-D		+.FALOAD/A-1.PH3-D	A	
P	6977016			05D\$,27,41X,		\$.39,31	A	
P	6977018			+.FAFL-1.PH5-E		+. (NANLZ.PRE3).GND1405	A	
P	6977018			05D\$,38,29X,		\$.30X,36	A	
P	6977020			+.FUWAIT.(NANLZ.PRE3)		+.NFAIM.PRE1-A	A	
P	6977020			05D\$,37,19X,		\$.34,35	A	
P	6977022			I**.(IOPH1.SW8).VORDER		+.FALOAD/A-1.PH1-D.NOU1	A	
P	6977022			08E14,\$\$.12,04.		\$.17,28,27	A	
P	6977024			+.FASEL-1.(NANLZ.PRE3).NOL7			A	
P	6977024			08E\$,03,02,13			A	
P	6977026			I**.(IOPH1.SW9)..		+. (IOPH0.SW10).	A	
P	6977026			13E31,\$\$.36,35,39X,		\$.25,28X	A	
P	6977028			+.PXSXB.			A	
P	6977028			13E\$,47,44X			A	
P	6977032			I.FAMDS.NFAIM.(NANLZ.PRE3).			A	
P	6977032			08F14,21,20,29,19			A	
P	6977050			PXS-2 =B.PXS.			A	
P	6977050			24S05,02,20X,05-06R34T			A	
P	6977060			PXS-3 =B.PXS.			A	
P	6977060			24S17,01,20X,17-06R35T			A	
P	6977100			PXS =I.NPXS.N(PSW1XS)			A	
P	6977100			08F46,40,41,46-31C31C-31D31C-20A13T-03F15C-32S15C-19S06T			A	
P	6977200			PXSXB =B.NFAFL.NFAMDS.PH9.			A	
P	6977200			28C47,42,44,43,45,47-15C31C-15D31C-12D35T			A	
P	6977300			PXTR =B.TRAP.(INTRAP1.NINTRAP2)			A	
P	6977300			24D46,41,40,46-03F17C-32S17C-06R11T			A	

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																																																		
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	40	41	42	43	44	45	46	47	48	49	50	50	51	52	53	54	55	56	57	58	59	60	60	61	62	63	64	65	66
P	7300100		R0	=B.IN0.IP0.IS0.NPON											U																																																
P	7300100			25R11X,30X,02X,10X,47X											A																																																
P	7300110		NR01	=I*+.REIP1										+R0	A																																																
P	7300110			25R43,\$,\$,\$.										\$.11X	A																																																
P	7300120		R10	=B.IN10.IP10.IS10.NISIN9											A																																																
P	7300120			30R11X,30X,02X,10X,47X											A																																																
P	7300130		NR1011	=I*+.REIP11										+R10	A																																																
P	7300130			30R43,\$,\$,\$.										\$.11X	A																																																
P	7300140		R12	=B.IN12.IP12.IS12.											A																																																
P	7300140			31R11X,30X,02X,10X,47X											A																																																
P	7300150		NR1213	=I*+.REIP13										+R12	A																																																
P	7300150			31R43,\$,\$,\$.										\$.11X	A																																																
P	7300160		NR1315	=I.REIP13											A																																																
P	7300160			31R01,\$.01-20R38T											A																																																
P	7300162			I.REIP15											J																																																
P	7300162			32R01,\$											J																																																
P	7300170		NR1357	=I.REIP1											A																																																
P	7300170			25R01,\$.01-20R37T											A																																																
P	7300171			I.REIP3											A																																																
P	7300171			26R01,\$											A																																																
P	7300172			I.REIP5											A																																																
P	7300172			27R01,\$											A																																																
P	7300173			I.REIP7											A																																																
P	7300173			28R01,\$											A																																																
P	7300180		R14	=B.IN14.IP14.IS14.NISIN13											A																																																
P	7300180			32R11X,30X,02X,10X,47X											A																																																
P	7300190		NR1415	=I*+.REIP15										+R14	A																																																
P	7300190			32R43,\$,\$,\$.										\$.11X	A																																																
P	7300200		R2	=B.IN2.IP2.IS2.NISIN1											A																																																
P	7300200			26R11X,30X,02X,10X,47X											A																																																
P	7300210		NR23	=I*+.REIP3										+R2	A																																																
P	7300210			26R43,\$,\$,\$.										\$.11X	A																																																
P	7300220		R4	=B.IN4.IP4.IS4.NISIN3											A																																																
P	7300220			27R11X,30X,02X,10X,47X											A																																																
P	7300230		NR45	=I*+.REIP5										+R4	A																																																
P	7300230			27R43,\$,\$,\$.										\$.11X	A																																																

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS	C/L
			1	2	3	4	5	6	7	8	9		
P	7300240	R6	=B.IN6	.IP6	.IS6	.NISIN5							A
	7300240		28R11X	.30X	.02X	.10X	.47X						A
P	7300250	NR67	=I*+.REIP7										A
	7300250		28R43	\$.\$. \$.									A
P	7300260	R8	=B.IN8	.IP8	.IS8								A
	7300260		29R11X	.30X	.02X	.10X	.47X						A
P	7300270	NR89	=I*+.REIP9										A
	7300270		29R43	\$.\$. \$.									A
P	7300280	NR911	=I.REIP9										A
	7300280		29R01	\$.01	-20R36T								A
P	7300281		I.REIP11										A
	7300281		30R01	\$. \$									A
P	7300800	N(R.CC)	=I.(R.CC)										A
	7300800		24C15	.13	.15	-22B19T							A
P	7300900	(R.CC)	=B*+.CC1	.R28									A
	7300900		06N22	\$. \$.06	.07\$.11	.12.22-32Q05C-01C05C-22B42T							A
P	7300902		+ .CC3	.R30									A
	7300902		06N\$.19	.18.20.21X									A
P	7300904		+ .GND	2406..									A
	7300904		06N\$.13	.05.04X									A
P	7321525	AUDIO/L	=-LD.AUDIO										A
	7321525		17MS	.17	.10X								A
P	7328000	NRCPU IOCON	=I.NKCPURESET-1	.IOCON									A
	7328000		06C02	.09.03.02	-09C30T								A
P	7335800	RDC31	=B*+. (FAST/L.PH6)	.OU0.									A
	7335800		04C23	\$. \$.27	.26.25X\$.24	.28.25X.23-01A04C-32K04C-22M13T							A
P	7335802		+ .IFAST/S	. (IOPH1.SW13)	-F. (NIOEN+IOB0)								A
	7335802		04C\$.37	.38.34.33X									A
P	7335804		+ .IFAST/L	. (IOPH1.SW13)	-F.NOU0. (NIOEN+IOB0)								A
	7335804		04C\$.39	.40X.35.36									A
P	7339500	RDXMFI	=B.OLC.CCXRWD	.B27/1									A
	7339500		21F33	.25.26.27.33	-03D14C-03C14C								B
P	7341000	REIP1	=B.IN1	.IP1	.IS1	.NISIN0	.NISINIP0	.NPON					R
	7341000		25R\$.31X	.21X.13X	\$.23X	.47X							D
P	7341010	REIP3	=B.IN3	.IP3	.IS3	.NISIN2	.NISINIP1	.NISINIP2					D
	7341010		26R\$.31X	.21X.13X	\$.47X	.23X							D
P	7341020	REIP5	=B.IN5	.IP5	.IS5	.NISIN4	.NISIN3	.NISINIP4					D
	7341020		27R\$.31X	.21X.13X	\$.47X	.23X							D

CODE	LINE NO.	CHG	LOGIC EQUATIONS							/	PINS							REMARKS	C/L									
			1	2	3	4	5	6	7		8	9	10	11	12	13	14			15	16	17	18	19	20			
P	7341030																											D
P	7341030																											D
P	7341040																											D
P	7341040																											D
P	7341050																											D
P	7341050																											D
P	7341060																											D
P	7341060																											D
P	7341070																											D
P	7341070																											D
P	7342000																											A
P	7342000																											A
P	7342010																											A
P	7342010																											A
P	7343000																											A
P	7343000																											A
P	7343050																											A
P	7343050																											F
P	7343100																											C
P	7343100																											C
P	7343104																											A
P	7343104																											A
P	7343110																											X
P	7343110																											X
P	7343112																											X
P	7343112																											X
P	7343120																											A
P	7343120																											A
P	7343140																											B
P	7343140																											B
P	7343145																											H
P	7343145																											H
P	7343150																											B
P	7343150																											A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	7343160			(NRESETIO.NFAST)=I.PH5.FAST/A-1												B
P	7343160			18A45,39,42,45-20A24T												B
P	7343162			I.RESETIO												B
P	7343162			11A11,12												B
P	7343170			RESET/A-1=I.NRESET.NRESETIO.NCLEAR.N(IOPH1.SW13)												B
P	7343170			06C14,21,20,29,19,14-26A28T												B
P	7343200			RESET/B=I.KSYSR/B-1.KCPURESET/B-1												A
P	7343200			18A46,41,40.												A
P	7343202			B*+.NKAS/B-1.KCPURESET/B-1.												A
P	7343202			19A47,5,5,29,30,41X												A
P	7343204			+ .KSYSR/B-1.NKAS/B-1.												A
P	7343204			19A5,28,36,35X												A
P	7343221			N(RESET/B.NIOCON.NMRC)=I.RESET/B.NIOCON.NMRC												A
P	7343221			18B23,40,38,39,23-25C35T												A
P	7343223			NRESET/C=B.N(RESET/B.NIOCON.NMRC).N(PCP6.KFILL/B)												A
P	7343223			17A02,03,09,02-31C13C-31D13C												A
P	7343225			NRESET/F=B.NFORCL.NRESET-1												A
P	7343225			25S02,03,09												A
P	7343230			RESET/KS=B.RESET.NKCPURESET/B-1.												C
P	7343230			23E47,42,43,44,45,47-03F03C-32S03C-19C39C-19D39C-19S12T												A
P	7343255			RESETIO=I.NRESIO.NSYSR												A
P	7343255			06C46,40,41,46-14M44C-14N44C												A
P	7343256			I												A
P	7343256			06C46,46-07C46C-07D46C-03E26C-32M26C-28P29T												A
P	7343257			NRESETIO=B.NRESIO.NSYSR												A
P	7343257			17A13,04,08												A
P	7343300			RESET/C=I.NRESET/C.												A
P	7343300			20C26,24,29X,26-01D04C-32N04C-24Q14C-24R14C-19S05T												A
P	7343302			I												A
P	7343302			20C26,26-23C31C-23D31C												A
P	7343350			NRESIO=I.NRCPUIOCON.KIORESET.PCP2.NKAS/B-1												A
P	7343350			06C15,30,18,31,17,15-12A04T												A
P	7343370			NRESIPH10=I.(NIOEN+IOB0).(IOPH1.SW13)-F												A
P	7343370			06C45,39,42,45-09C27T												A
P	7344100			REU=I.NRP24.NRP25												A
P	7344100			21P01,10,11,01-19N42T												A
P	7362500			RIO=-BCR*/R10I/												A
P	7362500			07F38,S												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			1	2	3	4	5	6		
P	7362530		/R10C/	=-BCD*8.RESET10						A
	7362530			05F\$.37,06F18,04,20X						F
P	7362560		/R10I/	=-BCD*GND1607						A
	7362560			07F\$.37						A
P	7394000		K/RP0B0	=.RWB0.CK-32P42						A
	7394000			09K31,13						A
P	7394002		L/RP0B0/1	=.N10FM-1.NRP24.NRP25.NRP26.NRP27.NLR28-1						A
	7394002			09K22X,21X,20X,26X,27X,25						A
P	7394004		L/RP0B0/2	=.N10FM-1.NRP24.NRP25.NRP26.NRP27.LR28-1						A
	7394004			09K22X,21X,20X,26X,27X,23						A
P	7394006		L/RP0B0/3	=.LR29-1						A
	7394006			09K18						A
P	7394008		L/RP0B0/4	=.LR30-1						A
	7394008			09K29						A
P	7394010		L/RP0B0/5	=.LR31-1						A
	7394010			09K30						A
P	7394020		K/RP0B1	=.RWB1.CK-32P38						A
	7394020			19K31,13						A
P	7394022		L/RP0B1/1	=.N10FM-1.NRP24.NRP25.NRP26.NRP27.NLR28-1						A
	7394022			19K22X,21X,20X,26X,27X,25						A
P	7394024		L/RP0B1/2	=.N10FM-1.NRP24.NRP25.NRP26.NRP27.LR28-1						A
	7394024			19K22X,21X,20X,26X,27X,23						A
P	7394026		L/RP0B1/3	=.LR29-1						A
	7394026			19K18						A
P	7394028		L/RP0B1/4	=.LR30-1						A
	7394028			19K29						A
P	7394030		L/RP0B1/5	=.LR31-1						A
	7394030			19K30						A
P	7394040		K/RP0B2	=.RWB2.CK-32P45						A
	7394040			05S31,13						A
P	7394042		L/RP0B2/1	=.N10FM/1.NRP24.NRP25.NRP26.NRP27.NLR28-0						J
	7394042			05S22X,21X,20X,26X,27X,25						A
P	7394044		L/RP0B2/2	=.N10FM/1.NRP24.NRP25.NRP26.NRP27.LR28-0						J
	7394044			05S22X,21X,20X,26X,27X,23						A

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CODE	LINE NO.	CHG	LOGIC EQUATIONS							/	PINS							/	REMARKS	C/L	
			1	2	3	4	5	6	7		8	9	10	11	12	13	14				15
P	7394202		L/RP280/1=.NIOFM-1.NRP24.NRP25.RP26.NRP27.NLR28-1								11K22X.21X.20X.26X.27X.25									A	A
P	7394204		L/RP280/2=.NIOFM-1.NRP24.NRP25.RP26.NRP27.LR28-1								11K22X.21X.20X.26X.27X.23									A	A
P	7394206		L/RP280/3=.LR29-1								11K18									A	A
P	7394208		L/RP280/4=.LR30-1								11K29									A	A
P	7394210		L/RP280/5=.LR31-1								11K30									A	A
P	7394220		K/RP281 =.RWB1.CK-32P38								17K31.13									A	A
P	7394222		L/RP281/1=.NIOFM-1.NRP24.NRP25.RP26.NRP27.NLR28-1								17K22X.21X.20X.26X.27X.25									A	A
P	7394224		L/RP281/2=.NIOFM-1.NRP24.NRP25.RP26.NRP27.LR28-1								17K22X.21X.20X.26X.27X.23									A	A
P	7394226		L/RP281/3=.LR29-1								17K18									A	A
P	7394228		L/RP281/4=.LR30-1								17K29									A	A
P	7394230		L/RP281/5=.LR31-1								17K30									A	A
P	7394240		K/RP282 =.RWB2.CK-32P45								07S31.13									A	A
P	7394242		L/RP282/1=.NIOFM/1.NRP24.NRP25.RP26.NRP27.NLR28-0								07S22X.21X.20X.26X.27X.25									J	A
P	7394244		L/RP282/2=.NIOFM/1.NRP24.NRP25.RP26.NRP27.LR28-0								07S22X.21X.20X.26X.27X.23									J	A
P	7394246		L/RP282/3=.LR29-0								07S18									A	A
P	7394248		L/RP282/4=.LR30-0								07S29									A	A
P	7394250		L/RP282/5=.LR31-0								07S30									A	A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	7394330		L/RP381/5	=.LR31-1												A
P	7394330			16K30												A
P	7394340		K/RP382	=.RWB2.CK-32P45												A
P	7394340			08S31,13												A
P	7394342		L/RP382/1	=.NIOFM/1.NRP24.NRP25.RP26.RP27.NLR28-0												J
P	7394342			08S22X,21X,20X,26X,27X,25												A
P	7394344		L/RP382/2	=.NIOFM/1.NRP24.NRP25.RP26.RP27.LR28-0												J
P	7394344			08S22X,21X,20X,26X,27X,23												A
P	7394346		L/RP382/3	=.LR29-0												A
P	7394346			08S18												A
P	7394348		L/RP382/4	=.LR30-0												A
P	7394348			08S29												A
P	7394350		L/RP382/5	=.LR31-0												A
P	7394350			08S30												A
P	7394360		K/RP383	=.RWB3.CK-32P47												A
P	7394360			12T31,13												A
P	7394362		L/RP383/1	=.NIOFM/1.NRP24.NRP25.RP26.RP27.NLR28-0												J
P	7394362			12T22X,21X,20X,26X,27X,25												A
P	7394364		L/RP383/2	=.NIOFM/1.NRP24.NRP25.RP26.RP27.LR28-0												J
P	7394364			12T22X,21X,20X,26X,27X,23												A
P	7394366		L/RP383/3	=.LR29-0												A
P	7394366			12T18												A
P	7394368		L/RP383/4	=.LR30-0												A
P	7394368			12T29												A
P	7394370		L/RP383/5	=.LR31-0												A
P	7394370			12T30												A
P	7395100		RPXS	=B*+.PSW2XS..												A
P	7395100			12F02,,\$,\$,23,24,12X,\$,17,22,07X,02-02F47C-31Q47C-17Q17T												A
P	7395102			I.NR28.PHS-E												A
P	7395102			08F13,08,04												A
P	7400100		RQBZC	=I.NENCNTR.NHRQBZC.NISNIP11.NIEC												A
P	7400100			30S15,30,18,31,17												A
P	7400150		RQBZ1	=I.NENIO.NHRQBZ1.NISNIP13.NIEI												J
P	7400150			30S14,19,20,21,29												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	7400200		RQBZO	=I.NENOVRO.NISNIP7.NIEO																					A																									
P	7400200			28N06,07,08,14																					A																									
	7400210		RQBZP	=I .NISIN1																					W																									
P	7400210			14T05,02, 20X,05-32N24C-01024C-26D22T																					V																									
	7408000		RRWXS/0	=I.NMB0CRO.NRW-2																					F																									
P	7408000			15L18,04,20X,18-16L29T																					A																									
	7408002			I.RWXZ/01																					A																									
P	7408002			15L11,12																					A																									
	7408100		RRWXS/1	=I.NMB1CRO.NRW-2																					F																									
P	7408100			15L26,24,29X,26-16L19T																					A																									
	7408102			I.RWXZ/01																					A																									
P	7408102			15L15,13																					A																									
	7408200		RRWXS/2	=I.NMB2CRO.NRW-1																					A																									
P	7408200			14S34,40,33X,34-11S20T																					A																									
	7408202		RRWXS/3	=I.NMB3CRO.NRW-1																					A																									
P	7408202			14S47,31,50X,47-11S33T																					A																									
	7410100		RS	=-BCR*/RS/																					A																									
P	7410100			10L27,\$,27-01M39C-01R39C-20R34T																					A																									
	7410110		NRS	=I.RS.																					A																									
P	7410110			07R34,40,33X,34-20R33T																					A																									
	7410120		/RS/	=-BCD*GND2210																					A																									
P	7410120			10L\$,25																					A																									
	7410200		RSA	=FF																					A																									
P	7410200			18T08,08-32S08C-03F08C-10F33T																					A																									
	7410201		NRSA	=NFF																					A																									
P	7410201			18T09																					A																									
	7410202		S/RSA	=+.(S/RSA)																					A																									
P	7410202			18T\$, \$,13																					A																									
	7410207		R/RSA	=.																					A																									
P	7410207			18T11																					A																									
	7410208		E/RSA	=+ .NRS										+.GND2918											A																									
P	7410208			18T\$, \$.03,										\$.04											A																									
	7410209		C/RSA	=.CL-32P14																					A																									
P	7410209			18T05																					A																									
	7410220		(S/RSA)	=I.N(S/RSA)																					A																									
P	7410220			25E31,30X,31-03F40C-32S40C-19S33T																					A																									

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12	
	7410230		N(S/RSA)	=	1*	+	(IOPH1.SW9)	.DASW4.NRT09							A
P	7410230						25E30X,\$,\$,41,40,50								A
	7410232						+.(IOPH1.SW10).DASW4.SW3								A
P	7410232						25E\$,45,42,43								A
	7410234						1*+. (VDATAIN+VDATAOUT)								A
P	7410234						25E29,\$,\$,22,23								A
	7410236						+.(IOPH1.SW8)-F.ORDSW4								A
P	7410236						25E\$,21,20.								A
	7410238		/RSA/	=	-BCD*B.RSA.										A
P	7410238						09F\$,03,06F47,31,50X								A
	7410240		RSACLEN	=	FF										A
P	7410240						18S33								A
	7410241		NRSACLEN	=	NFF										A
P	7410241						18S34								A
	7410242		S/RSACLEN	=	*+. (S/RSACLEN).NCLEAR-2										A
P	7410242						18S39X,39X,35,36X,								A
	7410247		R/RSACLEN	=	.										A
P	7410247						18S38								A
	7410249		C/RSACLEN	=	.CL-32P34										A
P	7410249						18S01X								A
	7410270		(S/RSACLEN)	=	1.N(S/RSACLEN)										A
P	7410270						25D31,30X,31-03F34C-32S34C-19S31T								A
	7410280		N(S/RSACLEN)	=	1*+. (IOPH1.SW12).SW3.										A
P	7410280						25D30X,\$,\$,45,43,42								A
	7410282						+.(IOPH1.SW9).DASW4.NRT09								A
P	7410282						25D\$,41,40,50								A
	7410800		RSCLN	=	FF										A
P	7410800						18S31,31-32S19C-03F19C-03D35C-03C35C-08C50T								A
	7410801		NRSCLN	=	NFF										A
P	7410801						18S26								A
	7410802		S/RSCLN	=	*+. (S/RSCLN).NCLEAR-2										A
P	7410802						18S46X,46X,43,36X,								A
	7410804		(S/RSCLN)	=	1.N(S/RSCLN).										A
P	7410804						32F34,40,33X,34-03F35C-32S35C-19S29T								A
	7410807		R/RSCLN	=	.										A
P	7410807						18S44								A

NOISE

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	7410809		C/RSCLEN = .CL-32P34																					A																										
P	7410809		18S01X																					A																										
P	7410810		NRSCLEN-1=I.RSCLEN.																					A																										
P	7410810		05C34,40,33X,34-08C47T																					A																										
P	7410815		(RSCLEN.NRSA)=B.RSCLEN.NRSA																					A																										
P	7410815		03R13,04,08																					A																										
P	7410830		N(S/RSCLEN)=I.(IOPH0.SW8).																					A																										
P	7410830		27E35,39,33X,35-26F47T																					A																										
P	7410832		I*+. (VDATAIN+VDATAOUT).+. (IOPH1.SW8)-F.ORDSW4																					A																										
P	7410832		25D01,\$,\$,11,05.										\$,07,06											A																										
P	7410834		+. (IOPH1.SW10).DASW4.SW3																					A																										
P	7410834		25D\$,08,09,10																					A																										
P	7412500		/RST/ =-BCD*B.RESET10.																					A																										
P	7412500		09F\$,02,06F45,43,50X																					A																										
P	7415000		/RTC/ =-NS																					A																										
P	7415000		31NS																					A																										
P	7415010		RTC =-BCR* /RTC/																					A																										
P	7415010		31N20,\$,20-05N07C-05M07C																					A																										
P	7417500		RT09 =I.N(S/B10).NB14.NSW0-2.NSW3																					A																										
P	7417500		26E14,21,20,29,19,14-26F35T																					A																										
P	7417512		NRT09 =I.RT09.																					A																										
P	7417512		31F34,40,33X,34-16C30C-16D30C-16B08T																					A																										
P	7421000		RUC31 =B*+. (FAST/L.PH6).NOU0. +.FAST/L.PH5-B.																					A																										
P	7421000		04C30,\$,\$,46,31,29X,\$,47,50,29X,30-01A07C-32K07C-22M42T																					A																										
P	7421002		+. (FAST/S.PH6)..																					A																										
P	7421002		04C\$,42,45,33X																					A																										
P	7421004		+.I.FAST/L.(IOPH1.SW13)-F.OU0.(NICEN+IOB0)																					A																										
P	7421004		04C\$,43,40X,44,41																					A																										
P	7421400		RUN/L-1 =B.NHALT .KRUN																					A																										
P	7421400		32B45,39,42																					A																										
P	7421425		RUN/L =-LD.RUN/L-1 .																					A																										
P	7421425		15A\$,31. 36X																					A																										
P	7430100		RW =FF																					A																										
P	7430100		08Q14																					A																										
P	7430101		NRW =NFF																					A																										
P	7430101		08Q12																					F																										

CODE	LINE NO.	CHG	LOGIC EQUATIONS												PINS	REMARKS	C/L		
			1	2	3	4	5	6	7	8	9	10	11	12					
	7430102		S/RW	=+. (S/RW/1)												+.BXP-3.GND2608			A
P	7430102			08Q11X,11X,20,												11X,10X,13.			A
	7430108		R/RW	=.															A
P	7430108			08Q15															A
	7430109		C/RW	=.CL-32P24															A
P	7430109			08Q01X															A
	7430112		NRW-2	=I.RW.NCROSSEN.															J
P	7430112			01Q33,25,27,26,33-24M20C-24N20C-16L18T															F
	7430114		NRW-1	=I.RW.NCROSSEN.															J
P	7430114			01Q12,05,07,06,12-19Q35C-19R35C-11S34T															F
	7430116		(S/RW/1)	=I.N(S/RW).N(S/RW/FP)															A
P	7430116			21P36,44,37,36-06Q17T															A

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	PINS	REMARKS	C/L
1	2345678	9	10	11 12 13 14 15 16 17 18 19 20	21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50
P	7430120		N(S/RW)	=I*+.ROXMF1.NRZ		+.FUINT.(PH1+PH3)	A
	7430120			13B23,\$,\$,06,07,		\$.12,17X,	A
	7430122			+.FUMMC.PH7-B		+. (FUOW.NR31).PH7-B	A
P	7430122			13B\$,29X,15X,		\$.14,15X	A
	7430124			+.PH1-B.GND1213		+. (FAST/L.PH6).NMCZ	A
P	7430124			13B\$,19X,18,		\$.20,21	A
	7430126			I*+.FALOAD/A.(PH1+PH3)		+.MIT.MCZ	A
P	7430126			13B25,\$,\$,33,17X,		\$.46,50	A
	7430128			+. (FASEL.PH3).OLA		+. (FUMMC.PH6).(BC=1)	A
P	7430128			13B\$,45,44,		\$.43,42	A
	7430130			+.FUBAL.(NANLZ.PRE3)			A
P	7430130			13B\$,47,26X			A
	7430132			I*+.IFAMDS.PRE10		+.10PH1.SW10	A
P	7430132			14B22,\$,\$,09,08,		\$.10,11	A
	7430134			+.IOBR9.NSW0-1		+. (FUAI0.PH5).NSW0-1	A
P	7430134			14B\$,04,03X,		\$.01,03X	A
	7430136			+.GND1214.SW9		+. (FAI0.PH7).	C
P	7430136			14B\$,13,30X,		\$.05,19X	A
	7430138			+.FAMDS.PH9-B			A
P	7430138			14B\$,02,26X			A
	7430140			I*+.FUS.PH7-B.(D23.NR31)		+.FUS.SFT.MCZ	A
P	7430140			12B23,\$,\$,25X,27,26,		\$.25X,24,28	A
	7430142			+.PH7-B.NCC4.ANLZ.NOL1		+. (FAI0.PH5).NSW0-1.R31-1.	A
P	7430142			12B\$,37,34,38,33X,		\$.36,39,35,40X	A
	7430144			I*+. (FARWO.PH7).OLC.NRZ		+. (FAI0/1.PH5).SW9.NRZ	A
P	7430144			12B30,\$,\$,46,31,29X,		\$.47,50,29X	A
	7430146			+.FAS11.(PRE/34+PH2).NOL1			A
P	7430146			12B\$,42,45,33X,			A
	7430148			+. (FUSF.D23).PH8-B..			A
P	7430148			12B\$,41,43,44,40X			A
	7430150			B.N(S/RW/2).N(S/RW/3).N(S/RW/4)			A
P	7430150			12C33,26,25,27			A
	7430152			I.FUBIR.(NANLZ.PRE3)			A
P	7430152			13C45,43,50X			A
	7430154			I.FUBOR.(NANLZ.PRE3)			A
P	7430154			13C44,42,50X			A
	7430156			I.FUXW.(NANLZ.PRE3)			A
P	7430156			13C46,30,50X			A
	7430158			I.(FAI0.PH5).SW12.NRZ			A
P	7430158			27B12,06,05,07			A
	7430160			I			A
P	7430160			13B23,23-01C01C-32Q01C-22P47T			A
	7430200			N(S/RW/2)=I*+. (IOPH1.SW9)-F.NIFAM.NRT09			A
P	7430200			15B01,\$,\$,08,10,09,01-09C25T			A
	7430202			+. (DOR.IOR).SIOSP/1		+. (IOPH0.SW8).NIOPH10	A
P	7430202			15B\$,06,07,		\$.11,05	A
	7430204			I.IOPH1.SW10			A
P	7430204			27B35,38,43			A
	7430206			I.(FUAI0.PH5).SW9			A
P	7430206			27B02,03,09			A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L						
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
P	7430300		N(S/RW/3)=1*+. (IOPH0.SW10).NIOPH10										A						
P	7430300		15B47,\$,\$,34,44,47-09C24T										A						
P	7430302		+. (FA10.PH9).SW0.VALST +. (IOPH1.SW11).NSW3.NIFAM										A						
P	7430302		15B\$,37,38,39,										A						
P	7430304		I. (IOPH3.SW12)										A						
P	7430304		13C11,12										A						
P	7430306		I. (IOPH1.SW12)										A						
P	7430306		13C10,09										A						
P	7430400		N(S/RW/4)=1*+. (FA10.PH5.SW13).VALST										A						
P	7430400		12B14,\$,\$,17,15,14-09C05T										A						
P	7430402		+. (FA10.PH9).SW0.VALST.										A						
P	7430402		12B\$,02,03,01,04X										A						
P	7430404		I. (IOPH3.SW12)										A						
P	7430404		13C15,13										A						
P	7430406		I. (IOPH3.SW11).										A						
P	7430406		13C17,01,20X										A						
P	7430408		N(S/RW/FP)=-NS										A						
P	7430408		32L44,44-14M42C-14N42C-31L37T										A						
P	7430510		RWB0 =I.NMB0CRO.NRW-2										F						
P	7430510		15L19,03,20X,19-09K42T										A						
P	7430515		RWB0-1 =I.NMB0CRO.NRW-2										F						
P	7430515		15L05,02,20X										A						
P	7430520		/RWB0/ =-BCD*RWB0-1										A						
P	7430520		13K\$,15										A						
P	7430530		RWB1 =I.NMB1CRO.NRW-2										F						
P	7430530		15L27,22,29X,27-24L20T										A						
P	7430535		RWB1-1 =I.NMB1CRO.NRW-2										F						
P	7430535		15L25,23,29X										A						
P	7430540		/RWB1/ =-BCD*RWB1-1										A						
P	7430540		15K\$,15										A						
P	7430550		RWB2 =I.NMB2CRO.NRW-1										A						
P	7430550		14S36,37,33X,36-06R25T										B						
P	7430555		RWB2-1 =I.NMB2CRO.NRW-1										A						
P	7430555		14S41,38,33X										A						
P	7430560		/RWB2/ =-BCD*RWB2-1										A						
P	7430560		09S\$,15										A						
P	7430570		RWB3 =I.NMB3CRO.NRW-1										A						
P	7430570		14S44,42,50X,44-06R20T										B						

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12	
P	7561002		S/SC1	=**.	(S/AIB).	GND2917					+(S/SC1/1)				A
	7561002					17T11X,11X,10X,13,					11X,20				J
P	7561004					+KSC-1.KC.									A
P	7561004					17S13,11,12,15X									A
P	7561007		R/SC1	=.	(R/SC1)										A
	7561007					17T15									J
P	7561008		(R/SC1)	=B**.	NKC/B.SCL.						+NKSC..				A
P	7561008					15T47,\$,\$,36,28,35X,					\$,29,30,41X				A
P	7561009		C/SC1	=.	NIMCS										A
P	7561009					17T01X									A
P	7561015		(S/SC1/1)	=B.	FORCLG.NKSC.NSC1										A
P	7561015					24S06,08,07,14,06-16T47T									A
P	7561200		SC2	=FF											A
P	7561200					17T30									A
P	7561201		NSC2	=NFF											A
P	7561201					17T29									A
P	7561202		S/SC2	=**.	SC1.						+GND2917				A
P	7561202					17T41X,41X,42,36X,					41X,37X				A
P	7561207		R/SC2	=.	NSC1										A
P	7561207					17T40									A
P	7561209		C/SC2	=.	NIMCS										A
P	7561209					17T01X									A
P	7561250		(SC2.NCEINT)	=B.	SC2.NCEINT										A
P	7561250					11R46,40,41									A
P	7563500		NSCINH	=I**.	NPCP2.RQBZP						+RESET/KS.				V
P	7563500					20E22,\$,\$,08,09,					\$,11,10,22-26F33T				A
P	7563502					+PCP2/1,IOACT					+N(IOPH1.SW9).IOACT				A
P	7563502					20E\$,04,03X,					\$,01,03X				A
P	7563504					+PCFACT.					+PH10-E.				A
P	7563504					20E\$,13,30X,					\$,05,19X				A
P	7563506					+IOWD.									A
P	7563506					20E\$,02,26X									A
P	7563508					1.FA10.NPH9.NPCP2									A
P	7563508					25D15,25,26,18									A
P	7564000		SCL	=FB**.	SCL.SC2.						+(SC2.NCEINT).CL-32P14.				A
P	7564000					22S04,\$,\$,05,06,07X,					\$,14,13,12X,04-27S42T				A

CODE	LINE NO.	CHG	LOGIC				EQUATIONS				PINS				REMARKS	C/L				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
P	7890155		(S/SW0/NZ)=B*+. (FAFL.N02).PH8-B.				+.K00HOLD..									A				
P	7890155		12F46, \$, \$, 31, 27, 41X, \$, 26, 25, 35X, 46-				03F25C-32S25C-19S14T									A				
P	7890190		SW1				=FF									K				
P	7890190						29F27, 27-11C22C-11D22C-29829T									K				
P	7890195						I.FASTABORT .ENDE .									K				
P	7890195						20D33, 25, 26, 27									K				
P	7890201		NSW1				=NFF									A				
P	7890201						29F28, 28-03E34C-32M34C-01M28C-01R28C-19S11T									A				
P	7890202		S/SW1				=**.(S/SW1)..				+.GND1629					A				
P	7890202						29F50X, 50X, 47, 36X,				50X, 37X,					A				
P	7890207		R/SW1				=.RESET/A									A				
P	7890207						29F45									A				
P	7890209		C/SW1				=.CL-01E14									A				
P	7890209						29F01X									A				
P	7890225		SW1/LP				=I.NSW9.NSW11.NSW13.NSW15									A				
P	7890225						29C15, 30, 18, 31, 17, 15-12A19T									A				
P	7890230		(S/SW1)				=B*+.DOR.(1OPH0.SW12).				+. (FAST.PH1/C).(A16-K16).					A				
P	7890230						28D45, \$, \$, 39, 40, 41X,				\$, 38, 37, 35X					A				
P	7890250		(SW1+SW4)				=I.NSW1.NSW4									A				
P	7890250						30D35, 38, 43, 35-22E36T									A				
P	7890300		SW2				=FF									A				
P	7890300						29F31, 31-27C08C-27D08C-09C10T									A				
P	7890301		NSW2				=NFF									A				
P	7890301						29F26, 26-16C27C-16D27C-29839T									A				
P	7890302		S/SW2				=**.(S/SW2)..				+.GND1629					A				
P	7890302						29F46X, 46X, 43, 36X,				46X, 37X					A				
P	7890307		R/SW2				=(R/SW2)									A				
P	7890307						29F44									A				
P	7890309		C/SW2				=.CL-01E14									A				
P	7890309						29F01X									A				
P	7890315		SW2/LP				=I.NSW10.NSW11.NSW14.NSW15									A				
P	7890315						29C14, 21, 20, 29, 19, 14-12A07T									A				
P	7890320		(R/SW2)				=B*+. (FA10.PH4).SW2.				+.RESET/A .					F				
P	7890320						28D47, \$, \$, 30, 29, 41X,				\$, 28, 36, 35X					A				

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	7890509	C/SW4	=.CL-01E14																					A																										
P	7890509		29F01X																					A																										
P	7890515	SW4/LP	=I.NSW12.NSW13.NSW14.NSW15																					A																										
P	7890515		29C34,24,23,22,28,34-12A01T																					A																										
P	7890530	(S/SW4)	=B*+. (FAST.PH1/A). (S1631Z.N(A16-K16))																					A																										
P	7890530		23E24, \$. \$, 30, 35, 24-26D30T																					A																										
P	7890532		+. (IOPH1.SW8)-F.IODC.DASW4																					A																										
P	7890532		23E\$, 34, 31, 33																					A																										
P	7890600	SW5	=FF																					A																										
P	7890600		29F14, 14-01A42C-11C28C-11D28C-32K42C-11M28T																					A																										
P	7890601	NSW5	=NFF																					A																										
P	7890601		29F12, 12-16C26C-16D26-16B45T																					A																										
P	7890602	S/SW5	=*+. (S/SW5).										+. (ANLZ.TA)											A																										
P	7890602		29F11X, 11X, 13, 10X,										11X, 20											A																										
P	7890607	R/SW5	=. (R/SW5)																					A																										
P	7890607		29F15																					A																										
P	7890609	C/SW5	=.CL-01E14																					A																										
P	7890609		29F01X																					A																										
P	7890612	(R/SW5)	=I.NRESET/A.N(R/SW5/1)																					H																										
P	7890612		15E35, 38, 43, 35-26D40T																					A																										
P	7890615	N(R/SW5/1)	=I. (IOPH3.SW14). NIOTRIN																					A																										
P	7890615		15E36, 44, 37, 36-26D39T																					A																										
P	7890630	(S/SW5)	=I.N(S/SW5).																					A																										
P	7890630		27E19, 03, 20X, 19-30E17T																					A																										
P	7890640	N(S/SW5)	=I*+. (FAST.PH1/A). D0-I.										+. (FA10.PH1). P21-I											A																										
P	7890640		25E01, \$. \$, 09, 08, 10,										\$. 11, 05, 01-30E09T											A																										
P	7890642		+. (IOPH3.SW14). (VORDER. IOTRIN)																					A																										
P	7890642		25E\$, 07, 06																					A																										
P	7890700	SW6	=FF																					A																										
P	7890700		29F02, 02-02A37C-11C34C-11D34C-31K37C-11M34T																					A																										
P	7890701	NSW6	=NFF																					A																										
P	7890701		29F21, 21-16C31C-16D31C-09C18T																					A																										
P	7890702	S/SW6	=*+. (S/SW6).										+. TODATA											A																										
P	7890702		29F18X, 18X, 25, 10X,										18X, 17											A																										
P	7890707	R/SW6	=.RESET/A																					A																										
P	7890707		29F23																					A																										

CODE	LINE NO.	CHG	LOGIC EQUATIONS		PINS		REMARKS	C/L
			10 123456789	20 23456789	30 23456789	40 23456789			50 23456789	60 23456789	70
P	7890709		C/SW6	= .CL-01E14				A
P	7890709			29F01X				A
P	7890730		(S/SW6)	= I.N(S/SW6)				A
P	7890730			25E46,47X,46-26F22T				A
P	7890740		N(S/SW6)	= I.(FAIO.PH1).P22-1				A
P	7890740			26E45,39,42				A
P	7890742			I.(FAST.PH1/A).D16-1				A
P	7890742			26E46,41,40				A
P	7890744			I*+. (IOPH1.SW8)-F.DASW4			+.(IOPH0.SW15).(SW1+SW4).	A
P	7890744			25E47X,\$,\$,34,44,			\$.37,38,39	A
P	7890746			+.(IOPH1.SW9).RT09.DASW4				A
P	7890746			25E\$,36,35,33				A
P	7890800		SW7	=FF				A
P	7890800			29F04,04-12D01T				A
P	7890801		NSW7	=NFF				A
P	7890801			29F05,05-19C40C-19D40C-25C04T				A
P	7890802		S/SW7	=*+. (S/SW7).			+ .TODATA	A
P	7890802			29F03X,03X,24,10X,			03X,17X	A
P	7890807		R/SW7	=.(R/SW7)				A
P	7890807			29F22				A
P	7890809		C/SW7	= .CL-01E14				A
P	7890809			29F01X				A
P	7890820		(R/SW7)	= I.N(R/SW7).				A
P	7890820			27E05,02,20X,05-22E30T				A
P	7890825		N(R/SW7)	= I*+. (FAIO.PH5.SW8).SW7			+.(FAST.PH1/C).SW7.	A
P	7890825			25E14,\$,\$,04,12,			\$.03,02,13,14-22E03T	A
P	7890826			+.(IOPH1.SW9).DASW4.RT09				A
P	7890826			25E\$,17,28,27				A
P	7890827			I.RESET/A.				A
P	7890827			27E17,01,20X				A
P	7890828			I.(IOPH0.SW15).				A
P	7890828			32F25,23,29X				A
P	7890830		(S/SW7)	= I.N(S/SW7)				A
P	7890830			29E46,47X,46-22E29T				A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L
			1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
P	7890840		N(S/SW7) = I*+. (FA10.PH5.SW8).NSW7.FSL																					A
	7890840		29E47X,\$,\$.35,33,36																					A
P	7890842		+. (FA10.PH5.SW8).NSW7.AVO																					A
	7890842		29E\$,37,38,39																					A
P	7890844		+. (IOPH1.SW8)-F.DASW4-1																					A
	7890844		29E\$,34,44																					A
P	7890846		I*+.TODATA.										+.FULAWORDW.ND0-1.PRE/34-A											A
	7890846		29E14,\$,\$.04,12,										\$\$.03,02,13											A
P	7890848		+.FAST/A-2.PH8-B.NSW7																					B
	7890848		29E\$,17,28,27																					A
P	7890850		I.(FAST.PRE3).NO4																					A
	7890850		09D45,39,42																					A
P	7890852		I.FALOAD/A-1.ND16-1.OU5.PRE/34-A																					A
	7890852		15E15,30,18,31,17																					A
P	7890900		SW8 =FF																					A
	7890900		30F29,29-31C37C-31D37C-09C19T																					A
P	7890901		NSW8 =NFF																					A
	7890901		30F31																					A
P	7890902		S/SW8 =*+.NRESET/A-1.BRSW8										+.STEP815.GND1630											A
	7890902		30F\$,\$.40X,26,										\$.36X,28X											A
P	7890904		+.GND1630.										+.SW8.GND1630											A
	7890904		30F\$,23,22,										\$.25X,38X											A
P	7890906		+.GND1630.																					A
	7890906		30F\$,34X,24,																					A
P	7890907		R/SW8 =.																					C
	7890907		30F42X																					A
P	7890909		C/SW8 =.CL-01E14																					A
	7890909		30F01X																					A
P	7890970		(SW8.NSW7)=B.SW8.NSW7																					A
	7890970		27F36,44,37																					A
P	7891000		SW9 =FF																					A
	7891000		30F33,33-11C44C-11D44C-25C45T																					A
P	7891001		NSW9 =NFF																					A
	7891001		30F35,35-27C31C-27D31C-25C46T																					A
P	7891002		S/SW9 =*+.NRESET/A-1.GND1630										+.SW9-F.GND1630											A
	7891002		30F\$,\$.40X,30,										\$.10X,38X											A
P	7891004		+.SW8.STEP815										+.GND1630.GND1630											A
	7891004		30F\$,25X,36X,										\$.34X,28X											A
P	7891007		R/SW9 =.																					C
	7891007		30F42X																					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	7891009	C/SW9	=.CL-01E14																					A																										
P	7891009		30F01X																					A																										
P	7891070	SW9-F	=I.NSW9.																					A																										
P	7891070		28F17,01,20X,17-26D31T																					A																										
P	7891100	SW10	=FF																					A																										
P	7891100		30F37,37-31C30C-31D30C-16844T																					A																										
P	7891101	NSW10	=NFF																					A																										
P	7891101		30F39,39-27C21C-27D21C-25C12T																					A																										
P	7891102	S/SW10	=+.NRESET/A-1.BRSW10										+.SW10.GND1630											A																										
P	7891102		30F\$,40X,44,										\$,45X,38X											A																										
P	7891104		+.SW9-F.STEP815										+.SW8.GND1630											A																										
P	7891104		30F\$,10X,36X,										\$,25X,34X											A																										
P	7891107	R/SW10	=.																					C																										
P	7891107		30F42X																					A																										
P	7891109	C/SW10	=.CL-01E14																					A																										
P	7891109		30F01X																					A																										
P	7891200	SW11	=FF																					A																										
P	7891200		30F41,41-15C30C-15D30C-25C50T																					A																										
P	7891201	NSW11	=NFF																					A																										
P	7891201		30F43,43-27C19C-27D19C-25C11T																					A																										
P	7891202	S/SW11	=+.NRESET/A-1.BRSW11										+.GND1630.											A																										
P	7891202		30F\$,40X,46X,										\$,38X,47											A																										
P	7891204		+.SW10.STEP815										+.SW9-F.GND1630											A																										
P	7891204		30F\$,45X,36X,										\$,10X,34X											A																										
P	7891207	R/SW11	=.																					C																										
P	7891207		30F42X																					A																										
P	7891209	C/SW11	=.CL-01E14																					A																										
P	7891209		30F01X																					A																										
P	7891300	SW12	=FF																					A																										
P	7891300		30F21X,21-03C09C-03D09C-25C10T																					A																										
P	7891301	NSW12	=NFF																					A																										
P	7891301		30F27,27-27C23C-27D23C-25C09T																					A																										
P	7891302	S/SW12	=+.GND1630.GND1630										+.NRESET/A-1.BRSW12											A																										
P	7891302		30F\$,12X,28X,										\$,11X,20											A																										
P	7891304		+.SW13.GND1630										+.STEP815.SW11											A																										
P	7891304		30F\$,17X,14X,										\$,13X,18											A																										

CODE	LINE NO.	CHG	LOGIC		EQUATIONS		PINS		REMARKS	C/L
			1	2	3	4	5	6			7	8
	1	2	3	4	5	6	7	8	9	10
P	7891307		R/SW12	=.						D
	7891307			30F09X						A
P	7891309		C/SW12	=.CL-01E14						A
	7891309			30F01X						A
P	7891400		SW13	=FF						A
	7891400			30F17X, 17-27C22C-27D22C-09C43T						A
P	7891401		NSW13	=NFF						A
	7891401			30F19, 19-27C33C-27D33C-25C07T						A
P	7891402		S/SW13	=++.SW8.GND1630					+.NRESET/A-1.BRSW13	A
	7891402			30F\$, \$.25X, 12X,					\$.11X, 02	A
P	7891404			+.SW14.GND1630					+.SW12.STEP815	A
	7891404			30F\$, .07X, 14X,					\$.21X, 13X	A
P	7891407		R/SW13	=.						C
	7891407			30F09X						A
P	7891409		C/SW13	=.CL-01E14						A
	7891409			30F01X						A
P	7891500		SW14	=FF						A
	7891500			30F07X, 07-27C25C-27D25C-22B34T						A
P	7891501		NSW14	=NFF						A
	7891501			30F15, 15-27C27C-27D27C-22B36T						A
P	7891502		S/SW14	=++.SW9-F.GND1630					+.NRESET/A-1.GND1630	A
	7891502			30F\$, \$.10X, 12X,					\$.11X, 04	A
P	7891504			+.SW15.GND1630					+.SW13.STEP815	A
	7891504			30F\$, .03X, 14X,					\$.17X, 13X	A
P	7891507		R/SW14	=.						C
	7891507			30F09X						A
P	7891509		C/SW14	=.CL-01E14						A
	7891509			30F01X						A
P	7891600		SW15	=FF						A
	7891600			30F03X, 03-10F37T						A
P	7891601		NSW15	=NFF						A
	7891601			30F05, 05-27C26C-27D26C-29B37T						A
P	7891602		S/SW15	=++.SW10.GND1630					+.NRESET/A-1.BRSW15	A
	7891602			30F\$, \$.45X, 12X,					\$.11X, 08	A
P	7891604			+.GND1630.					+.SW14.STEP815	A
	7891604			30F\$, .14X, 06,					\$.07X, 13X	A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L				
1	2345678	9	10	1	2	3	4	5	6	7	8	9	10
P	7900030			N(S/SXA) = I++ . (IOPH3.SW11) .				+. (IOPH3.SW14) .					A
				05E25, \$, \$, 47, 26X,				\$, 42, 43, 25-16E11T					A
P	7900031			+. (IOPH0.SW15) . VORDER				+. (FAIO.PH5) . SW12					C
P	7900031			05E\$, 46, 50,				\$, 33, 17X					A
				+. (FAIO.PH2) .									A
P	7900032			05E\$, 44, 45									A
P	7900035			I++ . SW9 . IOPH0				+. (IOPH3.SW12) . SW12					A
P	7900035			05E23, \$, \$, 18, 19X,				\$, 12, 17X					A
				+. (IOPH0.SW10) . IOPH10				+. (IOPH3.SW10) . NB1					A
P	7900036			05E\$, 20, 21,				\$, 06, 07					A
				+. FAMDST . PRE10				+. FAMOST . PRE10/1					A
P	7900037			05E\$, 15X, 29X,				\$, 15X, 14					A
				I++ . SW11 . IOPH0				+. (IOPH0.SW8) . IOPH10					A
P	7900040			05E24, \$, \$, 37, 19X,				\$, 34, 35					A
				+. PCP3 .				+. PRE10 . GND1505					A
P	7900041			05E\$, 39, 31,				\$, 29X, 38					A
				+. (FAIO/1.PH6) . GND1505				+. (IOPH1.SW11) . GND1505					A
P	7900042			05E\$, 30X, 36,				\$, 41X, 27					A
				+. (IOPH1.SW11) . IFAM				+. (IOPH1.SW9) . IFAM					A
P	7900043			05E\$, 41X, 40X,				\$, 28, 40X					A
				I++ . FAPSD-1 . PH1-D + . FUMMC-1 . (PH1+PH3)									A
P	7900045			14D25, \$, \$, 43, 42, \$, 47, 26X									A
				+. FASTORE . PRE/34-A				+. PH7-D . ANLZ					A
P	7900046			14D\$, 45, 44,				\$, 50, 46					A
				+. FASEL-1 . PH1-D									A
P	7900047			14D\$, 33, 17X									A
				I++ . (ANLZ . PH6) .				+. (FAMULNH . PH7) . NB0					A
P	7900050			14D23, \$, \$, 18, 19X,				\$, 20, 21					A
				+. FAMT . (PRE/34+PH2)				+. FAMUL . (PRE/34+PH2)					A
P	7900051			14D\$, 14, 15X,				\$, 29X, 15X					A
				+. FASTORE/1 . PH1-D				+. NFL1 . (S/SX/FL1)					A
P	7900052			14D\$, 12, 17X,				\$, 07, 06					A
				I++ . (S/IXAL) .				+. (FARWD . PH7) . NBPH9					A
P	7900055			14D24, \$, \$, 37, 19X,				\$, 36, 30X					A
				+. (FUMMC . PH6) .				+. FAMUL . GND1414					A
P	7900056			14D\$, 34, 35,				\$, 29X, 38					A
				+. (FAST/S . PH6) . NMCZ				+. FUMMC-1 . PRE3-D					A
P	7900057			14D\$, 39, 31,				\$, 40X, 41X					C
				+. FUS . PRE3-D				+. FUMMC-1 . BRPH2					C
P	7900058			14D\$, 27, 41X,				\$, 40X, 28					C
				I . (FAIO . PH9) . SW0 . VALST									A
P	7900060			09D12, 06, 05, 07									A
				I++ . (FAST/L . PH6) . MCZ . OUD .									A
P	7900064			13D23, \$, \$, 36, 39, 35, 40X									A
				+. FARWD . PH6-E . NDIOEXIT . NRZ									A
P	7900065			13D\$, 38, 33X, 37, 34									A
				+. FARWD . (PH1+PH3) . NRZ				+. FARWD . (PRE/34+PH2) . NRZ					A
P	7900066			13D\$, 27, 26, 25X,				\$, 24, 28, 25X					A
				I++ . FASH . (S/PH6/IO) -1				+. SFT .					A
P	7900068			13D22, \$, \$, 11, 12,				\$, 07, 06					A

EQUATION CONTINUED ON NEXT PAGE



XEROX DATA SYSTEMS

SIGMA 5 CPU

444
133263-001. AC
10/27/71

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
	EQUATION CONTINUED FROM PREVIOUS PAGE															
P	7900070															A
																A
P	7900070															A
																A
P	7900071															A
																A
P	7900071															A
																A
P	7900072															A
																A
P	7900072															A
																A
P	7900073															A
																A
P	7900073															A
																A
P	7900076															A
																A
P	7900076															A
																A
P	7900077															C
																A
P	7900077															A
																A
P	7900078															A
																A
P	7900078															A
																A
P	7900080															A
																A
P	7900080															A
																A
P	7900082															A
																A
P	7900100															A
																A
P	7900100															A
																A
P	7900105															A
																A
P	7900105															A
																A
P	7900110															A
																A
P	7900110															A
																A
P	7900115															A
																A
P	7900115															A
																A
P	7900120															A
																B
P	7900120															B
																A
P	7900125															B
																A
P	7900125															B
																A
P	7900130															A
																A
P	7900130															A
																A
P	7900135															A
																A
P	7900135															A
																A
P	7900150															A
																A
P	7900150															A
																A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	7900160		NSXADD/1 = -CON										,NGXAD =FF										LINE NO.4900500	U																										
P	7900160		07P04																					U																										
	7900162		-CON										,NGXAND =FF										LINE NO.4900600	U																										
P	7900162		08P02																					U																										
	7900164		-CON										,NGXNAD =FF										LINE NO.4904100	U																										
P	7900164		07P02																					U																										
	7900166		-CON										,NK31 =FF										LINE NO.1312750	U																										
P	7900166		08P14																					U																										
	7900200		N(S/SXAEORD)=I.PRE3-E.OU4.OL8																					A																										
P	7900200		17E12,07,06,05,12-06E41T																					A																										
	7900280		N(S/SXAM1)=I.FUPLM.PH1/C.NSW7																					A																										
P	7900280		15E12,06,05,07,12-06E39T																					A																										
	7900282		I.FUBDR.PRE3-E																					A																										
P	7900282		15E13,04,08																					A																										
	7900284		I.(FAPSD.PRE3).TRAP																					A																										
P	7900284		30D46,40,41																					A																										
	7900290		N(S/SXAMD)=I*+.(FASEL.PH3).OL5										+.GND1518.											A																										
P	7900290		18E20,\$,\$,21,22,										\$,01,02,20-12D25T											A																										
	7900292		+.FASUB.(PRE/34+PH2)																					A																										
P	7900292		18E\$,23,24																					A																										
	7900300		N(S/SXAMD/1)=I.CO-1.NK00.DIT/1.																					A																										
P	7900300		20N34,23,22,28,24,34-17Q23T																					A																										
	7900302		I.DIT/1.NC0.K00																					A																										
P	7900302		20N33,26,25,27																					A																										
	7900304		I.MIT/1.B30.(B31-BC31)																					A																										
P	7900304		20N12,06,05,07																					A																										
	7900350		N(S/SXAORD)=I*+.(FASEL.PH3).NOL5.										+.(FAST.PH1/E).											A																										
P	7900350		13E30,\$,\$,33,34,39X,										\$,46,44X,30-12D23T											A																										
	7900352		+.PCP4.																					A																										
P	7900352		13E\$,26,28X																					A																										
	7900354		I.OU4.OL9.PRE3-E																					A																										
P	7900354		15E33,26,25,27																					A																										
	7900380		N(S/SXAP1)=I*+.(IOPH3.SW9).										+FUBIR.PRE3-E											A																										
P	7900380		14E29,\$,\$,22,23,										\$,21,20,29-10F15T											A																										
	7900382		+.(IOPH3.SW10).B1-1																					A																										
P	7900382		14E\$,24,19																					A																										

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS												C/L																													
			1	2	3	4	5	6	7	8	9	10	11	12		20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	60	61	62	63	64	65	66
P	7900390		N(S/SXAPD)=I**FAST/C.(PRE3+PH1/F+PH8)																														A											
P	7900390		07E23,\$,\$,18,19X,23-10F17T																														A											
P	7900391		+.FAADD.(PRE/34+PH2)																														A											
P	7900391		+. (IA.PRE2).IX																														A											
P	7900392		07E\$,20,21,																														A											
P	7900392		+.FUPLM.PH1/B																														A											
P	7900392		07E\$,15X,29X,																														A											
P	7900394		+.FUPLM.PH2-E																														A											
P	7900394		07E\$,15X,14																														A											
P	7900396		I.FAW.PRE1-A.INDX.NC0																														A											
P	7900396		15E14,21,20,29,19																														A											
P	7900397		I.(IXAL.PRE2).																														A											
P	7900397		27E36,37,33X																														A											
P	7900398		I.(FAMT.PH1).NR28.NRZ																														A											
P	7900398		27E06,07,08,14																														A											
P	7900400		N(S/SXAPD/1)=I.N(S/SXA/1).MIT/1.N(S/SXAM0/1)																														A											
P	7900400		10P23,40,38,39,23-09N41T																														A											
P	7900402		I.CO-1.K00.DIT/1																														A											
P	7900402		19P33,26,25,27																														A											
P	7900404		I.DIT/1.NC0.NK00																														A											
P	7900404		19P12,06,05,07																														A											
P	7900450		NSXB =I.PXSXB.NDIS-5																														A											
P	7900450		09D35,38,43,35-01D50C-32N50C-24N12C-24M12C-22M17T																														A											
P	7900452		I**FADIV.PH9-D.NDIS-5																														A											
P	7900452		08E47,\$,\$,37,38,39																														A											
P	7900454		+.DIS.KSXB																														A											
P	7900454		+.NDIS-5.SXBF.																														A											
P	7900454		08E\$,44,34,																														A											
P	7900460		N(S/SXB)=I.FAFL-1.PH8-B																														A											
P	7900460		27E47,50X,31,47-22E17T																														A											
P	7900461		I**NFAM.PRE/12.																														A											
P	7900461		+. (IOPH1.SW8).																														A											
P	7900463		13E41,\$,\$,38,37,39X,																														A											
P	7900463		+. (IOPH1.SW10).																														A											
P	7900463		13E\$,27,28X																														A											
P	7900465		I**FACOMP/L.PH1-D																														A											
P	7900465		+. (FADW/1.PH1).																														A											
P	7900466		17D23,\$,\$,06,07,																														A											
P	7900466		+.FAFL-1.PH7-D																														A											
P	7900466		17D\$,29X,15X,																														A											
P	7900467		+.PCP5.NBRPCP5																														A											
P	7900467		+.IOENIN.IFAST																														A											
P	7900470		17D\$,18,19X,																														A											
P	7900470		+.GND1417.PRE3-G																														A											
P	7900470		I**FUBAL.PRE3-G																														A											
P	7900471		17D24,\$,\$,28,40X,																														A											
P	7900471		+.GND1417.GND1417																														A											
P	7900471		+.FAMULNH.PH9-D																														A											
P	7900472		17D\$,41X,27,																														A											
P	7900472		+.FAFL-1.PH4-D																														A											
P	7900472		+.NIOPH10.(IOPH0.SW8)																														A											
P	7900473		17D\$,29X,39,																														A											
P	7900473		+.FALOAD/A-1.(PRE/34+PH2)+.GND1417.NBRPCP5																														A											
P	7900473		17D\$,34,35,																														A											
P	7900475		I.(IOPH1.SW9).NIFAM.NRT09																														A											
P	7900475		17E33,26,25,27																														A											

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60		
P	7900500		SXB-0	=I.NSXB						A
P	7900500			15M15,13,15-24L28T						A
P	7900510		SXB-1	=I.NSXB						A
P	7900510			15M11,12,11-30M45T						A
P	7900520		SXB-2	=I.NSXB.						A
P	7900520			28N45,43,50X,45-13P37T						A
P	7900530		SXB-3	=I.NSXB.						A
P	7900530			28N44,42,50X,44-06Q46T						A
P	7900600		NSXBF	=FF						A
P	7900600			24F27						A
P	7900601		SXBF	=NFF						A
P	7900601			24F28						A
P	7900602		S/NSXBF	=*.N(S/SXB).				+GND1624		A
P	7900602			24F50X,50X,47,36X,				50X,37X		A
P	7900607		R/NSXBF	=.						A
P	7900607			24F45						A
P	7900609		C/NSXBF	=.CL-01E18						A
P	7900609			24F01X						A
P	7901000		NSXC	=I.NDIS-4.SXCF						A
P	7901000			15E46,41,40,46-01D23C-32N23C-29N12C-29M12C-28K06T						A
P	7901002			I.DIS.KSXC						A
P	7901002			15E45,42,39						A
P	7901030		N(S/SXC)	=I*+. (IOPH0.SW14). (NVDATAIN.DATIN)						A
P	7901030			17D22,\$,\$,08,09,22-22E15T						A
P	7901032			+. (FAST/S.PH6).0U0				+FUMMC-1.PH2-D		A
P	7901032			17D\$,10,11,				\$.04,03X		A
P	7901034			+.PH2-D.GND1417				+. (IOPH3.SW13).		A
P	7901034			17D\$,03X,01,				\$.05,19X		A
P	7901036			+. (IOPH2.SW13).				+. (IOPH0.SW10).NIOPH10		A
P	7901036			17D\$,02,26X,				\$.13,30X		A
P	7901100		SXC-0	=I.NSXC.						A
P	7901100			30L05,02,20X,05-24L27T						A
P	7901110		SXC-1	=I.NSXC.						A
P	7901110			30L17,01,20X,17-22M41T						A
P	7901120		SXC-2	=I.NSXC.						A
P	7901120			28N46,30,50X,46-13P36T						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	7901600			N(S/SXDM1)=1*+.(VDATEIN+VDATEOUT).												A
P	7901600			07E24, \$. \$, 36, 30X, 24-10F20T												A
P	7901602			+.(FATO.PH5.SW13).VALST												A
P	7901602			07E\$, 35, 34												A
P	7901604			+.(10PH2.SW14).BCZ												A
P	7901604			07E\$, 40X, 41X.												A
P	7901606			+.(10PH0.SW12).(NDOR.NIOR)												A
P	7901606			07E\$, 39, 31												A
P	7901608			+.(FUPSW.PH1/B												A
P	7901608			07E\$, 38, 29X.												A
P	7901610			+.(GND1611).BCZ												A
P	7901610			07E\$, 28, 41X												A
P	7901700			N(S/SXDMA)=1.FAST/C.PH1/B												A
P	7901700			17E36, 44, 37, 36-19E41T												A
P	7901702			1.FUPLM.(PRE3+PH1/F+PH8)												A
P	7901702			17E01, 10, 11												A
P	7901750			N(S/SXDMAM1)=1.(FAMT.PH1).R28-1												A
P	7901750			17E13, 04, 08, 13-19E42T												A
P	7901900			N(S/SXDP1)=1*+.FUMMC-1.PH7-D												A
P	7901900			13E20, \$. \$, 21, 22.												A
P	7901902			+.(FUPSW.(PRE3+PH1/F+PH8)												A
P	7901902			13E\$, 02, 01												A
P	7904000			N(S/SXMA)=1*+.FL1.(S/SX/FL1)												A
P	7904000			04E47, \$. \$, 44, 34.												A
P	7904002			+.(FADIV.PH9-D.N(S/SXA)												A
P	7904002			04E\$, 35, 33, 36												A
P	7904100			N(S/SXMD)=1*+.(FUSF.PH8).FL1												A
P	7904100			14E01, \$. \$, 11, 05.												A
P	7904102			+.(FALOAD/A-1).(PH1+PH3).NSW7												A
P	7904102			14E\$, 08, 09, 10												A
P	7904300			N(S/SXNA)=1.FAFL-1.(PRE/34+PH2)												A
P	7904300			17E02, 03, 09, 02-19E28T												A
P	7904302			1.(FAMULNH.PH7).B0-1												A
P	7904302			17E46, 40, 41												A
P	7904350			N(S/SXND)=1.FAFL-1.(PH1+PH3)												A
P	7904350			27E45, 50X, 43, 45-19E31T												A
P	7904500			NSXP =1*+.FUMMC-1.PH7-D.NDIS-5												A
P	7904500			12E30, \$. \$, 46, 31, 29X, \$. 50, 29X, 47, 30-												A
P	7904502			+.(FAST.PH4).NDIS-5.												A
P	7904502			12E\$, 42, 45, 33X,												A
P	7904520			SXP-2 =1.NSXP.												A
P	7904520			20P35, 39, 33X, 35-10M44C-10N44C-22M43T												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																																																		
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	40	41	42	43	44	45	46	47	48	49	50	50	51	52	53	54	55	56	57	58	59	60	60	61	62	63	64	65	66
P	7904530		SXP-3	=I.NSXP .										A																																																	
P	7904530			20P34,40,33X,34-17Q19T										A																																																	
P	7987100		NSYSR	=I.KSYSR.RESET/B										A																																																	
P	7987100			06C13,04,08,13-16B13T										A																																																	
P	7987102			I.START.										C																																																	
P	7987102			09B35,39,33X										C																																																	
P	8010000		T11	=-BDS.DL2/200.NT5DP/1.NT8DP.										D																																																	
P	8010000			22T23,47,25,26,24,23-20R29T										A																																																	
P	8010100		NT11L	=FF										A																																																	
P	8010100			07Q14										A																																																	
P	8010101		T11L	=NFF										A																																																	
P	8010101			07Q12										A																																																	
P	8010102		S/NT11L	=*.N(S/T11L)										A																																																	
P	8010102			07Q11X,11X,20,										A																																																	
				+ .BXP-3.GND2607																																																											
				11X,10X,13																																																											
P	8010116		R/NT11L	=.										A																																																	
P	8010116			07Q15										A																																																	
P	8010118		C/NT11L	=.CL-32P22										A																																																	
P	8010118			07Q01X										A																																																	
P	8010150		N(S/T11L)	=I*+. (FASEL.PH3).0L5										A																																																	
P	8010150			10C23, \$. \$. 06,07, \$. 15X,29X										A																																																	
P	8010152			+.FACOMP/L. (PRE/34+PH2)										A																																																	
P	8010152			10C\$. 17X, 12										A																																																	
P	8010154			+.FAST-1.PH1/B										A																																																	
P	8010154			10C\$. 15X, 14,										A																																																	
P	8010156			+.FACOMP/1. (PRE/34+PH2)										A																																																	
P	8010156			10C\$. 20, 21										A																																																	
P	8010158			I.FAST-1.PH8-B.										A																																																	
P	8010158			11B06,07,08,14										A																																																	
P	8010159			B.N(S/MBXS)										E																																																	
P	8010159			14A15,13										E																																																	
P	8010160			I										A																																																	
P	8010160			10C23,23-02A43C-31K43C-10M36C-10N36C-06Q01T										A																																																	
P	8010500		T5	=-BDS.DL2/000.T5EN..										F																																																	
P	8010500			22T18,12,13,14,17,18-11S28T										F																																																	
P	8010502			I.MRC.DRQ.CROSSADD										F																																																	
P	8010502			14T06,07,14,08										F																																																	
P	8010520		T5DP	=FB*+.T5DP.(R/DPL).										A																																																	
P	8010520			15T02, \$. \$. 23,24,12X.										A																																																	
				+.T5..																																																											
				\$.17,22,07X,02-19S46T																																																											
P	8010530		NT5DP	=I.T5DP										A																																																	
P	8010530			14S15,13,15-19S15T										A																																																	



XEROX DATA SYSTEMS

SIGMA 5 CPU

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133263-001 AC
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CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS												C/L																													
			1	2	3	4	5	6	7	8	9	10	11	12		20	21	22	23	24	25	26	27	28	29	30	40	41	42	43	44	45	46	47	48	49	50	60	61	62	63	64	65	66
P	8010540		NT5DP/1 =FB*+.NT5DP/1.(R/DPL). +.NT5DP.DL2/110S.												A																													
P	8010540		15T04,\$,\$,13,14,12X,\$,06,05,07X,04-22T02T												A																													
P	8010560		T5EN =B.NT8L.NT11L.NRW.NSXADD/1												A																													
P	8010560		15N22,15,14,13,12,22-19Q20C-19R20C-27S44T												A																													
P	8010562		I.AXRR.REU												A																													
P	8010562		20N45,39,42												A																													
P	8010564		I.RESET-1												K																													
P	8010564		23N15,31,17,18,30												K																													
P	8010700		T8 =-BDS.DL2/070.NT5DP.T8EN.MCROSS												D																													
P	8010700		22T31,45,35,33,38,31-19S45T												A																													
P	8010720		T8DP =FB*+.T8DP.(R/DPL). +.T8..												A																													
P	8010720		15T01,\$,\$,20,21,12X,\$,18,19,07X,01-20R28T												A																													
P	8010730		NT8DP =I.T8DP.												F																													
P	8010730		14T28,21,29X,28-20R26T												F																													
P	8010750		T8EN =I.T5EN.												A																													
P	8010750		20P25,23,29X,25-19Q21C-19R21C-20R25T												A																													
P	8010752		I.T11L.												A																													
P	8010752		20P27,22,29X												A																													
P	8010754		I.SXADD/1.RW												A																													
P	8010754		19P45,39,42												A																													
P	8010756		I.RW.REU												A																													
P	8010756		19P35,38,43												A																													
P	8010758		I.REU.AXRR												A																													
P	8010758		19P36,44,37												A																													
P	8010800		NT8L =FF												A																													
P	8010800		07Q06												A																													
P	8010801		T8L =NFF												A																													
P	8010801		07Q07												A																													
P	8010802		S/NT8L =*+.N(S/T8L)												A																													
P	8010802		07Q\$, \$,19, +.BXP-3.GND2607												A																													
P	8010816		R/NT8L =.												A																													
P	8010816		07Q09												A																													
P	8010818		C/NT8L =.CL-32P22												A																													
P	8010818		07Q01X												A																													

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L										
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20
	8010850		N(S/T8L) = B.N(S/MRQ/2)																				A
P	8010850		03B15, 13, 15-02A42C-31K42C-10M38C-10N38C-06Q02T																				A
	8010852		I.FAFL.NIOACT.NPH10.																				A
P	8010852		10B34, 24, 23, 28, 22																				A
	8010854		I.(S/INTRAP).																				C
P	8010854		09B36, 37, 33X																				C
	8010858		I*+. (FAMULNH.PH7).										+. FARWD.NPREP										A
P	8010858		10C22, \$, \$, 08, 09,										\$, 10, 11										A
	8010860		+. (IOPHO.SW13)-F.										+. (IOPHO.SW15).										A
P	8010860		10C\$, 04, 03X,										\$, 01, 03X										A
	8010862		+. FAST-1.PH1-B										+. GND1310.PRE3-C										A
P	8010862		10C\$, 30X, 13,										\$, 05, 19X										A
	8010864		+. FACOMP/1.PH1-B																				A
P	8010864		10C\$, 02, 26X																				A
	8010866		I*+. (IOPHO.SW14).DATAOUT										+. (IOPHI.SW13)-F.NIOEN										A
P	8010866		18C22, \$, \$, 08, 09,										\$, 10, 11										B
	8010868		+. IOB0.IOENNIN										+. GND1318.IOENNIN										A
P	8010868		18C\$, 04, 03X,										\$, 01, 03X										A
	8010870		+. PRE/12.										+. (IOPHI.SW8)-F.										A
P	8010870		18C\$, 13, 30X,										\$, 05, 19X										A
	8010872		+. (S/PH6/10)-1.FAFL																				A
P	8010872		18C\$, 02, 26X																				A
	8019100		/TDV/ = -BCD*B.N02.06-1.N07.IOPXFNC																				G
P	8019100		09F\$, 23, 11E36, 25, 27, 28, 26																				A
	8022100		TESTS										= I.NTESTS.N(FASTABORT.ENDE)										A
P	8022100		01Q46, 40, 41, 46-17Q05T																				A
	8022200		NTESTS = I.(FAMT.PH2.NINTRAP).																				A
P	8022200		13C35, 39, 33X, 35-02A41C-31K41C-14M47C-14N47C-22P11T																				A
	8022202		I.(FAMULNH.PH7).																				A
P	8022202		13C34, 40, 33X																				A
	8022204		I.FUSF.ENDE																				A
P	8022204		13C26, 24, 29X																				A
	8022206		I.FAFL.ENDE																				A
P	8022206		13C25, 23, 29X																				A
	8022208		I.FUMH.ENDE																				A
P	8022208		13C27, 22, 29X																				A
	8022210		I*+. FAS11.(PH1+PH3)										+. FADIV.ENDE .NCC2										A
P	8022210		14C14, \$, \$, 04, 12,										\$, 03, 02, 13										A
	8022212		+. FASEL.PH4-B.NOL7																				A
P	8022212		14C\$, 17, 28, 27																				A
	8022214		I*+. FACOMP/L.(PH1+PH3)										+. FALOAD/A.PH2-B										A
P	8022214		10C25, \$, \$, 17X, 33,										\$, 50, 46										A
	8022216		+. FALOAD/A.PH4-B										+. FUXW.PH1-B										A
P	8022216		10C\$, 45, 44,										\$, 43, 42										A
	8022218		+. FUAMM.PH1-B																				A
P	8022218		10C\$, 47, 26X																				A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																																				
			10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	8065201		NTRACC2 =NFF																					A																																				
P	8065201		25A26																					A																																				
P	8065202		S/TRACC2 =*+. (FACAL.PH1.NTRAP.NSTRAP).R29-1																					A																																				
P	8065202		25A46X,46X,36X,43																					A																																				
P	8065204		+.GND1125																					G																																				
P	8065204		25A46X,37X																					A																																				
P	8065206		+. (NTRAP.NSTRAP). (ADNH.TRACC2INH).																					A																																				
P	8065206		27A17,06X,18,15X																					A																																				
P	8065207		R/TRACC2 =. (R/TRACC)																					A																																				
P	8065207		25A44																					A																																				
P	8065209		C/TRACC2 =.CL-01E07																					A																																				
P	8065209		25A01X																					A																																				
P	8065216		TRACC2INH=I.FAILL.PRETR																					A																																				
P	8065216		32C13,04,08,13-29834T																					A																																				
P	8065218		I.FANIMP.PRETR																					A																																				
P	8065218		32C02,09,03																					A																																				
P	8065250		TRACC3 =FF																					A																																				
P	8065250		25A30,30-27C40C-27D40C																					A																																				
P	8065251		NTRACC3 =NFF																					A																																				
P	8065251		25A29																					A																																				
P	8065252		S/TRACC3 =*+. (FACAL.PH1.NTRAP.NSTRAP).R30-1																					A																																				
P	8065252		25A41X,41X,36X,42																					A																																				
P	8065254		+.GND1125																					G																																				
P	8065254		25A41X,37X																					A																																				
P	8065256		+. (FAPRIV.NMASTER).PRETR. (NTRAP.NSTRAP).																					A																																				
P	8065256		27A20,03,02,19X,07X																					A																																				
P	8065257		R/TRACC3 =. (R/TRACC)																					A																																				
P	8065257		25A40																					A																																				
P	8065259		C/TRACC3 =.CL-01E07																					A																																				
P	8065259		25A01X																					A																																				
P	8065300		TRACC4 =FF																					A																																				
P	8065300		25A33,33-27C41C-27D41C																					A																																				
P	8065301		NTRACC4 =NFF																					A																																				
P	8065301		25A34																					A																																				

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L									
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	8065302		S/TRACC4	= *+. (FACAL .PH1 .NTRAP .NSTRAP) .R31-1												A
P	8065302			25A39X, 39X, 36X, 35												A
P	8065304			+ .GND1125												G
P	8065304			25A39X, 37X												A
P	8065306			+ . (NTRAP .NSTRAP) .AB0												A
P	8065306			27A04, 06X, 05, 07X												A
P	8065307		R/TRACC4	= . (R/TRACC)												A
P	8065307			25A38												A
P	8065309		C/TRACC4	= .CL-01E07												A
P	8065309			25A01X												A
P	8065400		TRAP	=FF												A
P	8065400			24A27, 27-03C36C-03D36C-26D41T												A
P	8065401		NTRAP	=NFF												A
P	8065401			24A28, 28-16C15C-16D15C-26F14T												A
P	8065402		S/TRAP	= *+. (S/TRAP) .NRESET												A
P	8065402			24A50X, 50X, 47, 36X, + .GND1124												A
P	8065407		R/TRAP	= . (R/TRAP)												A
P	8065407			24A45												A
P	8065409		C/TRAP	= .CL-01E07												A
P	8065409			24A01X												A
P	8065415		(R/TRAP)	= I .N(R/TRAP) .												A
P	8065415			16A05, 02, 20X, 05-22B28T												A
P	8065417		N(R/TRAP)	= I *+. RESET .												A
P	8065417			20B04, \$, \$, 07, 06X, \$, 08, 09, 10, 11, 14X, 04-22B29T												A
P	8065420		(S/TRAP)	= I .N(S/TRAP) .												A
P	8065420			16A19, 03, 20X, 19-23C02C-23D02C-22E12T												F

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L	
	1	2	3	4	5	6	7	8	9	10
	8161259		C/WCT4	= .1MC						Z
P	8161259			22A01X						A
	8161270		(R/WCT4)	=B.WCT5.WCT6						A
P	8161270			21A13,04,08						A
	8161300		WCT5	=FF						A
P	8161300			22A02						A
	8161301		NWCT5	=NFF						A
P	8161301			22A21						A
	8161302		S/WCT5	=*+. (S/WCT5).				+ .WDTRAC		A
P	8161302			22A18X,18X,25,10X.				18X,17X		A
	8161307		R/WCT5	= .WCT6						A
P	8161307			22A23						A
	8161309		C/WCT5	= .1MC						Z
P	8161309			22A01X						A
	8161330		(S/WCT5)	=B.NWCT5.WCT6						A
P	8161330			21A36,44,37						A
	8161350		WCT6	=FF						A
P	8161350			22A04						A
*	8161351		NWCT6	=NFF	.SEE(S/WCT6.NWCT6)					Z
	8161352		S/WCT6	=*+. (S/WCT6.NWCT6).				+ .WDTRAC		Z
P	8161352			22A03X,03X,24,10X.				03X,17X		A
	8161357		R/WCT6	= .WCT6						A
P	8161357			22A22						A
	8161359		C/WCT6	= .1MC						Z
P	8161359			22A01X						A
	8162000		(S/WCT6.NWCT6)	=B.256KC.128KC.64KC.						Z
P	8162000			27K34,24,23,22,28,34-31K12C-02A12C-20A06T						Z
	8162010			NFF	.SEE WCT6					Z
P	8162010			22A05						Z
	8165200		WDINT	=B.B25 .OLD.CCXRD						C
P	8165200			15F06,07,08,14,06-26D50T						A
	8165210		NWDINT	=1.WDINT.						A
P	8165210			32F41,38,33X,41-19E4HT						A
	8165290		(WDINT.B29)	=B.WDINT.B29-1						A
P	8165290			27F46,40,41						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	8165300		(WDINT.B30)	=B.WDINT.B30-1						A
P	8165300			16F01,10,11						A
P	8165500		WDTA	=FF						A
P	8165500			22A14,14-19C43C-19D43C-19E30T						A
P	8165501		NWDTA	=NFF						A
P	8165501			22A12						A
P	8165502		S/WDTA	=*+. (S/WDTA).			+ .GND1122			A
P	8165502			22A11X,11X,13,10X.			11X,20			A
P	8165507		R/WDTA	= .WDTRAC						A
P	8165507			22A15						A
P	8165509		C/WDTA	= .1MC						Z
P	8165509			22A01X						A
P	8165530		(S/WDTA)	=B.WCT1.(S/WCT3).WCT2.NWDTRAC						Z
P	8165530			21A14,20,21,29,19						A
P	8165700		WDTR	=FF						A
P	8165700			24A06						A
P	8165701		NWDTR	=NFF						A
P	8165701			24A07						A
P	8165702		S/WDTR	=*+.GND1124.			+.(S/WDTR)			A
P	8165702			24A\$.\$.08,10X.			\$.19			A
P	8165707		R/WDTR	= .WDTRUN						G
P	8165707			24A09						A
P	8165709		C/WDTR	= .CL-01E07						A
P	8165709			24A01X						A
P	8165715		(S/WDTR)	=I.N(S/WDTR).						A
P	8165715			16A47,31,50X,47-29826T						A
P	8165720		N(S/WDTR)	=I.IEN.						A
P	8165720			16A45,43,50X,45-29827T						A
P	8165722			I.PH10						A
P	8165722			16A44,42,50X						A
P	8165724			I.(10PH1.SW13)-F.						A
P	8165724			16A46,30,50X						A
P	8165726			I.FUMC.PH8-B.BRPH2.						A
P	8165726			07A14,21,29,19,20						A
P	8165750		NWDTR	=NFF						G
P	8165750			24A07						G

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L									
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	8165780		WDTRUN	=FB**.	WDTRUN.WDTR.											G
P	8165780			19A45,\$,\$,38,37,35X,												J
P	8165784		NWDTRUN	=I.WDTRUN...												G
P	8165784			18A15,30,31,17,18,15-20A17T												G
P	8165800		WDTRAC	=FF												A
P	8165800			22A06,												A
P	8165801		NWDTRAC	=NFF												A
P	8165801			22A07												A
P	8165802		S/WDTRAC	**.(S/WDTRAC).												G
P	8165802			22A\$, \$.08,10X,												A
P	8165807		R/WDTRAC	=.WDTRAC												A
P	8165807			22A09												A
P	8165809		C/WDTRAC	= .1MC												Z
P	8165809			22A01X												A
P	8165830		(S/WDTRAC)	=B**.	WDTR.NWDTRAC.NWDTRUN											G
P	8165830			18B36,\$,\$,27,29,28,												J
P	8165900		WDTR/K	=I.NWDTR/K.												J
P	8165900			16A34,40,33X,34-29B30T												G
P	8165910		NWDTR/K	=I.KSC-1.												G
P	8165910			16A36,37,33X,36-20A05T												G
P	8165912			I.NKRUN.												G
P	8165912			16A41,38,33X												G
P	8165914			I.KWDTR.												G
P	8165914			16A35,39,33												G
P	8165916			I.PCPACT												G
P	8165916			30B15,13												G
P	8165918			I.KRUN.PCP2.NIOACT												G
P	8165918			29C12,05,06,07												G
P	8180100		WKO	=FF												A
P	8180100			20M04,04-14M24C-14N24C												A
P	8180101		NWKO	=NFF												A
P	8180101			20M05												A
P	8180102		S/WKO	**S2.PSW2XS												A
P	8180102			20M\$, \$.24,10X,												A
P	8180107		R/WKO	=.PSW2XS												A
P	8180107			20M22												A

CODE	LINE NO.	C/L	LOGIC EQUATIONS										PINS										REMARKS	C/L					
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			21	22	23	24	25	26	27	28	29	30
P	8180109	C/WK0	=.CL-32P10																					A					
P	8180109		20M01																					A					
P	8180110	WK0/L	=-LD.WK0.																					A					
P	8180110		17L\$.06,10X																					A					
P	8180200	WK1	=FF																					A					
P	8180200		20M02,02-14M25C-14N25C																					A					
P	8180201	NWK1	=NFF																					A					
P	8180201		20M21																					A					
P	8180202	S/WK1	=**S3.PSW2XS																				+GND2320	A					
P	8180202		20M18X,18,25,10X.																				18X,17X	A					
P	8180207	R/WK1	=.PSW2XS																					A					
P	8180207		20M23																					A					
P	8180209	C/WK1	=.CL-32P10																					A					
P	8180209		20M01X																					A					
P	8180210	WK1/L	=-LD.WK1.																					A					
P	8180210		17L\$.17,10X																					A					
P	8291000	ZXX	=B.STRAP .NRESET10																					A					
P	8291000		18B37,50,46,41,37-19C46C-19D46C-26D46T																					A					
P	8300000	P4VA	=-VSP																					A					
P	8300000		01A49,49-02A49-03A49-04A49-05A49-06A49-07A49-08A49																					A					
P	8300010		-VSP																					A					
P	8300010		01A49,49-09A49-10A49-11A49-12A49-13A49-14A49-15A49																					A					
P	8300020		-VSP																					A					
P	8300020		01A49,49-16A49-17A49-18A49-19A49-20A49-21A49-22A49																					A					
P	8300030		-VSP																					A					
P	8300030		01A49,49-23A49-24A49-25A49-26A49-27A49-28A49-29A49																					A					
P	8300040		-VSP																					A					
P	8300040		01A49,49-30A49-31A49-32A49																					A					
P	8300100	P4VB	=-VSP																					A					
P	8300100		01B49,49-02B49-03B49-04B49-05B49-06B49-07B49-08B49																					A					
P	8300110		-VSP																					A					
P	8300110		01B49,49-09B49-10B49-11B49-12B49-13B49-14B49-15B49																					A					
P	8300120		-VSP																					A					
P	8300120		01B49,49-16B49-17B49-18B49-19B49-20B49-22B49																					A					
P	8300130		-VSP																					A					
P	8300130		01B49,49-30B49-21B49-23B49-24B49-25B49-26B49-29B49																					A					
P	8300140		-VSP																					A					
P	8300140		01B49,49-28B49-31B49-32B49-27B49																					A					

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			1	2	3	4	5	6			7	8	9	10
	8300200	P4VC	--VSP							A
P	8300200		01C49,49-02C49-03C49-04C49-05C49-06C49-07C49-08C49							A
	8300210		-VSP							A
P	8300210		01C49,49-09C49-10C49-11C49-12C49-13C49-14C49-15C49							A
	8300220		-VSP							A
P	8300220		01C49,49-16C49-17C49-18C49-19C49-20C49-21C49-22C49							A
	8300230		-VSP							A
P	8300230		01C49,49-23C49-24C49-25C49-26C49-27C49-28C49-29C49							A
	8300240		-VSP							A
P	8300240		01C49,49-30C49-31C49-32C49							A
	8300300	P4VD	--VSP							A
P	8300300		01D49,49-02D49-03D49-04D49-05D49-06D49-07D49-08D49							A
	8300310		-VSP							A
P	8300310		01D49,49-09D49-10D49-11D49-12D49-13D49-14D49-15D49							A
	8300320		-VSP							A
P	8300320		01D49,49-16D49-17D49-18D49-19D49-20D49-21D49-22D49							A
	8300330		-VSP							A
P	8300330		01D49,49-23D49-24D49-25D49-26D49-27D49-28D49-29D49							A
	8300340		-VSP							A
P	8300340		01D49,49-30D49-31D49-32D49							A
	8300400	P4VE	--VSP							A
P	8300400		01E49,49-02E49-03E49-04E49-05E49-06E49-07E49-08E49							A
	8300410		-VSP							A
P	8300410		01E49,49-09E49-10E49-11E49-12E49-13E49-14E49-15E49							A
	8300420		-VSP							A
P	8300420		01E49,49-16E49-17E49-18E49-19E49-20E49-21E49-22E49							A
	8300430		-VSP							A
P	8300430		01E49,49-23E49-24E49-25E49-26E49-27E49-28E49-29E49							A
	8300440		-VSP							A
P	8300440		01E49,49-30E49-31E49-32E49							A
	8300500	P4VF	--VSP							A
P	8300500		01F49,49-02F49-03F49-04F49-05F49-06F49-07F49-08F49							A
	8300510		-VSP							A
P	8300510		01F49,49-09F49-10F49-11F49-12F49-13F49-14F49-15F49							A
	8300520		-VSP							A
P	8300520		01F49,49-16F49-17F49-18F49-19F49-20F49-21F49-22F49							A
	8300530		-VSP							A
P	8300530		01F49,49-23F49-24F49-25F49-26F49-27F49-28F49-29F49							A
	8300540		-VSP							A
P	8300540		01F49,49-30F49-31F49-32F49							A

CODE	LINE NO.	CHG	LOGIC				EQUATIONS				PINS				REMARKS	C/L
			1	2	3	4	1	2	3	4	1	2	3	4		
	1	2345678	9	10	1	2	3	4	5	6	7	8	9	10		
	8301000			P4VK	==VSP											A
P	8301000				01K49,49-02K49-03K49-04K49-05K49-06K49-07K49-08K49											A
	8301010				-VSP											A
P	8301010				01K49,49-09K49-10K49-11K49-12K49-13K49-14K49-15K49											A
	8301020				-VSP											A
P	8301020				01K49,49-16K49-17K49-18K49-19K49-20K49-21K49-22K49											A
	8301030				-VSP											A
P	8301030				01K49,49-23K49-24K49-25K49-26K49-27K49-28K49-29K49											A
	8301040				-VSP											A
P	8301040				01K49,49-30K49-31K49-32K49											A
	8301100			P4VL	==VSP											A
P	8301100				01L49,49-02L49-03L49-04L49-05L49-06L49-07L49-08L49											A
	8301110				-VSP											A
P	8301110				01L49,49-09L49-10L49-11L49-12L49-13L49-14L49-15L49											A
	8301120				-VSP											A
P	8301120				01L49,49-16L49-17L49-18L49-19L49-20L49-21L49-22L49											A
	8301130				-VSP											A
P	8301130				01L49,49-23L49-24L49-25L49-26L49-27L49-28L49-29L49											A
	8301140				-VSP											A
P	8301140				01L49,49-30L49-31L49-32L49											A
	8301200			P4VM	==VSP											A
P	8301200				01M49,49-02M49-03M49-04M49-05M49-06M49-07M49-08M49											A
	8301210				-VSP											A
P	8301210				01M49,49-09M49-10M49-11M49-12M49-13M49-14M49-15M49											A
	8301220				-VSP											A
P	8301220				01M49,49-16M49-17M49-18M49-19M49-20M49-21M49-22M49											A
	8301230				-VSP											A
P	8301230				01M49,49-23M49-24M49-25M49-26M49-27M49-28M49-29M49											A
	8301240				-VSP											A
P	8301240				01M49,49-30M49-31M49-32M49											A
	8301300			P4VN	==VSP											A
P	8301300				01N49,49-02N49-03N49-04N49-05N49-06N49-07N49-08N49											A
	8301310				-VSP											A
P	8301310				01N49,49-09N49-10N49-11N49-12N49-13N49-14N49-15N49											A
	8301320				-VSP											A
P	8301320				01N49,49-16N49-17N49-18N49-19N49-20N49-21N49-22N49											A
	8301330				-VSP											A
P	8301330				01N49,49-23N49-24N49-25N49-26N49-27N49-28N49-29N49											A
	8301340				-VSP											A
P	8301340				01N49,49-30N49-31N49-32N49											A

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	123456789	40	23456789	50	23456789	60	23456789	70	
	8301400		P4VP	==VSP												A
P	8301400			01P49,49-02P49-03P49-04P49-05P49-06P49-07P49-08P49												A
	8301410			-VSP												A
P	8301410			01P49,49-09P49-10P49-11P49-12P49-13P49-14P49-15P49												A
	8301420			-VSP												A
P	8301420			01P49,49-16P49-17P49-18P49-19P49-20P49-21P49-22P49												A
	8301430			-VSP												A
P	8301430			01P49,49-23P49-24P49-25P49-26P49-27P49-28P49-29P49												A
	8301440			-VSP												A
P	8301440			01P49,49-30P49-31P49-32P49												A
	8301500		P4VQ	==VSP												A
P	8301500			01Q49,49-02Q49-03Q49-04Q49-05Q49-06Q49-07Q49-08Q49												A
	8301510			-VSP												A
P	8301510			01Q49,49-09Q49-10Q49-11Q49-12Q49-13Q49-14Q49-15Q49												A
	8301520			-VSP												A
P	8301520			01Q49,49-16Q49-17Q49-18Q49-19Q49-20Q49-21Q49-22Q49												A
	8301530			-VSP												A
P	8301530			01Q49,49-23Q49-24Q49-25Q49-26Q49-27Q49-28Q49-29Q49												A
	8301540			-VSP												A
P	8301540			01Q49,49-30Q49-31Q49-32Q49												A
	8301600		P4VR	==VSP												A
P	8301600			01R49,49-02R49-03R49-04R49-05R49-06R49-07R49-08R49												A
	8301610			-VSP												A
P	8301610			01R49,49-09R49-10R49-11R49-12R49-13R49-14R49-15R49												A
	8301620			-VSP												A
P	8301620			01R49,49-16R49-17R49-18R49-19R49-20R49-21R49-22R49												A
	8301630			-VSP												A
P	8301630			01R49,49-23R49-24R49-25R49-26R49-27R49-28R49-29R49												A
	8301640			-VSP												A
P	8301640			01R49,49-30R49-31R49-32R49												A
	8301700		P4VS	==VSP												A
P	8301700			01S49,49-02S49-03S49-04S49-05S49-06S49-07S49-08S49												A
	8301710			-VSP												A
P	8301710			01S49,49-09S49-10S49-11S49-12S49-13S49-14S49-15S49												A
	8301720			-VSP												A
P	8301720			01S49,49-16S49-17S49-18S49-19S49-20S49-21S49-22S49												A
	8301730			-VSP												A
P	8301730			01S49,49-23S49-24S49-25S49-26S49-27S49-28S49-29S49												A
	8301740			-VSP												A
P	8301740			01S49,49-30S49-31S49-32S49												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70									
	8303500		P8VQ	==VSP														A						
P	8303500			01Q51.51-02Q51-03Q51-04Q51-05Q51-06Q51-07Q51-08Q51														A						
	8303510			-VSP														A						
P	8303510			01Q51.51-09Q51-10Q51-11Q51-12Q51-13Q51-14Q51-15Q51														A						
	8303520			-VSP														A						
P	8303520			01Q51.51-16Q51-17Q51-18Q51-19Q51-20Q51-21Q51-22Q51														A						
	8303530			-VSP														A						
P	8303530			01Q51.51-23Q51-24Q51-25Q51-26Q51-27Q51-28Q51-29Q51														A						
	8303540			-VSP														A						
P	8303540			01Q51.51-30Q51-31Q51-32Q51														A						
	8303600		P8VR	==VSP														A						
P	8303600			01R51.51-02R51-03R51-04R51-05R51-06R51-07R51-08R51														A						
	8303610			-VSP														A						
P	8303610			01R51.51-09R51-10R51-11R51-12R51-13R51-14R51-15R51														A						
	8303620			-VSP														A						
P	8303620			01R51.51-16R51-17R51-18R51-19R51-20R51-21R51-22R51														A						
	8303630			-VSP														A						
P	8303630			01R51.51-23R51-24R51-25R51-26R51-27R51-28R51-29R51														A						
	8303640			-VSP														A						
P	8303640			01R51.51-30R51-31R51-32R51														A						
	8303700		P8VS	==VSP														A						
P	8303700			01S51.51-02S51-03S51-04S51-05S51-06S51-07S51-08S51														A						
	8303710			-VSP														A						
P	8303710			01S51.51-09S51-10S51-11S51-12S51-13S51-14S51-15S51														A						
	8303720			-VSP														A						
P	8303720			01S51.51-16S51-17S51-18S51-19S51-20S51-21S51-22S51														A						
	8303730			-VSP														A						
P	8303730			01S51.51-23S51-24S51-25S51-26S51-27S51-28S51-29S51														A						
	8303740			-VSP														A						
P	8303740			01S51.51-30S51-31S51-32S51														A						
	8303800		P8VT	==VSP														A						
P	8303800			01T51.51-02T51-03T51-04T51-05T51-06T51-07T51-08T51														A						
	8303810			-VSP														A						
P	8303810			01T51.51-09T51-10T51-11T51-12T51-13T51-14T51-15T51														A						
	8303820			-VSP														A						
P	8303820			01T51.51-16T51-17T51-18T51-19T51-20T51-21T51-22T51														A						
	8303830			-VSP														A						
P	8303830			01T51.51-23T51-24T51-25T51-26T51-27T51-28T51-29T51														A						
	8303840			-VSP														A						
P	8303840			01T51.51-30T51-31T51-32T51														A						
	8304000		M8VA	==VSP														A						
P	8304000			15A50														A						
	8304100		M8VB	==VSP														A						
P	8304100			01B50.50-02B50														A						

CODE	LINE NO.	CHG	LOGIC EQUATIONS		/	PINS		REMARKS	C/L
			10 1 2 3 4 5 6 7 8 9	20 2 3 4 5 6 7 8 9		30 1 2 3 4 5 6 7 8 9	40 1 2 3 4 5 6 7 8 9			50 1 2 3 4 5 6 7 8 9	60 1 2 3 4 5 6 7 8 9	70
P	8304400	M8VE	=-VSP						A
P	8304400		09E50						A
P	8304500	M8VF	=-VSP						A
P	8304500		05F50,50-07F50-09F50						A
P	8304600	M8VK	=-VSP						A
P	8304600		23K50,50-22K50-21K50-20K50-19K50-18K50-17K50						A
P	8304610		-VSP						A
P	8304610		23K50,50-16K50-15K50-13K50-12K50-11K50-10K50						A
P	8304620		-VSP						A
P	8304620		23K50,50-09K50-08K50-07K50-06K50-05K50-02K50-01K50						A
P	8304700	M8VL	=-VSP						A
P	8304700		17L50,50-10L50-08L50						A
P	8304800	M8VM	=-VSP						A
P	8304800		17M50,50-12M50-09M50						A
P	8304900	M8VN	=-VSP						A
P	8304900		31N50,50-27N50-04N50-03N50-02N50-01N50						A
P	8305000	M8VP	=-VSP						A
P	8305000		25P50,50-18P50						A
P	8305100	M8VQ	=-VSP						A
P	8305100		29Q50,50-26Q50-22Q50-18Q50						A
P	8305200	M8VR	=-VSP						A
P	8305200		22R50,50-18R50-15R50-04R50-02R50						A
P	8305300	M8VS	=-VSP						A
P	8305300		31S50,50-29S50-26S50-15S50-09S50-08S50-07S50						A
P	8305310		-VSP						A
P	8305310		31S50,50-06S50-05S50-04S50-03S50-02S50-01S50						A
P	8305400	M8VT	=-VSP						A
P	8305400		32T50,50-31T50-29T50-27T50-25T50-24T50-23T50						A
P	8305410		-VSP						A
P	8305410		32T50,50-22T50-21T50-20T50-19T50-18T50-13T50						A
P	8305420		-VSP						A
P	8305420		32T50,50-12T50-11T50-10T50-09T50-08T50-07T50						A
P	8305430		-VSP						A
P	8305430		32T50,50-06T50-05T50-04T50-03T50-02T50-01T50						A
END OF LIST									

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																																															
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
	2001400		(A1.N06)																																																									
	1010140		NA1-1																																																									
	1100100		A10																																																									
	1100104		NA10																																																									
	1100110		S/A10																																																									
	1100130		R/A10																																																									
	1100134		C/A10																																																									
	1100140		NA10-1																																																									
	1110100		A11																																																									
	1110104		NA11																																																									
	1110110		S/A11																																																									
	1110130		R/A11																																																									
	1110134		C/A11																																																									
	1110140		NA11-1																																																									
	1120100		A12																																																									
	1120104		NA12																																																									
	1120110		S/A12																																																									
	1120130		R/A12																																																									
	1120134		C/A12																																																									
	1120138		A12-1																																																									
	1120140		NA12-1																																																									
	1130100		A13																																																									
	1130104		NA13																																																									
	1130110		S/A13																																																									
	1130130		R/A13																																																									
	1130134		C/A13																																																									
	1130140		NA13-1																																																									
	1140100		A14																																																									
	1140104		NA14																																																									
	1140110		S/A14																																																									
	1140130		R/A14																																																									
	1140134		C/A14																																																									
	1140140		NA14-1																																																									
	1150100		A15																																																									
	1150104		NA15																																																									
	1150110		S/A15																																																									
	1150130		R/A15																																																									
	1150134		C/A15																																																									
	1150140		NA15-1																																																									
	1160100		A16																																																									
	1160104		NA16																																																									
	1160110		S/A16																																																									
	1160130		R/A16																																																									
	1160134		C/A16																																																									
	2001680		(A16.GXNAD+NA16.PRXNAD)																																																									
	1160140		NA16-1																																																									
	2001600		(A16-K16)																																																									
	2001650		N(A16-K16)																																																									
	1170100		A17																																																									
	1170104		NA17																																																									
	1170110		S/A17																																																									

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9		10
	1240110											
	1240130											
	1240134											
	1240140											
	1240150											
	1250100											
	1250104											
	1250110											
	1250130											
	1250134											
	1250140											
	1250150											
	1260100											
	1260104											
	1260110											
	1260130											
	1260134											
	1260140											
	1260150											
	1270100											
	1270104											
	1270110											
	1270130											
	1270134											
	1270140											
	1270150											
	1280100											
	1280104											
	1280110											
	1280130											
	1280134											
	1280140											
	1280150											
	1290100											
	1290104											
	1290110											
	1290130											
	1290134											
	1290140											
	1290150											
	1020150											
	1030100											
	1030104											
	1030110											
	1030130											
	1030134											
	2001690											
	1030140											
	1300100											
	1300104											
	1300110											

CODE	LINE NO.	CHG	LOGIC EQUATIONS					PINS					REMARKS	C/L		
			10	20	30	40	50	60	70	80	90					
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
	1000345			N(R/B0/1)												
	2500020			B0001EN/1												
	2500070			B0031Z												
	1010300			B1												
	1010304			NB1												
	1010310			S/B1												
	1010330			R/B1												
	1010334			C/B1												
	1010350			(S/B1)												
	1010340			(R/B1)												
	1010370			B1-1												
	1010345			N(R/B1/1)												
	1100300			B10												
	1100304			NB10												
	1100310			S/B10												
	1100330			R/B10												
	1100334			C/B10												
	1100350			(S/B10)												
	1100370			N(S/B10)												
	1110300			B11												
	1110304			NB11												
	1110310			S/B11												
	1110330			R/B11												
	1110334			C/B11												
	1110350			(S/B11)												
	1110360			N(S/B11)												
	1120300			B12												
	1120304			NB12												
	1120310			S/B12												
	1120330			R/B12												
	1120334			C/B12												
	1120350			(S/B12)												
	1130300			B13												
	1130304			NB13												
	1130310			S/B13												
	1130330			R/B13												
	1130334			C/B13												
	1130350			(S/B13)												
	1130360			N(S/B13)												
	1140300			B14												
	1140304			NB14												
	1140310			S/B14												
	1140330			R/B14												
	1140334			C/B14												
	1140350			(S/B14)												
	1140355			(S/B14/1)												
	1150300			B15												
	1150304			NB15												
	1150310			S/B15												
	1150330			R/B15												
	1150334			C/B15												
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																																															
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
	2503110		(B31-BC31)																																																									
	1310340		B31EN/1																																																									
	1040300		B4																																																									
	1040304		NB4																																																									
	1040310		S/B4																																																									
	1040330		R/B4																																																									
	1040334		C/B4																																																									
	1040350		(S/B4)																																																									
	1050300		B5																																																									
	1050304		NB5																																																									
	1050310		S/B5																																																									
	1050330		R/B5																																																									
	1050334		C/B5																																																									
	1060300		B6																																																									
	1060304		NB6																																																									
	1060310		S/B6																																																									
	1060330		R/B6																																																									
	1060334		C/B6																																																									
	1070300		B7																																																									
	1070304		NB7																																																									
	1070310		S/B7																																																									
	1070330		R/B7																																																									
	1070334		C/B7																																																									
	1080300		B8																																																									
	1080304		NB8																																																									
	1080310		S/B8																																																									
	1080330		R/B8																																																									
	1080334		C/B8																																																									
	1080350		(S/B8)																																																									
	2500800		N((S/B8).D4)																																																									
	1090300		B9																																																									
	1090304		NB9																																																									
	1090310		S/B9																																																									
	1090330		R/B9																																																									
	1090334		C/B9																																																									
	1090350		(S/B9)																																																									
	1090360		N(S/B9)																																																									
	2500900		N((S/B9).D4)																																																									
	2559800		(BC=1)																																																									
	2559830		N(BC=1)																																																									
	2560000		BC0																																																									
	2560001		NBC0																																																									
	2560002		S/BC0																																																									
	2560007		R/BC0																																																									
	2560009		C/BC0																																																									
	2560020		(R/BC0)																																																									
	2560050		BC1																																																									
	2560051		NBC1																																																									
	2560052		S/BC1																																																									
	2560057		R/BC1																																																									
	2560059		C/BC1																																																									

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS							C/L						
			1	2	3	4	5	6	7							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
	3107000			CEINT												
	3107001			NCEINT												
	3107004			S/CEINT												
	3107007			R/CEINT												
	3107002			F/CEINT												
	3107008			E/CEINT												
	3107009			C/CEINT												
	3107050			(NCEINT.KSC-1)												
	3107030			(S/CEINT)												
	3107015			(F/CEINT)												
	3107040			N(S/CEINT)												
	3163100			CIF												
	3163101			NCIF												
	3163102			S/CIF												
	3163107			R/CIF												
	3163109			C/CIF												
	3163140			(R/CIF)												
	3163125			(S/CIF/1)												
	3163130			(S/CIF/2)												
	3163120			CIF/L												
	3180380			CK-32P38												
	3180420			CK-32P42												
	3180430			CK-32P43												
	3180450			CK-32P45												
	3180470			CK-32P47												
	3181000			CK/1												
	3181020			CK/10												
	3181022			CK/11												
	3181024			CK/12												
	3181004			CK/2												
	3181006			CK/3												
	3181008			CK/4												
	3181010			CK/5												
	3181012			CK/6												
	3181014			CK/7												
	3181016			CK/8												
	3181018			CK/9												
	3181030			CL-01E01												
	3181040			CL-01E03												
	3181050			CL-01E07												
	3181060			CL-01E10												
	3181070			CL-01E14												
	3181080			CL-01E18												
	3181090			CL-01E22												
	3200010			CL-32P01												
	3200030			CL-32P03												
	3200040			CL-32P04												
	3200060			CL-32P06												
	3200080			CL-32P08												
	3200100			CL-32P10												
	3200120			CL-32P12												
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			10	20	30	40	50	60	70	80	90	100			
	1171304														
	1171310														
	1171330														
	1171334														
	1181300														
	1181304														
	1181310														
	1181330														
	1181334														
	1191300														
	1191304														
	1191310														
	1191330														
	1191334														
	1021300														
	1021304														
	1021310														
	1021330														
	1021334														
	1201300														
	1201304														
	1201310														
	1201330														
	1201334														
	1211300														
	1211304														
	1211310														
	1211330														
	1211334														
	1221300														
	1221304														
	1221310														
	1221330														
	1221334														
	1231300														
	1231304														
	1231310														
	1231330														
	1231334														
	1231360														
	1231340														
	1231350														
	1241300														
	1241304														
	1241310														
	1241330														
	1241334														
	1251300														
	1251304														
	1251310														
	1251330														

CODE	LINE NO.	CHK	LOGIC		EQUATIONS		PINS		REMARKS		C/L
			10	20	30	40	50	60	70		
	1061350		(S/D6)								
	1061340		ND6-1								
	1071300		D7								
	1071304		ND7								
	1071310		S/D7								
	1071330		R/D7								
	1071334		C/D7								
	1071350		(S/D7)								
	1071340		D7-1								
	1071342		ND7-1								
	1081300		D8								
	1081304		NDB								
	1081310		S/D8								
	1081330		R/D8								
	1081334		C/D8								
	1081340		NDB-1								
	1091300		D9								
	1091304		ND9								
	1091310		S/D9								
	1091330		R/D9								
	1091334		C/D9								
	1001360		DA0								
	1001370		NDA0								
	1001380		/DA0/								
	1011360		DA1								
	1011370		NDA1								
	1011380		/DA1/								
	1021360		DA2								
	1021370		NDA2								
	1021380		/DA2/								
	1031360		DA3								
	1031370		NDA3								
	1031380		/DA3/								
	1041360		DA4								
	1041370		NDA4								
	1041380		/DA4/								
	1051360		DA5								
	1051370		NDA5								
	1051380		/DA5/								
	1061360		DA6								
	1061370		NDA6								
	1061380		/DA6/								
	1071360		DA7								
	1071370		NDA7								
	1071380		/DA7/								
	3530400		DAP								
	3530450		NDAP								
	3530500		/DAP/								
	3532000		DARM-1								
	3532020		DARM-2								
	3532030		DARM-3								

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS /					REMARKS	C/L						
			10	20	30	40	50			60	70				
	1061510														
	1061511														
	1061512														
	1061517														
	1061518														
	1071500														
	1071520														
	1071510														
	1071511														
	1071512														
	1071517														
	1071518														
	1081500														
	1081520														
	1081510														
	1081511														
	1081512														
	1081517														
	1081518														
	1091500														
	1091520														
	1091510														
	1091511														
	1091512														
	1091517														
	1091518														
	3651130														
	3650000														
	3651002														
	3651000														
	3651004														
	3651006														
	3651008														
	3651010														
	3651134														
	3651150														
	3651100														
	3651104														
	3651106														
	3651108														
	3651114														
	3651116														
	3651118														
	3651122														
	3651124														
	3651126														
	3651128														
	3651202														
	3651200														
	3651204														
	3651206														
1	2 3 4 5 6 7 8	9	10	12 3 4 5 6 7 8 9	20	23 4 5 6 7 8 9	30	23 4 5 6 7 8 9	40	23 4 5 6 7 8 9	50	23 4 5 6 7 8 9	60	23 4 5 6 7 8 9	70



XEROX DATA SYSTEMS

SIGMA 5 CPU

34
133263-100 AC
10/27/71

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
	1 2 3 4 5 6 7 8	9	10	1 2 3 4 5 6 7 8 9	20	2 3 4 5 6 7 8 9	30	1 2 3 4 5 6 7 8 9	40	2 3 4 5 6 7 8 9	50	1 2 3 4 5 6 7 8 9	60	2 3 4 5 6 7 8 9	70	
	3651208		C/NDI	OWD												
	3651210		(S/DI	OWD)												
	3689000		DIOX-0													
	3689010		DIOX-1													
	3689020		DIOX-2													
	3689030		DIOX-3													
	3689200		NDIOXB													
	3689212		DIOXB-12													
	3689213		DIOXB-13													
	3689220		DIOXB-2													
	3689230		DIOXB-3													
	3689332		NDIOXDIO													
	3689300		DIOXDIO-0													
	3689310		DIOXDIO-1													
	3689320		DIOXDIO-2													
	3689330		DIOXDIO-3													
	3689395		NDIOXS													
	3689400		DIOXS-0													
	3689410		DIOXS-1													
	3689420		DIOXS-2													
	3689430		DIOXS-3													
	3690100		DIS													
	3690105		NDIS													
	3690150		(DIS.NKSXA)													
	3690160		(DIS.NKSXD)													
	3690120		NDIS-2													
	3690130		NDIS-3													
	3690134		NDIS-4													
	3690138		NDIS-5													
	3691000		DIT/1													
	3691100		(DIT(MC=30))													
	3699100		DIVOVER													
	3740100		S/DL1													
	3740000		DL1/000													
	3740004		DL1/000S													
	3740010		DL1/040													
	3740020		DL1/050													
	3740030		DL1/060													
	3740034		DL1/060S													
	3740040		DL1/080													
	3740044		DL1/080S													
	3740049		DL1/160													
	3740050		DL1/170													
	3740054		DL1/180													
	3740056		DL1/180S													
	3740076		DL1/210													
	3740078		DL1/210S													
	3740080		DL1/240													
	3740200		S/DL2													
	3740120		DL2/000													
	3740130		DL2/050													
1	2 3 4 5 6 7 8	9	10	1 2 3 4 5 6 7 8 9	20	2 3 4 5 6 7 8 9	30	1 2 3 4 5 6 7 8 9	40	2 3 4 5 6 7 8 9	50	1 2 3 4 5 6 7 8 9	60	2 3 4 5 6 7 8 9	70	

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L																																															
			1	2	3	4	5	6	7	8	9	10		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
	4420930		N(FUAWM.PRE3)																																																									
	4421000		FUBAL																																																									
	4421030		FUBCR																																																									
	4421040		FUBCS																																																									
	4421050		FUBDR																																																									
	4421090		FUBIR																																																									
	4421150		NFUCS																																																									
	4421220		(FUDW.NR31+FUSF.D23)																																																									
	4421210		(FUDW.NR31.NB31)																																																									
	4421200		(FUDW.NR31)																																																									
	4421205		N(FUDW.NR31)																																																									
	4421250		FUEXU																																																									
	4421260		NFUEXU																																																									
	4421270		(FUEXU.(INT+IOSC))																																																									
	4421265		N(FUEXU.ENDE)																																																									
	4421300		FUINT																																																									
	4421430		FULAD																																																									
	4421436		N(FULAD.PRE4)																																																									
	4421432		FULAWORDW																																																									
	4421400		(FULI+FULCFI)																																																									
	4421450		FULRP																																																									
	4421470		NFULRP																																																									
	4421480		FUMH																																																									
	4421490		NFUMH																																																									
	4421495		N(FUMH.PH4)																																																									
	4421497		FUMI																																																									
	4421500		FUMMC																																																									
	4421580		(FUMMC.PH6)																																																									
	4421590		FUMMC-1																																																									
	4421600		FUMSP																																																									
	4421620		NFUMSP																																																									
	4421630		(FUMSP.PH1/F)																																																									
	4421640		N(FUMSP.PH1/F)																																																									
	4421644		(FUMSP(MC0).NFAIM.N05)																																																									
	4421650		FUMTHOVER																																																									
	4421660		FUMTSIGN																																																									
	4421680		NFUMTSIGN																																																									
	4421700		FUPLM																																																									
	4422000		FUPLW																																																									
	4421750		NFUPSM																																																									
	4421800		FUPSW																																																									
	4425150		FUS																																																									
	4425250		NFUS																																																									
	4425300		(FUS.D22.D23)																																																									
	4425320		(FUS.D22.ND23)																																																									
	4425260		NFUS-1																																																									
	4425400		FUS/1																																																									
	4425500		FUSF																																																									
	4425550		NFUSF																																																									
	4425600		(FUSF.D23)																																																									
	4425620		N(FUSF.D23)																																																									

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L											
			1	2	3	4	5	6	7	8	9	0		10	11	12	13	14	15	16	17	18	19	20
1	2345678	9	10	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
	4425100			(FUSF.NP31)																				
	4425650			(FUSF.PH8)																				
	4425670			FUSF/1																				
	4425700			FUSIO																				
	4425710			NFUSIO																				
	4425800			NFUSTD																				
	4425850			(FUSTH.ENDE)																				
	4425900			FUWAIT																				
	4426000			FUXW																				
	4426100			NFUXW/1																				
	4460100			FZ																				
	4460101			NFZ																				
	4460102			S/FZ																				
	4460107			R/FZ																				
	4460109			C/FZ																				
	4460120			FZ/L																				
	1002500			G0																				
	1002450			G00																				
	4500100			G0003																				
	4500150			G0407																				
	4500200			G0811																				
	1012500			G1																				
	1102500			G10																				
	1112500			G11																				
	1122500			G12																				
	4500250			G1215																				
	1132500			G13																				
	1142500			G14																				
	1152500			G15																				
	1162500			G16																				
	4500300			G1619																				
	1172500			G17																				
	1182500			G18																				
	1192500			G19																				
	1022500			G2																				
	1202500			G20																				
	4500350			G2023																				
	1212500			G21																				
	1222500			G22																				
	1232500			G23																				
	1242500			G24																				
	4500400			G2427																				
	1252500			G25																				
	1262500			G26																				
	1272500			G27																				
	1282500			G28																				
	4500450			G2831																				
	1292500			G29																				
	1032500			G3																				
	1302500			G30																				
	1312500			G31																				

CODE	LINE NO.	CHK	LOGIC EQUATIONS / PINS / REMARKS										C/L										
			1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10
	4791121		GND2221																				
	4791122		GND2222																				
	4791123		GND2223																				
	4791124		GND2224																				
	4791125		GND2225																				
	4791126		GND2226																				
	4791127		GND2227																				
	4791128		GND2228																				
	4791129		GND2229																				
	4791130		GND2230																				
	4791131		GND2231																				
	4791132		GND2232																				
	4791201		GND2301																				
	4791202		GND2302																				
	4791203		GND2303																				
	4791204		GND2304																				
	4791205		GND2305																				
	4791206		GND2306																				
	4791207		GND2307																				
	4791208		GND2308																				
	4791209		GND2309																				
	4791210		GND2310																				
	4791211		GND2311																				
	4791212		GND2312																				
	4791213		GND2313																				
	4791214		GND2314																				
	4791215		GND2315																				
	4791216		GND2316																				
	4791217		GND2317																				
	4791218		GND2318																				
	4791219		GND2319																				
	4791220		GND2320																				
	4791221		GND2321																				
	4791222		GND2322																				
	4791223		GND2323																				
	4791224		GND2324																				
	4791225		GND2325																				
	4791226		GND2326																				
	4791227		GND2327																				
	4791228		GND2328																				
	4791229		GND2329																				
	4791230		GND2330																				
	4791231		GND2331																				
	4791232		GND2332																				
	4791301		GND2401																				
	4791302		GND2402																				
	4791303		GND2403																				
	4791304		GND2404																				
	4791305		GND2405																				
	4791306		GND2406																				
	4791307		GND2407																				
1	2345678	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10

CODE	LINE NO.	CHK	LOGIC EQUATIONS										PINS										REMARKS	C/L																																																											
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			30	31	32	33	34	35	36	37	38	39	40	50	51	52	53	54	55	56	57	58	59	60	70	71	72	73	74	75	76	77	78	79	80																										
	4791427		GND2527																																																																																
	4791428		GND2528																																																																																
	4791429		GND2529																																																																																
	4791430		GND2530																																																																																
	4791431		GND2531																																																																																
	4791432		GND2532																																																																																
	4791501		GND2601																																																																																
	4791502		GND2602																																																																																
	4791503		GND2603																																																																																
	4791504		GND2604																																																																																
	4791505		GND2605																																																																																
	4791506		GND2606																																																																																
	4791507		GND2607																																																																																
	4791508		GND2608																																																																																
	4791509		GND2609																																																																																
	4791510		GND2610																																																																																
	4791511		GND2611																																																																																
	4791512		GND2612																																																																																
	4791513		GND2613																																																																																
	4791514		GND2614																																																																																
	4791515		GND2615																																																																																
	4791516		GND2616																																																																																
	4791517		GND2617																																																																																
	4791518		GND2618																																																																																
	4791519		GND2619																																																																																
	4791520		GND2620																																																																																
	4791521		GND2621																																																																																
	4791522		GND2622																																																																																
	4791523		GND2623																																																																																
	4791524		GND2624																																																																																
	4791525		GND2625																																																																																
	4791526		GND2626																																																																																
	4791527		GND2627																																																																																
	4791528		GND2628																																																																																
	4791529		GND2629																																																																																
	4791530		GND2630																																																																																
	4791531		GND2631																																																																																
	4791532		GND2632																																																																																
	4791601		GND2701																																																																																
	4791602		GND2702																																																																																
	4791603		GND2703																																																																																
	4791604		GND2704																																																																																
	4791605		GND2705																																																																																
	4791606		GND2706																																																																																
	4791607		GND2707																																																																																
	4791608		GND2708																																																																																
	4791609		GND2709																																																																																
	4791610		GND2710																																																																																
	4791611		GND2711																																																																																
	4791612		GND2712																																																																																
	4791613		GND2713																																																																																

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L		
1	2 3 4 5 6 7 8	9	10 1 2 3 4 5 6 7 8 9	20 2 3 4 5 6 7 8 9	30 2 3 4 5 6 7 8 9	40 2 3 4 5 6 7 8 9	50 2 3 4 5 6 7 8 9	60 2 3 4 5 6 7 8 9	70
5156709			C/N1OPH3						
5156750			(1OPH3.SW10)						
5156755			(1OPH3.SW11)						
5156760			(1OPH3.SW12)						
5156765			(1OPH3.SW13)						
5156770			(1OPH3.SW14)						
5156775			(1OPH3.SW15)						
5156777			N(1OPH3.SW15)						
5156740			(1OPH3.SW8)						
5156745			(1OPH3.SW9)						
5156730			(S/1OPH3)						
5156870			IOPOP						
5156880			N1OPOP						
5156890			N(IOPOP.IOPADD)						
5156898			IOPXFNC						
5156900			IOR						
5156910			N1OR						
5156911			/1OR/						
5156950			IORB						
5158100			IOSC						
5158101			N1OSC						
5158102			S/IOSC						
5158107			R/IOSC						
5158120			C/IOSC						
5158130			(S/IOSC)						
5158800			IOTRIN						
5158850			N1OTRIN						
5159501			IOWD						
5159500			N1OWD						
5159502			S/N1OWD						
5159507			R/N1OWD						
5159509			C/N1OWD						
5159530			(S/IOWD)						
1002660			IP0						
1002661			NIP0						
1002662			S/IP0						
1002664			R/IP0						
1002666			E/IP0						
1002667			C/IP0						
1012660			IP1						
1012661			NIP1						
1012662			S/IP1						
1012664			R/IP1						
1012666			E/IP1						
1012667			C/IP1						
1102660			IP10						
1102661			NIP10						
1102662			S/IP10						
1102664			R/IP10						
1102666			E/IP10						
1102667			C/IP10						

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
	1052680			IS5												
	1052681			NIS5												
	1052682			S/IS5												
	1052684			R/IS5												
	1052686			E/IS5												
	1052687			C/IS5												
	1062680			IS6												
	1062682			S/IS6												
	1062684			R/IS6												
	1062686			E/IS6												
	1062687			C/IS6												
	1062695			NIS6-1												
	1072680			IS7												
	1072681			NIS7												
	1072682			S/IS7												
	1072684			R/IS7												
	1072686			E/IS7												
	1072687			C/IS7												
	1082680			IS8												
	1082682			S/IS8												
	1082684			R/IS8												
	1082686			E/IS8												
	1082687			C/IS8												
	1092680			IS9												
	1092681			NIS9												
	1092682			S/IS9												
	1092684			R/IS9												
	1092686			E/IS9												
	1092687			C/IS9												
	5173002			NISIN0												
	5173005			NISIN1												
	5173050			NISIN10												
	5173055			NISIN11												
	5173060			NISIN12												
	5173065			NISIN13												
	5173070			NISIN14												
	5173075			NISIN15												
	5173010			NISIN2												
	5173015			NISIN3												
	5173020			NISIN4												
	5173025			NISIN5												
	5173030			NISIN6												
	5173035			NISIN7												
	5173040			NISIN8												
	5173045			NISIN9												
	5173102			NISNIP0												
	5173105			NISNIP1												
	5173150			NISNIP10												
	5173155			NISNIP11												
	5173160			NISNIP12												
	5173165			NISNIP13												

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12	
	5386000														
	5394000														
	5394004														
	5415300														
	5415350														
	5415355														
	5415400														
	5424900														
	5415360														
	5425100														
	5424800														
	5425300														
	5425400														
	5538100														
	5426000														
	5538200														
	5426010														
	5528000														
	5529050														
	5529060														
	5529100														
	1003050														
	1013050														
	1103050														
	1113050														
	1123050														
	1133050														
	1143050														
	1153050														
	1163050														
	1173050														
	1183050														
	1193050														
	1023050														
	1203050														
	1213050														
	1223050														
	1233050														
	1243050														
	1253050														
	1263050														
	1273050														
	1283050														
	1293050														
	1033050														
	1303050														
	1313050														
	1043050														
	1053050														
	1063050														
	1073050														

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS	C/L	
			1	2	3	4	5	6	7	8	9			10	11	12	13	14	15
	1074550													
	6554100													
	6630000													
	6630140													
	6630150													
	6630200													
	6630220													
	6630300													
	6630400													
	6630500													
	6630510													
	6630600													
	6630700													
	6630710													
	6630800													
	6630900													
	6631000													
	6631010													
	6631100													
	6631200													
	6631300													
	6640000													
	6640100													
	6631400													
	6631500													
	6631600													
	6650000													
	6650010													
	6651010													
	6651000													
	6691000													
	6691100													
	6691110													
	6691140													
	6691700													
	6692500													
	6720000													
	6720010													
	6720100													
	6720150													
	6720200													
	6720300													
	6720400													
	6720420													
	6720500													
	6720600													
	6720700													
	6720710													
	6733075													
	6733050													
	6733100													

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L	
			10	20	30	40	50	60	70	80	90	00	10	20		30
	1214900		P21													
	1214902		NP21													
	1214904		S/P21													
	1214914		R/P21													
	1214918		C/P21													
	6802100		(P21 . P22+PUC20)													
	6802120		N(P21 . P22)													
	1214940		P21-1													
	1214990		P21/L													
	1224900		P22													
	1224902		NP22													
	1224904		S/P22													
	1224914		R/P22													
	1224918		C/P22													
	1224940		P22-1													
	1224990		P22/L													
	1234900		P23													
	1234902		NP23													
	1234904		S/P23													
	1234914		R/P23													
	1234918		C/P23													
	1234940		P23-1													
	1234990		P23/L													
	6802300		P2325W													
	6802340		P2329Z													
	1244900		P24													
	1244902		NP24													
	1244904		S/P24													
	1244914		R/P24													
	1244918		C/P24													
	1244940		P24-1													
	1244990		P24/L													
	1254900		P25													
	1254902		NP25													
	1254904		S/P25													
	1254914		R/P25													
	1254918		C/P25													
	1254940		P25-1													
	1254990		P25/L													
	1264900		P26													
	1264902		NP26													
	1264904		S/P26													
	1264914		R/P26													
	1264918		C/P26													
	1264930		(S/P26)													
	1264940		P26-1													
	1264990		P26/L													
	6802600		P2629W													
	6802640		P2629Z													
	1274900		P27													
	1274902		NP27													

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS			C/L				
			10	20	30	40	50	60	70							
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
	6845807			R/PH8												
	6845809			C/PH8												
	6845855			PH8-B												
	6845888			PH8/L												
	6845890			PH8/LP												
	6845900			PH9												
	6845901			NPH9												
	6845902			S/PH9												
	6845907			R/PH9												
	6845909			C/PH9												
	6845955			PH9-B												
	6845970			PH9-D												
	5153000			POFF												
	6884155			/POKC/												
	6885000			PON												
	6886000			NPON												
	6887000			PONEN												
	6900040			PR												
	1005500			PR0												
	1005480			PR00												
	1005460			PR000												
	6900100			PR0003												
	6900120			PR0015												
	6900140			PR0407												
	6900160			PR0811												
	1015500			PR1												
	1105500			PR10												
	1115500			PR11												
	1125500			PR12												
	6900180			PR1215												
	1135500			PR13												
	1145500			PR14												
	1155500			PR15												
	1165500			PR16												
	6900200			PR1619												
	6900220			PR1631												
	1175500			PR17												
	1185500			PR18												
	1195500			PR19												
	1025500			PR2												
	1205500			PR20												
	6900240			PR2023												
	1215500			PR21												
	1225500			PR22												
	1235500			PR23												
	1245500			PR24												
	6900260			PR2427												
	1255500			PR25												
	1265500			PR26												
	1275500			PR27												
	1285500			PR28												
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS										C/L													
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20			
	7341010		REIP3																							
	7341020		REIP5																							
	7341030		REIP7																							
	7341040		REIP9																							
	7342000		REN-1																							
	7342010		REN-2																							
	7343000		RESET																							
	7343100		NRESET																							
	7343110		RESET-1																							
	7343120		NRESET-1																							
	7343050		RESET-2																							
	7343140		RESET/A																							
	7343145		NRESET/A																							
	7343170		RESET/A-1																							
	7343150		NRESET/A-1																							
	7343200		RESET/B																							
	7343221		N(RESET/B.NIOCON.NMRC)																							
	7343300		RESET/C																							
	7343223		NRESET/C																							
	7343225		NRESET/F																							
	7343230		RESET/KS																							
	7343255		RESET/O																							
	7343257		NRESET/O																							
	7343160		(NRESET/O.NFAST)																							
	7343350		NRES/O																							
	7343370		NRESIPH/O																							
	7344100		REU																							
	7362500		R/O																							
	7362530		/R/O/																							
	7362560		/R/O1/																							
	7394000		K/RPOB/O																							
	1006220		W/RPOB/O																							
	1016220		W/RPOB/1																							
	7394002		L/RPOB/1																							
	1026220		W/RPOB/2																							
	7394004		L/RPOB/2																							
	1036220		W/RPOB/3																							
	7394006		L/RPOB/3																							
	1046220		W/RPOB/4																							
	7394008		L/RPOB/4																							
	1056220		W/RPOB/5																							
	7394010		L/RPOB/5																							
	1066220		W/RPOB/6																							
	1076220		W/RPOB/7																							
	7394020		K/RPOB1																							
	7394022		L/RPOB1/1																							
	1106220		W/RPOB1/10																							
	1116220		W/RPOB1/11																							
	1126220		W/RPOB1/12																							
	1136220		W/RPOB1/13																							
	1146220		W/RPOB1/14																							

CODE	LINE NO.	CHK	LOGIC			EQUATIONS			PINS			REMARKS			C/L
1	2 3 4 5 6 7 8 9	10	10	12 3 4 5 6 7 8 9	20	2 3 4 5 6 7 8 9	30	2 3 4 5 6 7 8 9	40	2 3 4 5 6 7 8 9	50	2 3 4 5 6 7 8 9	60	2 3 4 5 6 7 8 9 70	
	1236224		W/RP282	23											
	7394246		L/RP282	3											
	7394248		L/RP282	4											
	7394250		L/RP282	5											
	7394260		K/RP283												
	7394262		L/RP283	1											
	7394264		L/RP283	2											
	1246224		W/RP283	24											
	1256224		W/RP283	25											
	1266224		W/RP283	26											
	1276224		W/RP283	27											
	1286224		W/RP283	28											
	1296224		W/RP283	29											
	7394266		L/RP283	3											
	1306224		W/RP283	30											
	1316224		W/RP283	31											
	7394268		L/RP283	4											
	7394270		L/RP283	5											
	7394300		K/RP380												
	1006226		W/RP380	0											
	1016226		W/RP380	1											
	7394302		L/RP380	1											
	1026226		W/RP380	2											
	7394304		L/RP380	2											
	1036226		W/RP380	3											
	7394306		L/RP380	3											
	1046226		W/RP380	4											
	7394308		L/RP380	4											
	1056226		W/RP380	5											
	7394310		L/RP380	5											
	1066226		W/RP380	6											
	1076226		W/RP380	7											
	7394320		K/RP381												
	7394322		L/RP381	1											
	1106226		W/RP381	10											
	1116226		W/RP381	11											
	1126226		W/RP381	12											
	1136226		W/RP381	13											
	1146226		W/RP381	14											
	1156226		W/RP381	15											
	7394324		L/RP381	2											
	7394326		L/RP381	3											
	7394328		L/RP381	4											
	7394330		L/RP381	5											
	1086226		W/RP381	8											
	1096226		W/RP381	9											
	7394340		K/RP382												
	7394342		L/RP382	1											
	1166226		W/RP382	16											
	1176226		W/RP382	17											
	1186226		W/RP382	18											



XEROX DATA SYSTEMS

SIGMA 5 CPU

106
133263-100 AC
10/27/71

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2 3 4 5 6 7 8	9	10 1 2 3 4 5 6 7 8 9	20 1 2 3 4 5 6 7 8 9	30 1 2 3 4 5 6 7 8 9	40 1 2 3 4 5 6 7 8 9	50 1 2 3 4 5 6 7 8 9	60 1 2 3 4 5 6 7 8 9	70
	1196226		W/RP382/19						
	7394344		L/RP382/2						
	1206226		W/RP382/20						
	1216226		W/RP382/21						
	1226226		W/RP382/22						
	1236226		W/RP382/23						
	7394346		L/RP382/3						
	7394348		L/RP382/4						
	7394350		L/RP382/5						
	7394360		K/RP383						
	7394362		L/RP383/1						
	7394364		L/RP383/2						
	1246226		W/RP383/24						
	1256226		W/RP383/25						
	1266226		W/RP383/26						
	1276226		W/RP383/27						
	1286226		W/RP383/28						
	1296226		W/RP383/29						
	7394366		L/RP383/3						
	1306226		W/RP383/30						
	1316226		W/RP383/31						
	7394368		L/RP383/4						
	7394370		L/RP383/5						
	7395100		RPXS						
	7400100		RQBZC						
	7400150		RQBZI						
	7400200		RQBZO						
	7400210		RQBZP						
	1006300		RR0						
	1016300		RR1						
	1106300		RR10						
	1116300		RR11						
	1126300		RR12						
	1136300		RR13						
	1146300		RR14						
	1156300		RR15						
	1166300		RR16						
	1176300		RR17						
	1186300		RR18						
	1196300		RR19						
	1026300		RR2						
	1206300		RR20						
	1216300		RR21						
	1226300		RR22						
	1236300		RR23						
	1246300		RR24						
	1256300		RR25						
	1266300		RR26						
	1276300		RR27						
	1286300		RR28						
	1296300		RR29						

1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 20 1 2 3 4 5 6 7 8 9 30 1 2 3 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 60 1 2 3 4 5 6 7 8 9 70



XEROX DATA SYSTEMS

SIGMA 5 CPU

110
133263-100 AC
10/27/71

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS			C/L
			10	20	30	40	50	60	70			
	1006520											
	1006560											
	1006480											
	7500100											
	1006460											
	7500170											
	7500300											
	7500400											
	7500770											
	7500800											
	1016500											
	1016560											
	1106500											
	1106560											
	1116500											
	1116560											
	1126500											
	1126560											
	1136500											
	1136560											
	1146500											
	1146560											
	1156500											
	7501540											
	7501500											
	1156530											
	1156560											
	1166500											
	1166560											
	7501550											
	7501570											
	7501600											
	7514100											
	1176500											
	1176560											
	1186500											
	1186560											
	1196500											
	1196560											
	1026500											
	1026560											
	1206500											
	1206560											
	1218500											
	1216560											
	1226500											
	1226560											
	1236500											
	7502340											
	1236560											
	1246500											

CODE	LINE NO.	CHK	LOGIC EQUATIONS /				PINS /				REMARKS	C/L			
			1	2	3	4	5	6	7	8					
1	2345678	9	10	123456789	20	23456789	30	123456789	40	23456789	50	23456789	60	23456789	70
	7904000			N(S/SXMA)											
	7904100			N(S/SXMD)											
	7904300			N(S/SXNA)											
	7904350			N(S/SXND)											
	7904500			NSXP											
	7904520			SXP-2											
	7904530			SXP-3											
	7987100			NSYSR											
	8010000			T11											
	8010101			T11L											
	8010100			NT11L											
	8010102			S/NT11L											
	8010116			R/NT11L											
	8010118			C/NT11L											
	8010150			N(S/T11L)											
	8010500			T5											
	8010520			T5DP											
	8010530			NT5DP											
	8010540			NT5DP/1											
	8010560			T5EN											
	8010700			T8											
	8010720			T8DP											
	8010730			NT8DP											
	8010750			T8EN											
	8010801			T8L											
	8010800			NT8L											
	8010802			S/NT8L											
	8010816			R/NT8L											
	8010818			C/NT8L											
	8010850			N(S/T8L)											
	8019100			/TDV/											
	8022100			TESTS											
	8022200			NTESTS											
	8022252			NTESTS/1											
	8031100			/T10/											
	8051000			TODATA											
	8051020			NTODATA											
	8051028			TORDIN											
	8065000			(R/TR)											
	1286600			TR28											
	1286601			NTR28											
	1286602			S/TR28											
	1286607			R/TR28											
	1286609			C/TR28											
	1286625			(S/TR28)											
	1286630			N(S/TR28)											
	1296600			TR29											
	1296601			NTR29											
	1296602			S/TR29											
	1296607			R/TR29											
	1296609			C/TR29											

SIGMA 5 CPU

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS												C/L				
			1	2	3	4	5	6	7	8	9	10	11	12					
	8132010		NVALST																
	8132100		N(NVALST.SW13)																
	8133000		VDATAIN																
	8133160		(VDATAIN+VDATAOUT)																
	8133150		N(VDATAIN+VDATAOUT)																
	8133100		(NVDATAIN.DATAIN)																
	8133500		VDATAOUT																
	8133550		(NVDATAOUT.DATAOUT)																
	8145000		VORDER																
	8145100		(VORDER.TOTRIN)																
	8145825		WAIT/L																
	8145800		WAIT/L-1																
	8161100		WCT1																
	8161101		NWCT1																
	8161102		S/WCT1																
	8161107		R/WCT1																
	8161109		C/WCT1																
	8161130		(S/WCT1)																
	8161120		(R/WCT1)																
	8161150		WCT2																
	8161151		NWCT2																
	8161152		S/WCT2																
	8161157		R/WCT2																
	8161159		C/WCT2																
	8161190		(NWCT2.WCT3)																
	8161180		(S/WCT2)																
	8161170		(R/WCT2)																
	8161200		WCT3																
	8161201		NWCT3																
	8161202		S/WCT3																
	8161207		R/WCT3																
	8161209		C/WCT3																
	8161230		(S/WCT3)																
	8161220		(R/WCT3)																
	8161250		WCT4																
	8161251		NWCT4																
	8161252		S/WCT4																
	8161257		R/WCT4																
	8161259		C/WCT4																
	8161270		(R/WCT4)																
	8161300		WCT5																
	8161301		NWCT5																
	8161302		S/WCT5																
	8161307		R/WCT5																
	8161309		C/WCT5																
	8161330		(S/WCT5)																
	8161350		WCT6																
	8161352		S/WCT6																
	8161357		R/WCT6																
	8161359		C/WCT6																
	8162000		(S/WCT6.NWCT6)																

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C L	ERROR FLAGS
1	8 15		21	21	33	37	41	77	
0044105 F2A									
0051340 INHXWD									
A00									
1000050	17P46	14.9	010	S	B		1000050	A	
	29N01	5.2	020	C	C		1000050	A	
	29M01	3.6	030	C	C		1000050	A	
	29L24	.4	040	L	.		1000065	A	
	29L18	3.6	050	L	.		1000060	A	
	28K45	4.5	055	T	T		1000050	A	
	24K11	32.2T	060	S	B		1000053	E	
A0									
1000100	03L33	3.3	010	S	FF		1000100	A	
	03M04	4.4	020	L	.		1080120	A	
	06L39	1.0	030	L	.		5156320	A	
	07L28	3.7	040	L	.		1002623	A	
	12L43	8.1	050	L	.		1090360	A	
	25L18	5.6	060	L	.		1000140	A	
	26K23	12.0	070	L	.		1040350	A	
	24M26	5.2	080	C	C		1000100	A	
	24N26	1.5	090	C	C		1000100	A	
	21N26	3.6	100	L	.		1310340	A	
	21P03	5.0	110	L	.		3060140	A	
	26P38	5.4	120	L	.		1310140	A	
	17P26	.5	130	L	.		1000050	A	
	17P31	3.6	140	L	.		1000051	A	
	14P04	2.2	150	L	.		1160118	A	
	10P11	5.1	160	L	.		4413000	A	
	11Q03	2.7	170	L	.		3060110	A	
	11Q36	1.7	180	L	.		3060208	A	
	13Q26	2.0	190	L	.		3060214	A	
	16Q31	.5	200	L	.		1240110	A	
	17Q31	77.1T	205	T	T		1000100	A	
NA0									
1000104	03L40	1.8	010	S	NFF		1000104	A	
	06L43	4.1	020	L	.		5156320	A	
	10M01	5.2	030	C	C		1000104	A	
	10N01	13.8	040	C	C		1000104	A	
	11Q39	2.6	050	L	.		3060208	A	
	06Q37	27.5T	055	T	T		1000104	A	
1000110-1									
	02L18	1.8	010	S	+		1000110	A	
	03L36	2.4	020	S	+		1000122	A	
	05L21	2.1	030	S	+		1000110	A	
	05L46	6.3T	035	S	+		1000116	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1000130-1	03L30	2.1	010	S	+		1000132	A	
	05L19	2.1T	015	S	+		1000130	A	
(S/A0/1)									
1000138	29K22	17.2	010	S	B		1000138	S	
	05L22	17.2T	015	L	.		1000126	S	
AOL									
1000150	04K20	.3	010	L	.		1070150	A	
	04K24	1.0	020	L	.		1050150	A	
	04K38	6.3	030	L	.		1010150	A	
	03L46	15.9	040	L	.		1000118	A	
	24M47	5.2	050	C	C		1000150	A	
	24N47	.8	060	C	C		1000150	A	
	26N46	.2	070	L	.		1310152	A	
	26N47	11.5	080	L	.		1290152	A	
	24Q47	5.2	090	C	C		1000150	A	
	24R47	9.7	100	C	C		1000150	A	
	05R46	56.1T	105	S	B		1000150	A	
B0									
1000300	21L05	2.1	010	L	.		1000314	A	
	22L27	1.9	020	S	FF		1000300	A	
	25L33	3.3	030	L	.		1006504	A	
	24M01	5.2	040	C	C		1000300	A	
	24N01	8.7	050	C	C		1000300	A	
	26P36	1.0	060	L	.		1310141	A	
	28P36	22.2T	065	T	T		1000300	A	
NB0									
1000304	22L28	8.5	010	S	NFF		1000304	A	
	32M03	25.0	020	C	C		1000304	A	
	03E03	8.4	030	C	C		1000304	A	
	04F39	9.7	040	L	.		1000370	A	
	14E42	9.5	050	L	.		6942406	A	
	09D17	2.8	060	L	.		6942400	A	
	14D21	6.2	070	L	.		7900050	A	
	24D37	3.0	075	L	.		3533160	C	
	30D37	2.5	080	L	.		6803290	A	
	30E01	75.6T	085	T	T		1000304	A	
1000310-1	21L18	2.9	010	S	+		1000310	A	
	22L50	2.9T	015	S	+		1000314	A	
(R/B0)									
1000340	12L36	5.8	010	S	I		1000340	A	
	22L45	1.0	020	L	.		1000330	A	
	24L45	6.8T	025	T	T		1000340	A	
N(R/B0/1)									
1000345	18L45	3.6	010	S	I		1000345	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		12L37	4.3	020	L	.	1000340	A	
		11M14	7.9T	025	T	T	1000345	A	
(S/B0)									
1000350		14K01	12.7	010	S	B	1000350	A	
		22L47	1.0	020	L	.	1000314	A	
		24L47	13.7T	025	T	T	1000350	A	
B0-1									
1000370		04F35	13.2	010	S	I	1000370	A	
		09D28	7.0	020	L	.	6825340	A	
		14E18	3.3	030	L	.	6825342	A	
		17E41	11.4	040	L	.	7904302	A	
		30D42	2.2	050	L	.	6803280	A	
		30E02	37.1T	055	T	T	1000370	A	
CO									
1000500		25L15	2.9	010	S	FB	1000500	A	
		20L09	4.6	020	L	.	1000510	A	
		29L11	2.0	030	L	.	1001252	A	
		30L31	3.0	040	L	.	1000504	A	
		30M01	12.5T	045	T	T	1000500	A	
NCO									
1000504		29C47	4.1	010	T	T	1000504	A	
		22C39	6.1	020	L	.	2842454	A	
		31C14	5.2	030	C	C	1000506	A	
		31D14	13.3	040	C	C	1000506	A	
		15E19	6.3	050	L	.	7900396	A	
		03E20	25.0	060	C	C	1000504	A	
		32M20	4.1	070	C	C	1000504	A	
		30L47	8.7	080	S	I	1000504	A	
		24M50	5.2	090	C	C	1000504	A	
		24N50	3.7	100	C	C	1000504	A	
		20N25	4.2	110	L	.	7900302	A	
		19P05	1.4	120	L	.	7900404	A	
		22P02	87.3T	125	T	T	1000504	A	
CO-1									
1000510		22P28	1.6	010	T	T	1000510	A	
		19P26	6.2	020	L	.	7900402	A	
		20N23	2.4	030	L	.	7900300	A	
		24N17	5.2	040	C	C	1000510	A	
		24M17	7.9	050	C	C	1000510	A	
		20L10	9.3	060	S	B	1000510	A	
		32K36	15.5	070	C	C	1000510	A	
		01A36	12.8	080	C	C	1000510	A	
		08C20	10.9	090	L	.	6196326	A	
		28C08	4.7	100	L	.	6902150	A	
		32C43	15.2	110	L	.	2842254	A	
		28A08	1.0	120	L	.	5110122	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		26A08	92.7T	125	T	T	1000510	A	
D000									
1001200	29L23	.0T	005	S	FF		1001200	A	I
D00									
1001250	29L28	.0T	005	S	FF		1001250	A	I
D0									
1001300	25L23	11.3	010	S	-FF		1001300	A	
	15M37	6.8	020	L	.		1001350	A	
	25M13	.5	030	L	.		1081312	A	
	24M13	5.2	040	C	C		1001300	A	
	24N13	2.4	050	C	C		1001300	A	
	25N39	6.4	060	L	.		1001336	A	
	20P21	1.0	070	L	.		1001340	A	
	22P21	33.6T	075	T	T		1001300	A	
D0-1									
1001336	25N35	13.2	010	S	B		1001336	A	
	31Q31	14.5	020	C	C		1001336	A	
	02F31	5.9	030	C	C		1001336	A	
	12F19	3.0	040	L	.		4395402	A	
	16F05	11.7	050	L	.		5151100	A	
	13010	11.1	060	L	.		7900070	A	
	25E08	1.5	070	L	.		7890640	A	
	22E08	60.9T	075	T	T		1001336	A	
ND0-1									
1001340	20P28	12.1	010	S	I		1001340	A	
	31Q45	14.5	020	C	C		1001340	A	
	02F45	17.7	030	C	C		1001340	A	
	13D18	12.0	040	L	.		7900070	A	
	29E02	12.5	050	L	.		7890846	A	
	12D18	68.8T	055	T	T		1001340	A	
ND0-2									
1001350	15M36	7.1	010	S	I		1001350	A	
	11L38	10.7	020	L	.		3510315	A	
	22M38	17.8T	025	T	T		1001350	A	
DAO									
1001360	08L22	6.9	010	S	-BCR		1001360	A	
	14K43	9.4	020	L	.		5156130	A	
	15M24	8.9	030	L	.		1001370	A	
	25L42	25.2T	035	L	.		1006506	A	
NDA0									
1001370	15M26	9.9	010	S	I		1001370	A	
	14K39	2.4	020	L	.		5156130	A	
	19K40	12.3T	025	T	T		1001370	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
D100									
1001500	09M04	3.9	010	S	-BCR		1001500	A	
	07M47	3.9T	015	L	.		1001512	A	
D100/1									
1001510	05L36	5.7	010	L	.		1000116	A	
	07M27	2.9	020	S	FF		1001510	A	
	09M01	8.6T	025	L	*		1001520	A	
ND100/1									
1001511	07M28	.0T	005	S	NFF		1001511	A	I
1001512-1	06M38	1.4	010	S	+		1001513	A	
	07M50	1.4T	015	S	+		1001512	A	
FPO									
1002100	16M17	4.2	010	S	I		1002100	A	
	17L37	2.4	020	L	.		1006560	A	
	21L31	7.2	030	L	.		1000316	A	
	31L01	.5	040	T	T		1002100	A	
	32L01	14.3T	045	C	C		1002100	A	
FR0									
1002200	03L37	3.0	010	L	.		1000118	A	
	07L20	1.6	020	L	.		1002642	A	
	10L22	4.6T	025	S	-BCR		1002200	A	
G00									
1002450	29L04	10.6	010	S	B		1002450	A	
	18M02	5.2	020	C	C		1002450	A	
	18N02	6.6	030	C	C		1002450	A	
	17P17	2.5	040	L	.		1002781	A	
	22P17	24.9T	045	T	T		1002450	A	
GO									
1002500	25L06	4.2	010	S	B		1002500	A	
	29K46	4.2T	015	L	.		4500100	A	
INO									
1002580	25R30	.0T	005	S	FF		1002580	A	I
INT0									
1002590	25S36	10.2	010	S	B		1002590	A	
	14R41	10.2T	015	L	.		1234906	A	
I0DA0									
1002620	07L29	.9	010	S	FF		1002620	A	
	08L23	.9T	015	L	*		1001380	A	
NI0DA0									
1002621	07L31	.0T	005	S	NFF		1002621	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	33	33	37	41	77	
(S/10DA0)									
1002630	26K41	13.4	010	S	B		1002630	A	
	07L23	5.0	020	L	.		1002622	A	
	05K39	18.4T	025	T	T		1002630	B	
10FR0									
1002640	04K27	.1	010	L	.		1053370	A	
	04K29	1.2	020	L	.		1063370	A	
	04K42	11.2	030	L	.		1073370	A	
	18L28	5.9	040	L	.		5155002	A	
	07L21	8.5	050	S	FF		1002640	A	
	01M25	21.0	060	C	C		1002640	A	
	01R25	.5	070	C	C		1002640	A	
	02R25	7.3	080	L	.		1164990	A	
	01S42	55.7T	085	T	T		1002640	B	
N10FR0									
1002641	04K25	.5	010	L	.		1053370	A	
	04K28	.4	020	L	.		1063370	A	
	04K34	6.3	030	L	.		1073370	A	
	07L27	3.3	040	S	NFF		1002641	A	
	11L09	2.1	050	L	.		1033370	A	
	11L37	12.6T	055	L	.		1043370	A	
IP0									
1002660	25R02	.0T	005	S	FF		1002660	A	I
IS0									
1002680	25R10	15.5	005	S	FF		1002680	A	
	14T04	15.5T	010	L	.		1002695	R	
NIS0									
1002695	14T18	16.7	010	S	I		1002695	R	
	25R08	2.3	020	L	*		1002582	R	
	20R09	19.0T	025	T	T		1002695	R	
K0									
1002750	29K26	.9	010	S	B		1002750	A	
	29K14	9.6	012	L	.		1000138	S	
	25L46	10.5T	015	L	.		1006500	A	
K00									
1002755	15N28	2.8	010	S	B		1002755	A	
	20N27	1.1	020	L	.		7900302	A	
	20N38	1.3	030	L	.		1312780	A	
	21N31	3.8	040	L	.		1310340	A	
	20P02	1.9	050	L	.		1002770	A	
	19P25	1.1	060	L	.		7900402	A	
	17P23	2.5	070	L	.		1002780	A	
	12P23	4.6	080	L	.		4375136	A	
	11Q04	10.0	090	L	.		3060108	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	14N30	5.2	100	C	C		1002755	A	
	14M30	12.1	110	C	C		1002755	A	
	29L38	5.1	120	L	.		1006480	A	
	28K46	51.5T	125	T	T		1002755	A	
NK00									
1002770	19N22	.5	010	T	T		1002770	A	
	20N22	4.3	020	L	.		7900300	A	
	19P07	.6	030	L	.		7900404	A	
	20P05	5.4T	035	S	I		1002770	A	
K00/1									
1002775	17P01	5.6	010	S	B		1002775	A	
	18N03	5.2	020	C	C		1002775	A	
	18M03	13.1	030	C	C		1002775	A	
	29K38	.5	040	L	.		4500102	A	
	28K38	24.4T	045	T	T		1002775	A	
K000									
1002780	17P02	5.6	010	S	B		1002780	A	
	18N04	5.2	020	C	C		1002780	A	
	18M04	7.6	030	C	C		1002780	A	
	29L46	2.5	040	L	.		1006460	A	
	24L46	20.9T	045	T	T		1002780	A	
K50									
1003050	17L01	9.3	010	S	-NS		1003050	A	
	02L22	9.3T	015	L	.		1000110	A	
LIN00									
1003350	22R04	9.3	010	S	-BCR		1003350	A	
	25S37	9.3T	015	L	.		1002590	A	
LOCK0									
1003600	01N43	.5	010	S	-HSM		1003600	A	
	02N43	.5	020	S	-HSM		1003601	A	
	03N43	.5	030	S	-HSM		1003602	A	
	04N43	2.2	040	S	-HSM		1003603	A	
	06N27	1.5	050	L	.		5754000	A	
	09N27	5.2T	055	T	T		1003600	A	
MBO									
1004100	12M04	9.3	010	S	-BCR		1004100	A	
	25L36	9.3T	015	L	.		1000502	A	
1004150-1	13M41	3.5	010	S	B		1004150	A	
	12M01	3.5T	015	L	*		1004150	A	
MCO									
1004200	11N33	1.5	010	S	FF		1004200	A	
	10N19	5.2	020	C	C		1004200	A	

XDS

XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-1004200
TYPE-PINLIST8
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		10M19	6.5	030	C	C	1004200	A	
		05L35	15.3	035	L	.	1000124	A	
		24K24	28.5T	040	L	.	4421644	J	
NMCO									
1004201	11N40	3.3	010	S	NFF		1004201	A	
	07N21	3.3T	015	L	.		6040100	A	
1004202-1	11N36	6.3	005	S	+		1004208	A	
	12P44	6.3T	015	S	+		1004209	J	
1004210-1	11N30	.0T	005	S	+		1004212	A	I
MFL0									
1004280	31N04	19.3	010	S	-BCR		1004280	A	
	18Q39	3.6	020	L	.		1004290	A	
	14Q17	22.9T	025	L	.		1240118	A	
PR000									
1005460	29L02	.0T	005	S	B		1005460	A	I
PR00									
1005480	29L01	11.0	010	S	B		1005480	A	
	18M05	5.2	020	C	C		1005480	A	
	18N05	7.4	030	C	C		1005480	A	
	17P24	2.5	040	L	.		1002780	A	
	22P24	26.1T	045	T	T		1005480	A	
PR0									
1005500	25L02	4.4	010	S	B		1005500	A	
	29K43	4.4T	015	L	.		4500101	A	
RR0									
1006300	05K43	.5	010	S	-HSM		1006302	A	
	06K43	.5	020	S	-HSM		1006304	A	
	07K43	.5	030	S	-HSM		1006306	A	
	08K43	.5	040	S	-HSM		1006308	A	
	09K43	.5	050	S	-HSM		1006310	A	
	10K43	.5	060	S	-HSM		1006312	A	
	11K43	.5	070	S	-HSM		1006314	A	
	12K43	1.9	080	S	-HSM		1006316	A	
	13K20	10.2	090	S	-BCR		1006300	A	
	05L37	10.1	100	L	.		1000116	A	
	25L39	5.9	110	L	.		1000502	A	
	18M01	5.2	120	C	C		1006300	A	
	18N01	15.3	130	C	C		1006300	A	
	12Q25	4.3	140	L	.		4375102	A	
	17Q01	56.4T	145	T	T		1006300	A	
1006330-1	14L28	6.3	010	S	B		1006330	A	
	13K19	6.3T	015	L	*		1006330	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
RW0									
1006340	01L13	5.6	010	T	T		1006340	B	
	05K35	.5	020	L	.		1002600	A	
	06K35	.5	030	L	.		1002602	A	
	07K35	.5	040	L	.		1002604	A	
	08K35	.5	050	L	.		1002606	A	
	09K35	.5	060	L	.		1006220	A	
	10K35	.5	070	L	.		1006222	A	
	11K35	.5	080	L	.		1006224	A	
	12K35	4.4	090	L	.		1006226	A	
	13L17	13.5T	095	S	B		1006340	A	
S000									
1006460	29L19	14.4	010	S	I		1006460	A	
	02L08	14.4T	015	L	.		1000114	A	
S00									
1006480	29L17	7.5	010	S	I		1006480	A	
	26K08	9.2	020	L	.		7500101	A	
	18L11	8.3	030	L	.		7500102	A	
	02L07	6.8	040	L	.		1000114	A	
	05M10	5.2	050	C	C		1006480	A	
	05N10	9.0	060	C	C		1006480	A	
	23N10	2.6	070	L	.		7651004	A	
	26N23	4.4	080	L	.		3060414	A	
	19N12	53.0T	085	T	T		1006480	A	
S0									
1006500	25L19	3.7	010	S	I		1006500	A	
	30L35	2.5	020	S	I		1006508	A	
	29L10	6.8	030	L	.		1001254	A	
	26K07	9.1	040	L	.		7500100	A	
	21L22	2.5	050	L	.		1000312	A	
	19L02	1.1	060	L	.		1006520	A	
	18L10	2.6	070	L	.		7500102	A	
	17L38	2.7	080	L	.		1006560	A	
	16M01	4.7	090	L	.		1002100	A	
	14L21	2.0	100	L	.		1006330	A	
	13L01	8.3	110	L	.		1006340	A	
	13M38	13.1	120	L	.		1004150	A	
	02L05	9.8	130	L	.		1000112	A	
	06M39	.5	140	L	.		1001513	A	
	05M39	5.2	150	C	C		1006500	A	
	05N39	2.3	160	C	C		1006500	A	
	01N35	.5	170	L	.		1003400	A	
	02N35	.5	180	L	.		1003401	A	
	03N35	.5	190	L	.		1003402	A	
	04N35	3.6	200	L	.		1003403	A	
	11N37	10.2	210	L	.		1004202	A	
	26N01	19.4	220	L	.		3060412	A	
	13Q30	17.8	230	L	.		3060104	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
I	8	15	21	28	33	37	41	77	
		23N03	2.0	240	L	.	7651002	A	
		19N03	131.4T	245	T	T	1006500	A	
NS0									
1006520	19L05	9.3	010	S	I		1006520	A	
	32K34	15.5	020	C	C		1006520	A	
	01A34	19.3	030	C	C		1006520	A	
	21C18	2.0	040	L	.		2841954	A	
	25C18	46.1T	045	T	T		1006520	A	
A1									
1010100	03L25	4.1	010	S	FF		1010100	A	
	03M06	4.3	020	L	.		1090120	A	
	06L38	1.7	030	L	.		5156322	A	
	07L25	3.0	040	L	.		1002623	A	
	11L08	9.2	050	L	.		1080350	A	
	24K42	4.4	060	L	.		2001400	A	
	25L24	7.4	070	L	.		1010140	A	
	18M06	5.2	080	C	C		1010100	A	
	18N06	7.2	090	C	C		1010100	A	
	14P06	9.1	100	L	.		1170118	A	
	11Q38	3.1	110	L	.		3060208	A	
	16Q30	.5	120	L	.		1250110	A	
	17Q30	59.2T	125	T	T		1010100	A	
NA1									
1010104	03L26	2.7	010	S	NFF		1010104	A	
	06L41	4.2	020	L	.		5156320	A	
	10M02	5.2	030	C	C		1010104	A	
	10N02	13.1	040	C	C		1010104	A	
	11Q30	2.5	050	L	.		3060208	A	
	06Q30	27.7T	055	T	T		1010104	A	
1010110-1	02L13	1.8	010	S	+		1010110	A	
	03L31	2.0	020	S	+		1010122	A	
	05L45	3.8T	025	S	+		1010124	A	
1010130-1	03L24	.0T	005	S	+		1010130	A	I
A1L									
1010150	04K10	2.7	010	L	.		1040150	A	
	04K45	5.8	020	S	B		1010150	A	
	03L42	10.9	030	L	.		1010118	A	
	14M43	5.2	040	C	C		1010150	A	
	14N43	6.0	050	C	C		1010150	A	
	26N43	30.6T	055	L	.		1260152	A	
B1									
1010300	21L17	1.5	010	L	.		1000310	A	
	22L31	2.7	020	S	FF		1010300	A	
	25L47	4.2T	025	L	.		1016504	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NB1									
1010304	22L26	8.8	010	S	NFF		1010304	A	
	32M05	25.0	020	C	C		1010304	A	
	03E05	5.0	030	C	C		1010304	A	
	02D15	6.1	040	L	.		2405544	A	
	05E07	8.5	050	L	.		7900036	A	
	04F40	3.0	060	L	.		1010370	A	
	10F40	56.4T	065	T	T		1010304	A	
1010310-1									
	21L13	2.8	010	S	+		1010310	A	
	22L46	2.8T	015	S	+		1010314	A	
(R/B1)									
1010340	12L01	8.1	010	S	I		1010340	A	
	22L44	1.0	020	L	.		1010330	A	
	24L44	9.1T	025	T	T		1010340	A	
N(R/B1/1)									
1010345	28F45	12.5	010	S	I		1010345	B	
	31D34	5.2	020	C	C		1010345	A	
	31C34	24.8	030	C	C		1010345	A	
	01A41	15.5	040	C	C		1010345	A	
	32K41	13.0	050	C	C		1010345	A	
	12L11	2.3	060	L	.		1010340	A	
	16L15	73.3T	065	T	T		1010345	A	
(S/B1)									
1010350	20L06	3.9	010	S	B		1010350	A	
	22L43	1.0	020	L	.		1010314	A	
	24L43	4.9T	025	T	T		1010350	A	
B1-1									
1010370	30E05	1.0	010	T	T		1010370	A	
	28E05	8.0	020	L	.		2844052	A	
	14E19	6.0	030	L	.		7900382	A	
	09D44	12.2	040	L	.		2405498	A	
	04F34	27.2T	045	S	I		1010370	A	
C1									
1010500	25L05	3.2	010	S	FB		1010500	A	
	22L24	1.0	020	L	.		1014504	A	
	24L24	4.2T	025	T	T		1010500	A	
D1									
1011300	25L28	6.8	010	S	FF		1011300	A	
	24K14	10.8	020	L	.		3511100	A	
	25M12	12.8	030	L	.		1091312	A	
	30K14	30.4T	035	L	.		1020350	A	
DA1									
1011360	08L20	6.9	010	S	-BCR		1011360	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		14K38	10.0	020	L	.	5156132	A	
		15M23	8.4	030	L	.	1011370	A	
		25L44	25.3T	035	L	.	1016506	A	
NDA1									
1011370	15M25	9.8	010	S	I		1011370	A	
	14K41	2.6	020	L	.		5156130	A	
	19K39	12.4T	025	T	T		1011370	A	
DI01									
1011500	09M06	3.5	010	S	-BCR		1011500	A	
	07M43	3.5T	015	L	.		1011512	A	
DI01/1									
1011510	05L43	5.3	010	L	.		1010116	A	
	07M31	2.9	020	S	FF		1011510	A	
	09M02	8.2T	025	L	*		1011520	A	
NDI01/1									
1011511	07M26	.0T	005	S	NFF		1011511	A	I
1011512-1	06M30	1.7	010	S	+		1011513	A	
	07M46	1.7T	015	S	+		1011512	A	
FP1									
1012100	16M05	3.6	010	S	I		1012100	A	
	17L33	1.9	020	L	.		1016560	A	
	21L30	7.1	030	L	.		1010316	A	
	31L02	.5	040	T	T		1012100	A	
	32L02	13.1T	045	C	C		1012100	A	
FR1									
1012200	03L50	5.6	010	L	.		1010118	A	
	07L02	2.8	020	L	.		1012642	A	
	10L20	8.4T	025	S	-BCR		1012200	A	
G1									
1012500	25L04	4.2	010	S	B		1012500	A	
	29K44	4.2T	015	L	.		4500101	A	
INI									
1012580	25R31	.0T	005	S	FF		1012580	A	I
NINI									
1012581	25R46	.0T	005	S	NFF		1012581	A	I
INT1									
1012590	25S01	10.1	010	S	B		1012590	A	
	14R09	10.1T	015	L	.		1244906	A	
IODA1									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1014100	12M06	9.9	010	S	-BCR		1014100	A	
	25L30	9.9T	015	L	.		1010502	A	
1014150-1	13M36	3.0	010	S	B		1014150	A	
	12M02	3.0T	015	L	*		1014150	A	
MC1									
1014200	11N25	.5	010	S	FF		1014200	A	
	10N25	5.2	020	C	C		1014200	A	
	10M25	6.4	030	C	C		1014200	A	
	05L44	12.1T	035	L	.		1010124	A	
NMC1									
1014201	11N26	2.4	010	S	NFF		1014201	A	
	07N20	2.4T	015	L	.		6040100	A	
1014202-1	11N31	.0T	005	S	+		1014202	A	I
1014210-1	11N24	.0T	005	S	+		1014210	A	I
MFL1									
1014280	31N06	19.4	010	S	-BCR		1014280	A	
	14Q15	3.5	020	L	.		1250118	A	
	18Q35	22.9T	025	L	.		1014290	A	
O1									
1014500	22L04	9.5	010	S	FF		1014500	A	
	32K14	15.5	020	C	C		1014500	A	
	01A14	2.6	030	C	C		1014500	A	
	05A22	.8	040	L	.		6720700	A	
	05A15	.9	050	L	.		6720600	A	
	05A03	.1	060	L	.		6720500	A	
	05A01	1.7	070	L	.		6720400	A	
	08A06	1.9	080	L	.		4320500	A	
	09A23	1.6	090	L	.		4320550	A	
	10A40	3.2	100	L	.		4321180	A	
	14A24	1.0	110	L	.		1014520	A	
	12A24	38.8T	115	T	T		1014500	A	
NO1									
1014502	22L05	9.5	010	S	NFF		1014502	A	
	32K15	15.5	020	C	C		1014502	A	
	01A15	1.9	030	C	C		1014502	A	
	04A22	.8	040	L	.		6720300	A	
	04A15	.9	050	L	.		6720200	A	
	04A03	.1	060	L	.		6720100	A	
	04A01	1.7	070	L	.		6720000	A	
	07A06	1.0	080	L	.		4320950	A	
	09A06	1.5	090	L	.		4321112	A	
	09A25	1.7	100	L	.		4321110	A	
	10A41	3.3	120	L	.		4421400	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	14A23	1.0	130	L	.		1014540	A	
	12A23	38.9T	135	T	T		1014502	A	
1014504-1	22L03	.0T	005	S	+		1014504	A	I
01-1									
1014520	14A26	2.4	010	S	B		1014520	A	
	10A35	3.1	020	L	.		4321927	A	
	06A46	11.1	030	L	.		4321918	A	
	27A41	.4	040	L	.		2560006	A	
	27A47	6.8	050	L	.		2560005	A	
	18B04	7.4	060	L	.		2578000	A	
	18C31	3.9	070	L	.		6902652	A	
	25C38	35.1T	075	T	T		1014520	A	
NO1-1									
1014540	14A25	6.2	010	S	B		1014540	A	
	03A15	10.2	020	L	.		4321135	A	
	12B21	7.8	030	L	.		6910002	A	
	14C44	9.3	040	L	.		2841850	A	
	23B50	1.7	050	L	.		6038040	C	
	23C01	5.2	060	C	C		1014540	A	
	23D01	6.0	070	C	C		1014540	A	
	13D15	10.8	080	L	.		3060156	A	
	14F13	11.3	090	L	.		4421434	A	
	12D15	68.5T	095	T	T		1014540	A	
PR1									
1015500	25L01	4.0	010	S	B		1015500	A	
	29K40	4.0T	015	L	.		4500101	A	
RR1									
1016300	05K41	.5	010	S	-HSM		1016302	A	
	06K41	.5	020	S	-HSM		1016304	A	
	07K41	.5	030	S	-HSM		1016306	A	
	08K41	.5	040	S	-HSM		1016308	A	
	09K41	.5	050	S	-HSM		1016310	A	
	10K41	.5	060	S	-HSM		1016312	A	
	11K41	.5	070	S	-HSM		1016314	A	
	12K41	1.6	080	S	-HSM		1016316	A	
	13K22	10.7	090	S	-BCR		1016300	A	
	05L42	10.3	100	L	.		1010116	A	
	24L35	.5	110	T	T		1016300	A	
	25L35	26.6T	115	L	.		1010502	A	
1016330-1	14L27	6.0	010	S	B		1016330	A	
	13K23	6.0T	015	L	*		1016330	A	
RW1									
1016340	01L23	6.1	010	T	T		1016340	B	
	05K34	.5	020	L	.		1012600	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		.06K34	.5	030	L	.	1012602	A	
		07K34	.5	040	L	.	1012604	A	
		08K34	.5	050	L	.	1012606	A	
		09K34	.5	060	L	.	1016220	A	
		10K34	.5	070	L	.	1016222	A	
		11K34	.5	080	L	.	1016224	A	
		12K34	3.7	090	L	.	1016226	A	
		13L05	13.3T	095	S	B	1016340	A	
SI									
1016500	25L17	2.5	010	S	I		1016500	A	
	21L20	3.0	020	L	.		1010312	A	
	17L34	3.3	030	L	.		1016560	A	
	16M02	4.7	040	L	.		1012100	A	
	14L22	2.0	050	L	.		1016330	A	
	13L02	8.0	060	L	.		1016340	A	
	13M37	12.2	070	L	.		1014150	A	
	02L17	8.5	080	L	.		1000112	A	
	06M36	.5	090	L	.		1011513	A	
	05M36	5.2	100	C	C		1016500	A	
	05N36	2.1	110	C	C		1016500	A	
	01N34	.5	120	L	.		1013400	A	
	02N34	.5	130	L	.		1013401	A	
	03N34	.5	140	L	.		1013402	A	
	04N34	4.7	150	L	.		1013403	A	
	11N50	10.8	160	L	.		1014202	A	
	13Q39	2.0	170	L	.		3060210	A	
	17Q39	71.0T	175	T	T		1016500	A	
A2									
1020100	03L19	2.1	010	S	FF		1020100	A	
	03L47	1.9	020	L	.		1000120	A	
	03M03	.3	030	L	.		1100120	A	
	03M07	4.3	040	L	.		1100120	A	
	06L36	2.4	050	L	.		5156322	A	
	07L10	6.6	060	L	.		1012622	A	
	20L08	3.7	070	L	.		1010350	A	
	26L18	8.1	080	L	.		1020140	A	
	18M07	5.2	090	C	C		1020100	A	
	18N07	6.9	100	C	C		1020100	A	
	14P03	8.4	110	L	.		1180118	A	
	16Q34	.5	120	L	.		1260110	A	
	17Q34	50.4T	125	T	T		1020100	A	
NA2									
1020104	03L21	.8	010	S	NFF		1020104	A	
	03L28	2.4	020	L	.		1000120	A	
	06L40	7.2	030	L	.		5156320	A	
	18L24	10.4T	035	L	.		5155002	A	
1020110-1	02L11	1.0	010	S	+		1020110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	03L20	2.7	020	S	+		1020120	A	
	05L01	3.7T	025	S	+		1020124	A	
1020130-1	03L17	.0T	005	S	+		1020130	A	I
A2L									
1020150	04K04	6.0	010	S	B		1020150	A	
	03L08	6.0T	015	L	.		1020118	A	
B2									
1020300	21L45	1.3	010	L	.		2500072	A	
	22L30	2.3	020	S	FF		1020300	A	
	26L33	3.6T	025	L	.		1026504	A	
NB2									
1020304	22L29	.0T	005	S	NFF		1020304	A	I
1020310-1	21L11	2.7	010	S	+		1020312	A	
	22L41	2.7T	015	S	+		1020314	A	
(S/B2)									
1020350	30K22	10.7	010	S	B		1020350	A	
	22L42	8.4	020	L	.		1020314	A	
	24K17	19.1T	025	L	B		1020352	A	
C2									
1020500	24L25	1.0	010	T	T		1020500	A	
	22L25	2.3	020	L	.		1024504	A	
	25L10	1.0	030	L	.		1011310	A	
	26L15	4.3T	035	S	FB		1020500	A	
D2									
1021300	07L44	11.3	010	L	.		1022622	A	
	26L23	4.5	020	S	FF		1021300	A	
	26M13	15.8T	025	L	.		1101312	A	
DA2									
1021360	08L18	6.9	010	S	-BCR		1021360	A	
	14K36	9.9	020	L	.		5156132	A	
	15M22	9.2	030	L	.		1021370	A	
	26L42	26.0T	035	L	.		1026506	A	
NDA2									
1021370	15M27	10.1	010	S	I		1021370	A	
	14K40	2.6	020	L	.		5156130	A	
	19K42	12.7T	025	T	T		1021370	A	
D102									
1021500	09M08	3.5	010	S	-BCR		1021500	A	
	07M42	3.5T	015	L	.		1021512	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
D102/1									
1021510	05L13	7.4	010	L	.		1020116	A	
	07M30	3.3	020	S	FF		1021510	A	
	09M03	10.7T	025	L	*		1021520	A	
ND102/1									
1021511	07M29	.0T	005	S	NFF		1021511	A	I
1021512-1	06M34	1.1	010	S	+		1021513	A	
	07M41	1.1T	015	S	+		1021512	A	
FP2									
1022100	16M19	4.6	010	S	I		1022100	A	
	17L30	2.3	020	L	.		1026560	A	
	21L34	7.6	030	L	.		1020316	A	
	31L03	.5	040	T	T		1022100	A	
	32L03	15.0T	045	C	C		1022100	A	
FR2									
1022200	03L06	2.1	010	L	.		1020118	A	
	07L04	2.5	020	L	.		1022642	A	
	10L18	4.6T	025	S	-BCR		1022200	A	
G2									
1022500	26L06	3.4	010	S	B		1022500	A	
	29K50	3.4T	015	L	.		4500101	A	
IN2									
1022580	26R30	.0T	005	S	FF		1022580	A	I
INT2									
1022590	28S37	14.4	010	S	B		1022590	A	
	14R10	14.4T	015	L	.		1254906	A	
I0DA2									
1022620	07L37	2.1	010	S	FF		1022620	A	
	08L15	2.1T	015	L	*		1021380	A	
N10DA2									
1022621	07L39	.0T	005	S	NFF		1022621	A	I
I0FR2									
1022640	07L07	5.1	010	S	FF		1022640	A	
	04K30	10.6	020	L	.		1063370	A	
	01M15	21.0	030	C	C		1022640	A	
	01R15	.5	040	C	C		1022640	A	
	02R15	2.0	050	L	.		1184990	A	
	06R15	39.2T	055	T	T		1022640	A	
N10FR2									
1022641	07L15	.0T	005	S	NFF		1022641	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
IP2 1022660	26R02	.0T	005	S	FF		1022660	A	I
IS2 1022680	26R10	12.9	010	S	FF		1022680	A	
	01R04	21.0	020	C	C		1022680	A	
	01M04	8.0	030	C	C		1022680	A	
	02K47	41.9T	035	L	.		3281010	A	
K2 1022750	29K25	8.6	010	S	B		1022750	A	
	26L46	8.6T	015	L	.		1026500	A	
KS2 1023050	17L03	9.0	010	S	-NS		1023050	A	
	02L23	9.0T	015	L	.		1020110	A	
LIN02 1023350	22R08	11.1	010	S	-BCR		1023350	A	
	28S45	11.1T	015	L	.		1022590	A	
LOCK2 1023600	01N09	.5	010	S	-HSM		1023600	A	
	02N09	.5	020	S	-HSM		1023601	A	
	03N09	.5	030	S	-HSM		1023602	A	
	04N09	2.0	040	S	-HSM		1023603	A	
	06N24	1.5	050	L	.		5754000	A	
	09N24	5.0T	055	T	T		1023600	A	
MB2 1024100	12M08	10.1	010	S	-BCR		1024100	A	
	26L36	10.1T	015	L	.		1020502	A	
1024150-1	13M17	1.5	010	S	B		1024150	A	
	12M03	1.5T	015	L	*		1024150	A	
MC2 1024200	29K13	17.6	005	L	.		1000138	S	
	05L14	10.2	010	L	.		1020124	A	
	14M19	5.2	020	C	C		1024200	A	
	14N19	1.5	030	C	C		1024200	A	
	11N19	8.4	040	S	FF		1024200	A	
	17P21	42.9T	045	L	.		1002775	A	
NMC2 1024201	07N29	2.6	010	L	.		6040100	A	
	11N21	.8	020	S	NFF		1024201	A	
	11N28	3.4T	025	L	.		1004206	A	
1024202-1	11N20	.0T	005	S	+		1024202	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1024210-1	11N17	.0T	005	S	+		1024210	A	I
MFL2									
1024280	31N36	16.5	010	S	-BCR		1024280	A	
	14Q07	3.8	020	L	.		1260118	A	
	18Q31	20.3T	025	L	.		1024290	A	
02									
1024500	10F46	3.8	010	T	T		1024500	A	
	06F22	12.0	020	L	.		4384020	A	
	03D22	5.2	030	C	C		1024500	A	
	03C22	13.5	040	C	C		1024500	A	
	09A22	1.6	050	L	.		4320550	A	
	08A05	2.7	060	L	.		4320500	A	
	05A18	.5	070	L	.		6720600	A	
	05A23	.5	080	L	.		6720700	A	
	04A23	.5	090	L	.		6720300	A	
	04A18	1.4	100	L	.		6720200	A	
	01A17	15.5	110	C	C		1024500	A	
	32K17	18.2	120	C	C		1024500	A	
	16M13	8.8	130	L	.		1024550	A	
	22L02	84.2T	135	S	FF		1024500	A	
N02									
1024502	06E25	2.5	010	T	T		1024502	A	
	11E25	7.0	020	L	.		8019100	A	
	11D01	5.2	030	C	C		1024502	A	
	11C01	6.3	040	C	C		1024502	A	
	15B13	6.2	050	L	.		2405354	A	
	14A08	4.2	060	L	.		4321145	A	
	10A38	1.2	070	L	.		4321180	A	
	09A27	1.6	080	L	.		4321110	A	
	09A05	2.2	090	L	.		4321112	A	
	05A04	.1	100	L	.		6720500	A	
	05A02	.5	110	L	.		6720400	A	
	04A02	.1	120	L	.		6720000	A	
	04A04	2.5	130	L	.		6720100	A	
	01A18	15.5	140	C	C		1024502	A	
	32K18	10.2	150	C	C		1024502	A	
	22L21	65.3T	155	S	NFF		1024502	A	
1024504-1	22L18	.0T	005	S	+		1024504	A	I
N02-FP									
1024550	16M15	11.3	010	S	I		1024550	A	
	32L41	11.3T	015	C	C		1024550	A	
PR2									
1025500	26L02	4.2	010	S	B		1025500	A	
	29K39	4.2T	015	L	.		4500102	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
RR2									
1026300	05K09	.5	010	S	-HSM		1026302	A	
	06K09	.5	020	S	-HSM		1026304	A	
	07K09	.5	030	S	-HSM		1026306	A	
	08K09	.5	040	S	-HSM		1026308	A	
	09K09	.5	050	S	-HSM		1026310	A	
	10K09	.5	060	S	-HSM		1026312	A	
	11K09	.5	070	S	-HSM		1026314	A	
	12K09	1.8	080	S	-HSM		1026316	A	
	13K27	8.0	090	S	-BCR		1026300	A	
	05L11	11.6	100	L	.		1020116	A	
	24L39	1.0	110	T	T		1026300	A	
	26L39	25.9T	115	L	.		1020502	A	
1026330-1	14L25	5.7	010	S	B		1026330	A	
	13K25	5.7T	015	L	*		1026330	A	
RW2									
1026340	16L33	11.8	010	T	T		1026340	B	
	05K19	.5	020	L	.		1022600	A	
	06K19	.5	030	L	.		1022602	A	
	07K19	.5	040	L	.		1022604	A	
	08K19	.5	050	L	.		1022606	A	
	09K19	.5	060	L	.		1026220	A	
	10K19	.5	070	L	.		1026222	A	
	11K19	.5	080	L	.		1026224	A	
	12K19	5.7	090	L	.		1026226	A	
	13L19	9.2	100	S	B		1026340	A	
	24K36	30.2T	105	S	B		1026342	A	
S2									
1026500	26L19	2.8	010	S	B		1026502	A	
	21L23	6.1	020	L	.		1020312	A	
	20M24	3.4	030	L	.		8180102	A	
	16M03	3.6	040	L	.		1022100	A	
	17L28	1.7	050	L	.		1026560	A	
	14L23	2.0	060	L	.		1026330	A	
	13L03	5.1	070	L	.		1026340	A	
	13M01	7.4	080	L	.		1024150	A	
	02L45	6.3	090	L	.		1010112	A	
	06M33	1.5	100	L	.		1021513	A	
	05M19	5.2	110	C	C		1026500	A	
	05N19	2.0	120	C	C		1026500	A	
	01N19	.5	130	L	.		1023400	A	
	02N19	.5	140	L	.		1023401	A	
	03N19	.5	150	L	.		1023402	A	
	04N19	4.2	160	L	.		1023403	A	
	11N06	12.3	170	L	.		1024202	A	
	13Q15	2.0	180	L	.		3060304	A	
	17Q15	67.1T	185	T	T		1026500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
A3									
1030100	03L05	3.0	010	S	FF		1030100	A	
	03L45	2.2	020	L	.		1000120	A	
	03M05	.6	030	L	.		1110120	A	
	03M10	4.2	040	L	.		1110120	A	
	06L47	2.6	050	L	.		5156330	A	
	09L28	1.5	060	L	.		1032624	A	
	11L25	13.5	070	L	.		1030350	A	
	27K21	6.2	080	L	.		2001690	A	
	26L24	8.0	090	L	.		1030140	A	
	18M08	5.2	100	C	C		1030100	A	
	18N08	6.7	110	C	C		1030100	A	
	14P05	7.8	120	L	.		1190118	A	
	16Q28	.5	130	L	.		1270110	A	
	17Q28	62.0T	135	T	T		1030100	A	
NA3									
1030104	03L22	.5	010	S	NFF		1030104	A	
	03L27	2.5	020	L	.		1000120	A	
	06L42	7.7	030	L	.		5156330	A	
	18L23	10.7T	035	L	.		5155002	A	
1030110-1	02L38	2.4	010	S	+		1030110	A	
	03L12	1.9	020	S	+		1030118	A	
	05L03	4.3T	025	S	+		1030110	A	
1030130-1	03L03	.0T	005	S	+		1030130	A	I
A3L									
1030150	04K14	5.7	010	L	.		1020150	A	
	03L14	8.3	020	L	.		1030118	A	
	01M45	21.0	030	C	C		1030150	A	
	01R45	2.0	040	C	C		1030150	A	
	05R45	37.0T	045	S	B		1030150	A	
B3									
1030300	21L44	1.6	010	L	.		2500072	A	
	22L33	3.0	020	S	FF		1030300	A	
	26L47	4.6T	025	L	.		1036504	A	
NB3									
1030304	22L34	.0T	005	S	NFF		1030304	A	I
1030310-1	21L38	.7	010	S	+		1030310	A	
	22L39	.7T	015	S	+		1030310	A	
(S/B3)									
1030350	11L33	5.6	010	S	B		1030350	A	
	22L35	6.5	020	L	.		1030314	A	
	26K45	3.2	030	L	.		1002630	A	
	28K15	15.3T	035	T	T		1030350	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
C3									
1030500	28K33	1.0	010	T	T		1030500	A	
	26K33	5.6	020	L	.		5145800	A	
	22L08	2.5	030	L	.		1034504	A	
	26L05	9.1T	035	S	FB		1030500	A	
D3									
1031300	11L27	7.4	010	L	.		1030350	A	
	26L28	4.0	020	S	FF		1031300	A	
	26M12	11.4T	025	L	.		1111312	A	
DA3									
1031360	14K42	5.8	010	L	.		5156150	A	
	08L13	9.3	020	S	-BCR		1031360	A	
	15M21	8.7	030	L	.		1031370	A	
	26L44	23.8T	035	L	.		1036506	A	
NDA3									
1031370	15M28	9.4	010	S	I		1031370	A	
	14K47	2.4	020	L	.		5156150	A	
	19K44	11.8T	025	T	T		1031370	A	
D103									
1031500	09M10	2.6	010	S	-BCR		1031500	A	
	07M35	2.6T	015	L	.		1031512	A	
D103/1									
1031510	05L06	8.4	010	L	.		1030116	A	
	07M33	2.8	020	S	FF		1031510	A	
	09M09	11.2T	025	L	*		1031520	A	
ND103/1									
1031511	07M34	.0T	005	S	NFF		1031511	A	I
1031512-1	06M41	.6	010	S	+		1031513	A	
	07M39	.6T	015	S	+		1031512	A	
FP3									
1032100	16M18	5.5	010	S	I		1032100	A	
	17L25	2.1	020	L	.		1036560	A	
	21L28	6.8	030	L	.		1030316	A	
	31L04	.5	040	T	T		1032100	A	
	32L04	14.9T	045	C	C		1032100	A	
FR3									
1032200	03L07	3.8	010	L	.		1030118	A	
	09L20	1.3	020	L	.		1032642	A	
	10L13	5.1T	025	S	-BCR		1032200	A	
G3									
1032500	26L04	3.8	010	S	B		1032500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		29K47	3.8T	015	L	.	4500102	A	
IN3 1032580	26R31	.0T	005	S	FF		1032580	A	I
NIN3 1032581	26R46	.0T	005	S	NFF		1032581	A	I
INT3 1032590	28S33	10.5	010	S	B		1032590	A	
	16R44	10.5T	015	L	.		1264906	A	
IODA3 1032620	09L29	1.9	010	S	FF		1032620	A	
	08L12	1.9T	015	L	*		1031380	A	
NIODA3 1032621	09L31	.0T	005	S	NFF		1032621	A	I
IOFR3 1032640	04K43	6.1	010	L	.		1073370	A	
	09L21	2.3	020	S	FF		1032640	A	
	11L03	12.5	030	L	.		1033370	A	
	01M33	21.0	040	C	C		1032640	A	
	01R33	.5	050	C	C		1032640	A	
	02R33	9.8	060	L	.		1194990	A	
	05T06	52.2T	065	T	T		1032640	B	
NI0FR3 1032641	09L27	.0T	005	S	NFF		1032641	A	I
IP3 1032660	26R21	9.6	010	S	FF		1032660	A	
	20S39	9.6T	015	L	.		1032668	A	
NIP3-1 1032668	20S35	3.0	010	S	I		1032668	A	
	25S24	1.0	020	L	.		7840090	A	
	27S24	4.0T	025	T	T		1032668	A	
IS3 1032680	26R13	6.5	010	S	FF		1032680	A	
	25S23	18.6	020	L	.		7840090	A	
	01R06	21.0	030	C	C		1032680	A	
	01M06	9.4	040	C	C		1032680	A	
	02K31	55.5T	045	L	.		3282010	A	
NIS3 1032681	26R18	.0T	005	S	NFF		1032681	A	I
1032687-1	26R20	.6	010	C	C		1032687	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	26R12	.6T	015	C	C		1032687	A	
K3									
1032750	28K42	.5	010	T	T		1032750	A	
	29K42	6.4	020	L	.		1002752	A	
	26L38	8.3	030	L	.		1036500	A	
	18M26	5.2	040	C	C		1032750	A	
	18N26	1.5	050	C	C		1032750	A	
	15N26	21.9T	055	S	B		1032750	A	
KS3									
1033050	17L04	8.8	010	S	-NS		1033050	A	
	02L25	8.8T	015	L	.		1030110	A	
LIN03									
1033350	22R10	9.4	010	S	-BCR		1033350	A	
	28S26	9.4T	015	L	.		1032590	A	
LI03									
1033370	11L02	4.1	010	S	B		1033370	A	
	19L04	4.9	020	L	.		1033374	A	
	21K22	.5	030	L	.		5140322	A	
	20K22	6.0	040	L	.		5140422	A	
	08K22	.5	050	L	.		5140402	A	
	07K22	11.8	060	L	.		5140302	A	
	01M03	21.0	070	C	C		1033370	A	
	01R03	7.5	080	C	C		1033370	A	
	03S22	.5	090	L	.		5140342	A	
	04S22	5.7	100	L	.		5140442	A	
	03T22	.5	110	L	.		5140382	A	
	04T22	1.5	120	L	.		5140482	A	
	07T22	.5	130	L	.		5140362	A	
	08T22	4.7	140	L	.		5140462	A	
	14T43	9.2	150	L	.		1033384	A	
	01T07	78.9T	155	T	T		1033370	B	
NLI03									
1033374	19L18	6.9	010	S	I		1033374	A	
	23K22	.5	020	L	.		5140122	A	
	22K22	8.0	030	L	.		5140222	A	
	06K22	.5	040	L	.		5140202	A	
	05K22	6.1	050	L	.		5140102	A	
	01L11	22.0T	055	T	T		1033374	A	
NLI03-1									
1033384	14T45	13.6	010	S	I		1033384	A	
	01S22	.5	020	L	.		5140142	A	
	02S22	5.7	030	L	.		5140242	A	
	01T22	.5	040	L	.		5140182	A	
	02T22	1.5	050	L	.		5140282	A	
	05T22	.5	060	L	.		5140162	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		06T22	3.6	070	L	.	5140262	A	
		01T05	25.9T	075	T	T	1033384	B	
LOCK3									
1033600	01N02	.5	010	S	-HSM		1033600	A	
	02N02	.5	020	S	-HSM		1033601	A	
	03N02	.5	030	S	-HSM		1033602	A	
	04N02	4.5	040	S	-HSM		1033603	A	
	06N47	1.5	050	L	.		5754010	A	
	09N47	7.5T	055	T	T		1033600	A	
MB3									
1034100	12M10	10.7	010	S	-BCR		1034100	A	
	26L30	10.7T	015	L	.		1030502	A	
1034150-1	13M05	.8	010	S	B		1034150	A	
	12M09	.8T	015	L	*		1034150	A	
MC3									
1034200	11N05	.5	010	S	FF		1034200	A	
	10N05	5.2	020	C	C		1034200	A	
	10M05	7.7	030	C	C		1034200	A	
	05L05	13.4T	035	L	.		1030124	A	
NMC3									
1034201	07N19	2.1	010	L	.		6040100	A	
	11N22	.5	020	S	NFF		1034201	A	
	11N27	2.6T	025	L	.		1004206	A	
1034202-1	11N12	5.4	010	S	+		1034202	A	
	12P08	5.4T	015	S	+		1034207	A	
1034210-1	11N03	.0T	005	S	+		1034212	A	I
MFL3									
1034280	31N10	18.0	010	S	-BCR		1034280	A	
	18Q27	3.4	020	L	.		1034290	A	
	14Q10	21.4T	025	L	.		1270118	A	
O3									
1034500	22L06	9.5	010	S	FF		1034500	A	
	32K19	15.5	020	C	C		1034500	A	
	01A19	5.3	030	C	C		1034500	A	
	03B07	4.0	040	L	.		4323340	A	
	06A43	3.5	050	L	.		4321920	A	
	03A18	.9	060	L	.		4321135	A	
	04A24	.5	070	L	.		6720300	A	
	05A24	1.8	080	L	.		6720700	A	
	04A05	.5	090	L	.		6720100	A	
	05A05	1.0	100	L	.		6720500	A	
	07A05	.8	110	L	.		4320950	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1.	8	15	21	28	33	37	41	77	
		08A09	.6	120	L	.	4323130	A	
		09A07	1.2	130	L	.	4321112	A	
		08A17	1.2	140	L	.	4325040	A	
		09A28	.8	150	L	.	4320550	A	
		09A37	.6	160	L	.	4323160	A	
		10A39	.8	170	L	.	4321180	A	
		10A30	6.2	180	L	.	4321927	A	
		10B41	2.0	190	L	.	4325120	A	
		06B41	56.7T	195	T	T	1034500	A	
NO3									
1034502		22L07	9.0	010	S	NFF	1034502	A	
		32K20	15.5	020	C	C	1034502	A	
		01A20	1.8	030	C	C	1034502	A	
		04A19	1.1	040	L	.	6720200	A	
		04A06	.5	050	L	.	6720000	A	
		05A06	1.6	060	L	.	6720400	A	
		08A08	.3	070	L	.	4324300	A	
		08A07	3.0	080	L	.	4320500	A	
		09A42	1.1	090	L	.	6902660	A	
		10A50	2.5	110	L	.	4421400	A	
		09A21	2.2	120	L	.	4321987	A	
		06A31	1.4	130	L	.	4321918	A	
		05A19	10.1	140	L	.	6720600	A	
		03C01	5.2	150	C	C	1034502	A	
		03D01	12.7	160	C	C	1034502	A	
		14E27	1.0	170	L	.	3060152	A	
		16E27	69.0T	175	T	T	1034502	A	
PR3									
1035500		26L01	3.7	010	S	B	1035500	A	
		29K41	3.7T	015	L	.	1002752	A	
RR3									
1036300		05K02	.5	010	S	-HSM	1036302	A	
		06K02	.5	020	S	-HSM	1036304	A	
		07K02	.5	030	S	-HSM	1036306	A	
		08K02	.5	040	S	-HSM	1036308	A	
		09K02	.5	050	S	-HSM	1036310	A	
		10K02	.5	060	S	-HSM	1036312	A	
		11K02	.5	070	S	-HSM	1036314	A	
		12K02	2.9	080	S	-HSM	1036316	A	
		13K34	6.9	090	S	-BCR	1036300	A	
		05L07	11.5	100	L	.	1030116	A	
		24L36	1.3	110	T	T	1036300	A	
		26L35	26.1T	115	L	.	1030502	A	
1036330-1		14L26	5.1	010	S	B	1036330	A	
		13K33	5.1T	015	L	*	1036330	A	
RW3									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1036340	16L03	10.2	010	T	T		1036340	B	
	05K12	.5	020	L	.		1032600	A	
	06K12	.5	030	L	.		1032602	A	
	07K12	.5	040	L	.		1032604	A	
	08K12	.5	050	L	.		1032606	A	
	09K12	.5	060	L	.		1036220	A	
	10K12	.5	070	L	.		1036222	A	
	11K12	.5	080	L	.		1036224	A	
	12K12	6.2	090	L	.		1036226	A	
	13L18	9.3	100	S	B		1036340	A	
	24K41	29.2T	105	S	B		1036342	A	
S3									
1036500	26L17	3.1	010	S	B		1036502	A	
	21L25	2.3	020	L	.		1030312	A	
	17L26	1.6	030	L	.		1036560	A	
	14L24	8.4	040	L	.		1036330	A	
	20M25	3.7	050	L	.		8180202	A	
	16M04	1.6	060	L	.		1032100	A	
	13M02	5.1	070	L	.		1034150	A	
	13L04	8.5	080	L	.		1036340	A	
	02L44	6.9	090	L	.		1020112	A	
	06M40	2.6	100	L	.		1031513	A	
	05M12	5.2	110	C	C		1036500	A	
	05N12	2.0	120	C	C		1036500	A	
	01N12	.5	130	L	.		1033400	A	
	02N12	.5	140	L	.		1033401	A	
	03N12	.5	150	L	.		1033402	A	
	04N12	4.1	160	L	.		1033403	A	
	11N07	11.6	170	L	.		1034202	A	
	13Q10	2.0	180	L	.		3060404	A	
	17Q10	70.2T	185	T	T		1036500	A	
A4									
1040100	04L33	3.3	010	S	FF		1040100	A	
	04M04	1.1	020	L	.		1120120	A	
	04M17	3.8	030	L	.		1120118	A	
	06L46	.8	040	L	.		5156330	A	
	07L45	2.8	050	L	.		1022622	A	
	11L30	8.9	060	L	.		2371030	A	
	27L18	5.4	070	L	.		1042500	A	
	26K21	13.6	080	L	.		1040350	A	
	18M09	5.2	090	C	C		1040100	A	
	18N09	6.6	100	C	C		1040100	A	
	15P04	7.4	110	L	.		1200118	A	
	16Q26	.5	120	L	.		1280110	A	
	17Q26	59.4T	125	T	T		1040100	A	
NA4									
1040104	04L40	1.5	010	S	NFF		1040104	A	
	06L45	5.5	020	L	.		5156330	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		13L14	3.1	030	L	.	2081030	A	
		18L22	10.1T	035	L	.	5155002	A	
1040110-1	02L39	.9	010	S	+		1040114	A	
	04L36	1.5	020	S	+		1040122	A	
	05L50	2.4T	025	S	+		1040110	A	
1040130-1	04L30	.0T	005	S	+		1040130	A	I
A4L									
1040150	04K03	8.7	010	S	B		1040150	A	
	04L46	8.7T	015	L	.		1040118	A	
B4									
1040300	21L35	1.6	010	L	.		2500074	A	
	23L27	2.4	020	S	FF		1040300	A	
	27L33	4.0T	025	L	.		1046504	A	
NB4									
1040304	23L28	.0T	005	S	NFF		1040304	A	I
1040310-1	21L39	1.7	010	S	+		1040310	A	
	23L50	1.7T	015	S	+		1040314	A	
(S/B4)									
1040350	24K46	2.9	010	S	B		1040354	A	
	26K20	.6	020	S	B		1040350	A	
	26K27	8.2	030	L	.		1002630	A	
	23L47	.6	040	L	.		1040314	A	
	24L50	12.3T	045	T	T		1040350	A	
C4									
1040500	28K30	.5	010	T	T		1040500	A	
	27K30	1.7	020	L	.		5158800	A	
	26K46	4.9	030	L	.		5145800	A	
	23L25	2.3	040	L	.		1044504	A	
	26L10	1.0	050	L	.		1031310	A	
	27L15	10.4T	055	S	FB		1040500	A	
D4									
1041300	27L23	4.5	010	S	FF		1041300	A	
	27M13	8.3	020	L	.		1121312	A	
	26K50	2.7	030	L	.		1140350	A	
	27K20	10.1	040	L	.		2001690	A	
	18L29	4.2	050	L	.		2500800	A	
	12L42	29.8T	055	L	.		2500900	A	
DA4									
1041360	08L08	5.4	010	S	-BCR		1041360	A	
	14K46	7.8	020	L	.		5156150	A	
	15M04	8.4	030	L	.		1041370	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
1042621	07L43	.0T	005	S	NFF		1042621	A	I
I0FR4 1042640	07L03	4.9	010	S	FF		1042640	A	
	11L44	9.2	020	L	.		1043370	A	
	01M30	21.0	030	C	C		1042640	A	
	01R30	.5	040	C	C		1042640	A	
	02R30	2.0	050	L	.		1204990	A	
	06R30	37.6T	055	T	T		1042640	A	
NIOFR4 1042641	07L05	.0T	005	S	NFF		1042641	A	I
IP4 1042660	27R02	.0T	005	S	FF		1042660	A	I
IS4 1042680	27R10	13.0	010	S	FF		1042680	A	
	01R10	21.0	020	C	C		1042680	A	
	01M10	10.4	030	C	C		1042680	A	
	02K21	44.4T	035	L	.		3283010	A	
K4 1042750	29K19	8.5	010	S	B		1042750	A	
	27L46	8.5T	015	L	.		1046502	A	
KS4 1043050	17L07	9.4	010	S	-NS		1043050	A	
	02L33	9.4T	015	L	.		1040110	A	
LIN04 1043350	22R13	7.6	010	S	-BCR		1043350	A	
	28S06	7.6T	015	L	.		1042590	A	
LIO4 1043370	11L36	6.7	010	S	B		1043370	A	
	19L03	5.4	020	L	.		1043374	A	
	22K21	1.0	030	L	.		5140222	A	
	20K21	6.0	040	L	.		5140422	A	
	08K21	1.0	050	L	.		5140402	A	
	06K21	11.8	060	L	.		5140202	A	
	01M05	21.0	070	C	C		1043370	A	
	01R05	6.9	080	C	C		1043370	A	
	02S21	1.0	090	L	.		5140242	A	
	04S21	6.2	100	L	.		5140442	A	
	02T21	1.0	110	L	.		5140282	A	
	04T21	1.0	120	L	.		5140482	A	
	06T21	1.0	130	L	.		5140262	A	
	08T21	4.4	140	L	.		5140462	A	
	14T42	9.2	150	L	.		1043384	A	
	01T06	83.6T	155	T	T		1043370	B	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NL104									
1043374	19L19	7.1	010	S	I		1043374	A	
	23K21	1.0	020	L	.		5140122	A	
	21K21	7.0	030	L	.		5140322	A	
	07K21	1.0	040	L	.		5140302	A	
	05K21	7.8	050	L	.		5140102	A	
	01L29	23.9T	055	T	T		1043374	A	
NL104-1									
1043384	14T44	13.3	010	S	I		1043384	A	
	01S21	1.0	020	L	.		5140142	A	
	03S21	6.2	030	L	.		5140342	A	
	01T21	1.0	040	L	.		5140182	A	
	03T21	1.0	050	L	.		5140382	A	
	05T21	1.0	060	L	.		5140162	A	
	07T21	5.0	070	L	.		5140362	A	
	01T44	28.5T	075	T	T		1043384	B	
LOCK4									
1043600	01N45	.5	010	S	-HSM		1043600	A	
	02N45	.5	020	S	-HSM		1043601	A	
	03N45	.5	030	S	-HSM		1043602	A	
	04N45	1.5	040	S	-HSM		1043603	A	
	06N34	1.5	050	L	.		5754001	A	
	09N34	4.5T	055	T	T		1043600	A	
MB4									
1044100	12M13	10.7	010	S	-BCR		1044100	A	
	27L36	10.7T	015	L	.		1040502	A	
1044150-1									
	13M19	1.1	010	S	B		1044150	A	
	12M12	1.1T	015	L	*		1044150	A	
MC4									
1044200	12N33	1.0	010	S	FF		1044200	A	
	10N33	5.2	020	C	C		1044200	A	
	10M33	8.2	030	C	C		1044200	A	
	05L28	14.4T	035	L	.		1040124	A	
NMC4									
1044201	07N04	1.5	010	L	.		6040102	A	
	07N24	3.7	020	L	.		6041032	A	
	12N40	5.2T	025	S	NFF		1044201	A	
1044202-1									
	12N36	2.7	010	S	+		1044202	A	
	12P01	2.7T	015	S	+		1044206	A	
1044210-1									
	12N30	.0T	005	S	+		1044210	A	I
MFL4									
1044280	31N13	16.7	010	S	-BCR		1044280	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		18Q06	2.0	020	L	.	1044290	A	
		15Q17	18.7T	025	L	.	1280118	A	
O4									
1044500	23L02	8.6	010	S	FF		1044500	A	
	32K21	15.5	020	C	C		1044500	A	
	01A21	1.7	030	C	C		1044500	A	
	03A11	.9	040	L	.		6631100	A	
	03A20	.1	050	L	.		6514505	A	
	03A22	.3	060	L	.		6514500	A	
	03A25	.3	070	L	.		6631200	A	
	03A29	1.1	080	L	.		6631300	A	
	03A40	.5	090	L	.		6631400	A	
	03A45	1.0	100	L	.		6631500	A	
	05A45	.5	110	L	.		6631000	A	
	05A40	1.1	120	L	.		6630900	A	
	05A29	.8	130	L	.		6630800	A	
	06A25	1.1	140	L	.		4320502	A	
	06A12	2.5	150	L	.		4321914	A	
	09A26	2.7	160	L	.		4321110	A	
	12A42	38.7T	165	T	T		1044500	A	
N04									
1044502	23L21	9.4	010	S	NFF		1044502	A	
	32K22	15.5	020	C	C		1044502	A	
	01A22	2.6	030	C	C		1044502	A	
	04A11	.9	040	L	.		6630000	A	
	04A20	.5	050	L	.		6514515	A	
	04A25	.3	060	L	.		6630200	A	
	04A29	1.1	070	L	.		6630300	A	
	04A40	.5	080	L	.		6630400	A	
	04A45	2.0	090	L	.		6630500	A	
	05A25	.5	100	L	.		6630700	A	
	05A20	.9	110	L	.		6514510	A	
	05A11	2.1	120	L	.		6630600	A	
	06A34	.2	130	L	.		4320504	A	
	06A35	1.5	140	L	.		4320504	A	
	08A24	.4	150	L	.		6630140	A	
	08A30	1.7	160	L	.		4325040	A	
	09A17	.5	170	L	.		6630150	A	
	09A20	2.4	180	L	.		4321987	A	
	10A46	9.7	190	L	.		4421400	A	
	15C01	5.2	200	C	C		1044502	A	
	15D01	6.3	210	C	C		1044502	A	
	09D42	12.9	220	L	.		7890850	A	
	30E03	77.1T	225	T	T		1044502	A	
1044504-1	23L18	.0T	005	S	+		1044504	A	I
PR4									
1045500	27L02	6.3	010	S	B		1045500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	29K05	6.3T	015	L	.		4500152	A	
RR4 1046300	05K45	.5	010	S	-HSM		1046302	A	
	06K45	.5	020	S	-HSM		1046304	A	
	07K45	.5	030	S	-HSM		1046306	A	
	08K45	.5	040	S	-HSM		1046308	A	
	09K45	.5	050	S	-HSM		1046310	A	
	10K45	.5	060	S	-HSM		1046312	A	
	11K45	.5	070	S	-HSM		1046314	A	
	12K45	.9	080	S	-HSM		1046316	A	
	13K36	8.8	090	S	-BCR		1046300	A	
	05L30	10.1	100	L	.		1040116	A	
	24L38	1.7	110	T	T		1046300	A	
	27L39	25.0T	115	L	.		1040502	A	
1046330-1	14L47	6.6	010	S	B		1046330	A	
	13K35	6.6T	015	L	*		1046330	A	
RW4 1046340	16L06	8.6	010	T	T		1046340	B	
	05K33	.5	020	L	.		1042600	A	
	06K33	.5	030	L	.		1042602	A	
	07K33	.5	040	L	.		1042604	A	
	08K33	.5	050	L	.		1042606	A	
	09K33	.5	060	L	.		1046220	A	
	10K33	.5	070	L	.		1046222	A	
	11K33	.5	080	L	.		1046224	A	
	12K33	5.2	090	L	.		1046226	A	
	13L28	10.5	100	S	B		1046340	A	
	24K35	27.8T	105	S	B		1046342	A	
S4 1046500	27L19	4.0	010	S	B		1046502	A	
	21L33	3.2	020	L	.		1040312	A	
	17L18	5.7	030	L	.		1046560	A	
	16M21	2.8	040	L	.		1042100	A	
	13M03	3.6	050	L	.		1044150	A	
	14L31	1.2	060	L	.		1046330	A	
	13L21	6.5	070	L	.		1046340	A	
	02L35	8.2	080	L	.		1030112	A	
	06M50	.5	090	L	.		1041513	A	
	05M50	5.2	100	C	C		1046500	A	
	05N50	3.1	110	C	C		1046500	A	
	01N33	.5	120	L	.		1043400	A	
	02N33	.5	130	L	.		1043401	A	
	03N33	.5	140	L	.		1043402	A	
	04N33	4.3	150	L	.		1043403	A	
	12N37	1.5	160	L	.		1044202	A	
	09N37	51.3T	165	T	T		1046500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
A5									
1050100	04L25	4.1	010	S	FF		1050100	A	
	04M06	3.4	020	L	.		1130120	A	
	06L44	3.2	030	L	.		5156332	A	
	09L25	1.2	040	L	.		1032623	A	
	11L18	8.4	050	L	.		2371030	A	
	27L24	8.7	060	L	.		1050140	A	
	18M10	5.2	070	C	C		1050100	A	
	18N10	6.4	080	C	C		1050100	A	
	15P06	7.1	090	L	.		1210118	A	
	16Q24	.5	100	L	.		1290110	A	
	17Q24	48.2T	105	T	T		1050100	A	
NA5									
1050104	04L26	2.8	010	S	NFF		1050104	A	
	06L50	6.6	020	L	.		5156330	A	
	13L08	9.4T	025	L	.		2081030	A	
1050110-1	02L41	1.7	010	S	+		1050110	A	
	04L31	1.7	020	S	+		1050120	A	
	05L47	3.4T	025	S	+		1050116	A	
1050130-1	04L24	.0T	005	S	+		1050130	A	I
A5L									
1050150	04K02	8.2	010	S	B		1050150	A	
	04L42	8.2T	015	L	.		1050118	A	
B5									
1050300	21L14	2.4	010	L	.		2500074	A	
	23L31	3.2	020	S	FF		1050300	A	
	27L47	5.6T	025	L	.		1056504	A	
NB5									
1050304	23L26	.0T	005	S	NFF		1050304	A	I
1050310-1	21L41	1.2	010	S	+		1050316	A	
	23L46	1.2T	015	S	+		1050314	A	
C5									
1050500	28K26	1.0	010	T	T		1050500	A	
	26K26	6.6	020	L	.		5145802	A	
	19L01	3.6	030	L	.		1050520	A	
	23L24	3.7	040	L	.		1054504	A	
	27L05	14.9T	045	S	FB		1050500	A	
NC5									
1050520	19L17	8.9	010	S	I		1050520	A	
	27K18	.5	020	L	.		5158800	A	
	28K18	9.4T	025	T	T		1050520	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
D5									
1051300	26K22	1.1	010	L	.		1040350	A	
	27K29	5.4	020	L	.		2001690	A	
	27L28	4.0	030	S	FF		1051300	A	
	27M12	10.5T	035	L	.		1131312	A	
DA5									
1051360	14K44	5.7	010	L	.		5156152	A	
	08L10	8.3	020	S	-BCR		1051360	A	
	15M03	7.9	030	L	.		1051370	A	
	27L44	21.9T	035	L	.		1056506	A	
NDA5									
1051370	15M19	8.8	010	S	I		1051370	A	
	14K50	3.7	020	L	.		5156150	A	
	08K39	12.5T	025	T	T		1051370	B	
D105									
1051500	09M18	1.4	010	S	-BCR		1051500	A	
	07M24	1.4T	015	L	.		1051512	A	
D105/1									
1051510	05L40	3.5	010	L	.		1050116	A	
	07M04	1.9	020	S	FF		1051510	A	
	09M15	5.4T	025	L	*		1051520	A	
ND105/1									
1051511	07M05	.0T	005	S	NFF		1051511	A	I
1051512-1	06M44	3.8	010	S	+		1051513	A	
	07M03	3.8T	015	S	+		1051512	A	
FP5									
1052100	16M27	6.6	010	S	I		1052100	A	
	17L15	2.5	020	L	.		1056560	A	
	21L24	6.3	030	L	.		1050316	A	
	31L06	.5	040	T	T		1052100	A	
	32L06	15.9T	045	C	C		1052100	A	
FR5									
1052200	04L50	6.1	010	L	.		1050118	A	
	09L02	1.1	020	L	.		1052642	A	
	10L10	7.2T	025	S	-BCR		1052200	A	
G5									
1052500	27L04	6.2	010	S	B		1052500	A	
	29K04	6.2T	015	L	.		4500151	A	
IN5									
1052580	27R31	.0T	005	S	FF		1052580	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NIN5									
1052581	27R46	.0T	005	S	NFF		1052581	A	I
INT5									
1052590	28S34	13.0	010	S	B		1052590	A	
	16R09	13.0T	015	L	.		1284906	A	
IODA5									
1052620	08L09	2.3	010	L	*		1051380	A	
	09L33	1.7	020	S	FF		1052620	A	
	11L23	4.0T	025	L	.		5156950	A	
NIODA5									
1052621	09L35	.0T	005	S	NFF		1052621	A	I
IOFR5									
1052640	04K26	7.2	010	L	.		1053370	A	
	09L17	9.4	020	S	FF		1052640	A	
	01M19	21.0	030	C	C		1052640	A	
	01R19	.5	040	C	C		1052640	A	
	02R19	2.0	050	L	.		1214990	A	
	06R19	40.1T	055	T	T		1052640	A	
NI OFR5									
1052641	09L19	.0T	005	S	NFF		1052641	A	I
IP5									
1052660	27R21	10.4	010	S	FF		1052660	A	
	20S40	10.4T	015	L	.		1052668	A	
NIP5-1									
1052668	20S34	2.8	010	S	I		1052668	A	
	25S30	1.0	020	L	.		7840110	A	
	27S30	3.8T	025	T	T		1052668	A	
IS5									
1052680	27R13	6.9	010	S	FF		1052680	A	
	25S18	18.4	020	L	.		7840110	A	
	01R02	21.0	030	C	C		1052680	A	
	01M02	11.0	040	C	C		1052680	A	
	02K05	57.3T	045	L	.		3284010	A	
NIS5									
1052681	27R18	.0T	005	S	NFF		1052681	A	I
1052687-1	27R20	.6	010	C	C		1052687	A	
	27R12	.6T	015	C	C		1052687	A	
K5									
1052750	29K18	7.7	010	S	B		1052750	A	
	27L38	7.7T	015	L	.		1056502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
KS5									
1053050	17L08	7.3	010	S	-NS		1053050	A	
	02L09	7.3T	015	L	.		1050110	A	
LIN05									
1053350	22R18	10.1	010	S	-BCR		1053350	A	
	28S41	10.1T	015	L	.		1052590	A	
L105-0									
1053370	04K46	2.6	010	S	B		1053370	A	
	05K18	.5	020	L	.		5140106	A	
	06K18	.5	030	L	.		5140206	A	
	07K18	.5	040	L	.		5140306	A	
	08K18	13.4	050	L	.		5140406	A	
	13M24	14.4	060	L	.		1053372	A	
	20K18	.5	070	L	.		5140426	A	
	21K18	.5	080	L	.		5140326	A	
	22K18	.5	090	L	.		5140226	A	
	23K18	2.8	100	L	.		5140126	A	
	28K17	36.2T	105	T	T		1053370	A	
L105-1									
1053372	13M26	7.3	010	S	B		1053372	A	
	01M07	21.0	020	C	C		1053372	A	
	01R07	6.3	030	C	C		1053372	A	
	01S18	.5	040	L	.		5140146	A	
	02S18	.5	050	L	.		5140246	A	
	03S18	.5	060	L	.		5140346	A	
	04S18	7.2	070	L	.		5140446	D	
	08T18	.5	080	L	.		5140466	A	
	07T18	.5	090	L	.		5140366	A	
	06T18	.5	100	L	.		5140266	A	
	05T18	.5	110	L	.		5140166	A	
	04T18	.5	120	L	.		5140486	A	
	03T18	.5	130	L	.		5140386	A	
	02T18	.5	140	L	.		5140286	A	
	01T18	3.3	150	L	.		5140186	A	
	01S44	50.1T	155	T	T		1053372	A	
LOCK5									
1053600	01N46	.5	010	S	-HSM		1053600	A	
	02N46	.5	020	S	-HSM		1053601	A	
	03N46	.5	030	S	-HSM		1053602	A	
	04N46	1.3	040	S	-HSM		1053603	A	
	06N42	1.5	050	L	.		5754011	A	
	09N42	4.3T	055	T	T		1053600	A	
M85									
1054100	12M18	11.8	010	S	-BCR		1054100	A	
	27L30	11.8T	015	L	.		1050502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1054150-1	13M18	.6	010	S	B		1054150	A	
	12M15	.6T	015	L	*		1054150	A	
MC5									
1054200	12N25	1.2	010	S	FF		1054200	A	
	10N24	5.2	020	C	C		1054200	A	
	10M24	6.3	030	C	C		1054200	A	
	05L41	12.7T	035	L	.		1050124	A	
NMC5									
1054201	07N08	1.2	010	L	.		6040102	A	
	07N23	2.6	020	L	.		6041032	A	
	12N26	3.8T	025	S	NFF		1054201	A	
1054202-1	12N31	.0T	005	S	+		1054206	A	I
1054210-1	12N24	.0T	005	S	+		1054210	A	I
MFL5									
1054280	31N18	16.6	010	S	-BCR		1054280	A	
	18Q17	1.6	020	L	.		1054290	A	
	15Q15	18.2T	025	L	.		1290118	A	
05									
1054500	23L04	8.6	010	S	FF		1054500	A	
	32K23	15.5	020	C	C		1054500	A	
	01A23	1.0	030	C	C		1054500	A	
	03A23	.5	040	L	.		6514500	A	
	03A26	.3	050	L	.		6631200	A	
	03A30	.9	060	L	.		6631300	A	
	03A41	.6	070	L	.		6631400	A	
	03A46	.5	080	L	.		6631500	A	
	04A46	.6	090	L	.		6630500	A	
	04A41	2.4	100	L	.		6630400	A	
	05A12	.8	110	L	.		6630600	A	
	05A21	.6	120	L	.		6514510	A	
	05A26	.7	130	L	.		6630700	A	
	06A27	1.4	140	L	.		4320502	A	
	08A18	7.6	150	L	.		4325040	A	
	05B30	12.2	155	L	.		6902664	U	
	18C35	16.1	160	L	.		6902656	A	
	12A02	70.3T	165	T	T		1054500	A	
N05									
1054502	23L05	4.4	010	S	NFF		1054502	A	
	24K23	3.9	015	L	.		4421646	J	
	32K24	15.5	020	C	C		1054502	A	
	01A24	1.5	030	C	C		1054502	A	
	03A21	.8	040	L	.		6514505	A	
	03A12	.5	050	L	.		6631100	A	
	04A12	.8	060	L	.		6630000	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 1054502
 TYPE-PINLIST

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 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		04A21	.6	070	L	.	6514515	A	
		04A26	.3	080	L	.	6630200	A	
		04A30	.5	090	L	.	6630300	A	
		05A30	.9	100	L	.	6630800	A	
		05A41	.6	110	L	.	6630900	A	
		05A46	1.4	120	L	.	6631000	A	
		06A37	2.0	130	L	.	4320504	A	
		08A23	.9	140	L	.	6630140	A	
		09A29	.1	150	L	.	4321987	A	
		09A31	1.2	160	L	.	6630150	A	
		10A42	1.2	170	L	.	4421402	A	
		12A43	37.1T	175	T	T	1054502	A	
1054504-1	23L03	.0T	005	S	+		1054504	A	I
PR5									
1055500	27L01	5.3	010	S	B		1055500	A	
	29K10	5.3T	015	L	.		4500151	A	
RR5									
1056300	05K46	.5	010	S	-HSM		1056302	A	
	06K46	.5	020	S	-HSM		1056304	A	
	07K46	.5	030	S	-HSM		1056306	A	
	08K46	.5	040	S	-HSM		1056308	A	
	09K46	.5	050	S	-HSM		1056310	A	
	10K46	.5	060	S	-HSM		1056312	A	
	11K46	.5	070	S	-HSM		1056314	A	
	12K46	1.1	080	S	-HSM		1056316	A	
	13K38	9.0	090	S	-BCR		1056300	A	
	05L39	9.6	100	L	.		1050116	A	
	24L34	1.7	110	T	T		1056300	A	
	27L35	24.9T	115	L	.		1050502	A	
1056330-1	14L46	6.3	010	S	B		1056330	A	
	13K37	6.3T	015	L	*		1056330	A	
RW5									
1056340	16L24	10.4	010	T	T		1056340	B	
	05K28	.5	020	L	.		1052600	A	
	06K28	.5	030	L	.		1052602	A	
	07K28	.5	040	L	.		1052604	A	
	08K28	.5	050	L	.		1052606	A	
	09K28	.5	060	L	.		1056220	A	
	10K28	.5	070	L	.		1056222	A	
	11K28	.5	080	L	.		1056224	A	
	12K28	5.8	090	L	.		1056226	A	
	13L27	19.7T	095	S	B		1056340	A	
S5									
1056500	27L17	5.9	010	S	B		1056502	A	
	27K10	7.9	020	L	.		3163130	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1060300	19M08	6.5	010	L	.		1080312	A	
	21L04	2.9	020	L	.		2500076	A	
	23L30	2.8	030	S	FF		1060300	A	
	28L33	12.2T	035	L	.		1066504	A	
NB6									
1060304	23L29	.0T	005	S	NFF		1060304	A	I
1060310-1	21L42	1.3	010	S	+		1060310	A	
	23L41	1.3T	015	S	+		1060314	A	
C6									
1060500	16L13	1.5	010	T	T		1060500	A	
	19L13	2.0	020	L	.		1060520	A	
	23L13	1.9	030	L	.		1064504	A	
	27L10	1.0	040	L	.		1051310	A	
	28L15	6.4T	045	S	FB		1060500	A	
NC6									
1060520	19L15	8.0	010	S	I		1060520	A	
	27K31	.5	020	L	.		5158800	A	
	28K31	8.5T	025	T	T		1060520	A	
D6									
1061300	28L23	13.2	010	S	FF		1061300	A	
	15M43	8.7	020	L	.		1061340	J	
	28M13	21.9T	025	L	.		1141312	A	
ND6-1									
1061340	16L20	1.0	010	T	T		1061340	A	
	18L20	6.8	020	L	.		2500800	A	
	24K43	15.1	030	L	.		2001402	A	
	15M45	22.9T	035	S	I		1061340	J	
(S/D6)									
1061350	21N03	1.5	010	S	B		1061350	A	
	24N03	5.2	020	C	C		1061350	A	
	24M03	6.5	030	C	C		1061350	A	
	28L13	13.2T	035	L	.		1061312	A	
DA6									
1061360	08L04	7.1	010	S	-BCR		1061360	A	
	14K23	9.3	020	L	.		5156170	A	
	15M02	8.7	030	L	.		1061370	A	
	28L42	25.1T	035	L	.		1066506	A	
NDA6									
1061370	15M05	9.5	010	S	I		1061370	A	
	14K25	4.5	020	L	.		5156172	A	
	08K42	14.0T	025	T	T		1061370	B	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
D106									
1061500	09M20	1.4	010	S	-BCR		1061500	A	
	07M13	1.4T	015	L	.		1061512	A	
D106/1									
1061510	05L17	5.9	010	L	.		1060116	A	
	07M14	1.5	020	S	FF		1061510	A	
	09M19	7.4T	025	L	*		1061520	A	
ND106/1									
1061511	07M12	.0T	005	S	NFF		1061511	A	I
1061512-1	06M22	1.6	010	S	+		1061513	A	
	07M11	1.6T	015	S	+		1061512	A	
FP6									
1062100	16M25	6.4	010	S	I		1062100	A	
	17L12	3.4	020	L	.		1066560	A	
	21L29	6.6	030	L	.		1060316	A	
	31L07	.5	040	T	T		1062100	A	
	32L07	16.9T	045	C	C		1062100	A	
FR6									
1062200	04L06	2.6	010	L	.		1060118	A	
	09L04	.5	020	L	.		1062642	A	
	10L04	3.1T	025	S	-BCR		1062200	A	
G6									
1062500	28L06	6.4	010	S	B		1062500	A	
	29K01	6.4T	015	L	.		4500151	A	
IN6									
1062580	28R30	.0T	010	S	FF		1062580	A	I
INT6									
1062590	28S35	13.2	010	S	B		1062590	A	
	16R10	13.2T	015	L	.		1294906	A	
I0DA6									
1062620	09L37	3.2	010	S	FF		1062620	A	
	08L01	3.2T	015	L	*		1061380	A	
N10DA6									
1062621	09L39	2.0	010	S	NFF		1062621	A	
	11L22	2.0T	015	L	.		5156950	A	
I0FR6									
1062640	04K36	5.7	010	L	.		1063370	A	
	09L07	9.9	020	S	FF		1062640	A	
	01M12	21.0	030	C	C		1062640	A	
	01R12	.5	040	C	C		1062640	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		02R12	2.0	050	L	.	1224990	A	
		06R12	39.1T	055	T	T	1062640	A	
NIOFR6 1062641	09L15	.0T	005	S	NFF		1062641	A	I
IP6 1062660	28R02	15.0	005	S	FF		1062660	A	
	03R39	15.0T	010	L	.		6832225	X	
IS6 1062680	28R10	9.9	010	S	FF		1062680	A	
	20S23	9.9T	015	L	.		1062695	A	
NIS6-1 1062695	20S25	12.6	010	S	I		1062695	A	
	03R42	2.0	020	L	.		6832225	A	
	06R47	14.6T	025	T	T		1062695	A	
K6 1062750	29K20	7.7	010	S	B		1062750	A	
	28L46	7.7T	015	L	.		1066500	A	
KS6 1063050	17L09	8.2	010	S	-NS		1063050	A	
	02L19	8.2T	015	L	.		1060110	A	
LIN06 1063350	22R20	9.9	010	S	-BCR		1063350	A	
	28S42	9.9T	015	L	.		1062590	A	
LI06-0 1063370	04K47	1.8	010	S	B		1063370	A	
	05K29	.5	020	L	.		5140108	A	
	06K29	.5	030	L	.		5140208	A	
	07K29	.5	040	L	.		5140308	A	
	08K29	12.5	050	L	.		5140408	A	
	13M23	13.5	060	L	.		1063372	A	
	20K29	.5	070	L	.		5140428	A	
	21K29	.5	080	L	.		5140328	A	
	22K29	.5	090	L	.		5140228	A	
	23K29	2.5	100	L	.		5140128	A	
	28K29	33.3T	105	T	T		1063370	A	
LI06-1 1063372	13M25	7.4	010	S	B		1063372	A	
	01M08	21.0	020	C	C		1063372	A	
	01R08	6.9	030	C	C		1063372	A	
	01S29	.5	040	L	.		5140148	A	
	02S29	.5	050	L	.		5140248	A	
	03S29	.5	060	L	.		5140348	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	FROR FLAG
1	B 15		21	28	33	37	41	77	
	04S29	6.7	070	L	.	.	5140448	A	
	07T29	.5	080	L	.	.	5140368	A	
	06T29	.5	090	L	.	.	5140268	A	
	05T29	.5	100	L	.	.	5140168	A	
	04T29	.5	110	L	.	.	5140488	A	
	03T29	.5	120	L	.	.	5140388	A	
	02T29	.5	130	L	.	.	5140288	A	
	01T29	3.5	140	L	.	.	5140188	A	
	08T29	8.0	150	L	.	.	5140468	A	
	01S40	58.0T	155	T	T	.	1063372	A	
LOCK6									
1063600	01N04	.5	010	S	-HSM	.	1063600	A	
	02N04	.5	020	S	-HSM	.	1063601	A	
	03N04	.5	030	S	-HSM	.	1063602	A	
	04N04	3.7	040	S	-HSM	.	1063603	A	
	06N39	1.5	050	L	.	.	5754001	A	
	09N39	6.7T	055	T	T	.	1063600	A	
MB6									
1064100	12M20	12.0	010	S	-BCR	.	1064100	A	
	28L36	12.0T	015	L	.	.	1060502	A	
1064150-1	13M34	1.5	010	S	B	.	1064150	A	
	12M19	1.5T	015	L	*	.	1064150	A	
MC6									
1064200	05L18	3.9	010	L	.	.	1060124	A	
	11L06	9.8	020	L	.	.	4385902	A	
	05M31	5.2	030	C	C	.	1064200	A	
	05N31	1.0	040	C	C	.	1064200	A	
	07N31	3.4	050	L	.	.	3691100	A	
	12N19	23.3T	055	S	FF	.	1064200	A	
NMC6									
1064201	07N22	1.5	010	L	.	.	6041032	A	
	08N08	3.1	020	L	.	.	6047900	A	
	12N21	.8	030	S	NFF	.	1064201	A	
	12N28	3.9	040	L	.	.	1044208	A	
	17N13	12.2	050	L	.	.	2081070	A	
	20Q18	.5	060	L	.	.	6047910	A	
	20Q23	22.0T	065	L	.	.	6040600	A	
1064202-1	12N20	.0T	005	S	+	.	1064204	A	I
1064210-1	12N17	.0T	005	S	+	.	1064212	A	I
MFL6									
1064280	31N40	9.2	010	S	-BCR	.	1064280	A	
	18P06	6.5	020	L	.	.	1064290	A	
	15Q07	15.7T	025	L	.	.	1300118	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
06									
1064500	23L14	8.6	010	S	FF		1064500	A	
	16M12	17.8	020	L	.		1064550	A	
	32K25	15.5	030	C	C		1064500	A	
	01A25	1.9	040	C	C		1064500	A	
	03A13	2.4	050	L	.		6631100	A	
	03A42	.5	060	L	.		6631400	A	
	03A47	1.7	070	L	.		6631500	A	
	04A31	.3	080	L	.		6630300	A	
	04A27	.5	090	L	.		6630200	A	
	05A27	1.0	100	L	.		6630700	A	
	05A13	1.5	110	L	.		6630600	A	
	06A28	.6	120	L	.		4320502	A	
	06A36	1.0	130	L	.		4320504	A	
	05A47	2.8	140	L	.		6631000	A	
	10A43	1.8	150	L	.		4421402	A	
	14A42	5.0	160	L	.		1064520	A	
	20A19	62.9T	165	T	T		1064500	A	
N06									
1064502	23L12	8.7	010	S	NFF		1064502	A	
	32K26	15.5	020	C	C		1064502	A	
	01A26	1.2	030	C	C		1064502	A	
	03A27	.3	040	L	.		6631200	A	
	03A31	1.7	050	L	.		6631300	A	
	04A47	.5	060	L	.		6630500	A	
	04A42	.5	070	L	.		6630400	A	
	05A42	1.1	080	L	.		6630900	A	
	05A31	1.8	090	L	.		6630800	A	
	04A13	2.7	100	L	.		6630000	A	
	09A18	.8	110	L	.		6630150	A	
	08A22	.8	120	L	.		6630140	A	
	08A31	1.1	130	L	.		4325040	A	
	10A34	2.3	140	L	.		4321927	A	
	14A30	4.2	150	L	.		1064525	A	
	20A14	43.2T	155	T	T		1064502	A	
1064504-1	23L11	.0T	005	S	+		1064504	A	I
06-1									
1064520	14A44	11.6	010	S	B		1064520	A	
	17C37	17.2	020	L	.		1306631	A	
	06A21	.6	030	L	.		4321912	A	
	06A13	6.6	040	L	.		4321914	A	
	04B14	3.9	050	L	.		4324750	A	
	10B25	10.6	060	L	.		4324355	A	
	03C46	5.2	070	C	C		1064520	A	
	03D46	7.9	080	C	C		1064520	A	
	11E27	.9	090	L	.		8019100	A	
	11E15	6.3	100	L	.		5030500	A	
	11F29	3.1	110	L	.		2401020	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	06F21	3.8	120	L	.		4384120	A	
	10F45	77.7T	125	T	T		1064520	A	
N06-1									
1064525	14A46	7.3	010	S	B		1064525	A	
	06A02	9.6	020	L	.		4321910	A	
	03B40	2.2	030	L	.		4324502	A	
	05B27	7.2	035	L	.		6902662	U	
	17B11	10.6	040	L	.		1074225	A	
	23C44	5.2	050	C	C		1064525	A	
	23D44	9.6	060	C	C		1064525	A	
	11E22	4.9	070	L	.		8031100	A	
	19E10	56.6T	075	T	T		1064525	A	
N06-FP									
1064550	16M11	10.6	010	S	I		1064550	A	
	32L42	10.6T	015	C	C		1064550	A	
OVLN6									
1064600	30S13	2.9	010	S	I		1064600	A	
	28S39	.5	020	L	.		1062590	A	
	27S39	3.4T	025	T	T		1064600	A	
PR6									
1065500	28L02	5.5	010	S	B		1065500	A	
	29K09	5.5T	015	L	.		4500152	A	
RR6									
1066300	05K04	.5	010	S	-HSM		1066302	A	
	06K04	.5	020	S	-HSM		1066304	A	
	07K04	.5	030	S	-HSM		1066306	A	
	08K04	.5	040	S	-HSM		1066308	A	
	09K04	.5	050	S	-HSM		1066310	A	
	10K04	.5	060	S	-HSM		1066312	A	
	11K04	.5	070	S	-HSM		1066314	A	
	12K04	3.2	080	S	-HSM		1066316	A	
	13K40	7.1	090	S	-BCR		1066300	A	
	05L15	13.3	100	L	.		1060116	A	
	28L39	3.3	110	L	.		1060502	A	
	30M02	30.4T	115	T	T		1066300	A	
1066330-1									
	14L44	6.0	010	S	B		1066330	A	
	13K39	6.0T	015	L	*		1066330	A	
RW6									
1066340	16L04	9.6	010	T	T		1066340	B	
	05K17	.5	020	L	.		1062600	A	
	06K17	.5	030	L	.		1062602	A	
	07K17	.5	040	L	.		1062604	A	
	08K17	.5	050	L	.		1062606	A	
	09K17	.5	060	L	.		1066220	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	10K17	.5	070	L	.		1066222	A	
	11K17	.5	080	L	.		1066224	A	
	12K17	6.3	090	L	.		1066226	A	
	13L25	19.4T	095	S	B		1066340	A	
S6									
1066500	28L19	3.5	010	S	I		1066500	A	
	21L19	2.6	020	L	.		1060312	A	
	17L11	6.9	030	L	.		1066560	A	
	20M13	2.7	040	L	.		5130102	A	
	16M23	3.0	050	L	.		1062100	A	
	13M40	5.6	060	L	.		1064150	A	
	14L42	1.8	070	L	.		1066330	A	
	13L23	7.0	080	L	.		1066340	A	
	02L04	5.5	090	L	.		1050112	A	
	02M08	3.2	100	L	.		1080114	A	
	06M23	.9	110	L	.		1061513	A	
	05M17	5.2	120	C	C		1066500	A	
	05N17	2.0	130	C	C		1066500	A	
	01N17	.5	140	L	.		1063400	A	
	02N17	.5	150	L	.		1063401	A	
	03N17	.5	160	L	.		1063402	A	
	04N17	4.5	170	L	.		1063403	A	
	12N06	7.1	180	L	.		1064202	A	
	11P24	1.0	190	L	.		4460102	A	
	13P24	64.0T	195	T	T		1066500	A	
A7									
1070100	04L05	3.0	010	S	FF		1070100	A	
	04L45	2.2	020	L	.		1040120	A	
	04M05	4.4	030	L	.		1150120	A	
	06L26	3.0	040	L	.		5156340	A	
	09L45	3.1	050	L	.		1062622	A	
	11L17	8.9	060	L	.		2371030	A	
	28L24	9.0	070	L	.		1070140	A	
	18M11	5.2	080	C	C		1070100	A	
	18N11	6.3	090	C	C		1070100	A	
	15P05	7.4	100	L	.		1230118	A	
	16Q27	.5	110	L	.		1310110	A	
	17Q27	53.0T	115	T	T		1070100	A	
NA7									
1070104	04L22	.5	010	S	NFF		1070104	A	
	04L27	1.1	020	L	.		1040120	A	
	06L22	3.4	030	L	.		5156340	A	
	11L10	5.0T	035	L	.		2081031	A	
1070110-1	02L06	1.4	010	S	+		1070110	A	
	04L12	1.1	020	S	+		1070120	A	
	05L04	2.5T	025	S	+		1070124	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1070130-1	04L03	.0T	005	S	+		1070132	A	I
A7L									
1070150	04K01	6.5	010	S	B		1070150	A	
	04L14	6.5T	015	L	.		1070118	A	
B7									
1070300	19M07	3.8	010	L	.		1080310	A	
	21L36	1.5	020	L	.		2500076	A	
	23L33	3.5	030	S	FF		1070300	A	
	28L47	8.8T	035	L	.		1076504	A	
NB7									
1070304	23L34	.0T	005	S	NFF		1070304	A	I
1070310-1	21L06	3.6	010	S	+		1070310	A	
	23L39	3.6T	015	S	+		1070310	A	
C7									
1070500	16L12	1.5	010	T	T		1070500	A	
	19L12	2.3	020	L	.		1070520	A	
	23L08	3.0	030	L	.		1074504	A	
	28L05	6.8T	035	S	FB		1070500	A	
NC7									
1070520	19L11	8.8	010	S	I		1070520	A	
	27K17	.6	020	L	.		5158800	A	
	28K19	9.4T	025	T	T		1070520	A	
CNLN7									
1070850	20S46	6.1	010	S	I		1070850	A	
	28S21	.5	020	L	.		1072592	A	
	27S21	6.6T	025	T	T		1070850	A	
D7									
1071300	28L28	4.0	010	S	FF		1071300	A	
	28M12	12.0	020	L	.		1151312	A	
	26K03	15.7	025	L	.		1071340	A	
	06L06	31.7T	030	L	.		5151039	G	
D7-1									
1071340	26K05	3.4	010	S	B		1071340	A	
	32K11	15.5	020	C	C		1071340	A	
	01A11	14.9	030	C	C		1071340	A	
	05C43	2.1	040	L	.		1071342	A	
	09C45	35.9T	045	T	T		1071340	A	
ND7-1									
1071342	05C45	16.3	010	S	I		1071342	A	
	32C07	4.6	020	L	.		6038030	A	
	23C09	5.2	030	C	C		1071342	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		23D09	16.3	040	C	C	1071342	A	
		11F07	17.4	050	L	.	5151054	A	
		26D15	59.8T	055	T	T	1071342	A	
(S/D7)									
1071350	13M06	12.3	010	S	B		1071350	A	
	28L12	3.2	020	L	.		1071312	A	
	28K43	15.5T	025	T	T		1071350	A	
DA7									
1071360	08L06	6.7	010	S	-BCR		1071360	A	
	14K26	9.2	020	L	.		5156172	A	
	15M01	8.2	030	L	.		1071370	A	
	28L44	24.1T	035	L	.		1076506	A	
NDA7									
1071370	15M17	10.7	010	S	I		1071370	A	
	14K22	4.3	020	L	.		5156170	A	
	08K40	15.0T	025	T	T		1071370	B	
D107									
1071500	09M22	2.0	010	S	-BCR		1071500	A	
	07M08	2.0T	015	L	.		1071512	A	
D107/1									
1071510	05L09	5.9	010	L	.		1070116	A	
	07M06	2.4	020	S	FF		1071510	A	
	09M23	8.3T	025	L	*		1071520	A	
ND107/1									
1071511	07M07	.0T	005	S	NFF		1071511	A	I
FP7									
1072100	16M26	6.2	010	S	I		1072100	A	
	17L20	2.6	020	L	.		1076560	A	
	21L27	6.1	030	L	.		1070316	A	
	31L08	.5	040	T	T		1072100	A	
	32L08	15.4T	045	C	C		1072100	A	
FR7									
1072200	04L07	2.4	010	L	.		1070118	A	
	09L08	.6	020	L	.		1072642	A	
	10L06	3.0T	025	S	-BCR		1072200	A	
G7									
1072500	28L04	5.6	010	S	B		1072500	A	
	29K06	5.6T	015	L	.		4500152	A	
IN7									
1072580	28R31	.0T	005	S	FF		1072580	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NIN7 1072581	28R46	.0T	005	S	NFF		1072581	A	I
INT7 1072590	28S18 17R44	8.8 8.8T	010 015	S L	B .		1072590 1304907	A A	
IODA7 1072620	09L41 08L02	3.5 3.5T	010 015	S L	FF *		1072620 1071380	A A	
NIODA7 1072621	09L43 11L28	1.8 1.8T	010 015	S L	NFF .		1072621 5156950	A A	
IOFR7 1072640	04K33 09L03 01M37 01R37 02R37 05T08	5.5 11.8 21.0 .5 9.7 48.5T	010 020 030 040 050 055	L S C C L T	. FF C C . T		1073370 1072640 1072640 1072640 1234990 1072640	A A A A A B	
NI0FR7 1072641	09L05	.0T	005	S	NFF		1072641	A	I
I0LN7 1072650	20S45 28S22 27S22	5.4 .5 5.9T	010 020 025	S L T	I . T		1072650 1072592 1072650	A A A	
IP7 1072660	28R21	.0T	005	S	FF		1072660	A	I
IS7 1072680	28R13	.0T	005	S	FF		1072680	A	I
NIS7 1072681	28R18	.0T	005	S	NFF		1072681	A	I
1072687-1	28R20 28R12	.6 .6T	010 015	C C	C C		1072687 1072687	A A	
K7 1072750	28K09 29K08 28L38 18M27 18N27 15N27	.3 8.0 9.1 5.2 1.5 24.1T	010 020 030 040 050 055	T L L C C S	T . . C C B		1072750 1042752 1076500 1072750 1072750 1072750	A A A A A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
KS7									
1073050	17L42	8.9	010	S	-NS		1073050	A	
	02L21	8.9T	015	L	.		1070110	A	
LIN07									
1073350	22R22	8.1	010	S	-BCR		1073350	A	
	28S19	8.1T	015	L	.		1072590	A	
LI07-0									
1073370	04K44	1.5	010	S	-B		1073370	A	
	05K30	.5	020	L	.		5140110	A	
	06K30	.5	030	L	.		5140210	A	
	07K30	.5	040	L	.		5140310	A	
	08K30	12.4	050	L	.		5140410	A	
	13M22	13.4	060	L	.		1073372	A	
	20K30	.5	070	L	.		5140430	A	
	21K30	.5	080	L	.		5140330	A	
	22K30	.5	090	L	.		5140230	A	
	23K30	2.6	100	L	.		5140130	A	
	28K28	32.9T	105	T	T		1073370	A	
LI07-1									
1073372	13M27	7.3	010	S	B		1073372	A	
	01M09	21.0	020	C	C		1073372	A	
	01R09	7.1	030	C	C		1073372	A	
	01S30	.5	040	L	.		5140150	A	
	02S30	.5	050	L	.		5140250	A	
	03S30	.5	060	L	.		5140350	A	
	04S30	7.2	070	L	.		5140450	A	
	08T30	.5	080	L	.		5140470	A	
	07T30	.5	090	L	.		5140370	A	
	06T30	.5	100	L	.		5140270	A	
	05T30	.5	110	L	.		5140170	A	
	04T30	.5	120	L	.		5140490	A	
	03T30	.5	130	L	.		5140390	A	
	02T30	.5	140	L	.		5140290	A	
	01T30	4.8	150	L	.		5140190	A	
	01S39	52.4T	155	T	T		1073372	A	
LOCK7									
1073600	01N01	.5	010	S	-HSM		1073600	A	
	02N01	.5	020	S	-HSM		1073601	A	
	03N01	.5	030	S	-HSM		1073602	A	
	04N01	4.1	040	S	-HSM		1073603	A	
	06N43	1.5	050	L	.		5754011	A	
	09N43	7.1T	055	T	T		1073600	A	
MB7									
1074100	12M22	12.6	010	S	-BCR		1074100	A	
	28L30	12.6T	015	L	.		1070502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
-----	-----	-----	-----	---	---	---	-----	---	-----
1	8	15	21	28	33	37	41	77	
1074150-1	13M35	1.4	010	S	B		1074150	A	
	12M23	1.4T	015	L	*		1074150	A	
MC7									
1074200	05L08	3.5	010	L	.		1070124	A	
	11L05	6.1	020	L	.		4385902	A	
	10M06	5.2	030	C	C		1074200	A	
	10N06	1.3	040	C	C		1074200	A	
	12N05	15.8	050	S	FF		1074200	A	
	20Q24	31.9T	055	L	.		6040600	A	
NMC7									
1074201	07N17	1.1	010	L	.		3691100	A	
	07N28	2.3	020	L	.		6041032	A	
	08N07	3.0	030	L	.		6047900	A	
	12N22	.5	040	S	NFF		1074201	A	
	12N27	2.8	050	L	.		1044208	A	
	16N12	.5	060	L	.		2371070	A	
	17N12	12.6	070	L	.		2081070	A	
	20Q19	22.8T	075	L	.		6047910	A	
1074202-1	12N12	4.5	010	S	+		1074202	A	
	12P02	4.5T	015	S	+		1074206	A	
1074210-1	12N03	.0T	005	S	+		1074212	A	I
(S/MC7)									
1074225	17B01	8.4	010	S	B		1074225	A	
	16C37	5.2	020	C	C		1074225	A	
	16D37	8.1	030	C	C		1074225	A	
	01D29	15.5	040	C	C		1074225	A	
	32N29	13.3	050	C	C		1074225	A	
	12P03	6.5	060	L	.		1074206	A	
	19N33	57.0T	065	T	T		1074225	A	
MFL7									
1074280	31N42	9.6	010	S	-BCR		1074280	A	
	18P17	6.5	020	L	.		1074290	A	
	15Q10	16.1T	025	L	.		1310118	A	
07									
1074500	23L06	8.7	010	S	FF		1074500	A	
	16M09	13.6	020	L	.		1074550	A	
	24K21	4.4	025	L	.		1074530	U	
	32K27	15.5	030	C	C		1074500	A	
	01A27	5.9	040	C	C		1074500	A	
	03B24	3.3	050	L	.		4324900	A	
	03A50	1.5	060	L	.		6631500	A	
	03A33	1.5	070	L	.		6631300	A	
	03A14	2.0	080	L	.		6631100	A	
	04A33	1.5	090	L	.		6630300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		04A50	1.3	100	L	.	6630500	A	
		05A43	1.2	110	L	.	6630900	A	
		05A28	.8	120	L	.	6630700	A	
		06A24	1.3	130	L	.	4320502	A	
		08A28	.6	140	L	.	6630140	A	
		09A30	7.5	150	L	.	6630150	A	
		17B05	.5	160	L	.	3078800	A	
		18B05	5.5	170	L	.	4323359	A	
		23B45	6.0	180	L	.	6038040	A	
		17C15	3.0	190	L	.	1316632	A	
		11C15	5.2	200	C	C	1074500	A	
		11D15	5.7	210	C	C	1074500	A	
		11E18	.5	220	L	.	5030500	A	
		11E23	5.1	230	L	.	8031100	A	
		11F18	2.6	240	L	.	2405910	A	
		06F23	3.3	250	L	.	4384220	F	
		06E50	108.0T	255	T	T	1074500	A	
N07									
1074502		23L07	7.9	010	S	NFF	1074502	A	
		32K28	15.5	020	C	C	1074502	A	
		01A28	6.0	030	C	C	1074502	A	
		03B23	3.7	040	L	.	4324800	A	
		03A43	1.2	050	L	.	6631400	A	
		03A28	.5	060	L	.	6631200	A	
		04A28	1.0	070	L	.	6630200	A	
		04A14	.5	080	L	.	6630000	A	
		05A14	1.5	090	L	.	6630600	A	
		05A33	1.2	100	L	.	6630800	A	
		04A43	.9	110	L	.	6630400	A	
		05A50	1.6	120	L	.	6631000	A	
		06A39	2.2	130	L	.	4320504	A	
		10A44	5.6	140	L	.	4421402	A	
		19A33	13.7	150	L	.	6927120	A	
		14C43	11.3	160	L	.	2841352	A	
		31C05	5.2	170	C	C	1074502	A	
		31D05	17.2	180	C	C	1074502	A	
		11E28	2.0	190	L	.	8019100	A	
		14E33	7.6	200	L	.	3107044	A	
		08F25	1.0	210	L	.	5779102	A	
		10F25	107.3T	215	T	T	1074502	A	
07-1									
1074530		24K28	16.0	010	S	B	1074530	U	
		21N15	24.8	020	J	J	1074530	U	
		05R26	9.3	030	L	.	6240400	U	
		20R02	50.1T	035	T	T	1074530	U	
N07-FP									
1074550		16M10	11.0	010	S	I	1074550	A	
		32L43	11.0T	015	C	C	1074550	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERRROR FLAGS
1	8	15	21	28	33	37	41	77	
OVLN7									
1074600	30S02	2.3	010	S	I		1074600	A	
	28S20	.5	020	L	.		1072590	A	
	27S20	2.8T	025	T	T		1074600	A	
PR7									
1075500	28L01	5.3	010	S	B		1075500	A	
	29K07	5.3T	015	L	.		1042752	A	
RR7									
1076300	05K01	.5	010	S	-HSM		1076302	A	
	06K01	.5	020	S	-HSM		1076304	A	
	07K01	.5	030	S	-HSM		1076306	A	
	08K01	.5	040	S	-HSM		1076308	A	
	09K01	.5	050	S	-HSM		1076310	A	
	10K01	.5	060	S	-HSM		1076312	A	
	11K01	.5	070	S	-HSM		1076314	A	
	12K01	3.4	080	S	-HSM		1076316	A	
	13K42	6.8	090	S	-BCR		1076300	A	
	05L10	13.5	100	L	.		1070116	A	
	28L35	3.8	110	L	.		1070502	A	
	30M03	31.0T	115	T	T		1076300	A	
1076330-1	14L45	5.7	010	S	B		1076330	A	
	13K45	5.7T	015	L	*		1076330	A	
RW7									
1076340	16L34	12.3	010	T	T		1076340	B	
	05K11	.5	020	L	.		1072600	A	
	06K11	.5	030	L	.		1072602	A	
	07K11	.5	040	L	.		1072604	A	
	08K11	.5	050	L	.		1072606	A	
	09K11	.5	060	L	.		1076220	A	
	10K11	.5	070	L	.		1076222	A	
	11K11	.5	080	L	.		1076224	A	
	12K11	6.7	090	L	.		1076226	A	
	13L26	22.5T	095	S	B		1076340	A	
S7									
1076500	28L17	3.8	010	S	I		1076500	A	
	21L21	5.0	020	L	.		1070312	A	
	20M08	3.2	030	L	.		4100102	A	
	16M24	2.3	040	L	.		1072100	A	
	13M39	8.2	050	L	.		1074150	A	
	17L22	2.8	060	L	.		1076560	A	
	14L43	2.0	070	L	.		1076330	A	
	13L24	6.4	080	L	.		1076340	A	
	02L36	3.2	090	L	.		1060112	A	
	02M07	1.8	100	L	.		1080114	A	
	05M11	5.2	110	C	C		1076500	A	
	05N11	2.0	120	C	C		1076500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		01N11	.5	130	L	.	1073400	A	
		02N11	.5	140	L	.	1073401	A	
		03N11	.5	150	L	.	1073402	A	
		04N11	4.3	160	L	.	1073403	A	
		12N07	6.2	170	L	.	1074202	A	
		11P13	6.9	180	L	.	4385002	A	
		24P04	1.0	190	L	.	7500740	A	
		22P04	65.8T	195	T	T	1076500	A	
A8									
1080100	02L31	5.1	010	L	.	.	1000110	A	
	03M23	11.1	020	S	FF	.	1080100	A	
	25M18	12.0	030	L	.	.	1080140	A	
	01M18	21.0	040	C	C	.	1080100	A	
	01R18	15.6	050	C	C	.	1080100	A	
	17S50	3.0	060	L	.	.	1324908	A	
	11S50	67.8T	065	T	T	.	1080100	A	
NA8									
1080104	03M25	9.7	010	S	NFF	.	1080104	A	
	15L42	2.4	020	L	.	.	1080138	A	
	18L30	12.1T	025	L	.	.	4385900	A	
1080110-1	02M18	.9	010	S	+	.	1080114	A	
	03M12	.9T	015	S	+	.	1080120	A	
A8-1									
1080138	15L44	13.7	010	S	I	.	1080138	A	
	32M44	25.0	020	C	C	.	1080138	A	
	03E44	17.6	030	C	C	.	1080138	A	
	28F42	1.8	040	L	.	.	1080160	A	
	26F29	58.1T	045	T	T	.	1080138	A	
(S/A8)									
1080150	28F41	18.5	010	S	I	.	1080150	A	
	03E31	25.0	020	C	C	.	1080150	A	
	32M31	15.5	030	C	C	.	1080150	A	
	03M17	6.8	040	L	.	.	1080120	A	
	01L09	65.8T	045	T	T	.	1080150	A	
N(S/A8)									
1080160	28F06	2.8	010	S	I	.	1080162	A	
	28F44	.4	020	S	I	.	1080160	A	
	28F38	1.0	030	L	.	.	1080150	A	
	26F38	4.2T	035	T	T	.	1080160	A	
B8									
1080300	21L43	3.4	010	L	.	.	1070310	A	
	19M05	2.1	020	L	.	.	2500078	A	
	20M27	2.9	030	S	FF	.	1080300	A	
	25M33	8.4T	035	L	.	.	1086504	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NB8									
1080304	20M28	.0T	005	S	NFF		1080304	A	I
1080310-1	19M18	2.9	010	S	+		1080312	A	
	20M50	2.9T	015	S	+		1080310	A	
(S/B8)									
1080350	11L13	4.1	010	S	B		1080350	A	
	18L21	8.2	020	L	.		2500800	A	
	20M47	4.5	030	L	.		1080314	A	
	11M47	16.8T	035	T	T		1080350	A	
C8									
1080500	28K50	2.2	010	T	T		1080500	A	
	28L10	9.5	020	L	.		1071310	A	
	23M37	2.6	030	L	.		1286204	A	
	25M15	14.3T	035	S	FB		1080500	A	
CNLN8									
1080850	20S47	7.1	010	S	I		1080850	A	
	28S02	.5	020	L	.		1082592	A	
	27S02	7.6T	025	T	T		1080850	A	
DB									
1081300	25M23	5.8	010	S	FF		1081300	A	
	18M50	5.2	020	C	C		1081300	A	
	18N50	5.1	030	C	C		1081300	A	
	17P42	10.2	040	L	.		7828820	A	
	13N02	11.3	050	L	.		1081340	A	
	02P13	.5	060	L	.		1161312	A	
	01P13	38.1T	065	T	T		1081300	A	
ND8-1									
1081340	13N05	7.9	010	S	I		1081340	A	
	10P21	5.0	020	L	.		7829032	A	
	09N31	12.9T	025	T	T		1081340	A	
DI08									
1081500	09M27	2.0	010	S	-BCR		1081500	A	
	08M47	2.0T	015	L	.		1081512	A	
DI08/1									
1081510	03M34	3.3	010	L	.		1080116	A	
	08M27	.6	020	S	FF		1081510	A	
	09M25	3.9T	025	L	*		1081520	A	
NDI08/1									
1081511	08M28	.0T	005	S	NFF		1081511	A	I
1081512-1	06M04	4.4	010	S	+		1081513	A	
	08M50	4.4T	015	S	+		1081512	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
FP8									
1082100	16M34	.8	010	S	I		1082100	A	
	17M37	1.4	020	L	.		1086560	A	
	19M31	12.9	030	L	.		1080316	A	
	31L09	.5	040	T	T		1082100	A	
	32L09	15.6T	045	C	C		1082100	A	
G8									
1082500	25M06	10.0	010	S	B		1082500	A	
	30K46	10.0T	015	L	.		4500200	A	
IN8									
1082580	29R30	.0T	005	S	FF		1082580	A	I
INT8									
1082590	28S13	8.6	010	S	B		1082590	A	
	17R41	8.6T	015	L	.		1314908	A	
IOFR8									
1082640	21M02	6.5	010	S	FF		1082640	A	
	18L03	13.6	020	L	.		5153283	N	
	01M01	21.0	030	C	C		1082640	A	
	01R01	2.5	040	C	C		1082640	A	
	04R15	12.6	050	L	.		1244990	A	
	01T20	.5	060	L	.		5140182	A	
	02T20	.5	070	L	.		5140282	A	
	03T20	.5	080	L	.		5140382	A	
	04T20	5.7	090	L	.		5140482	A	
	14T30	6.9	100	L	.		1082645	A	
	01T39	70.3T	105	T	T		1082640	B	
NIOFR8									
1082641	21M21	11.3	010	S	NFF		1082641	A	
	23K20	.5	020	L	.		5140122	A	
	22K20	.5	030	L	.		5140222	A	
	21K20	.5	040	L	.		5140322	A	
	20K20	6.0	050	L	.		5140422	A	
	08K20	.5	060	L	.		5140402	A	
	07K20	.5	070	L	.		5140302	A	
	06K20	.5	080	L	.		5140202	A	
	05K20	1.6	090	L	.		5140102	A	
	05K42	21.9T	095	T	T		1082641	B	
1082642-1	21M18	.0T	005	S	+		1082642	A	I
NIOFR8-1									
1082645	14T46	13.7	010	S	I		1082645	A	
	01S20	.5	020	L	.		5140142	A	
	02S20	.5	030	L	.		5140242	A	
	03S20	.5	040	L	.		5140342	A	
	04S20	5.7	050	L	.		5140442	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	05T20	.5	060	L	.		5140162	A	
	06T20	.5	070	L	.		5140262	A	
	07T20	.5	080	L	.		5140362	A	
	08T20	4.4	090	L	.		5140462	A	
	01T08	26.8T	095	T	T		1082645	B	
IOLN8									
1082650	20S44	7.5	010	S	I		1082650	A	
	28S01	.5	020	L	.		1082592	A	
	27S01	8.0T	025	T	T		1082650	A	
(S/10FR8)									
1082655	08C12	11.2	010	S	I		1082655	A	
	01A47	15.5	020	C	C		1082655	A	
	32K47	14.3	030	C	C		1082655	A	
	21M25	.5	040	L	.		1082642	A	
	22M25	41.5T	045	T	T		1082655	A	
IP8									
1082660	29R02	.0T	005	S	FF		1082660	A	I
IS8									
1082680	29R10	.0T	005	S	FF		1082680	A	I
K8									
1082750	30K26	14.5	010	S	B		1082750	A	
	25M46	14.5T	015	L	.		1086500	A	
KS8									
1083050	17M01	9.3	010	S	-NS		1083050	A	
	02M22	9.3T	015	L	.		1080110	A	
LIN08									
1083350	22R27	6.4	010	S	-BCR		1083350	A	
	28S04	6.4T	015	L	.		1082590	A	
MB8									
1084100	12M27	7.0	010	S	-BCR		1084100	A	
	25M36	7.0T	015	L	.		1080502	A	
1084150-1	11L45	4.2	010	S	B		1084150	A	
	12M25	4.2T	015	L	*		1084150	A	
OVLN8									
1084600	20S18	5.4	010	S	I		1084600	A	
	28S03	.5	020	L	.		1082590	A	
	27S03	5.9T	025	T	T		1084600	A	
PR8									
1085500	25M02	10.2	010	S	B		1085500	A	
	30K43	10.2T	015	L	.		4500201	A	



DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 1086300
 TYPE-PINLIST

60
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
RR8									
1086300	15K20	2.3	010	S	-BCR		1086300	A	
	16K43	.5	020	S	-HSM		1086302	A	
	17K43	.5	030	S	-HSM		1086304	A	
	18K43	.5	040	S	-HSM		1086306	A	
	19K43	.5	050	S	-HSM		1086308	A	
	20K43	.5	060	S	-HSM		1086310	A	
	21K43	.5	070	S	-HSM		1086312	A	
	22K43	.5	080	S	-HSM		1086314	A	
	23K43	11.2	090	S	-HSM		1086316	A	
	25M39	12.1	100	L	.		1080502	A	
	03M26	4.4	110	L	.		1080116	A	
	01L50	33.5T	115	T	T		1086300	A	
1086330-1	14L17	5.6	010	S	B		1086330	A	
	15K19	5.6T	015	L	*		1086330	A	
RW8									
1086340	13L34	6.9	010	S	B		1086340	A	
	16K35	.5	020	L	.		1086226	A	
	17K35	.5	030	L	.		1086224	A	
	18K35	.5	040	L	.		1086222	A	
	19K35	.5	050	L	.		1086220	A	
	20K35	.5	060	L	.		1082606	A	
	21K35	.5	070	L	.		1082604	A	
	22K35	.5	080	L	.		1082602	A	
	23K35	9.4	090	L	.		1082600	A	
	16L40	19.8T	095	T	T		1086340	B	
S8									
1086500	25M19	3.5	010	S	I		1086500	A	
	19M22	2.2	020	L	.		1080312	A	
	17M38	.6	030	L	.		1086560	A	
	16M40	9.0	040	L	.		1082100	A	
	14L01	4.3	050	L	.		1086330	A	
	11L39	.9	060	L	.		1084150	A	
	13L40	5.4	070	L	.		1086340	A	
	02L43	4.4	080	L	.		1070112	A	
	06M05	2.0	090	L	.		1081513	A	
	02M05	1.1	100	L	.		1100114	A	
	01M13	21.0	110	C	C		1086500	A	
	01R13	11.1	120	C	C		1086500	A	
	11S25	3.5	130	T	T		1086500	A	
	18S25	69.0T	135	L	.		6025102	A	
A9									
1090100	02L30	5.0	010	L	.		1010110	A	
	03M19	11.2	020	S	FF		1090100	A	
	25M24	1.3	030	L	.		1090140	A	
	24M11	5.2	040	C	C		1090100	A	
	24N11	1.8	050	C	C		1090100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	25N30	11.0	060	L	.		1090138	A	
	19Q01	5.2	070	C	C		1090100	A	
	19R01	9.5	080	C	C		1090100	A	
	17S45	3.0	090	L	.		1334906	A	
	11S45	53.2T	095	T	T		1090100	A	
NA9									
1090104	03M21	12.7	010	S	NFF		1090104	A	
	18L18	12.7T	015	L	.		4385900	A	
1090110-1	02M13	1.5	010	S	+		1090110	A	
	03M28	1.5T	015	S	+		1090110	A	
A9-1									
1090138	25N46	4.3	010	S	B		1090138	A	
	32N39	15.5	020	C	C		1090138	A	
	01D39	23.2	030	C	C		1090138	A	
	28F30	4.7	040	L	.		2020010	A	
	26E50	47.7T	045	T	T		1090138	A	
B9									
1090300	19M17	1.5	010	L	.		2500078	A	
	20M31	3.7	020	S	FF		1090300	A	
	25M47	5.2T	025	L	.		1096504	A	
NB9									
1090304	20M26	.0T	005	S	NFF		1090304	A	I
1090310-1	19M13	2.8	010	S	+		1090316	A	
	20M46	2.8T	015	S	+		1090314	A	
(S/B9)									
1090350	21L40	5.7	010	S	I		1090350	A	
	20M43	9.5	020	L	.		1090314	A	
	12L39	2.0	030	L	.		2500900	A	
	16L39	17.2T	035	T	T		1090350	A	
N(S/B9)									
1090360	12L33	.1	010	S	I		1090362	A	
	12L35	2.9	020	S	I		1090360	A	
	16L47	2.6	030	T	T		1090360	A	
	21L50	5.6T	035	L	.		1090350	A	
C9									
1090500	25M05	4.6	010	S	FB		1090500	A	
	23M50	3.5	020	L	.		1296204	A	
	30M50	8.1T	025	T	T		1090500	A	
D9									
1091300	25M28	.5	010	S	FF		1091300	A	
	24M28	5.2	020	C	C		1091300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		24N28	15.0	030	C	C	1091300	A	
		02P12	.6	040	L	.	1171312	A	
		01P14	21.3T	045	T	T	1091300	A	
D109									
1091500	09M34	.9	010	S	-BCR	.	1091500	A	
	08M43	.9T	015	L	.	.	1091512	A	
D109/1									
1091510	03M42	3.6	010	L	.	.	1090116	A	
	08M31	.6	020	S	FF	.	1091510	A	
	09M33	4.2T	025	L	*	.	1091520	A	
ND109/1									
1091511	08M26	.0T	005	S	NFF	.	1091511	A	I
1091512-1	06M03	4.1	010	S	+	.	1091513	A	
	08M46	4.1T	015	S	+	.	1091512	A	
FP9									
1092100	16M35	.6	010	S	I	.	1092100	A	
	17M33	.9	020	L	.	.	1096560	A	
	19M30	12.7	030	L	.	.	1090316	A	
	31L10	.5	040	T	T	.	1092100	A	
	32L10	14.7T	045	C	C	.	1092100	A	
G9									
1092500	25M04	10.0	010	S	B	.	1092500	A	
	30K44	10.0T	015	L	.	.	4500201	A	
IN9									
1092580	29R31	.0T	005	S	FF	.	1092580	A	I
NIN9									
1092581	29R46	.0T	005	S	NFF	.	1092581	A	I
INT9									
1092590	26A43	1.5	010	T	T	.	1092589	A	
	29A43	25.3	020	L	.	.	5138002	A	
	01C50	31.2	030	C	C	.	1092589	A	
	32Q50	4.4	040	C	C	.	1092589	A	
	24Q43	5.2	050	C	C	.	1092589	A	
	24R43	4.9	060	C	C	.	1092589	A	
	28S14	72.5T	065	S	B	.	1092589	A	
IOFR9-1									
1092635	03R12	6.8	010	S	B	.	1092635	B	
	01S23	.5	020	L	.	.	5140144	B	
	02S23	.5	030	L	.	.	5140244	B	
	03S23	.5	040	L	.	.	5140344	B	
	04S23	6.7	050	L	.	.	5140444	B	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		01T23	.5	060	L	.	5140184	B	
		02T23	.5	070	L	.	5140284	B	
		03T23	.5	080	L	.	5140384	B	
		04T23	.5	090	L	.	5140484	B	
		05T23	.5	100	L	.	5140164	B	
		06T23	.5	110	L	.	5140264	B	
		07T23	.5	120	L	.	5140364	B	
		08T23	5.0	130	L	.	5140464	B	
		01T40	23.5T	140	T	T	1092635	B	
I0FR9									
1092640	21M33	12.2	010	S	FF		1092640	B	
	23K23	.5	020	L	.		5140124	A	
	22K23	.5	030	L	.		5140224	A	
	21K23	.5	040	L	.		5140324	A	
	20K23	6.0	050	L	.		5140424	A	
	08K23	.5	060	L	.		5140404	A	
	07K23	.5	070	L	.		5140304	A	
	06K23	.5	080	L	.		5140204	A	
	05K23	11.6	090	L	.		5140104	A	
	01M11	21.0	100	C	C		1092640	A	
	01R11	1.4	110	C	C		1092640	A	
	04R12	.9	120	L	.		1254990	A	
	03R06	18.0	125	L	.		1092635	B	
	14T31	5.4	250	L	.		1092645	A	
	05T40	79.5T	260	T	T		1092640	B	
N10FR9									
1092641	21M34	12.4	010	S	NFF		1092641	B	
	23K25	.5	020	L	.		5140122	A	
	22K25	.5	030	L	.		5140222	A	
	21K25	.5	040	L	.		5140322	A	
	20K25	6.0	050	L	.		5140422	A	
	08K25	.5	060	L	.		5140402	A	
	07K25	.5	070	L	.		5140302	A	
	06K25	.5	080	L	.		5140202	A	
	05K25	10.0	090	L	.		5140102	A	
	23K39	31.4T	095	T	T		1092641	B	
1092642-1	21M39	.0T	005	S	+		1092642	B	I
N10FR9-1									
1092645	14T47	13.4	010	S	I		1092645	A	
	01S25	.5	020	L	.		5140142	A	
	02S25	.5	030	L	.		5140242	A	
	03S25	.5	040	L	.		5140342	A	
	04S25	6.7	050	L	.		5140442	A	
	01T25	.5	060	L	.		5140182	A	
	02T25	.5	070	L	.		5140282	A	
	03T25	.5	080	L	.		5140382	A	
	04T25	.5	090	L	.		5140482	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	05T25	.5	100	L	.		5140162	A	
	06T25	.5	110	L	.		5140262	A	
	07T25	.5	120	L	.		5140362	A	
	08T25	5.0	130	L	.		5140462	A	
	01T42	30.1T	135	T	T		1092645	B	
(S/IOFR9)									
1092655	08C33	13.1	010	S	I		1092655	A	
	01A46	15.5	020	C	C		1092655	A	
	32K46	14.9	030	C	C		1092655	A	
	21M35	1.0	040	L	.		1092642	B	
	22M24	44.5T	045	T	T		1092655	A	
IP9									
1092660	29R21	.0T	005	S	FF		1092660	A	I
IS9									
1092680	29R13	.0T	005	S	FF		1092680	A	I
NIS9									
1092681	29R18	.0T	005	S	NFF		1092681	A	I
1092687-1									
	29R20	.6	010	C	C		1092687	A	
	29R12	.6T	015	C	C		1092687	A	
K9									
1092750	30K27	14.1	010	S	B		1092750	A	
	25M38	14.1T	015	L	.		1096500	A	
KS9									
1093050	17M02	8.8	010	S	-NS		1093050	A	
	02M20	8.8T	015	L	.		1090110	A	
MB9									
1094100	12M34	6.8	010	S	-BCR		1094100	A	
	25M30	6.8T	015	L	.		1090502	A	
1094150-1									
	11L46	4.9	010	S	B		1094150	A	
	12M33	4.9T	015	L	*		1094150	A	
PR9									
1095500	25M01	9.8	010	S	B		1095500	A	
	30K40	9.8T	015	L	.		4500202	A	
RR9									
1096300	15K22	2.0	010	S	-BCR		1096300	A	
	16K41	.5	020	S	-HSM		1096302	A	
	17K41	.5	030	S	-HSM		1096304	A	
	18K41	.5	040	S	-HSM		1096306	A	
	19K41	.5	050	S	-HSM		1096308	A	
	20K41	.5	060	S	-HSM		1096310	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	21K41	.5	070	S	-HSM		1096312	A	
	22K41	.5	080	S	-HSM		1096314	A	
	23K41	11.0	090	S	-HSM		1096316	A	
	25M35	11.6	100	L	.		1090502	A	
	03M40	5.6	110	L	.		1100122	A	
	01L47	33.7T	115	T	T		1096300	A	
1096330-1	14L05	4.4	010	S	B		1096330	A	
	15K23	4.4T	015	L	*		1096330	A	
RW9									
1096340	13L35	6.5	010	S	B		1096340	A	
	16K34	.5	020	L	.		1096226	A	
	17K34	.5	030	L	.		1096224	A	
	18K34	.5	040	L	.		1096222	A	
	19K34	.5	050	L	.		1096220	A	
	20K34	.5	060	L	.		1092606	A	
	21K34	.5	070	L	.		1092604	A	
	22K34	.5	080	L	.		1092602	A	
	23K34	8.7	090	L	.		1092600	A	
	16L37	18.7T	095	T	T		1096340	B	
S9									
1096500	01L30	4.9	010	T	T		1096500	A	
	02M17	2.8	020	L	.		1100114	A	
	06M02	4.9	030	L	.		1091513	A	
	11L40	1.3	040	L	.		1094150	A	
	13L39	3.0	050	L	.		1096340	A	
	14L02	9.1	060	L	.		1096330	A	
	16M39	.6	070	L	.		1092100	A	
	17M34	2.0	080	L	.		1096560	A	
	19M20	3.5	090	L	.		1090312	A	
	25M17	32.1T	095	S	B		1096502	A	
A10									
1100100	02L34	5.6	010	L	.		1020110	A	
	03M31	12.2	020	S	FF		1100100	A	
	26M18	17.8T	025	L	.		1100140	A	
NA10									
1100104	03M29	12.6	010	S	NFF		1100104	A	
	18L31	12.6T	015	L	.		4385900	A	
1100110-1	02M11	2.4	010	S	+		1100110	A	
	03M37	2.4T	015	S	+		1100110	A	
B10									
1100300	19M45	1.3	010	L	.		2500080	A	
	20M30	3.3	020	S	FF		1100300	A	
	26M33	4.6T	025	L	.		1106504	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NB10									
1100304	20M29	.0T	005	S	NFF		1100304	A	I
1100310-1	19M11	2.7	010	S	+		1100310	A	
	20M41	2.7T	015	S	+		1100310	A	
(S/B10)									
1100350	06L07	14.7	010	S	B		1100350	A	
	20M42	13.6	020	L	.		1100314	A	
	26K40	3.0	030	L	.		1140350	A	
	32K40	15.5	040	C	C		1100350	A	
	01A40	8.3	050	C	C		1100350	A	
	11B13	2.5	060	L	.		1100370	A	
	06B13	57.6T	065	T	T		1100350	A	
N(S/B10)									
1100370	11B15	6.6	010	S	I		1100370	A	
	11C30	5.2	020	C	C		1100370	A	
	11D30	14.2	030	C	C		1100370	A	
	30E21	2.0	040	T	T		1100370	A	
	26E21	28.0T	045	L	.		7417500	A	
C10									
1100500	30M06	3.5	010	T	T		1100500	A	
	23M06	1.3	020	L	.		1306204	A	
	25M10	1.0	030	L	.		1091310	A	
	26M15	5.8T	035	S	FB		1100500	A	
D10									
1101300	26M23	1.0	010	S	FF		1101300	A	
	24M23	5.2	020	C	C		1101300	A	
	24N23	15.0	030	C	C		1101300	A	
	03P13	1.1	040	L	.		1181312	A	
	01P15	22.3T	045	T	T		1101300	A	
D1010									
1101500	09M36	.9	010	S	-BCR		1101500	A	
	08M42	.9T	015	L	.		1101512	A	
D1010/1									
1101510	03M47	3.5	010	L	.		1100116	A	
	08M30	1.0	020	S	FF		1101510	A	
	09M35	4.5T	025	L	*		1101520	A	
ND1010/1									
1101511	08M29	.0T	005	S	NFF		1101511	A	I
1101512-1	06M09	3.4	010	S	+		1101513	A	
	08M41	3.4T	015	S	+		1101512	A	
FP10									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1102100	16M41	1.0	010	S	I		1102100	A	
	17M30	1.3	020	L	.		1106560	A	
	19M34	13.2	030	L	.		1100316	A	
	31L11	.5	040	T	T		1102100	A	
	32L11	16.0T	045	C	C		1102100	A	
G10									
1102500	26M06	9.2	010	S	B		1102500	A	
	30K50	9.2T	015	L	.		4500201	A	
IN10									
1102580	30R30	.0T	005	S	FF		1102580	A	I
IP10									
1102660	30R02	.0T	005	S	FF		1102660	A	I
IS10									
1102680	30R10	.0T	005	S	FF		1102680	A	I
K10									
1102750	30K25	14.3	010	S	B		1102750	A	
	26M46	14.3T	015	L	.		1106500	A	
KS10									
1103050	17M03	9.0	010	S	-NS		1103050	A	
	02M23	9.0T	015	L	.		1100110	A	
MB10									
1104100	12M36	7.0	010	S	-BCR		1104100	A	
	26M36	7.0T	015	L	.		1100502	A	
1104150-1									
	13M47	1.4	010	S	B		1104150	A	
	12M35	1.4T	015	L	*		1104150	A	
PR10									
1105500	26M02	10.0	010	S	B		1105500	A	
	30K39	10.0T	015	L	.		4500202	A	
RR10									
1106300	15K27	1.8	010	S	-BCR		1106300	A	
	16K09	.5	020	S	-HSM		1106302	A	
	17K09	.5	030	S	-HSM		1106304	A	
	18K09	.5	040	S	-HSM		1106306	A	
	19K09	.5	050	S	-HSM		1106308	A	
	20K09	.5	060	S	-HSM		1106310	A	
	21K09	.5	070	S	-HSM		1106312	A	
	22K09	.5	080	S	-HSM		1106314	A	
	23K09	14.2	090	S	-HSM		1106316	A	
	26M39	12.7	100	L	.		1100502	A	
	03M24	4.6	110	L	.		1100116	A	
	01L46	36.8T	115	T	T		1106300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1106330-1	14L19	5.3	010	S	B		1106330	A	
	15K25	5.3T	015	L	*		1106330	A	
RH10									
1106340	13L41	8.4	010	S	B		1106340	A	
	16K19	.5	020	L	.		1106226	A	
	17K19	.5	030	L	.		1106224	A	
	18K19	.5	040	L	.		1106222	A	
	19K19	.5	050	L	.		1106220	A	
	20K19	.5	060	L	.		1102606	A	
	21K19	.5	070	L	.		1102604	A	
	22K19	.5	080	L	.		1102602	A	
	23K19	10.4	090	L	.		1102600	A	
	16L41	22.3T	095	T	T		1106340	B	
S10									
1106500	30S47	7.8	010	T	T		1106500	A	
	18S24	11.8	020	L	.		3800004	A	
	01R50	21.0	030	C	C		1106500	A	
	01M50	1.1	040	C	C		1106500	A	
	02M45	4.3	050	L	.		1100112	A	
	06M10	6.6	060	L	.		1101513	A	
	13L38	3.4	070	L	.		1106340	A	
	14L03	7.8	080	L	.		1106330	A	
	13M31	1.9	090	L	.		1104150	A	
	16M38	1.2	100	L	.		1102100	A	
	17M28	1.6	110	L	.		1106560	A	
	19M23	3.8	120	L	.		1100312	A	
	26M19	72.3T	125	S	I		1106500	A	
A11									
1110100	02L28	5.8	010	L	.		1030110	A	
	03M27	11.4	020	S	FF		1110100	A	
	26M24	17.2T	025	L	.		1110140	A	
NA11									
1110104	03M22	13.4	010	S	NFF		1110104	A	
	18L17	13.4T	015	L	.		4385900	A	
1110110-1									
	02M38	1.0	010	S	+		1110110	A	
	03M35	1.0T	015	S	+		1110120	A	
B11									
1110300	19M44	1.6	010	L	.		2500080	A	
	20M33	4.0	020	S	FF		1110300	A	
	26M47	5.6T	025	L	.		1116504	A	
NB11									
1110304	20M34	.0T	005	S	NFF		1110304	A	I
1110310-1	19M38	.7	010	S	+		1110310	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	20M39	.7T	015	S	+		1110310	A	
(S/B11)									
1110350	27K13	15.6	010	S	B		1110350	A	
	20M35	11.2	020	L	.		1110314	A	
	12L09	2.0	030	L	.		1110360	A	
	16L09	28.8T	035	T	T		1110350	A	
N(S/B11)									
1110360	12L02	1.5	010	S	I		1110360	A	
	12L22	2.0	020	L	.		1140355	A	
	16L22	3.5T	025	T	T		1110360	A	
C11									
1110500	26M05	1.6	010	S	FB		1110500	A	
	23M07	3.5	020	L	.		1316204	A	
	30M07	5.1T	025	T	T		1110500	A	
D11									
1111300	26M28	.8	010	S	FF		1111300	A	
	24M29	5.2	020	C	C		1111300	A	
	24N29	14.7	030	C	C		1111300	A	
	03P12	1.1	040	L	.		1191312	A	
	01P17	21.8T	045	T	T		1111300	A	
D1011									
1111500	09M38	.6	010	S	-BCR		1111500	A	
	08M35	.6T	015	L	.		1111512	A	
D1011/1									
1111510	03M45	3.4	010	L	.		1110116	A	
	08M33	.8	020	S	FF		1111510	A	
	09M37	4.2T	025	L	*		1111520	A	
ND1011/1									
1111511	08M34	.0T	005	S	NFF		1111511	A	I
1111512-1	06M17	2.6	010	S	+		1111513	A	
	08M39	2.6T	015	S	+		1111512	A	
FP11									
1112100	16M36	1.6	010	S	I		1112100	A	
	17M25	1.1	020	L	.		1116560	A	
	19M28	12.4	030	L	.		1110316	A	
	31L12	.5	040	T	T		1112100	A	
	32L12	15.6T	045	C	C		1112100	A	
G11									
1112500	26M04	9.5	010	S	B		1112500	A	
	30K47	9.5T	015	L	.		4500202	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
IN11									
1112580	30R31	.0T	005	S	FF		1112580	A	I
NIN11									
1112581	30R46	.0T	005	S	NFF		1112581	A	I
IP11									
1112660	30R21	.0T	005	S	FF		1112660	A	I
IS11									
1112680	30R13	.0T	005	S	FF		1112680	A	I
NIS11									
1112681	30R18	.0T	005	S	NFF		1112681	A	I
1112687-1	30R20	.6	010	C	C		1112687	A	
	30R12	.6T	015	C	C		1112687	A	
K11									
1112750	28K41	.9	010	T	T		1112750	A	
	30K42	12.2	020	L	.		1102751	A	
	26M38	1.8	030	L	.		1116502	A	
	24M25	5.2	040	C	C		1112750	A	
	24N25	4.5	050	C	C		1112750	A	
	15N25	24.6T	055	S	B		1112750	A	
KS11									
1113050	17M04	8.8	010	S	-NS		1113050	A	
	02M25	8.8T	015	L	.		1110110	A	
MB11									
1114100	12M38	7.6	010	S	-BCR		1114100	A	
	26M30	7.6T	015	L	.		1110502	A	
1114150-1	13M46	1.0	010	S	B		1114150	A	
	12M37	1.0T	015	L	*		1114150	A	
PR11									
1115500	26M01	9.5	010	S	B		1115500	A	
	30K41	9.5T	015	L	.		1102751	A	
RR11									
1116300	15K34	2.9	010	S	-BCR		1116300	A	
	16K02	.5	020	S	-HSM		1116302	A	
	17K02	.5	030	S	-HSM		1116304	A	
	18K02	.5	040	S	-HSM		1116306	A	
	19K02	.5	050	S	-HSM		1116308	A	
	20K02	.5	060	S	-HSM		1116310	A	
	21K02	.5	070	S	-HSM		1116312	A	
	22K02	.5	080	S	-HSM		1116314	A	
	23K02	14.6	090	S	-HSM		1116316	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15		21	28	33	37	41	77
		26M35	11.8	100	L	.	1110502		A
		03M36	5.4	110	L	.	1110116		A
		01L45	38.2T	115	T	T	1116300		A
1116330-1	14L18	4.9	010	S	B		1116330		A
	15K33	4.9T	015	L	*		1116330		A
RW11									
1116340	13L36	8.5	010	S	B		1116340		A
	16K12	.5	020	L	.		1116226		A
	17K12	.5	030	L	.		1116224		A
	18K12	.5	040	L	.		1116222		A
	19K12	.5	050	L	.		1116220		A
	20K12	.5	060	L	.		1112606		A
	21K12	.5	070	L	.		1112604		A
	22K12	.5	080	L	.		1112602		A
	23K12	16.6	090	L	.		1112600		A
	11M17	28.6T	095	T	T		1116340		B
S11									
1116500	13P12	.5	010	T	T		1116500		A
	12P12	6.3	020	L	.		2260002		A
	05N44	5.2	030	C	C		1116500		A
	05M44	1.5	040	C	C		1116500		A
	02M44	3.9	050	L	.		1100112		A
	06M18	7.6	060	L	.		1111513		A
	13L37	2.7	070	L	.		1116340		A
	14L04	7.7	080	L	.		1116330		A
	13M30	2.1	090	L	.		1114150		A
	16M37	1.0	100	L	.		1112100		A
	17M26	1.3	110	L	.		1116560		A
	19M25	4.1	120	L	.		1110312		A
	26M17	43.9T	125	S	I		1116500		A
A12									
1120100	02L26	6.1	010	L	.		1040110		A
	04M23	11.6	020	S	FF		1120100		A
	27M18	12.2	025	L	.		1120140		A
	24K13	29.9T	030	L	.		1120138		C
NA12									
1120104	04M25	.0T	005	S	NFF		1120104		A I
1120110-1	02M39	2.7	010	S	+		1120114		A
	04M12	2.7T	015	S	+		1120110		A
A12-1									
1120138	24K15	13.7	010	S	B		1120138		C
	22M45	5.2	020	T	T		1120138		C
	32M38	25.0	030	C	C		1120138		C
	03E38	15.0	040	C	C		1120138		C

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		18D08	58.9T 050	L	.		3060256	C	
B12									
1120300	19M35	1.6	010	L	.		2500082	A	
	21M27	3.4	020	S	FF		1120300	A	
	27M33	5.0T	025	L	.		1126504	A	
NB12									
1120304	21M28	.0T	005	S	NFF		1120304	A	I
1120310-1	19M39	1.7	010	S	+		1120310	A	
	21M50	1.7T	015	S	+		1120314	A	
(S/B12)									
1120350	14K14	16.6	010	S	B		1120350	A	
	21M47	13.3	020	L	.		1120314	A	
	26K43	1.3	030	L	.		1140350	A	
	28K39	31.2T	035	T	T		1120350	A	
C12									
1120500	28K36	1.0	010	T	T		1120500	A	
	26K36	8.5	020	L	.		5145804	A	
	26M10	1.0	030	L	.		1111310	A	
	27M15	10.5T	035	S	FB		1120500	A	
D12									
1121300	27M23	1.1	010	S	FF		1121300	A	
	29M21	5.2	020	C	C		1121300	A	
	29N21	.5	030	C	C		1121300	A	
	28N21	6.7	040	L	.		1121340	A	
	16N31	5.8	050	L	.		1293702	A	
	17P34	7.9	060	L	.		7828820	A	
	04P13	2.0	070	L	.		1201312	A	
	01P08	29.2T	075	T	T		1121300	A	
ND12-1									
1121340	28N28	9.3	010	S	I		1121340	A	
	21P39	9.1	020	L	.		7829030	A	
	24N04	5.2	030	C	C		1121340	A	
	24M04	7.5	040	C	C		1121340	A	
	30L14	4.5	050	L	.		3511210	A	
	30M04	35.6T	055	T	T		1121340	A	
DI012									
1121500	09M40	1.5	010	S	-BCR		1121500	A	
	08M25	1.5T	015	L	.		1121512	A	
DI012/1									
1121510	04M34	4.4	010	L	.		1120116	A	
	08M02	3.4	020	S	FF		1121510	A	
	09M39	7.8T	025	L	*		1121520	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
ND1012/1									
1121511	08M21	.0T	005	S	NFF		1121511	A	I
1121512-1	06M14	1.3	010	S	+		1121513	A	
	08M18	1.3T	015	S	+		1121512	A	
FP12									
1122100	16M47	2.6	010	S	I		1122100	A	
	17M19	1.4	020	L	.		1126560	A	
	19M26	12.5	030	L	.		1120316	A	
	31L13	.5	040	T	T		1122100	A	
	32L13	17.0T	045	C	C		1122100	A	
G12									
1122500	27M06	12.3	010	S	B		1122500	A	
	30K02	12.3T	015	L	.		4500250	A	
IN12									
1122580	31R30	.0T	005	S	FF		1122580	A	I
IP12									
1122660	31R02	.0T	005	S	FF		1122660	A	I
IS12									
1122680	31R10	.0T	005	S	FF		1122680	A	I
K12									
1122750	30K19	14.3	010	S	B		1122750	A	
	27M46	14.3T	015	L	.		1126500	A	
KS12									
1123050	17M07	9.4	010	S	-NS		1123050	A	
	02M33	9.4T	015	L	.		1120110	A	
MB12									
1124100	12M40	7.8	010	S	-BCR		1124100	A	
	27M36	7.8T	015	L	.		1120502	A	
1124150-1	13M44	.7	010	S	B		1124150	A	
	12M39	.7T	015	L	*		1124150	A	
PR12									
1125500	27M02	12.0	010	S	B		1125500	A	
	30K05	12.0T	015	L	.		4500251	A	
RR12									
1126300	15K36	1.3	010	S	-BCR		1126300	A	
	16K45	.5	020	S	-HSM		1126302	A	
	17K45	.5	030	S	-HSM		1126304	A	
	18K45	.5	040	S	-HSM		1126306	A	
	19K45	.5	050	S	-HSM		1126308	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	20K45	.5	060	S	-HSM		1126310	A	
	21K45	.5	070	S	-HSM		1126312	A	
	22K45	.5	080	S	-HSM		1126314	A	
	23K45	12.0	090	S	-HSM		1126316	A	
	27M39	12.6	100	L	.		1120502	A	
	04M26	5.4	110	L	.		1120116	A	
	01L44	34.8T	115	T	T		1126300	A	
1126330-1	14L34	5.9	010	S	B		1126330	A	
	15K35	5.9T	015	L	*		1126330	A	
RW12									
1126340	13L47	7.8	010	S	B		1126340	A	
	16K33	.5	020	L	.		1126226	A	
	17K33	.5	030	L	.		1126224	A	
	18K33	.5	040	L	.		1126222	A	
	19K33	.5	050	L	.		1126220	A	
	20K33	.5	060	L	.		1122606	A	
	21K33	.5	070	L	.		1122604	A	
	22K33	.5	080	L	.		1122602	A	
	23K33	14.4	090	L	.		1122600	A	
	11M02	25.7T	095	T	T		1126340	B	
S12									
1126500	01L28	6.4	010	T	T		1126500	A	
	02M35	3.0	020	L	.		1110112	A	
	06M21	8.0	030	L	.		1121513	A	
	13L31	1.0	040	L	.		1126340	A	
	14L40	5.9	050	L	.		1126330	A	
	13M42	2.6	060	L	.		1124150	A	
	16M31	1.2	070	L	.		1122100	A	
	17M18	2.2	080	L	.		1126560	A	
	19M33	5.0	090	L	.		1120312	A	
	27M19	35.3T	095	S	I		1126500	A	
A13									
1130100	02L24	6.0	010	L	.		1050110	A	
	04M19	11.7	020	S	FF		1130100	A	
	27M24	17.7T	025	L	.		1130140	A	
NA13									
1130104	04M21	.0T	005	S	NFF		1130104	A	I
1130110-1	02M41	1.7	010	S	+		1130110	A	
	04M28	1.7T	015	S	+		1130120	A	
B13									
1130300	19M14	2.4	010	L	.		2500082	A	
	21M31	4.2	020	S	FF		1130300	A	
	27M47	6.6T	025	L	.		1136504	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NB13									
1130304	21M26	.0T	005	S	NFF		1130304	A	I
1130310-1	19M41	1.2	010	S	+		1130316	A	
	21M46	1.2T	015	S	+		1130310	A	
(S/B13)									
1130350	19M40	1.3	010	S	I		1130350	A	
	21M43	4.5	020	L	.		1130314	A	
	30M43	5.8T	025	T	T		1130350	A	
N(S/B13)									
1130360	12L15	1.2	010	S	I		1130360	A	
	12L28	10.4	020	L	.		1140355	A	
	19M50	4.0	030	L	.		1130350	A	
	11M50	15.6T	035	T	T		1130360	A	
C13									
1130500	27M05	7.8	010	S	FB		1130500	A	
	26K47	1.0	020	L	.		5145804	A	
	28K47	8.8T	025	T	T		1130500	A	
D13									
1131300	27M28	10.3	010	S	FF		1131300	A	
	15L39	5.1	020	L	.		1131340	A	
	14M31	5.2	030	C	C		1131300	A	
	14N31	.5	040	C	C		1131300	A	
	15N31	9.6	050	L	.		1303702	A	
	04P12	1.9	060	L	.		1211312	A	
	01P18	32.6T	065	T	T		1131300	A	
ND13-1									
1131340	15L35	9.2	010	S	I		1131340	A	
	30L08	4.1	020	L	.		3511210	A	
	28K35	13.3T	025	T	T		1131340	A	
DI013									
1131500	09M42	1.8	010	S	-BCR		1131500	A	
	08M24	1.8T	015	L	.		1131512	A	
DI013/1									
1131510	04M42	4.8	010	L	.		1130116	A	
	08M04	3.7	020	S	FF		1131510	A	
	09M45	8.5T	025	L	*		1131520	A	
NDI013/1									
1131511	08M05	.0T	005	S	NFF		1131511	A	I
1131512-1	06M12	1.9	010	S	+		1131513	A	
	08M03	1.9T	015	S	+		1131512	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
FP13									
1132100	16M46	3.1	010	S	I		1132100	A	
	17M15	1.5	020	L	.		1136560	A	
	19M24	12.0	030	L	.		1130316	A	
	31L14	.5	040	T	T		1132100	A	
	32L14	17.1T	045	C	C		1132100	A	
G13									
1132500	27M04	12.0	010	S	B		1132500	A	
	30K04	12.0T	015	L	.		4500251	A	
IN13									
1132580	31R31	.0T	005	S	FF		1132580	A	I
NIN13									
1132581	31R46	.0T	005	S	NFF		1132581	A	I
IP13									
1132660	31R21	14.7	005	S	FF		1132660	A	
	04R06	14.7T	010	L	.		3279000	C	
IS13									
1132680	31R13	19.1	010	S	FF		1132680	A	
	17T35	19.0	015	L	.		3271002	A	
	04R10	38.1T	020	L	.		3279000	C	
NIS13									
1132681	31R18	.0T	005	S	NFF		1132681	A	I
1132687-1	31R20	.6	010	C	C		1132687	A	
	31R12	.6T	015	C	C		1132687	A	
K13									
1132750	30K18	13.5	010	S	B		1132750	A	
	27M38	13.5T	015	L	.		1136500	A	
KS13									
1133050	17M08	7.3	010	S	-NS		1133050	A	
	02M09	7.3T	015	L	.		1130110	A	
MB13									
1134100	12M42	8.4	010	S	-BCR		1134100	A	
	27M30	8.4T	015	L	.		1130502	A	
1134150-1	13M45	.5	010	S	B		1134150	A	
	12M45	.5T	015	L	*		1134150	A	
PR13									
1135500	27M01	11.0	010	S	B		1135500	A	
	30K10	11.0T	015	L	.		4500251	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAG
1	8	15	21	28	33	37	41	77	
RR13									
1136300	15K38	1.1	010	S	-BCR		1136300	A	
	16K46	.5	020	S	-HSM		1136302	A	
	17K46	.5	030	S	-HSM		1136304	A	
	18K46	.5	040	S	-HSM		1136306	A	
	19K46	.5	050	S	-HSM		1136308	A	
	20K46	.5	060	S	-HSM		1136310	A	
	21K46	.5	070	S	-HSM		1136312	A	
	22K46	.5	080	S	-HSM		1136314	A	
	23K46	11.8	090	S	-HSM		1136316	A	
	27M35	12.1	100	L	.		1130502	A	
	04M40	6.4	110	L	.		1130116	A	
	01L43	34.9T	115	T	T		1136300	A	
1136330-1	14L35	5.6	010	S	B		1136330	A	
	15K37	5.6T	015	L	*		1136330	A	
RW13									
1136340	13L46	8.1	010	S	B		1136340	A	
	16K28	.5	020	L	.		1136226	A	
	17K28	.5	030	L	.		1136224	A	
	18K28	.5	040	L	.		1136222	A	
	19K28	.5	050	L	.		1136220	A	
	20K28	.5	060	L	.		1132606	A	
	21K28	.5	070	L	.		1132604	A	
	22K28	.5	080	L	.		1132602	A	
	23K28	15.2	090	L	.		1132600	A	
	11M15	26.8T	095	T	T		1136340	B	
S13									
1136500	01L27	4.6	010	T	T		1136500	A	
	02M14	2.5	020	L	.		1120112	A	
	06M11	7.0	030	L	.		1131513	A	
	13L30	1.3	040	L	.		1136340	A	
	14L39	6.0	050	L	.		1136330	A	
	13M43	2.2	060	L	.		1134150	A	
	16M30	1.7	070	L	.		1132100	A	
	17M14	1.6	080	L	.		1136560	A	
	19M09	4.6	090	L	.		1130312	A	
	27M17	31.5T	095	S	I		1136500	A	
A14									
1140100	02L29	6.4	010	L	.		1060110	A	
	04M31	12.7	020	S	FF		1140100	A	
	28M18	19.1T	025	L	.		1140140	A	
NA14									
1140104	04M29	.0T	005	S	NFF		1140104	A	I
1140110-1	02M42	1.6	010	S	+		1140110	A	
	04M37	1.6T	015	S	+		1140110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
B14									
1140300	09L22	15.7	010	L	.	.	1032622	A	
	28M33	3.8	020	L	.	.	1146504	A	
	21M30	2.9	030	S	FF	.	1140300	A	
	19M04	1.1	040	L	.	.	2500084	A	
	18M12	5.2	050	C	C	.	1140300	A	
	18N12	9.4	060	C	C	.	1140300	A	
	09P08	2.0	070	L	.	.	1160312	A	
	13P08	40.1T	075	T	T	.	1140300	A	
NB14									
1140304	21M29	5.4	010	S	NFF	.	1140304	A	
	32M30	25.0	020	C	C	.	1140304	A	
	03E30	12.2	030	C	C	.	1140304	A	
	26E20	2.0	040	L	.	.	7417500	A	
	30E20	44.6T	045	T	T	.	1140304	A	
1140310-1	19M42	1.3	010	S	+	.	1140312	A	
	21M41	1.3T	015	S	+	.	1140310	A	
(S/B14)									
1140350	26K42	13.0	010	S	B	.	1140350	A	
	21M42	4.5	020	L	.	.	1140314	A	
	30M42	17.5T	025	T	T	.	1140350	A	
(S/B14/1)									
1140355	12L34	12.9	010	S	I	.	1140355	A	
	26K29	1.1	020	L	.	.	1140352	A	
	28K27	14.0T	025	T	T	.	1140355	A	
C14									
1140500	28K25	1.0	010	T	T	.	1140500	A	
	26K25	9.7	020	L	.	.	5145806	A	
	27M10	1.0	030	L	.	.	1131310	A	
	28M15	11.7T	035	S	FB	.	1140500	A	
D14									
1141300	28M23	7.4	010	S	FF	.	1141300	A	
	30L07	17.3	020	L	.	.	3511210	A	
	05M01	5.2	030	C	C	.	1141300	A	
	05N01	6.1	040	C	C	.	1141300	A	
	05P13	12.5	050	L	.	.	1221312	A	
	26P42	1.0	060	L	.	.	1313702	A	
	28P42	49.5T	065	T	T	.	1141300	A	
D1014									
1141500	22Q04	15.7	010	S	-BCR	.	1141500	A	
	10N13	5.2	020	C	C	.	1141500	A	
	10M13	1.0	030	C	C	.	1141500	A	
	08M13	21.9T	035	L	.	.	1141512	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
D1014/1 1141510	08M14 04M47 05M47 05N47 24P13	4.2 .5 5.2 12.2 22.1T	010 020 030 040 045	S L C C L	FF . C C .		1141510 1140116 1141510 1141510 1141519	A A A A A	
ND1014/1 1141511	08M12	.0T	005	S	NFF		1141511	A	I
1141512-1	06M27 08M11	2.2 2.2T	010 015	S S	+ +		1141513 1141512	A A	
D1014/1-1 1141519	24P15 22Q01	5.2 5.2T	010 015	S L	B *		1141519 1141520	A A	
FP14 1142100	16M44 17M12 19M29 31L15 32L15	2.9 2.4 12.3 .5 18.1T	010 020 030 040 045	S L L T C	I . . T C		1142100 1146560 1140316 1142100 1142100	A A A A A	
G14 1142500	28M06 30K01	12.1 12.1T	010 015	S L	B .		1142500 4500251	A A	
IN14 1142580	32R30	.0T	005	S	FF		1142580	A	I
IP14 1142660	32R02	.0T	005	S	FF		1142660	A	I
IS14 1142680	32R10	.0T	005	S	FF		1142680	A	I
K14 1142750	30L34 30K20 28M46	6.3 13.4 19.7T	005 010 015	S S L	I B .		1142753 1142750 1146500	J A A	
KS14 1143050	17M09 02M19	8.2 8.2T	010 015	S L	-NS .		1143050 1140110	A A	
MB14 1144100	25P04 29N36 29M36 28M36	4.8 5.2 .5 10.5T	010 020 030 035	S C C L	-BCR C C .		1144100 1144100 1144100 1140502	A A A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1144150-1	30P46	5.7	010	S	B		1144150	A	
	25P01	5.7T	015	L	*		1144150	A	
PR14									
1145500	28M02	11.2	010	S	B		1145500	A	
	30K09	11.2T	015	L	.		4500252	A	
RR14									
1146300	15K40	3.2	010	S	-BCR		1146300	A	
	16K04	.5	020	S	-HSM		1146302	A	
	17K04	.5	030	S	-HSM		1146304	A	
	18K04	.5	040	S	-HSM		1146306	A	
	19K04	.5	050	S	-HSM		1146308	A	
	20K04	.5	060	S	-HSM		1146310	A	
	21K04	.5	070	S	-HSM		1146312	A	
	22K04	.5	080	S	-HSM		1146314	A	
	23K04	15.7	090	S	-HSM		1146316	A	
	28M39	13.2	100	L	.		1140502	A	
	04M24	5.4	110	L	.		1140116	A	
	01L42	41.0T	115	T	T		1146300	A	
1146330-1	14L41	5.9	010	S	B		1146330	A	
	15K39	5.9T	015	L	*		1146330	A	
RW14									
1146340	13L44	9.0	010	S	B		1146340	A	
	16K17	.5	020	L	.		1146226	A	
	17K17	.5	030	L	.		1146224	A	
	18K17	.5	040	L	.		1146222	A	
	19K17	.5	050	L	.		1146220	A	
	20K17	.5	060	L	.		1142606	A	
	21K17	.5	070	L	.		1142604	A	
	22K17	.5	080	L	.		1142602	A	
	23K17	11.5	090	L	.		1142600	A	
	16L50	24.0T	095	T	T		1146340	B	
S14									
1146500	28P40	1.0	010	T	T		1146500	A	
	30P40	9.4	020	L	.		1144150	A	
	16P08	11.0	030	L	.		1160114	A	
	05N04	5.2	040	C	C		1146500	A	
	05M04	1.5	050	C	C		1146500	A	
	02M04	3.8	060	L	.		1130112	A	
	06M28	7.7	070	L	.		1141513	A	
	13L42	.8	080	L	.		1146340	A	
	14L38	6.5	090	L	.		1146330	A	
	16M42	3.1	100	L	.		1142100	A	
	17M11	1.6	110	L	.		1146560	A	
	19M19	4.5	120	L	.		1140312	A	
	28M19	56.1T	125	S	B		1146502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
A15									
1150100	02L27	6.2	010	L	.		1070110	A	
	04M27	11.9	020	S	FF		1150100	A	
	28M24	18.1T	025	L	.		1150140	A	
NA15									
1150104	04M22	.0T	005	S	NFF		1150104	A	I
1150110-1	02M06	3.3	010	S	+		1150110	A	
	04M35	3.3T	015	S	+		1150116	A	
B15									
1150300	11L20	10.2	010	L	.		1150336	B	
	29L36	6.3	020	L	.		1150340	A	
	28M47	6.8	030	L	.		1156504	A	
	21M04	1.9	040	S	FF		1150300	B	
	18M13	5.2	050	C	C		1150300	A	
	18N13	.8	060	C	C		1150300	A	
	19N17	9.5	070	T	T		1150300	B	
	09P07	40.7T	075	L	.		1160310	A	
NB15									
1150304	21M05	.0T	005	S	NFF		1150304	B	I
1150310-1	19M06	1.5	010	S	+		1150310	A	
	21M03	1.5T	015	S	+		1150314	B	
(S/B15)									
1150336	11L14	11.0	010	S	B		1150336	B	
	21M24	11.0T	015	L	.		1150314	B	
B15/1									
1150340	29L15	12.1	010	S	B		1150340	A	
	19M36	12.1T	015	L	.		2500084	A	
C15									
1150500	28M05	1.0	010	S	FB		1150500	A	
	30M05	1.0T	015	T	T		1150500	A	
D15									
1151300	28M28	1.9	010	S	FF		1151300	A	
	24M27	5.2	020	C	C		1151300	A	
	24N27	13.9	030	C	C		1151300	A	
	05P12	2.2	040	L	.		1231312	A	
	01P19	23.2T	045	T	T		1151300	A	
D1015									
1151500	22Q06	16.3	010	S	-BCR		1151500	A	
	10N08	5.2	020	C	C		1151500	A	
	10M08	1.0	030	C	C		1151500	A	
	08M08	22.5T	035	L	.		1151512	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
DI015/1									
1151510	08M06	4.6	010	S	FF		1151510	A	
	04M45	.5	020	L	.		1150116	A	
	05M45	5.2	030	C	C		1151510	A	
	05N45	12.1	040	C	C		1151510	A	
	24P12	22.4T	045	L	.		1151519	A	
NDI015/1									
1151511	08M07	.0T	005	S	NFF		1151511	A	I
DI015/1-1									
1151519	24P11	5.8	010	S	B		1151519	A	
	22Q02	5.8T	015	L	*		1151520	A	
FP15									
1152100	16M45	2.1	010	S	I		1152100	A	
	17M20	1.6	020	L	.		1156560	A	
	19M27	12.0	030	L	.		1150316	A	
	31L17	.5	040	T	T		1152100	A	
	32L17	16.2T	045	C	C		1152100	A	
G15									
1152500	28M04	11.3	010	S	B		1152500	A	
	30K06	11.3T	015	L	.		4500252	A	
IN15									
1152580	32R31	.0T	005	S	FF		1152580	A	I
NIN15									
1152581	32R46	.0T	005	S	NFF		1152581	A	I
IP15									
1152660	32R21	.0T	005	S	FF		1152660	A	I
IS15									
1152680	32R13	.0T	005	S	FF		1152680	A	I
NIS15									
1152681	32R18	.0T	005	S	NFF		1152681	A	I
1152687-1	32R20	.6	010	C	C		1152687	A	
	32R12	.6T	015	C	C		1152687	A	
K15									
1152750	15N17	2.1	010	S	B		1152750	A	
	15N42	.3	020	L	.		1112751	A	
	15N45	1.5	030	L	.		1002758	A	
	18N45	5.2	040	C	C		1152750	A	
	18M45	5.2	050	C	C		1152750	A	
	28M38	13.7	060	L	.		1156500	A	
	30K08	1.0	070	L	.		1122752	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1154940	30M08	3.6	010	T	T		1154940	A	
	29L35	.3	020	L	.		1156530	A	
	29L39	6.4	030	L	.		1150340	A	
	28M44	13.1	040	L	.		1156506	A	
	05M22	5.2	050	C	C		1154940	A	
	05N22	1.0	060	C	C		1154940	A	
	03N22	.5	070	L	.		5830021	A	
	04N22	6.1	080	L	.		5830031	A	
	13N44	36.2T	085	S	I		1154940	A	
PR15									
1155500	28M01	11.0	010	S	B		1155500	A	
	30K07	11.0T	015	L	.		1122752	A	
RR15									
1156300	15K42	3.8	010	S	-BCR		1156300	A	
	16K01	.5	020	S	-HSM		1156302	A	
	17K01	.5	030	S	-HSM		1156304	A	
	18K01	.5	040	S	-HSM		1156306	A	
	19K01	.5	050	S	-HSM		1156308	A	
	20K01	.5	060	S	-HSM		1156310	A	
	21K01	.5	070	S	-HSM		1156312	A	
	22K01	.5	080	S	-HSM		1156314	A	
	23K01	15.5	090	S	-HSM		1156316	A	
	28M35	12.3	100	L	.		1150502	A	
	04M36	6.2	110	L	.		1150116	A	
	01L41	41.3T	115	T	T		1156300	A	
1156330-1	14L36	5.3	010	S	B		1156330	A	
	15K45	5.3T	015	L	*		1156330	A	
RW15									
1156340	13L45	10.6	010	S	B		1156340	A	
	24K47	6.7	020	S	B		1156342	A	
	16K11	.5	030	L	.		1156226	A	
	17K11	.5	040	L	.		1156224	A	
	18K11	.5	050	L	.		1156222	A	
	19K11	.5	060	L	.		1156220	A	
	20K11	.5	070	L	.		1152606	A	
	21K11	.5	080	L	.		1152604	A	
	22K11	.5	090	L	.		1152602	A	
	23K11	17.6	100	L	.		1152600	A	
	11M22	38.4T	105	T	T		1156340	B	
RW15XZ									
1156350	19F34	14.1	010	S	I		1156350	A	
	03E22	25.0	020	C	C		1156350	A	
	32M22	13.7	030	C	C		1156350	A	
	24K31	4.5	040	L	.		1156342	A	
	24L21	57.3T	045	T	T		1156350	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
S15									
1156500	28M17	4.5	010	S	B		1156502	A	
	29L30	10.6	020	L	.		1156530	A	
	17M22	1.8	030	L	.		1156560	A	
	16M43	6.7	040	L	.		1152100	A	
	14L37	.9	050	L	.		1156330	A	
	13L43	10.5	060	L	.		1156340	A	
	02M36	1.8	070	L	.		1140112	A	
	05M35	5.2	080	C	C		1156500	A	
	05N35	8.6	090	C	C		1156500	A	
	16P07	.9	100	L	.		1160114	A	
	17P13	1.7	110	L	.		7501500	A	
	19P03	2.5	120	L	.		7501502	A	
	24P03	5.7	130	L	.		7501540	A	
	30P39	11.5	140	L	.		1154150	A	
	19Q46	5.2	150	C	C		1156500	A	
	19R46	3.5	160	C	C		1156500	A	
	12R46	2.1	170	L	.		1154904	A	
	11S01	83.7T	175	T	T		1156500	A	
S15/1									
1156530	29L05	11.4	010	S	B		1156530	A	
	19M21	11.4T	015	L	.		1150312	A	
A16									
1160100	01L39	5.1	010	T	T		1160100	A	
	02M31	1.3	020	L	.		1080110	A	
	05M30	5.2	030	C	C		1160100	A	
	05N30	2.9	040	C	C		1160100	A	
	06N01	8.8	050	L	.		2001682	A	
	02P18	6.5	060	L	.		1160140	A	
	14P23	29.8T	065	S	FF		1160100	A	
NA16									
1160104	14P25	9.8	010	S	NFF		1160104	A	
	06N17	9.2	020	L	.		2001680	A	
	23N07	19.0T	025	L	.		7500300	A	
1160110-1									
	14P12	1.4	010	S	+		1160110	A	
	16P18	1.4T	015	S	+		1160112	A	
B16									
1160300	02P33	2.9	010	L	.		1166504	A	
	07P27	2.6	020	S	FF		1160300	A	
	09P05	17.4	030	L	.		2500086	A	
	27Q47	12.3	040	L	.		1321512	A	
	24N43	5.2	050	C	C		1160300	A	
	24M43	2.5	060	C	C		1160300	A	
	19M43	4.0	070	L	.		1150310	A	
	11M43	46.9T	075	T	T		1160300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NB16									
1160304	07P28	7.1	010	S	NFF		1160304	A	
	19P17	6.6	020	L	.		2500300	A	
	20Q29	13.7T	025	L	.		4241000	A	
1160310-1	07P50	3.4	010	S	+		1160314	A	
	09P18	3.4T	015	S	+		1160310	A	
C16									
1160500	02P15	2.4	010	S	FB		1160500	A	
	06P09	2.3	020	L	.		1160504	A	
	10P05	1.8	030	L	.		1160520	A	
	12P18	.5	040	L	.		7828804	A	
	13P18	7.0T	045	T	T		1160500	A	
C16-1									
1160504	30M10	1.0	010	T	T		1160504	A	
	28M10	2.0	020	L	.		1151310	A	
	24M10	5.2	030	C	C		1160504	A	
	24N10	14.2	040	C	C		1160504	A	
	06P10	22.4T	045	S	B		1160504	A	
NC16									
1160520	10P01	1.3	010	S	I		1160520	A	
	12P05	3.1	020	L	.		7829004	A	
	13P42	4.4T	025	T	T		1160520	A	
D16									
1161300	02P23	4.5	010	S	FF		1161300	A	
	02Q13	23.5	020	L	.		1241312	A	
	30N22	28.0T	025	L	.		1161336	A	
D16-1									
1161336	30N27	10.5	010	S	B		1161336	A	
	31Q21	14.5	020	C	C		1161336	A	
	02F21	1.0	030	C	C		1161336	A	
	04F21	14.5	040	L	.		1161350	A	
	26E40	2.0	050	L	.		7890742	A	
	30E40	42.5T	055	T	T		1161336	A	
ND16-1									
1161350	04F28	11.5	010	S	I		1161350	A	
	15E18	8.1	020	L	.		7890852	A	
	30E26	19.6T	025	T	T		1161350	A	
DAT16									
1161400	22R01	3.8	010	L	.		1161410	A	
	21R45	5.0	020	S	B		1161400	A	
	26R08	8.8T	025	L	.		1022582	A	
D1016									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
1161500	22Q08	3.1	010	S	-BCR		1161500	A	
	21Q47	3.1T	015	L	.		1161512	A	
DI016/1									
1161510	14P34	8.3	010	L	.		1160116	A	
	21Q27	2.3	020	S	FF		1161510	A	
	22Q03	10.6T	025	L	*		1161520	A	
NDI016/1									
1161511	21Q28	.0T	005	S	NFF		1161511	A	I
1161512-1	21Q50	1.9	010	S	+		1161512	A	
	23Q38	1.9T	015	S	+		1161513	A	
FP16									
1162100	32L18	.5	010	C	C		1162100	A	
	31L18	12.5	020	T	T		1162100	A	
	14M02	5.2	030	C	C		1162100	A	
	14N02	9.6	040	C	C		1162100	A	
	09P31	4.9	050	L	.		1160316	A	
	18P37	4.0	060	L	.		1166560	A	
	23P17	36.7T	065	S	I		1162100	A	
G16									
1162500	02P06	9.7	010	S	B		1162500	A	
	17N46	9.7T	015	L	.		4500300	A	
K16									
1162750	02P46	11.4	010	L	.		1166500	A	
	19P11	1.3	020	L	.		2001652	A	
	17P08	3.9	030	L	.		2001650	A	
	17N26	16.6T	035	S	B		1162750	A	
KS16									
1163050	18P01	2.8	010	S	-NS		1163050	A	
	16P22	2.8T	015	L	.		1160110	A	
KSP16									
1163100	02R01	5.5	010	S	-NS		1163100	A	
	08R35	3.0	020	L	.		2089002	A	
	12R50	4.5	030	L	.		1164904	A	
	12S39	13.0T	035	L	.		1163110	A	
NKSP16									
1163110	12S45	8.3	010	S	I		1163110	A	
	08R31	8.3T	015	L	.		2089002	A	
MB16									
1164100	02P36	6.4	010	L	.		1160502	A	
	10P07	7.4	020	L	.		1160520	A	
	25P08	13.8T	025	S	-BCR		1164100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1164150-1	24P25	2.1	010	S	B		1164150	A	
	25P03	2.1T	015	L	*		1164150	A	
P16									
1164900	02R26	4.1	010	L	.		1164990	A	
	08R39	3.0	020	L	.		2089002	A	
	12R25	2.9	030	S	FF		1164900	A	
	15R02	10.0T	035	L	*		1163350	A	
NP16									
1164902	01P02	4.1	010	T	T		1164902	A	
	01N21	1.0	020	L	.		5830001	A	
	03N21	6.6	030	L	.		5830021	A	
	13N43	10.4	040	L	.		1164940	A	
	10Q18	5.2	050	C	C		1164902	A	
	10R18	3.5	060	C	C		1164902	A	
	03R18	3.7	070	L	.		3315120	A	
	08R34	2.6	080	L	.		2089002	A	
	12R26	37.1T	085	S	NFF		1164902	A	
1164904-1	12R31	.0T	005	S	+		1164907	A	I
1164914-1	12R24	.0T	005	S	+		1164914	A	I
P16-1									
1164940	13N45	8.4	010	S	I		1164940	A	
	07P47	3.0	020	L	.		1160314	A	
	02P42	7.1	030	L	.		1166506	A	
	02N21	1.0	040	L	.		5830011	A	
	04N21	2.3	050	L	.		5830031	A	
	09N20	21.8T	055	T	T		1164940	A	
PR16									
1165500	02P02	9.9	010	S	B		1165500	A	
	17N43	9.9T	015	L	.		4500301	A	
RR16									
1166300	01S43	.5	010	S	-HSM		1166302	A	
	02S43	.5	020	S	-HSM		1166304	A	
	03S43	.5	030	S	-HSM		1166306	A	
	04S43	.5	040	S	-HSM		1166308	A	
	05S43	.5	050	S	-HSM		1166310	A	
	06S43	.5	060	S	-HSM		1166312	A	
	07S43	.5	070	S	-HSM		1166314	A	
	08S43	1.9	080	S	-HSM		1166316	A	
	09S20	7.4	090	S	-BCR		1166300	A	
	10R01	5.2	100	C	C		1166300	A	
	10Q01	5.1	110	C	C		1166300	A	
	14P26	6.7	120	L	.		1160116	A	
	02P39	6.4	130	L	.		1160502	A	
	05N43	5.2	140	C	C		1166300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	05M43	.5	150	C	C		1166300	A	
	04M43	7.1	160	L	.		1150118	A	
	01L40	49.0T	165	T	T		1166300	A	
1166330-1	13S17	2.1	010	S	B		1166330	A	
	09S19	2.1T	015	L	*		1166330	A	
RW16 1166340	09T39	4.3	010	T	T		1166340	B	
	01T35	.5	020	L	.		1242610	A	
	02T35	.5	030	L	.		1242612	A	
	03T35	.5	040	L	.		1242614	A	
	04T35	6.7	050	L	.		1242616	A	
	01S35	.5	060	L	.		1162600	A	
	02S35	.5	070	L	.		1162602	A	
	03S35	.5	080	L	.		1162604	A	
	04S35	.5	090	L	.		1162606	A	
	05S35	.5	100	L	.		1166220	A	
	06S35	.5	110	L	.		1166222	A	
	07S35	.5	120	L	.		1166224	A	
	08S35	2.3	130	L	.		1166226	A	
	10S17	18.3T	135	S	B		1166340	A	
S16 1166500	02M43	1.3	010	L	.		1150112	A	
	05M42	5.2	020	C	C		1166500	A	
	05N42	4.5	030	C	C		1166500	A	
	08N05	17.0	040	S	I		1166508	A	
	01Q45	7.7	050	S	I		1166510	A	
	02P19	3.6	060	S	B		1166502	A	
	09P22	5.0	070	L	.		1160312	A	
	16P05	.4	080	L	.		1160112	A	
	17P06	2.9	090	L	.		7501500	A	
	18P38	2.9	100	L	.		1166560	A	
	19P09	2.6	110	L	.		7501502	A	
	23P01	4.8	120	L	.		1162100	A	
	23N08	7.0	130	L	.		7500302	A	
	24P23	6.9	140	L	.		1164150	A	
	23Q39	.5	150	L	.		1161513	A	
	24Q39	5.2	160	C	C		1166500	A	
	24R39	1.5	170	C	C		1166500	A	
	21R39	5.0	180	L	.		1161400	A	
	12R42	2.8	190	L	.		1164904	A	
	13S01	1.5	200	L	.		1166330	A	
	10S01	.4	210	L	.		1166340	A	
	11S02	88.7T	215	T	T		1166500	A	
A17 1170100	01L38	5.1	010	T	T		1170100	A	
	02M30	1.8	020	L	.		1090110	A	
	05M29	5.2	030	C	C		1170100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		05N29	6.6	040	C	C	1170100	A	
		02P24	6.6	050	L	.	1170140	A	
		14P19	25.3T	055	S	FF	1170100	A	
NA17									
1170104	14P21	.0T	005	S	NFF		1170104	A	I
1170110-1	14P28	2.4	010	S	+		1170110	A	
	16P13	2.4T	015	S	+		1170110	A	
B17									
1170300	02P47	3.7	010	L	.		1176504	A	
	07P31	2.0	020	S	FF		1170300	A	
	09P17	16.2	030	L	.		2500086	A	
	27Q43	21.9T	035	L	.		1331512	A	
NB17									
1170304	07P26	6.6	010	S	NFF		1170304	A	
	19P18	6.6	020	L	.		2500300	A	
	20Q30	13.2T	025	L	.		4241000	A	
1170310-1	07P46	3.7	010	S	+		1170314	A	
	09P13	3.7T	015	S	+		1170310	A	
C17									
1170500	02P05	.5	010	S	FB		1170500	A	
	01P05	.5T	015	T	T		1170500	A	
D17									
1171300	02P28	4.0	010	S	FF		1171300	A	
	02Q12	4.0T	015	L	.		1251312	A	
DAT17									
1171400	22R02	3.8	010	L	*		1171410	A	
	21R46	4.3	020	S	B		1171400	A	
	26R25	8.1T	025	L	.		1032582	A	
DI017									
1171500	22Q10	2.7	010	S	-BCR		1171500	A	
	21Q43	2.7T	015	L	.		1171512	A	
DI017/1									
1171510	14P42	8.0	010	L	.		1170116	A	
	21Q31	2.1	020	S	FF		1171510	A	
	22Q09	10.1T	025	L	*		1171520	A	
NDI017/1									
1171511	21Q26	.0T	005	S	NFF		1171511	A	I
1171512-1	21Q46	2.2	010	S	+		1171512	A	
	23Q30	2.2T	015	S	+		1171513	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
FP17									
1172100	32L19	.5	010	C	C		1172100	A	
	31L19	12.5	020	T	T		1172100	A	
	14M03	5.2	030	C	C		1172100	A	
	14N03	10.0	040	C	C		1172100	A	
	09P30	4.8	050	L	.		1170316	A	
	18P33	4.6	060	L	.		1176560	A	
	23P05	37.6T	065	S	I		1172100	A	
G17									
1172500	02P04	9.7	010	S	B		1172500	A	
	17N44	9.7T	015	L	.		4500301	A	
K17									
1172750	17N27	13.8	010	S	B		1172750	A	
	02P38	13.8T	015	L	.		1176500	A	
KS17									
1173050	18P02	2.3	010	S	-NS		1173050	A	
	16P20	2.3T	015	L	.		1170110	A	
KSP17									
1173100	02R02	3.8	010	S	-NS		1173100	A	
	08R11	2.1	020	L	.		2089010	A	
	12R06	7.8	030	L	.		1174904	A	
	12S40	13.7T	035	L	.		1173110	A	
NKSP17									
1173110	12S46	9.9	010	S	I		1173110	A	
	08R09	9.9T	015	L	.		2089010	A	
MB17									
1174100	25P10	13.0	010	S	-BCR		1174100	A	
	02P30	13.0T	015	L	.		1170502	A	
1174150-1	24P26	2.0	010	S	B		1174150	A	
	25P09	2.0T	015	L	*		1174150	A	
P17									
1174900	02R22	4.0	010	L	.		1174990	A	
	08R08	5.0	020	L	.		2089010	A	
	12R47	2.1	030	L	.		1154907	A	
	12R19	2.7	040	S	FF		1174900	A	
	15R03	13.8T	045	L	*		1173350	A	
NP17									
1174902	01P03	3.6	010	T	T		1174902	A	
	01N25	.5	020	L	.		5830001	A	
	02N25	.5	030	L	.		5830011	A	
	03N25	.5	040	L	.		5830021	A	
	04N25	5.4	050	L	.		5830031	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		13N13	13.5	060	L	.	1174940	A	
		10Q30	5.2	070	C	C	1174902	A	
		10R30	3.5	080	C	C	1174902	A	
		03R30	4.0	090	L	.	3315120	A	
		08R10	2.9	100	L	.	2089010	A	
		12R21	.8	110	S	NFF	1174902	A	
		12R28	40.4T	115	L	.	1154905	A	
1174904-1	12R20	.0T	005	S	+		1174907	A	I
1174914-1	12R17	.0T	005	S	+		1174914	A	I
P17-1									
1174940	13N15	10.3	010	S	I		1174940	A	
	07P43	2.8	020	L	.		1170314	A	
	02P44	7.2	030	L	.		1176506	A	
	01N23	.5	040	L	.		5830002	A	
	02N23	.5	050	L	.		5830012	A	
	03N23	.5	060	L	.		5830022	A	
	04N23	2.8	070	L	.		5830032	A	
	09N19	24.6T	075	T	T		1174940	A	
PR17									
1175500	02P01	9.5	010	S	B		1175500	A	
	17N40	9.5T	015	L	.		4500302	A	
RR17									
1176300	01S41	.5	010	S	-HSM		1176302	A	
	02S41	.5	020	S	-HSM		1176304	A	
	03S41	.5	030	S	-HSM		1176306	A	
	04S41	.5	040	S	-HSM		1176308	A	
	05S41	.5	050	S	-HSM		1176310	A	
	06S41	.5	060	S	-HSM		1176312	A	
	07S41	.5	070	S	-HSM		1176314	A	
	08S41	1.6	080	S	-HSM		1176316	A	
	09S22	7.2	090	S	-BCR		1176300	A	
	10R02	5.2	100	C	C		1176300	A	
	10Q02	4.4	110	C	C		1176300	A	
	14P40	6.2	120	L	.		1170116	A	
	02P35	.5	130	L	.		1170502	A	
	01P35	28.6T	135	T	T		1176300	A	
1176330-1	13S05	3.3	010	S	B		1176330	A	
	09S23	3.3T	015	L	*		1176330	A	
RW17									
1176340	09T40	4.4	010	T	T		1176340	B	
	01T34	.5	020	L	.		1252610	A	
	02T34	.5	030	L	.		1252612	A	
	03T34	.5	040	L	.		1252614	A	
	04T34	6.7	050	L	.		1252616	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		01S34	.5	060	L	.	1172600	A	
		02S34	.5	070	L	.	1172602	A	
		03S34	.5	080	L	.	1172604	A	
		04S34	.5	090	L	.	1172606	A	
		05S34	.5	100	L	.	1176220	A	
		06S34	.5	110	L	.	1176222	A	
		07S34	.5	120	L	.	1176224	A	
		08S34	3.4	130	L	.	1176226	A	
		10S05	19.5T	135	S	B	1176340	A	
S17									
1176500		02P17	3.6	010	S	I	1176500	A	
		09P20	4.0	020	L	.	1170312	A	
		16P17	2.1	030	L	.	1160112	A	
		18P34	4.9	040	L	.	1176560	A	
		23P02	2.1	050	L	.	1172100	A	
		24P24	6.6	060	L	.	1174150	A	
		23Q36	.5	070	L	.	1171513	A	
		24Q36	5.2	080	C	C	1176500	A	
		24R36	1.8	090	C	C	1176500	A	
		21R40	6.9	100	L	.	1171400	A	
		12R08	5.3	110	L	.	1174904	A	
		13S02	1.5	120	L	.	1176330	A	
		10S02	44.5T	125	L	.	1176340	A	
A18									
1180100		01L37	5.4	010	T	T	1180100	A	
		02M34	1.5	020	L	.	1100110	A	
		05M34	5.2	030	C	C	1180100	A	
		05N34	5.0	040	C	C	1180100	A	
		03P18	6.6	050	L	.	1180140	A	
		14P31	23.7T	055	S	FF	1180100	A	
NA18									
1180104		14P29	.0T	005	S	NFF	1180104	A	I
1180110-1		14P37	2.9	010	S	+	1180116	A	
		16P11	2.9T	015	S	+	1180110	A	
B18									
1180300		03P33	1.9	010	L	.	1186504	A	
		07P30	2.2	020	S	FF	1180300	A	
		09P45	13.9	030	L	.	2500088	A	
		27Q42	18.0T	035	L	.	1341512	A	
NB18									
1180304		07P29	5.9	010	S	NFF	1180304	A	
		19P30	5.9	020	L	.	2500300	A	
		20Q31	11.8T	025	L	.	4241000	A	
1180310-1		07P41	3.2	010	S	+	1180314	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	09P11	3.2T	015	S	+		1180310	A	
C18									
1180500	03P15	1.0	010	S	FB		1180500	A	
	02P10	.5	020	L	.		1171310	A	
	01P10	1.5T	025	T	T		1180500	A	
D18									
1181300	03P23	4.5	010	S	FF		1181300	A	
	03Q13	4.5T	015	L	.		1261312	A	
DAT18									
1181400	22R03	3.8	010	L	*		1181410	A	
	21R47	5.6	020	S	B		1181400	A	
	27R08	9.4T	025	L	.		1042582	A	
DI018									
1181500	22Q13	2.9	010	S	-BCR		1181500	A	
	21Q42	2.9T	015	L	.		1181512	A	
DI018/1									
1181510	14P47	7.3	010	L	.		1180116	A	
	21Q30	1.8	020	S	FF		1181510	A	
	22Q12	9.1T	025	L	*		1181520	A	
NDI018/1									
1181511	21Q29	.0T	005	S	NFF		1181511	A	I
1181512-1	21Q41	1.2	010	S	+		1181512	A	
	23Q34	1.2T	015	S	+		1181513	A	
FP18									
1182100	32L20	.5	010	C	C		1182100	A	
	31L20	12.5	020	T	T		1182100	A	
	14M04	5.2	030	C	C		1182100	A	
	14N04	10.0	040	C	C		1182100	A	
	09P34	4.8	050	L	.		1180316	A	
	18P30	3.6	060	L	.		1186560	A	
	23P19	36.6T	065	S	I		1182100	A	
G18									
1182500	03P06	8.9	010	S	B		1182500	A	
	17N50	8.9T	015	L	.		4500301	A	
K18									
1182750	17N25	14.1	010	S	B		1182750	A	
	03P46	14.1T	015	L	.		1186500	A	
KS18									
1183050	18P03	2.5	010	S	-NS		1183050	A	
	16P23	2.5T	015	L	.		1180110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
KSP18									
1183100	02R07	2.9	010	S	-NS		1183100	A	
	08R04	2.3	020	L	.		2089012	A	
	12R07	7.8	030	L	.		1184904	A	
	12S41	13.0T	035	L	.		1183110	A	
NKSP18									
1183110	12S47	8.6	010	S	I		1183110	A	
	08R30	8.6T	015	L	.		2089012	A	
MB18									
1184100	25P13	13.0	010	S	-BCR		1184100	A	
	03P36	13.0T	015	L	.		1180502	A	
1184150-1	24P34	2.1	010	S	B		1184150	A	
	25P12	2.1T	015	L	*		1184150	A	
P18									
1184900	08R13	4.4	010	L	.		2089012	A	
	12R45	3.0	020	L	.		1154907	A	
	12R05	1.8	030	S	FF		1184900	A	
	15R09	9.2T	035	L	*		1183350	A	
NP18									
1184902	03R31	4.2	010	L	.		3315120	A	
	07R01	.6	020	L	.		1184940	A	
	08R03	3.3	030	L	.		2089012	A	
	12R22	.5	040	S	NFF		1184902	A	
	12R27	8.6T	045	L	.		1154905	A	
1184904-1	12R12	.0T	005	S	+		1184904	A	I
1184914-1	12R03	.0T	005	S	+		1184915	A	I
P18-1									
1184940	09N17	2.8	010	T	T		1184940	A	
	04N18	.5	020	L	.		5830033	A	
	03N18	.5	030	L	.		5830023	A	
	02N18	.5	040	L	.		5830013	A	
	01N18	8.0	050	L	.		5830003	A	
	03P42	2.0	060	L	.		1186506	A	
	07P42	4.8	070	L	.		1180314	A	
	10Q15	5.2	080	C	C		1184940	A	
	10R15	1.6	090	C	C		1184940	A	
	07R17	2.8	100	S	I		1184940	A	
	02R14	28.7T	105	L	.		1184990	A	
PR18									
1185500	03P02	9.7	010	S	B		1185500	A	
	17N39	9.7T	015	L	.		4500302	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
RR18									
1186300	01S09	.5	010	S	-HSM		1186302	A	
	02S09	.5	020	S	-HSM		1186304	A	
	03S09	.5	030	S	-HSM		1186306	A	
	04S09	.5	040	S	-HSM		1186308	A	
	05S09	.5	050	S	-HSM		1186310	A	
	06S09	.5	060	S	-HSM		1186312	A	
	07S09	.5	070	S	-HSM		1186314	A	
	08S09	1.8	080	S	-HSM		1186316	A	
	09S27	7.5	090	S	-BCR		1186300	A	
	10R03	5.2	100	C	C		1186300	A	
	10Q03	5.4	110	C	C		1186300	A	
	14P24	6.3	120	L	.		1180116	A	
	03P39	1.0	130	L	.		1180502	A	
	01P39	30.7T	135	T	T		1186300	A	
1186330-1									
	13S19	2.4	010	S	B		1186330	A	
	09S25	2.4T	015	L	*		1186330	A	
RW18									
1186340	09T42	5.6	010	T	T		1186340	B	
	01T19	.5	020	L	.		1262610	A	
	02T19	.5	030	L	.		1262612	A	
	03T19	.5	040	L	.		1262614	A	
	04T19	6.7	050	L	.		1262616	A	
	01S19	.5	060	L	.		1182600	A	
	02S19	.5	070	L	.		1182602	A	
	03S19	.5	080	L	.		1182604	A	
	04S19	.5	085	L	.		1182606	D	
	05S19	.5	090	L	.		1186220	A	
	06S19	.5	100	L	.		1186222	A	
	07S19	.5	110	L	.		1186224	A	
	08S19	1.0	120	L	.		1186226	A	
	10S19	18.3T	125	S	B		1186340	A	
S18									
1186500	03P19	3.3	010	S	B		1186502	A	
	09P23	5.1	020	L	.		1180312	A	
	16P45	2.0	030	L	.		1170112	A	
	18P28	4.6	040	L	.		1186560	A	
	23P03	3.1	050	L	.		1182100	A	
	24P40	4.9	060	L	.		1184150	A	
	23Q33	.5	070	L	.		1181513	A	
	24Q33	5.2	080	C	C		1186500	A	
	24R33	2.1	090	C	C		1186500	A	
	21R41	6.6	100	L	.		1181400	A	
	12R14	5.0	110	L	.		1184904	A	
	13S03	1.5	120	L	.		1186330	A	
	10S03	.4	130	L	.		1186340	A	
	11S04	44.3T	135	T	T		1186500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
A19									
1190100	01L36	5.1	010	T	T		1190100	A	
	02M28	1.8	020	L	.		1110110	A	
	05M27	5.2	030	C	C		1190100	A	
	05N27	6.3	040	C	C		1190100	A	
	03P24	5.8	050	L	.		1190140	A	
	14P27	24.2T	055	S	FF		1190100	A	
NA19									
1190104	14P22	.0T	005	S	NFF		1190104	A	I
1190110-1	14P35	1.1	010	S	+		1190116	A	
	16P38	1.1T	015	S	+		1190110	A	
B19									
1190300	03P47	3.0	010	L	.		1196504	A	
	07P33	1.7	020	S	FF		1190300	A	
	09P44	10.0	030	L	.		2500088	A	
	20Q33	3.6	040	L	.		4241000	A	
	27Q35	18.3T	045	L	.		1351512	A	
NB19									
1190304	07P34	6.5	010	S	NFF		1190304	A	
	19P31	6.5T	015	L	.		2500300	A	
1190310-1	07P39	.8	010	S	+		1190314	A	
	09P38	.8T	015	S	+		1190310	A	
C19									
1190500	03P05	1.2	010	S	FB		1190500	A	
	01P04	1.2T	015	T	T		1190500	A	
D19									
1191300	03P28	4.0	010	S	FF		1191300	A	
	03Q12	4.0T	015	L	.		1271312	A	
DAT19									
1191400	22R09	3.8	010	L	*		1191410	A	
	21R50	5.1	020	S	B		1191400	A	
	27R25	8.9T	025	L	.		1052582	A	
D1019									
1191500	22Q18	1.5	010	S	-BCR		1191500	A	
	21Q35	1.5T	015	L	.		1191512	A	
D1019/1									
1191510	14P45	7.8	010	L	.		1190116	A	
	21Q33	1.8	020	S	FF		1191510	A	
	22Q15	9.6T	025	L	*		1191520	A	
ND1019/1									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1191511	21Q34	.0T	005	S	NFF		1191511	A	I
1191512-1	21Q39	1.1	010	S	+		1191512	A	
	23Q41	1.1T	015	S	+		1191513	A	
FP19									
1192100	32L21	.5	010	C	C		1192100	A	
	31L21	12.5	020	T	T		1192100	A	
	14M05	5.2	030	C	C		1192100	A	
	14N05	9.7	040	C	C		1192100	A	
	09P28	5.0	050	L	.		1190316	A	
	18P25	2.7	060	L	.		1196560	A	
	23P18	35.6T	065	S	I		1192100	A	
G19									
1192500	03P04	9.3	010	S	B		1192500	A	
	17N47	9.3T	015	L	.		4500302	A	
K19									
1192750	15N19	2.6	010	S	B		1192750	A	
	17N42	11.9	020	L	.		1162752	A	
	03P38	14.5T	025	L	.		1196500	A	
KS19									
1193050	18P04	2.3	010	S	-NS		1193050	A	
	16P25	2.3T	015	L	.		1190110	A	
KSP19									
1193100	02R08	3.4	010	S	-NS		1193100	A	
	08R14	4.3	020	L	.		2089022	A	
	13R37	6.4	030	L	.		1194904	A	
	12S42	14.1T	035	L	.		1193110	A	
NKSP19									
1193110	12S50	8.1	010	S	I		1193110	A	
	08R38	8.1T	015	L	.		2089004	A	
MB19									
1194100	25P18	11.9	010	S	-BCR		1194100	A	
	03P30	11.9T	015	L	.		1190502	A	
1194150-1	24P35	2.0	010	S	B		1194150	A	
	25P15	2.0T	015	L	*		1194150	A	
P19									
1194900	08R29	4.5	010	L	.		2089004	A	
	10S08	5.1	020	L	.		6942182	A	
	13R33	2.3	030	S	FF		1194900	A	
	15R12	11.9T	035	L	*		1193350	A	
NP19									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1194902	03R19	1.2	010	L	.		3315121	A	
	05R24	2.6	020	L	.		6825182	A	
	07R02	1.6	030	L	.		1194940	A	
	08R15	4.2	040	L	.		2089024	A	
	13R40	9.6T	045	S	NFF		1194902	A	
1194904-1	13R36	.0T	005	S	+		1194904	A	I
1194914-1	13R30	.0T	005	S	+		1194914	A	I
P19-1									
1194940	04N29	2.5	010	L	.		5830034	A	
	09N29	3.0	020	T	T		1194940	A	
	03N29	.5	025	L	.		5830024	F	
	02N29	.5	030	L	.		5830014	A	
	01N29	7.2	040	L	.		5830004	A	
	03P44	2.9	050	L	.		1196506	A	
	07P35	4.8	060	L	.		1190314	A	
	10Q09	5.2	070	C	C		1194940	A	
	10R09	1.8	080	C	C		1194940	A	
	07R05	4.9	090	S	I		1194940	A	
	02R34	33.3T	095	L	.		1194990	A	
PR19									
1195500	03P01	9.2	010	S	B		1195500	A	
	17N41	9.2T	015	L	.		1162752	A	
RR19									
1196300	01S02	.5	010	S	-HSM		1196302	A	
	02S02	.5	020	S	-HSM		1196304	A	
	03S02	.5	030	S	-HSM		1196306	A	
	04S02	.5	040	S	-HSM		1196308	A	
	05S02	.5	050	S	-HSM		1196310	A	
	06S02	.5	060	S	-HSM		1196312	A	
	07S02	.5	070	S	-HSM		1196314	A	
	08S02	2.9	080	S	-HSM		1196316	A	
	09S34	8.0	090	S	-BCR		1196300	A	
	10R04	5.2	100	C	C		1196300	A	
	10Q04	4.8	110	C	C		1196300	A	
	14P36	5.4	120	L	.		1190116	A	
	03P35	1.2	130	L	.		1190502	A	
	01P34	31.0T	135	T	T		1196300	A	
1196330-1	13S18	2.8	010	S	B		1196330	A	
	09S33	2.8T	015	L	*		1196330	A	
RW19									
1196340	09T08	4.3	010	T	T		1196340	B	
	01T12	.5	020	L	.		1272610	A	
	02T12	.5	030	L	.		1272612	A	
	03T12	.5	040	L	.		1272614	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-1196340
TYPE-PINLIST

100
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04T12	6.7	050	L	.		1272616	A	
	01S12	.5	060	L	.		1192600	A	
	02S12	.5	070	L	.		1192602	A	
	03S12	.5	080	L	.		1192604	A	
	04S12	.5	090	L	.		1192606	A	
	05S12	.5	100	L	.		1196220	A	
	06S12	.5	110	L	.		1196222	A	
	07S12	.5	120	L	.		1196224	A	
	08S12	1.4	130	L	.		1196226	A	
	10S18	17.4T	135	S	B		1196340	A	
S19									
1196500	03P17	3.6	010	S	I		1196500	A	
	09P25	4.8	020	L	.		1190312	A	
	16P44	2.3	030	L	.		1180112	A	
	18P26	4.1	040	L	.		1196560	A	
	23P04	3.2	050	L	.		1192100	A	
	24P39	6.1	060	L	.		1194150	A	
	23Q40	.5	070	L	.		1191513	A	
	24Q40	5.2	080	C	C		1196500	A	
	24R40	1.6	090	C	C		1196500	A	
	21R42	4.3	100	L	.		1191400	A	
	13R46	2.1	110	L	.		1194904	A	
	13S04	1.5	120	L	.		1196330	A	
	10S04	.7	130	L	.		1196340	A	
	11S05	40.0T	135	T	T		1196500	A	
A20									
1200100	01L35	4.9	010	T	T		1200100	A	
	02M26	1.5	020	L	.		1120110	A	
	05M26	5.2	030	C	C		1200100	A	
	05N26	5.1	040	C	C		1200100	A	
	04P18	6.0	050	L	.		1200140	A	
	15P23	22.7T	055	S	FF		1200100	A	
NA20									
1200104	15P25	.0T	005	S	NFF		1200104	A	I
1200110-1	15P12	2.6	010	S	+		1200116	A	
	16P39	2.6T	015	S	+		1200110	A	
B20									
1200300	04P33	2.4	010	L	.		1206504	A	
	08P27	1.1	020	S	FF		1200300	A	
	09P35	13.5	030	L	.		2500090	A	
	27Q25	17.0T	035	L	.		1361512	A	
NB20									
1200304	08P28	.0T	005	S	NFF		1200304	A	I
1200310-1	08P50	1.6	010	S	+		1200310	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	09P39	1.6T	015	S	+		1200310	A	
C20	1200500	04P15	1.0	010	S	FB	1200500	A	
	03P10	.8	020	L	.		1191310	A	
	01P11	1.8T	025	T	T		1200500	A	
D20	1201300	04P23	4.5	010	S	FF	1201300	A	
	04Q13	4.5T	015	L	.		1281312	A	
DAT20	1201400	22R12	1.6	010	L	*	1201410	A	
	21R31	4.9	020	S	B		1201400	A	
	28R08	6.5T	025	L	.		1062582	A	
D1020	1201500	22Q20	.6	010	S	-BCR	1201500	A	
	21Q25	.6T	015	L	.		1201512	A	
D1020/1	1201510	15P34	5.8	010	L	.	1200116	A	
	21Q02	1.9	020	S	FF		1201510	A	
	22Q19	7.7T	025	L	*		1201520	A	
ND1020/1	1201511	21Q21	.0T	005	S	NFF	1201511	A	I
	1201512-1	21Q18	3.3	010	S	+	1201512	A	
	23Q47	3.3T	015	S	+		1201513	A	
FP20	1202100	32L22	.5	010	C	C	1202100	A	
	31L22	12.5	020	T	T		1202100	A	
	14M06	5.2	030	C	C		1202100	A	
	14N06	9.2	040	C	C		1202100	A	
	09P26	5.3	050	L	.		1200316	A	
	18P19	3.0	060	L	.		1206560	A	
	23P28	35.7T	065	S	I		1202100	A	
G20	1202500	04P06	12.0	010	S	B	1202500	A	
	17N02	12.0T	015	L	.		4500350	A	
K20	1202750	17N19	14.0	010	S	B	1202750	A	
	04P46	14.0T	015	L	.		1206500	A	
KS20	1203050	18P07	2.9	010	S	-NS	1203050	A	
	16P33	2.9T	015	L	.		1200110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
KSP20									
1203100	02R44	5.0	010	S	-NS		1203100	A	
	08R21	4.5	020	L	.		2089020	A	
	13R50	4.8	030	L	.		1204904	A	
	12S38	14.3T	035	L	.		1203110	A	
NKSP20									
1203110	12S31	9.0	010	S	I		1203110	A	
	08R07	9.0T	015	L	.		2089020	A	
MB20									
1204100	25P20	11.7	010	S	-BCR		1204100	A	
	04P36	11.7T	015	L	.		1200502	A	
1204150-1	24P41	2.1	010	S	B		1204150	A	
	25P19	2.1T	015	L	*		1204150	A	
P20									
1204900	08R06	6.4	010	L	.		2089020	A	
	10S07	5.4	020	L	.		6942182	A	
	13R25	1.7	030	S	FF		1204900	A	
	15R15	13.5T	035	L	*		1203350	A	
NP20									
1204902	03R20	1.3	010	L	.		3315121	A	
	05R23	2.5	020	L	.		6825182	A	
	07R03	1.6	030	L	.		1204940	A	
	08R20	2.9	040	L	.		2089020	A	
	13R26	8.3T	045	S	NFF		1204902	A	
1204904-1	13R31	.0T	005	S	+		1204904	A	I
1204914-1	13R24	.0T	005	S	+		1204914	A	I
P20-1									
1204940	01P20	4.5	010	T	T		1204940	A	
	01N30	.5	020	L	.		5830005	A	
	02N30	.5	030	L	.		5830015	A	
	03N30	.5	040	L	.		5830025	A	
	04N30	6.1	050	L	.		5830035	A	
	04P42	2.5	060	L	.		1206506	A	
	08P47	4.7	070	L	.		1200314	A	
	10Q28	5.2	080	C	C		1204940	A	
	10R28	2.0	090	C	C		1204940	A	
	07R19	3.4	100	S	I		1204940	A	
	02R28	29.9T	105	L	.		1204990	A	
PR20									
1205500	04P02	11.8	010	S	B		1205500	A	
	17N05	11.8T	015	L	.		4500351	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
RR20									
1206300	01S45	.5	010	S	-HSM		1206302	A	
	02S45	.5	020	S	-HSM		1206304	A	
	03S45	.5	030	S	-HSM		1206306	A	
	04S45	.5	040	S	-HSM		1206308	A	
	05S45	.5	050	S	-HSM		1206310	A	
	06S45	.5	060	S	-HSM		1206312	A	
	07S45	.5	070	S	-HSM		1206314	A	
	08S45	.9	080	S	-HSM		1206316	A	
	09S36	8.3	090	S	-BCR		1206300	A	
	10R05	5.2	100	C	C		1206300	A	
	10Q05	5.9	110	C	C		1206300	A	
	15P26	6.2	120	L	.		1200116	A	
	04P39	1.7	130	L	.		1200502	A	
	01P38	31.7T	135	T	T		1206300	A	
1206330-1									
	13S28	2.2	010	S	B		1206330	A	
	09S35	2.2T	015	L	*		1206330	A	
RW20									
1206340	09T07	5.9	010	T	T		1206340	B	
	01T33	.5	020	L	.		1282610	A	
	02T33	.5	030	L	.		1282612	A	
	03T33	.5	040	L	.		1282614	A	
	04T33	6.7	050	L	.		1282616	A	
	01S33	.5	060	L	.		1202600	A	
	02S33	.5	070	L	.		1202602	A	
	03S33	.5	080	L	.		1202604	A	
	04S33	.5	090	L	.		1202606	A	
	05S33	.5	100	L	.		1206220	A	
	06S33	.5	110	L	.		1206222	A	
	07S33	.5	120	L	.		1206224	A	
	08S33	1.1	130	L	.		1206226	A	
	10S28	18.7T	135	S	B		1206340	A	
S20									
1206500	04P19	3.5	010	S	I		1206500	A	
	09P33	3.6	020	L	.		1200312	A	
	16P35	2.0	030	L	.		1190112	A	
	18P18	2.8	040	L	.		1206560	A	
	23P21	1.6	050	L	.		1202100	A	
	24P38	6.6	060	L	.		1204150	A	
	23Q50	.5	070	L	.		1201513	A	
	24Q50	5.2	080	C	C		1206500	A	
	24R50	2.4	090	C	C		1206500	A	
	21R38	4.3	100	L	.		1201400	A	
	13R42	3.8	110	L	.		1204904	A	
	13S21	1.5	120	L	.		1206330	A	
	10S21	.5	130	L	.		1206340	A	
	11S21	38.3T	135	T	T		1206500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
A21									
1210100	01L34	5.0	010	T	T		1210100	A	
	02M24	1.5	020	L	.		1130110	A	
	05M24	5.2	030	C	C		1210100	A	
	05N24	5.7	040	C	C		1210100	A	
	04P24	6.1	050	L	.		1210140	A	
	15P19	23.5T	055	S	FF		1210100	A	
NA21									
1210104	15P21	.0T	005	S	NFF		1210104	A	I
1210110-1	15P28	1.6	010	S	+		1210122	A	
	16P41	1.6T	015	S	+		1210110	A	
A21L									
1210150	06P18	5.1	010	S	B		1210150	A	
	15P13	3.5	020	L	.		1210118	A	
	22P13	8.6T	025	T	T		1210150	A	
B21									
1210300	04P47	3.2	010	L	.		1216504	A	
	08P31	1.5	020	S	FF		1210300	A	
	09P14	8.4	030	L	.		2500090	A	
	17N29	5.8	040	L	.		2080500	A	
	26N11	3.9	050	L	.		7342000	A	
	30N37	16.1	060	L	.		4385400	A	
	20Q45	4.8	070	L	.		8065500	A	
	27Q24	43.7T	075	L	.		1371512	A	
NB21									
1210304	08P26	9.0	010	S	NFF		1210304	A	
	17N36	10.8	020	L	.		2080500	A	
	20Q20	.5	030	L	.		3532000	A	
	20Q25	20.3T	035	L	.		2100500	A	
1210310-1	08P46	1.1	010	S	+		1210310	A	
	09P41	1.1T	015	S	+		1210310	A	
C21									
1210500	04P05	1.8	010	S	FB		1210500	A	
	01P06	1.8T	015	T	T		1210500	A	
D21									
1211300	04P28	4.0	010	S	FF		1211300	A	
	04Q12	10.9	020	L	.		1291312	A	
	17P27	14.9T	025	L	.		1000051	A	
DAT21									
1211400	22R15	1.9	010	L	*		1211410	A	
	21R30	4.1	020	S	B		1211400	A	
	28R25	6.0T	025	L	.		1072582	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
D1021 1211500	22Q22 21Q24	.6 .6T	010 015	S L	-BCR .		1211500 1211512	A A	
D1021/1 1211510	15P42 21Q04 22Q23	5.4 2.0 7.4T	010 020 025	L S L	. FF *		1210116 1211510 1211520	A A A	
ND1021/1 1211511	21Q05	.0T	005	S	NFF		1211511	A	I
1211512-1	21Q03 23Q44	3.9 3.9T	010 015	S S	+ +		1211512 1211513	A A	
FP21 1212100	32L23 31L23 14M07 14N07 09P24 18P15 23P27	.5 12.5 5.2 9.3 5.4 3.4 36.3T	010 020 030 040 050 060 065	C T C C L L S	C T C C . . I		1212100 1212100 1212100 1212100 1210316 1216560 1212100	A A A A A A A	
G21 1212500	04P04 17N04	11.7 11.7T	010 015	S L	B .		1212500 4500351	A A	
K21 1212750	17N18 04P38	13.2 13.2T	010 015	S L	B .		1212750 1216502	A A	
KS21 1213050	18P08 16P09	.8 .8T	010 015	S L	-NS .		1213050 1210110	A A	
KSP21 1213100	02R43 08R50 12S37 13R06	3.4 6.4 7.8 17.6T	010 020 030 035	S L L L	-NS . . .		1213100 2089034 1213110 1214904	A A A A	
NKSP21 1213110	12S30 08R18	8.1 8.1T	010 015	S L	I .		1213110 2089022	A A	
MB21 1214100	25P22 04P30	11.1 11.1T	010 015	S L	-BCR .		1214100 1210502	A A	
1214150-1	24P36	1.7	010	S	B		1214150	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	25P23	1.7T	015	L	*		1214150	A	
P21									
1214900	02R18	3.6	010	L	.		1214990	A	
	07R07	1.4	020	L	.		6802120	A	
	08R19	2.5	030	L	.		2089006	A	
	13R19	1.0	040	S	FF		1214900	A	
	15R19	8.5T	045	L	*		1213350	A	
NP21									
1214902	09N25	1.5	010	T	T		1214902	A	
	06N25	.3	020	L	.		5754000	A	
	06N29	5.1	030	L	.		5754010	A	
	13N04	13.0	040	L	.		1214940	A	
	10Q21	5.2	050	C	C		1214902	A	
	10R21	3.5	060	C	C		1214902	A	
	03R21	.9	070	L	.		3315121	A	
	05R22	3.3	080	L	.		6825182	A	
	08R46	4.2	090	L	.		2089034	A	
	13R27	.4	100	L	.		1194907	A	
	13R21	37.4T	105	S	NFF		1214902	A	
1214904-1	13R20	.0T	005	S	+		1214904	A	I
1214914-1	13R17	.0T	005	S	+		1214914	A	I
P21-1									
1214940	13N18	9.3	010	S	I		1214940	A	
	08P43	2.3	020	L	.		1210314	A	
	04P44	7.3	030	L	.		1216506	A	
	06N33	.8	040	L	.		5754001	A	
	06N40	23.0	050	L	.		5754001	A	
	31Q39	14.5	060	C	C		1214940	A	
	02F39	19.3	070	C	C		1214940	A	
	25E05	1.5	080	L	.		7890640	A	
	22E05	78.0T	085	T	T		1214940	A	
PR21									
1215500	04P01	10.8	010	S	B		1215500	A	
	17N10	10.8T	015	L	.		4500351	A	
RR21									
1216300	01S46	.5	010	S	-HSM		1216302	A	
	02S46	.5	020	S	-HSM		1216304	A	
	03S46	.5	030	S	-HSM		1216306	A	
	04S46	.5	040	S	-HSM		1216308	A	
	05S46	.5	050	S	-HSM		1216310	A	
	06S46	.5	060	S	-HSM		1216312	A	
	07S46	.5	070	S	-HSM		1216314	A	
	08S46	1.1	080	S	-HSM		1216316	A	
	09S38	8.1	090	S	-BCR		1216300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	10R06	5.2	100	C	C		1216300	A	
	10Q06	5.2	110	C	C		1216300	A	
	15P40	5.7	120	L	.		1210116	A	
	04P35	1.6	130	L	.		1210502	A	
	01P33	30.4T	135	T	T		1216300	A	
1216330-1	13S27	2.7	010	S	B		1216330	A	
	09S37	2.7T	015	L	*		1216330	A	
RW21									
1216340	09T44	5.2	010	T	T		1216340	B	
	01T28	.5	020	L	.		1292610	A	
	02T28	.5	030	L	.		1292612	A	
	03T28	.5	040	L	.		1292614	A	
	04T28	6.7	050	L	.		1292616	A	
	01S28	.5	060	L	.		1212600	A	
	02S28	.5	070	L	.		1212602	A	
	03S28	.5	080	L	.		1212604	A	
	04S28	.5	090	L	.		1212606	A	
	05S28	.5	100	L	.		1216220	A	
	06S28	.5	110	L	.		1216222	A	
	07S28	.5	120	L	.		1216224	A	
	08S28	1.3	130	L	.		1216226	A	
	10S27	18.2T	135	S	B		1216340	A	
S21									
1216500	04P17	3.1	010	S	I		1216500	A	
	09P09	3.7	020	L	.		1210312	A	
	16P14	1.0	030	L	.		1200112	A	
	18P14	3.1	040	L	.		1216560	A	
	23P22	1.7	050	L	.		1212100	A	
	24P37	6.3	060	L	.		1214150	A	
	23Q45	.5	070	L	.		1211513	A	
	24Q45	5.2	080	C	C		1216500	A	
	24R45	2.1	090	C	C		1216500	A	
	21R37	6.3	100	L	.		1211400	A	
	13R08	6.3	110	L	.		1214904	A	
	13S22	1.5	120	L	.		1216330	A	
	10S22	1.7	130	L	.		1216340	A	
	11S06	42.5T	135	T	T		1216500	A	
A22									
1220100	01L33	5.4	010	T	T		1220100	A	
	02M29	1.8	020	L	.		1140110	A	
	05M33	5.2	030	C	C		1220100	A	
	05N33	4.4	040	C	C		1220100	A	
	05P18	6.1	050	L	.		1220140	A	
	15P31	22.9T	055	S	FF		1220100	A	
NA22									
1220104	15P29	.0T	005	S	NFF		1220104	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1220110-1	15P37	.7	010	S	+		1220118	A	
	16P42	.7T	015	S	+		1220110	A	
A22L									
1220150	06P19	5.1	010	S	B		1220150	A	
	15P11	5.3	020	L	.		1220118	A	
	19N37	10.4T	025	T	T		1220150	A	
B22									
1220300	05P33	1.4	010	L	.		1226504	A	
	08P30	2.4	020	S	FF		1220300	A	
	09P04	5.5	030	L	.		2500092	A	
	09Q08	6.8	040	L	.		1240312	A	
	20Q26	1.5	050	L	.		2100500	A	
	20Q46	6.2	060	L	.		8065500	A	
	27Q13	9.8	070	L	.		1381512	A	
	30N38	4.1	080	L	.		4385410	A	
	26N10	6.1	090	L	.		7342000	A	
	17N35	43.8T	095	L	.		2080500	A	
NB22									
1220304	08P29	9.4	010	S	NFF		1220304	A	
	17N33	9.4T	015	L	.		2080500	A	
1220310-1	08P41	.4	010	S	+		1220310	A	
	09P42	.4T	015	S	+		1220310	A	
C22									
1220500	05P15	1.0	010	S	FB		1220500	A	
	04P10	1.4	020	L	.		1211310	A	
	01P09	2.4T	025	T	T		1220500	A	
D22									
1221300	05P23	4.5	010	S	FF		1221300	A	
	05Q13	5.8	020	L	.		1301312	A	
	06P08	4.8	030	L	.		4425300	A	
	10P46	15.1T	035	L	.		4425320	A	
DAT22									
1221400	22R19	1.2	010	L	*		1221410	A	
	21R29	5.3	020	S	B		1221400	A	
	29R08	6.5T	025	L	.		1082582	A	
D1022									
1221500	22Q27	1.5	010	S	-BCR		1221500	A	
	21Q13	1.5T	015	L	.		1221512	A	
D1022/1									
1221510	15P47	5.6	010	L	.		1220116	A	
	21Q14	1.4	020	S	FF		1221510	A	
	22Q25	7.0T	025	L	*		1221520	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NDI022/1									
1221511	21Q12	.0T	005	S	NFF		1221511	A	I
1221512-1	21Q11	1.7	010	S	+		1221512	A	
	23Q22	1.7T	015	S	+		1221513	A	
FP22									
1222100	32L24	.5	010	C	C		1222100	A	
	31L24	12.5	020	T	T		1222100	A	
	14M08	5.2	030	C	C		1222100	A	
	14N08	9.0	040	C	C		1222100	A	
	09P29	5.5	050	L	.		1220316	A	
	18P12	3.6	060	L	.		1226560	A	
	23P25	36.3T	065	S	I		1222100	A	
G22									
1222500	05P06	11.9	010	S	B		1222500	A	
	17N01	11.9T	015	L	.		4500351	A	
K22									
1222750	17N20	13.2	010	S	B		1222750	A	
	05P46	13.2T	015	L	.		1226500	A	
KS22									
1223050	18P09	1.7	010	S	-NS		1223050	A	
	16P19	1.7T	015	L	.		1220110	A	
KSP22									
1223100	02R40	3.6	010	S	-NS		1223100	A	
	08R47	5.5	020	L	.		2089030	A	
	13R07	8.2	030	L	.		1224904	A	
	12S36	17.3T	035	L	.		1223110	A	
NKSP22									
1223110	12S29	6.4	010	S	I		1223110	A	
	08R42	6.4T	015	L	.		2089030	A	
MB22									
1224100	25P27	10.9	010	S	-BCR		1224100	A	
	05P36	10.9T	015	L	.		1220502	A	
1224150-1	24P27	.6	010	S	B		1224150	A	
	25P25	.6T	015	L	*		1224150	A	
P22									
1224900	02R11	2.4	010	L	.		1224990	A	
	07R08	3.2	020	L	.		6802120	A	
	08R43	5.3	030	L	.		2089030	A	
	13R05	2.3	040	S	FF		1224900	A	
	15R23	13.2T	045	L	*		1223350	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NP22									
1224902	09N26	1.5	010	T	T		1224902	A	
	06N26	.5	020	L	.		5754000	A	
	06N31	.4	030	L	.		5754010	A	
	06N37	.6	040	L	.		5754001	A	
	06N45	5.3	050	L	.		5754011	A	
	13N21	12.6	060	L	.		1224940	A	
	10Q29	5.2	070	C	C		1224902	A	
	10R29	3.5	080	C	C		1224902	A	
	03R29	.8	090	L	.		3315121	A	
	05R28	1.6	100	L	.		6825182	A	
	08R26	2.8	110	L	.		2089016	A	
	13R22	.4	120	S	NFF		1224902	A	
	13R28	35.2T	125	L	.		1194907	A	
1224904-1	13R12	.0T	005	S	+		1224904	A	I
1224914-1	13R03	.0T	005	S	+		1224914	A	I
P22-1									
1224940	13N28	5.1	010	S	I		1224940	A	
	06N50	.4	020	L	.		5754010	A	
	06N44	.9	030	L	.		5754011	A	
	06N35	.6	040	L	.		5754001	A	
	06N28	6.8	050	L	.		5754000	A	
	05P42	1.5	060	L	.		1226506	A	
	08P42	16.6	070	L	.		1220314	A	
	31Q40	14.5	080	C	C		1224940	A	
	02F40	17.1	090	C	C		1224940	A	
	26E42	2.0	100	L	.		7890740	A	
	22E42	65.5T	105	T	T		1224940	A	
PR22									
1225500	05P02	11.0	010	S	B		1225500	A	
	17N09	11.0T	015	L	.		4500352	A	
RR22									
1226300	01S04	.5	010	S	-HSM		1226302	A	
	02S04	.5	020	S	-HSM		1226304	A	
	03S04	.5	030	S	-HSM		1226306	A	
	04S04	.5	040	S	-HSM		1226308	A	
	05S04	.5	050	S	-HSM		1226310	A	
	06S04	.5	060	S	-HSM		1226312	A	
	07S04	.5	070	S	-HSM		1226314	A	
	08S04	3.2	080	S	-HSM		1226316	A	
	09S40	8.5	090	S	-BCR		1226300	A	
	10R07	5.2	100	C	C		1226300	A	
	10Q07	6.2	110	C	C		1226300	A	
	15P24	5.8	120	L	.		1220116	A	
	05P39	2.3	130	L	.		1220502	A	
	01P40	34.7T	135	T	T		1226300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1230150	06P05	5.0	010	S	B		1230150	A	
	15P14	5.2	020	L	.		1230118	A	
	19N45	10.2T	025	T	T		1230150	A	
B23									
1230300	05P47	2.5	010	L	.		1236504	A	
	08P33	.6	020	S	FF		1230300	A	
	09P36	3.2	030	L	.		2500092	A	
	09Q07	8.5	040	L	.		1240310	A	
	20Q47	6.1	050	L	.		8065500	A	
	27Q08	9.9	060	L	.		1391512	A	
	30N39	30.8T	065	L	.		4385420	A	
NB23									
1230304	08P34	9.6	010	S	NFF		1230304	A	
	20Q11	13.6	020	L	.		2100800	A	
	26N09	23.2T	025	L	.		7342000	A	
1230310-1	08P39	2.7	010	S	+		1230314	A	
	09P06	2.7T	015	S	+		1230310	A	
C23									
1230500	05P05	2.1	010	S	FB		1230500	A	
	01P07	2.1T	015	T	T		1230500	A	
D23									
1231300	05P28	4.0	010	S	FF		1231300	A	
	05Q12	6.4	020	L	.		1311312	A	
	06P07	7.4	030	L	.		4425300	A	
	20P01	4.2	040	L	.		1231350	A	
	21N21	3.3	050	L	.		2500020	A	
	25N40	25.3T	055	L	.		1231340	A	
D23-1									
1231340	26D12	11.1	010	T	T		1231340	A	
	04D10	.5	020	L	.		2905506	A	
	03D10	5.2	030	C	C		1231340	A	
	03C10	4.6	040	C	C		1231340	A	
	12C08	6.2	050	L	.		1231360	A	
	07B28	8.2	060	L	.		4425620	A	
	01C31	31.2	070	C	C		1231340	A	
	32Q31	13.9	080	C	C		1231340	A	
	25N34	80.9T	085	S	B		1231340	A	
ND23-1									
1231350	16E50	6.7	010	T	T		1231350	A	
	04E39	6.2	020	L	.		7904000	A	
	03D33	5.2	030	C	C		1231350	A	
	03C33	13.8	040	C	C		1231350	A	
	21B39	14.8	050	L	.		2841552	A	
	01C33	31.2	060	C	C		1231350	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	32Q33	15.6	070	C	C		1231350	A	
	10P41	6.8	080	L	.		4425320	A	
	20P17	100.3T	085	S	I		1231350	A	
(D23.NR31)									
1231360	12C13	4.4	010	S	B		1231360	A	
	12B26	4.4T	015	L	.		7430140	A	
DAT23									
1231400	22R23	1.1	010	L	*		1231410	A	
	21R28	4.5	020	S	B		1231400	A	
	29R25	5.6T	025	L	.		1092582	A	
DI023									
1231500	22Q34	2.4	010	S	-BCR		1231500	A	
	21Q08	2.4T	015	L	.		1231512	A	
DI023/1									
1231510	15P45	5.2	010	L	.		1230116	A	
	21Q06	2.6	020	S	FF		1231510	A	
	22Q33	7.8T	025	L	*		1231520	A	
NDI023/1									
1231511	21Q07	.0T	005	S	NFF		1231511	A	I
FP23									
1232100	32L25	.5	010	C	C		1232100	A	
	31L25	12.5	020	T	T		1232100	A	
	14M09	5.2	030	C	C		1232100	A	
	14N09	9.1	040	C	C		1232100	A	
	09P27	4.7	050	L	.		1230316	A	
	18P20	2.9	060	L	.		1236560	A	
	23P26	34.9T	065	S	I		1232100	A	
G23									
1232500	05P04	11.1	010	S	B		1232500	A	
	17N06	11.1T	015	L	.		4500352	A	
K23									
1232750	15N18	1.7	010	S	B		1232750	A	
	17N08	13.5	020	L	.		1202752	A	
	05P38	6.0	030	L	.		1236500	A	
	11Q08	21.2T	035	L	.		3060110	A	
KS23									
1233050	18P42	2.4	010	S	-NS		1233050	A	
	16P21	2.4T	015	L	.		1230110	A	
KSP23									
1233100	02R09	5.5	010	S	-NS		1233100	A	
	08R44	3.4	020	L	.		2089032	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		14R50	4.8	030	L	.	1234904	A	
		12S35	13.7T	035	L	.	1233110	A	
NKSP23									
1233110	12S28	6.7	010	S	I	.	1233110	A	
	08R33	6.7T	015	L	.	.	2089032	A	
MB23									
1234100	25P34	10.3	010	S	-BCR	.	1234100	A	
	05P30	10.3T	015	L	.	.	1230502	A	
1234150-1	24P28	1.0	010	S	B	.	1234150	A	
	25P33	1.0T	015	L	*	.	1234150	A	
P23									
1234900	08R17	2.0	010	L	.	.	2089024	A	
	11R26	1.8	020	L	.	.	6802300	A	
	14R25	.5	030	S	FF	.	1234900	A	
	15R25	4.3T	035	L	*	.	1233350	A	
NP23									
1234902	03R22	1.5	010	L	.	.	3315122	A	
	05R19	1.1	020	L	.	.	6802340	A	
	07R22	2.3	030	L	.	.	1234940	A	
	08R45	4.1	040	L	.	.	2089032	A	
	14R26	9.0T	045	S	NFF	.	1234902	A	
1234904-1	14R31	.0T	005	S	+	.	1234906	A	I
1234914-1	14R24	.0T	005	S	+	.	1234914	A	I
P23-1									
1234940	22E09	4.6	010	T	T	.	1234940	A	
	29E26	19.6	020	L	.	.	7890448	A	
	02F41	14.5	030	C	C	.	1234940	A	
	31Q41	18.1	040	C	C	.	1234940	A	
	05P44	2.4	050	L	.	.	1236506	A	
	08P35	5.6	060	L	.	.	1230314	A	
	10Q27	5.2	070	C	C	.	1234940	A	
	10R27	1.5	080	C	C	.	1234940	A	
	07R27	3.6	090	S	I	.	1234940	A	
	02R38	75.1T	095	L	.	.	1234990	A	
PR23									
1235500	05P01	10.8	010	S	B	.	1235500	A	
	17N07	10.8T	015	L	.	.	1202752	A	
RR23									
1236300	01S01	.5	010	S	-HSM	.	1236302	A	
	02S01	.5	020	S	-HSM	.	1236304	A	
	03S01	.5	030	S	-HSM	.	1236306	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04S01	.5	040	S	-HSM		1236308	A	
	05S01	.5	050	S	-HSM		1236310	A	
	06S01	.5	060	S	-HSM		1236312	A	
	07S01	.5	070	S	-HSM		1236314	A	
	08S01	3.4	080	S	-HSM		1236316	A	
	09S42	8.3	090	S	-BCR		1236300	A	
	10R08	5.2	100	C	C		1236300	A	
	10Q08	5.6	110	C	C		1236300	A	
	15P36	4.9	120	L	.		1230116	A	
	05P35	2.3	130	L	.		1230502	A	
	01P36	33.2T	135	T	T		1236300	A	
1236330-1	13S26	3.1	010	S	B		1236330	A	
	09S45	3.1T	015	L	*		1236330	A	
RW23									
1236340	09T05	4.4	010	T	.		1236340	B	
	01T11	.5	020	L	.		1312610	A	
	02T11	.5	030	L	.		1312612	A	
	03T11	.5	040	L	.		1312614	A	
	04T11	6.7	050	L	.		1312616	A	
	01S11	.5	060	L	.		1232600	A	
	02S11	.5	070	L	.		1232602	A	
	03S11	.5	080	L	.		1232604	A	
	04S11	.5	090	L	.		1232606	A	
	05S11	.5	100	L	.		1236220	A	
	06S11	.5	110	L	.		1236222	A	
	07S11	.5	120	L	.		1236224	A	
	08S11	2.0	130	L	.		1236226	A	
	10S26	18.1T	135	S	B		1236340	A	
S23									
1236500	05P17	6.4	010	S	I		1236500	A	
	01Q02	8.1	020	S	I		1236508	A	
	09P21	4.5	030	L	.		1230312	A	
	16P36	3.2	040	L	.		1220112	A	
	16Q07	4.8	050	L	.		1240114	A	
	18P22	2.6	060	L	.		1236560	A	
	23P24	2.1	070	L	.		1232100	A	
	24P02	1.5	080	L	.		7502340	A	
	24P21	6.3	090	L	.		1234150	A	
	24Q35	5.2	100	C	C		1236500	A	
	24R35	1.5	110	C	C		1236500	A	
	21R35	4.3	120	L	.		1231400	A	
	14R42	5.9	130	L	.		1234904	A	
	10S24	.5	140	L	.		1236340	A	
	11S24	1.0	150	T	T		1236500	A	
	13S24	57.9T	155	L	.		1236330	A	
A24									
1240100	02Q18	11.5	010	L	.		1240140	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		16P31	5.6	020	L	.	1160110	A	
		14Q23	17.1T	025	S	FF	1240100	A	
NA24									
1240104	14Q25	.0T	005	S	NFF		1240104	A	I
1240110-1	14Q12	1.4	010	S	+		1240122	A	
	16Q18	1.4T	015	S	+		1240110	A	
A24L									
1240150	21N45	12.4	010	S	B		1240150	A	
	14Q20	12.4T	015	L	.		1240120	A	
B24									
1240300	02Q33	2.9	010	L	.		1246504	A	
	07Q27	2.6	020	S	FF		1240300	A	
	09Q05	2.4	030	L	.		2500094	A	
	09P43	15.0	040	L	.		1230310	A	
	28Q47	22.9T	045	L	.		1401512	A	
NB24									
1240304	07Q28	.0T	005	S	NFF		1240304	A	I
1240310-1	07Q50	3.4	010	S	+		1240310	A	
	09Q18	3.4T	015	S	+		1240316	A	
C24									
1240500	02Q15	6.8	010	S	FB		1240500	A	
	05P10	2.1	020	L	.		1231310	A	
	01P12	8.9T	025	T	T		1240500	A	
D24									
1241300	02Q23	18.9	010	S	FF		1241300	A	
	18N14	5.2	020	C	C		1241300	A	
	18M14	9.1	030	C	C		1241300	A	
	25L13	.5	040	L	.		1001312	A	
	24L13	33.7T	045	T	T		1241300	A	
DAT24									
1241400	22R25	1.1	010	L	*		1241410	A	
	21R18	5.2	020	S	B		1241400	A	
	30R08	6.3T	025	L	.		1102582	A	
D1024									
1241500	22Q36	2.4	010	S	-BCR		1241500	A	
	25Q47	2.4T	015	L	.		1241512	A	
D1024/1									
1241510	14Q34	6.3	010	L	.		1240116	A	
	25Q27	2.1	020	S	FF		1241510	A	
	22Q35	8.4T	025	L	*		1241520	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	B 15		21	28	33	37	41	77	
ND1024/1 1241511	25Q28	.0T	005	S	NFF		1241511	A	I
1241512-1	23Q04	4.4	010	S	+		1241513	A	
	25Q50	4.4T	015	S	+		1241512	A	
FP24 1242100	32L26	.5	010	C	C		1242100	A	
	31L26	12.5	020	T	T		1242100	A	
	14M10	5.2	030	C	C		1242100	A	
	14N10	14.3	040	C	C		1242100	A	
	09Q31	4.9	050	L	.		1240316	A	
	18Q37	7.7	060	L	.		1246560	A	
	23P34	45.1T	065	S	I		1242100	A	
G24 1242500	02Q06	14.5	010	S	B		1242500	A	
	16N46	14.5T	015	L	.		4500400	A	
K24 1242750	16N26	19.0	010	S	B		1242750	A	
	02Q46	19.0T	015	L	.		1246500	A	
KS24 1243050	18Q01	2.8	010	S	-NS		1243050	A	
	16Q22	2.8T	015	L	.		1240110	A	
KSP24 1243100	04R01	4.4	010	S	-NS		1243100	A	
	09R28	5.5	020	L	.		2089040	A	
	12S12	6.7	030	L	.		1243110	A	
	14R06	16.6T	035	L	.		1244904	A	
NKSP24 1243110	12S18	5.9	010	S	I		1243110	A	
	09R27	5.9T	015	L	.		2089040	A	
1243750-1	16S47	3.6	010	S	B		1243750	A	
	13T02	3.6T	015	L	*		1243750	A	
MB24 1244100	25P36	16.7	010	S	-BCR		1244100	A	
	02Q36	16.7T	015	L	.		1240502	A	
1244150-1	25N26	6.0	010	S	B		1244150	A	
	25P35	6.0T	015	L	*		1244150	A	
P24 1244900	09R41	2.2	010	L	.		2089040	A	
	11R25	3.1	020	L	.		6802300	A	
	14R47	2.1	030	L	.		1234907	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	14R19	1.5	040	S	FF		1244900	A	
	15R33	8.9T	045	L	*		1243350	A	
NP24									
1244902	03R23	.9	010	L	.		3315122	A	
	05R20	1.3	020	L	.		6802340	A	
	07R23	2.1	030	L	.		1244940	A	
	09R40	4.2	040	L	.		2089046	A	
	14R21	.8	050	S	NFF		1244902	A	
	14R28	9.3T	055	L	.		1234907	A	
1244904-1	14R20	.0T	005	S	+		1244904	A	I
1244914-1	14R17	.0T	005	S	+		1244914	A	I
P24-1									
1244940	06Q42	2.0	010	T	T		1244940	A	
	02Q42	3.0	020	L	.		1246506	A	
	07Q47	3.1	030	L	.		1240314	A	
	10Q22	5.2	040	C	C		1244940	A	
	10R22	1.4	050	C	C		1244940	A	
	07R25	2.4	060	S	I		1244940	A	
	04R14	17.1T	065	L	.		1244990	A	
PR24									
1245500	02Q02	14.7	010	S	B		1245500	A	
	16N43	14.7T	015	L	.		4500401	A	
RP24									
1246200	08Q27	4.3	010	S	FF		1246200	A	
	14Q46	2.8	020	L	.		1240120	A	
	19Q45	5.2	030	C	C		1246200	A	
	19R45	5.7	040	C	C		1246200	A	
	16S31	11.6	050	L	.		1243750	A	
	02R39	29.6T	055	L	.		1246215	A	
NRP24									
1246202	09K21	.5	010	L	.		7394002	A	
	10K21	.5	020	L	.		7394102	A	
	11K21	.5	030	L	.		7394202	A	
	12K21	2.0	040	L	.		7394302	A	
	16K21	.5	050	L	.		7394322	A	
	17K21	.5	060	L	.		7394222	A	
	18K21	.5	070	L	.		7394122	A	
	19K21	12.0	080	L	.		7394022	A	
	18M35	5.2	090	C	C		1246202	A	
	18N35	4.7	100	C	C		1246202	A	
	21P10	13.1	110	L	.		7344100	A	
	08Q28	1.6	120	S	NFF		1246202	A	
	10Q35	5.2	130	C	C		1246202	A	
	10R35	6.7	140	C	C		1246202	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		05S21	.5	150	L	.	7394042	A	
		06S21	.5	160	L	.	7394142	A	
		07S21	.5	170	L	.	7394242	A	
		08S21	5.7	180	L	.	7394342	A	
		09T21	.5	190	L	.	7394062	A	
		10T21	.5	200	L	.	7394162	A	
		11T21	.5	210	L	.	7394262	A	
		12T21	62.2T	215	L	.	7394362	A	
1246204-1	08Q50	.0T	005	S	+		1246204	A	I
RR24	1246300	01T43	.5	010	S	-HSM	1246302	A	
		02T43	.5	020	S	-HSM	1246304	A	
		03T43	.5	030	S	-HSM	1246306	A	
		04T43	.5	040	S	-HSM	1246308	A	
		05T43	.5	050	S	-HSM	1246310	A	
		06T43	.5	060	S	-HSM	1246312	A	
		07T43	.5	070	S	-HSM	1246314	A	
		08T43	.5	080	S	-HSM	1246316	A	
		09T43	.5	090	S	-HSM	1246318	A	
		10T43	.5	100	S	-HSM	1246320	A	
		11T43	.5	110	S	-HSM	1246322	A	
		12T43	1.9	120	S	-HSM	1246324	A	
		13T20	11.5	130	S	-BCR	1246300	A	
		10R26	5.2	140	C	C	1246300	A	
		10Q26	2.0	150	C	C	1246300	A	
		14Q26	4.7	160	L	.	1240116	A	
		06Q39	2.0	170	T	T	1246300	A	
		02Q39	32.8T	175	L	.	1240502	A	
1246330-1	13S34	4.2	010	S	B		1246330	A	
	13T19	4.2T	015	L	*		1246330	A	
RW24	1246340	06T39	.8	010	T	T	1246340	B	
		05T35	.5	020	L	.	1242600	A	
		06T35	.5	030	L	.	1242602	A	
		07T35	.5	040	L	.	1242604	A	
		08T35	.5	050	L	.	1242606	A	
		09T35	.5	060	L	.	1246220	A	
		10T35	.5	070	L	.	1246222	A	
		11T35	.5	080	L	.	1246224	A	
		12T35	6.4	090	L	.	1246226	A	
		10S34	10.7T	095	S	B	1246340	A	
S24	1246500	02Q19	5.1	010	S	B	1246502	A	
		08Q47	2.1	020	L	.	1246204	A	
		09Q22	2.6	030	L	.	1240312	A	
		13Q29	3.3	040	L	.	3060104	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		16Q05	2.4	050	L	.	1240112	A	
		16P43	3.4	060	L	.	1230112	A	
		23P40	7.6	070	L	.	1242100	A	
		18Q38	5.2	080	L	.	1246560	A	
		23Q05	.5	090	L	.	1241513	A	
		24Q05	9.3	100	C	C	1246500	A	
		25N24	14.5	110	L	.	1244150	A	
		24R05	2.3	120	C	C	1246500	A	
		21R12	3.8	130	L	.	1241400	A	
		14R08	8.1	140	L	.	1244904	A	
		13S40	1.5	150	L	.	1246330	A	
		10S40	.5	160	L	.	1246340	A	
		11S40	72.2T	165	T	T	1246500	A	
A25									
1250100	02Q24	11.8	010	L	.	.	1250140	A	
	16P30	5.1	020	L	.	.	1170110	A	
	14Q19	16.9T	025	S	FF	.	1250100	A	
NA25									
1250104	14Q21	.0T	005	S	NFF	.	1250104	A	I
1250110-1	14Q28	2.4	010	S	+	.	1250118	A	
	16Q13	2.4T	015	S	+	.	1250114	A	
A25L									
1250150	21N04	14.4	010	S	B	.	1250150	A	
	14Q13	14.4T	015	L	.	.	1250120	A	
B25									
1250300	02Q47	3.7	010	L	.	.	1256504	A	
	07Q31	2.0	020	S	FF	.	1250300	A	
	09Q17	11.4	030	L	.	.	2500094	A	
	28Q43	1.6	035	L	.	.	1411512	A	
	31Q38	14.5	040	C	C	.	1250300	C	
	02F38	9.1	050	C	C	.	1250300	C	
	15F07	7.5	060	L	.	.	8165200	C	
	26F36	49.8T	070	T	T	.	1250300	C	
NB25									
1250304	07Q26	.0T	005	S	NFF	.	1250304	A	I
1250310-1	07Q46	3.7	010	S	+	.	1250310	A	
	09Q13	3.7T	015	S	+	.	1250310	A	
C25									
1250500	02Q05	2.0	010	S	FB	.	1250500	A	
	06Q05	2.0T	015	T	T	.	1250500	A	
D25									
1251300	02Q28	21.2	010	S	FF	.	1251300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	24N35	5.2	020	C	C		1251300	A	
	24M35	7.2	030	C	C		1251300	A	
	25L12	.5	040	L	.		1011312	A	
	24L12	34.1T	045	T	T		1251300	A	
DAT25									
1251400	22R33	1.5	010	L	*		1251410	A	
	21R19	4.9	020	S	B		1251400	A	
	30R25	6.4T	025	L	.		1112582	A	
DI025									
1251500	22Q38	2.0	010	S	-BCR		1251500	A	
	25Q43	2.0T	015	L	.		1251512	A	
DI025/1									
1251510	14Q42	6.6	010	L	.		1250116	A	
	25Q31	1.9	020	S	FF		1251510	A	
	22Q37	8.5T	025	L	*		1251520	A	
NDI025/1									
1251511	25Q26	.0T	005	S	NFF		1251511	A	I
1251512-1	23Q03	4.1	010	S	+		1251513	A	
	25Q46	4.1T	015	S	+		1251512	A	
FP25									
1252100	32L27	.5	010	C	C		1252100	A	
	31L27	12.5	020	T	T		1252100	A	
	14M11	5.2	030	C	C		1252100	A	
	14N11	14.7	040	C	C		1252100	A	
	09Q30	4.8	050	L	.		1250316	A	
	18Q33	7.6	060	L	.		1256560	A	
	23P35	45.3T	065	S	I		1252100	A	
G25									
1252500	02Q04	14.5	010	S	B		1252500	A	
	16N44	14.5T	015	L	.		4500401	A	
K25									
1252750	16N27	18.6	010	S	B		1252750	A	
	02Q38	18.6T	015	L	.		1256500	A	
KS25									
1253050	18Q02	2.3	010	S	-NS		1253050	A	
	16Q20	2.3T	015	L	.		1250110	A	
KSP25									
1253100	04R02	5.1	010	S	-NS		1253100	A	
	09R35	5.1	020	L	.		2089042	A	
	12S13	6.7	030	L	.		1253110	A	
	14R07	16.9T	035	L	.		1254904	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NKSP25									
1253110	12S19	5.8	010	S	I		1253110	A	
	09R31	5.8T	015	L	.		2089042	A	
1253750-1	16S46	3.2	010	S	B		1253750	A	
	13T03	3.2T	015	L	*		1253750	A	
MB25									
1254100	25P38	16.1	010	S	-BCR		1254100	A	
	02Q30	16.1T	015	L	.		1250502	A	
1254150-1	25N25	6.1	010	S	B		1254150	A	
	25P37	6.1T	015	L	*		1254150	A	
P25									
1254900	04R11	4.6	010	L	.		1254990	A	
	09R39	1.9	020	L	.		2089042	A	
	11R27	2.8	030	L	.		6802300	A	
	14R45	3.0	040	L	.		1234907	A	
	14R05	2.7	050	S	FF		1254900	A	
	15R35	15.0T	055	L	*		1253350	A	
NP25									
1254902	09N23	1.9	010	T	T		1254902	A	
	13N24	12.7	020	L	.		1254940	A	
	20Q05	.5	030	L	.		6047600	A	
	19Q05	5.2	040	C	C		1254902	A	
	19R05	9.7	050	C	C		1254902	A	
	03R24	1.5	060	L	.		3315122	A	
	05R21	2.8	070	L	.		6802340	A	
	09R34	3.4	080	L	.		2089042	A	
	14R22	.5	090	S	NFF		1254902	A	
	14R27	38.2T	095	L	.		1234907	A	
1254904-1	14R12	.0T	005	S	+		1254906	A	I
1254914-1	14R03	.0T	005	S	+		1254914	A	I
P25-1									
1254940	13N26	17.3	010	S	I		1254940	A	
	02Q44	2.8	020	L	.		1256506	A	
	07Q43	3.6	030	L	.		1250314	A	
	12Q24	6.0	040	L	.		4375122	A	
	20Q01	2.7	050	L	.		6047500	A	
	22P44	32.4T	055	T	T		1254940	A	
PR25									
1255500	02Q01	14.3	010	S	B		1255500	A	
	16N40	14.3T	015	L	.		4500401	A	
RP25									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1256200	08Q31	3.8	010	S	FF		1256200	A	
	14Q44	2.5	020	L	.		1250120	A	
	19Q44	5.2	030	C	C		1256200	A	
	19R44	5.7	040	C	C		1256200	A	
	16S30	11.7	050	L	.		1253750	A	
	02R35	28.9T	055	L	.		1256215	A	
NRP25									
1256202	09K20	.5	010	L	.		7394002	A	
	10K20	.5	020	L	.		7394102	A	
	11K20	.5	030	L	.		7394202	A	
	12K20	2.0	040	L	.		7394302	A	
	16K20	.5	050	L	.		7394322	A	
	17K20	.5	060	L	.		7394222	A	
	18K20	.5	070	L	.		7394122	A	
	19K20	12.2	080	L	.		7394022	A	
	18M36	5.2	090	C	C		1256202	A	
	18N36	5.0	100	C	C		1256202	A	
	21P11	13.1	110	L	.		7344100	A	
	08Q26	1.4	120	S	NFF		1256202	A	
	10Q20	5.2	130	C	C		1256202	A	
	10R20	7.7	140	C	C		1256202	A	
	05S20	.5	150	L	.		7394042	A	
	06S20	.5	160	L	.		7394142	A	
	07S20	.5	170	L	.		7394242	A	
	08S20	5.7	180	L	.		7394342	A	
	09T20	.5	190	L	.		7394062	A	
	10T20	.5	200	L	.		7394162	A	
	11T20	.5	210	L	.		7394262	A	
	12T20	63.5T	215	L	.		7394362	A	
1256204-1	08Q46	.0T	005	S	+		1256204	A	I
RR25									
1256300	01T41	.5	010	S	-HSM		1256302	A	
	02T41	.5	020	S	-HSM		1256304	A	
	03T41	.5	030	S	-HSM		1256306	A	
	04T41	.5	040	S	-HSM		1256308	A	
	05T41	.5	050	S	-HSM		1256310	A	
	06T41	.5	060	S	-HSM		1256312	A	
	07T41	.5	070	S	-HSM		1256314	A	
	08T41	.5	080	S	-HSM		1256316	A	
	09T41	.5	090	S	-HSM		1256318	A	
	10T41	.5	100	S	-HSM		1256320	A	
	11T41	.5	110	S	-HSM		1256322	A	
	12T41	1.6	120	S	-HSM		1256324	A	
	13T22	10.6	130	S	-BCR		1256300	A	
	10R40	5.2	140	C	C		1256300	A	
	10Q40	2.0	150	C	C		1256300	A	
	14Q40	4.2	160	L	.		1250116	A	
	06Q35	2.0	170	T	T		1256300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		02Q35	31.1T 175	L	.		1250502	A	
1256330-1	13S35	4.3	010	S	B		1256330	A	
	13T23	4.3T	015	L	*		1256330	A	
RW25									
1256340	06T40	.9	010	T	T		1256340	B	
	05T34	.5	020	L	.		1252600	A	
	06T34	.5	030	L	.		1252602	A	
	07T34	.5	040	L	.		1252604	A	
	08T34	.5	050	L	.		1252606	A	
	09T34	.5	060	L	.		1256220	A	
	10T34	.5	070	L	.		1256222	A	
	11T34	.5	080	L	.		1256224	A	
	12T34	6.0	090	L	.		1256226	A	
	10S35	10.4T	095	S	B		1256340	A	
S25									
1256500	02Q17	4.9	010	S	B		1256502	A	
	08Q43	1.9	020	L	.		1256204	A	
	09Q20	3.5	030	L	.		1250312	A	
	13Q40	3.5	040	L	.		3060212	A	
	16Q17	2.1	050	L	.		1240112	A	
	18Q34	4.9	060	L	.		1256560	A	
	23Q02	2.7	070	L	.		1251513	A	
	23P39	7.4	080	L	.		1252100	A	
	25N23	10.2	090	L	.		1254150	A	
	24Q13	5.2	100	C	C		1256500	A	
	24R13	1.5	110	C	C		1256500	A	
	21R13	3.8	120	L	.		1251400	A	
	14R14	7.3	130	L	.		1254904	A	
	13S39	1.5	140	L	.		1256330	A	
	10S39	.5	150	L	.		1256340	A	
	11S39	60.9T	155	T	T		1256500	A	
A26									
1260100	16P34	10.5	010	L	.		1180110	A	
	03Q18	6.6	020	L	.		1260140	A	
	14Q31	17.1T	025	S	FF		1260100	A	
NA26									
1260104	14Q29	.0T	005	S	NFF		1260104	A	I
1260110-1	14Q37	2.9	010	S	+		1260116	A	
	16Q11	2.9T	015	S	+		1260112	A	
A26L									
1260150	26N42	13.9	010	S	B		1260150	A	
	14Q11	1.5	020	L	.		1260120	A	
	17Q11	15.4T	025	T	T		1260150	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
B26									
1260300	03Q33	1.9	010	L	.		1266504	A	
	07Q30	2.2	020	S	FF		1260300	A	
	09Q45	9.4	030	L	.		2500096	A	
	28Q42	13.5T	035	L	.		1421512	A	
NB26									
1260304	32F24	15.1	010	L	.		1260340	A	
	02F29	14.5	020	C	C		1260304	A	
	31Q29	12.0	030	C	C		1260304	A	
	07Q29	41.6T	035	S	NFF		1260304	A	
1260310-1	07Q41	3.2	010	S	+		1260310	A	
	09Q11	3.2T	015	S	+		1260310	A	
B26-1									
1260340	32F26	7.2	010	S	I		1260340	A	
	20F42	1.1	020	L	.		5134002	A	
	19F50	8.3T	025	T	T		1260340	A	
C26									
1260500	03Q15	1.0	010	S	FB		1260500	A	
	02Q10	2.0	020	L	.		1251310	A	
	06Q10	3.0T	025	T	T		1260500	A	
D26									
1261300	03Q23	20.6	010	S	FF		1261300	A	
	24N24	5.2	020	C	C		1261300	A	
	24M24	7.3	030	C	C		1261300	A	
	26L13	1.3	040	L	.		1021312	A	
	24L14	34.4T	045	T	T		1261300	A	
DAT26									
1261400	22R35	1.2	010	L	*		1261410	A	
	23R46	6.8	020	S	B		1261400	A	
	31R08	8.0T	025	L	.		1122582	A	
DI026									
1261500	22Q40	1.6	010	S	-BCR		1261500	A	
	25Q42	1.6T	015	L	.		1261512	A	
DI026/1									
1261510	14Q47	6.5	010	L	.		1260116	A	
	25Q30	1.9	020	S	FF		1261510	A	
	22Q39	8.4T	025	L	*		1261520	A	
NDI026/1									
1261511	25Q29	.0T	005	S	NFF		1261511	A	I
1261512-1	23Q09	3.4	010	S	+		1261513	A	
	25Q41	3.4T	015	S	+		1261512	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
FP26									
1262100	32L28	.5	010	C	C		1262100	A	
	31L28	12.5	020	T	T		1262100	A	
	14M12	5.2	030	C	C		1262100	A	
	14N12	14.6	040	C	C		1262100	A	
	09Q34	4.8	050	L	.		1260316	A	
	18Q30	7.2	060	L	.		1266560	A	
	23P41	44.8T	065	S	I		1262100	A	
G26									
1262500	03Q06	13.7	010	S	B		1262500	A	
	16N50	13.7T	015	L	.		4500401	A	
K26									
1262750	16N25	18.8	010	S	B		1262750	A	
	03Q46	18.8T	015	L	.		1266500	A	
KS26									
1263050	18Q03	2.5	010	S	-NS		1263050	A	
	16Q23	2.5T	015	L	.		1260110	A	
KSP26									
1263100	04R07	2.8	010	S	-NS		1263100	A	
	09R11	5.4	020	L	.		2089050	A	
	16R37	5.8	030	L	.		1264904	A	
	12S14	14.0T	035	L	.		1263110	A	
NKSP26									
1263110	12S20	7.4	010	S	I		1263110	A	
	09R09	7.4T	015	L	.		2089050	A	
1263750-1									
	16S44	3.8	010	S	B		1263750	A	
	13T09	3.8T	015	L	*		1263750	A	
MB26									
1264100	25P40	15.9	010	S	-BCR		1264100	A	
	03Q36	15.9T	015	L	.		1260502	A	
1264150-1									
	25N27	6.1	010	S	B		1264150	A	
	25P39	6.1T	015	L	*		1264150	A	
P26									
1264900	04R18	3.2	010	L	.		1264990	A	
	09R08	2.6	020	L	.		2089050	A	
	11R30	2.8	030	L	.		6802600	A	
	16R33	.8	040	S	FF		1264900	A	
	15R37	9.4T	045	L	*		1263350	A	
NP26									
1264902	19N19	5.7	010	T	T		1264902	B	
	11N38	1.1	020	L	.		1014204	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		13N40	9.7	030	L	.	1264940	A	
		10Q10	5.2	040	C	C	1264902	A	
		10R10	4.8	050	C	C	1264902	A	
		03R28	4.3	060	L	.	3315122	A	
		09R10	2.0	070	L	.	2089050	A	
		11R24	3.7	080	L	.	6802640	A	
		16R40	36.5T	085	S	NFF	1264902	A	
1264904-1	16R36	4.7	010	S	+		1264907	A	
	17S22	4.7T	015	S	+		1264910	A	
1264914-1	16R30	.0T	005	S	+		1264915	A	I
(S/P26)									
1264930	32F06	15.3	010	S	I		1264930	A	
	03F21	25.0	020	C	C		1264930	A	
	32S21	7.6	030	C	C		1264930	A	
	17S23	.9	040	L	.		1264910	A	
	19S24	48.8T	045	T	T		1264930	A	
P26-1									
1264940	03Q42	1.8	010	L	.		1266506	A	
	06Q41	.4	020	T	T		1264940	A	
	07Q42	12.2	030	L	.		1260314	A	
	11N46	1.9	040	L	.		1004202	A	
	13N34	16.3T	045	S	I		1264940	A	
PR26									
1265500	03Q02	14.5	010	S	B		1265500	A	
	16N39	14.5T	015	L	.		4500402	A	
RP26									
1266200	17K26	.5	010	L	.		7394222	A	
	16K26	2.0	020	L	.		7394322	A	
	12K26	.5	030	L	.		7394302	A	
	11K26	11.0	040	L	.		7394202	A	
	10M26	5.2	050	C	C		1266200	A	
	10N26	11.8	060	C	C		1266200	A	
	08Q30	4.5	070	S	FF		1266200	A	
	14Q50	3.3	080	L	.		1260120	A	
	10Q31	5.2	090	C	C		1266200	A	
	10R31	4.0	100	C	C		1266200	A	
	02R31	7.2	110	L	.		1266215	A	
	07S26	.5	120	L	.		7394242	A	
	08S26	6.7	130	L	.		7394342	A	
	11T26	.5	140	L	.		7394262	A	
	12T26	6.0	150	L	.		7394362	A	
	16S42	68.9T	155	L	.		1263750	A	
NRP26									
1266202	19K26	.5	010	L	.		7394022	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		18K26	4.0	020	L	.	7394122	A	
		10K26	.5	030	L	.	7394102	A	
		09K26	11.2	040	L	.	7394002	A	
		10M27	5.2	050	C	C	1266202	A	
		10N27	11.6	060	C	C	1266202	A	
		08Q29	1.3	070	S	NFF	1266202	A	
		10Q33	5.2	080	C	C	1266202	A	
		10R33	7.5	090	C	C	1266202	A	
		05S26	.5	100	L	.	7394042	A	
		06S26	6.7	110	L	.	7394142	A	
		09T26	.5	120	L	.	7394062	A	
		10T26	54.7T	125	L	.	7394162	A	
1266204-1	08Q41	.0T	005	S	+		1266204	A	I
RR26 1266300	01T09	.5	010	S	-HSM		1266302	A	
	02T09	.5	020	S	-HSM		1266304	A	
	03T09	.5	030	S	-HSM		1266306	A	
	04T09	.5	040	S	-HSM		1266308	A	
	05T09	.5	050	S	-HSM		1266310	A	
	06T09	.5	060	S	-HSM		1266312	A	
	07T09	.5	070	S	-HSM		1266314	A	
	08T09	.5	080	S	-HSM		1266316	A	
	09T09	.5	090	S	-HSM		1266318	A	
	10T09	.5	100	S	-HSM		1266320	A	
	11T09	.5	110	S	-HSM		1266322	A	
	12T09	1.8	120	S	-HSM		1266324	A	
	13T27	12.3	130	S	-BCR		1266300	A	
	10R24	5.2	140	C	C		1266300	A	
	10Q24	2.0	150	C	C		1266300	A	
	14Q24	6.3	160	L	.		1260116	A	
	03Q39	1.4	170	L	.		1260502	A	
	06Q40	34.5T	175	T	T		1266300	A	
1266330-1	13S41	4.0	010	S	B		1266330	A	
	13T25	4.0T	015	L	*		1266330	A	
RW26 1266340	06R37	9.6	010	T	T		1266340	B	
	05T19	.5	020	L	.		1262600	A	
	06T19	.5	030	L	.		1262602	A	
	07T19	.5	040	L	.		1262604	A	
	08T19	.5	050	L	.		1262606	A	
	09T19	.5	060	L	.		1266220	A	
	10T19	.5	070	L	.		1266222	A	
	11T19	.5	080	L	.		1266224	A	
	12T19	4.6	090	L	.		1266226	A	
	10S41	17.7T	095	S	B		1266340	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1270355	21E34	4.8	010	S	I		1270355	A	
	21F27	10.3	020	L	.		7339500	A	
	23D43	5.2	030	C	C		1270355	A	
	23C43	9.3	040	C	C		1270355	A	
	17B29	7.5	050	L	.		3163125	A	
	21A25	9.2	060	L	.		4100130	A	
	32B05	5.7	070	L	.		5130130	A	
	22B15	52.0T	075	T	T		1270355	A	
C27									
1270500	03Q05	1.3	010	S	FB		1270500	A	
	06Q04	1.3T	015	T	T		1270500	A	
D27									
1271300	03Q28	20.8	010	S	FF		1271300	A	
	24N30	5.2	020	C	C		1271300	A	
	24M30	7.6	030	C	C		1271300	A	
	26L12	.9	040	L	.		1031312	A	
	24L11	34.5T	045	T	T		1271300	A	
DAT27									
1271400	22R37	1.2	010	L	*		1271410	A	
	23R47	5.6	020	S	B		1271400	A	
	31R25	6.8T	025	L	.		1132582	A	
D1027									
1271500	22Q42	2.3	010	S	-BCR		1271500	A	
	25Q35	2.3T	015	L	.		1271512	A	
D1027/1									
1271510	14Q45	6.4	010	L	.		1270116	A	
	25Q33	2.4	020	S	FF		1271510	A	
	22Q45	8.8T	025	L	*		1271520	A	
ND1027/1									
1271511	25Q34	.0T	005	S	NFF		1271511	A	I
1271512-1	23Q17	2.6	010	S	+		1271513	A	
	25Q39	2.6T	015	S	+		1271512	A	
FP27									
1272100	32L29	.5	010	C	C		1272100	A	
	31L29	12.5	020	T	T		1272100	A	
	14M13	5.2	030	C	C		1272100	A	
	14N13	14.4	040	C	C		1272100	A	
	09Q28	5.0	050	L	.		1270316	A	
	18Q25	6.6	060	L	.		1276560	A	
	23P36	44.2T	065	S	I		1272100	A	
G27									
1272500	03Q04	14.0	010	S	B		1272500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	16N47	14.0T	015	L	.		4500402	A	
K27									
1272750	15N20	2.1	010	S	B		1272750	A	
	16N42	16.7	020	L	.		1242752	A	
	03Q38	18.8T	025	L	.		1276500	A	
KS27									
1273050	18Q04	2.3	010	S	-NS		1273050	A	
	16Q25	2.3T	015	L	.		1270110	A	
KSP27									
1273100	04R08	2.8	010	S	-NS		1273100	A	
	09R04	7.7	020	L	.		2089052	A	
	12S15	4.3	030	L	.		1273110	A	
	16R50	14.8T	035	L	.		1274904	A	
NKSP27									
1273110	12S21	6.2	010	S	I		1273110	A	
	09R30	6.2T	015	L	.		2089044	A	
1273750-1	16S45	4.5	010	S	B		1273750	A	
	13T12	4.5T	015	L	*		1273750	A	
MB27									
1274100	25P42	15.3	010	S	-BCR		1274100	A	
	03Q30	15.3T	015	L	.		1270502	A	
1274150-1	25N28	6.6	010	S	B		1274150	A	
	25P45	6.6T	015	L	*		1274150	A	
P27									
1274900	04R26	3.7	010	L	.		1274990	A	
	09R13	1.2	020	L	.		2089052	A	
	11R18	3.1	030	L	.		6802600	A	
	16R25	1.5	040	S	FF		1274900	A	
	15R39	9.5T	045	L	*		1273350	A	
NP27									
1274902	09N13	1.0	010	T	T		1274902	A	
	11N13	2.9	020	L	.		1024204	A	
	13N39	12.2	030	L	.		1274940	A	
	10Q38	5.2	040	C	C		1274902	A	
	10R38	3.5	050	C	C		1274902	A	
	03R38	5.9	060	L	.		3315123	A	
	09R03	2.5	070	L	.		2089052	A	
	11R23	2.6	080	L	.		6802640	A	
	16R26	35.8T	085	S	NFF		1274902	A	
1274904-1	16R31	.0T	005	S	+		1274904	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1274914-1	16R24	.0T	005	S	+		1274915	A	I
P27-1 1274940	13N35	1.8	010	S	I		1274940	A	
	11N42	14.6	020	L	.		1014202	A	
	03Q44	2.7	030	L	.		1276506	A	
	06Q31	.8	040	T	T		1274940	A	
	07Q35	19.9T	045	L	.		1270314	A	
PR27 1275500	03Q01	14.0	010	S	B		1275500	A	
	16N41	14.0T	015	L	.		1242752	A	
RP27 1276200	10K27	1.0	010	L	.		7394102	A	
	12K27	2.0	020	L	.		7394302	A	
	16K27	1.0	030	L	.		7394322	A	
	18K27	12.5	040	L	.		7394122	A	
	14M27	5.2	050	C	C		1276200	A	
	14N27	13.9	060	C	C		1276200	A	
	08Q33	3.7	070	S	FF		1276200	A	
	14Q43	2.8	080	L	.		1270120	A	
	10Q34	5.2	090	C	C		1276200	A	
	10R34	4.4	100	C	C		1276200	A	
	02R27	7.2	110	L	.		1276215	A	
	06S27	1.0	120	L	.		7394142	A	
	08S27	6.2	130	L	.		7394342	A	
	10T27	1.0	140	L	.		7394162	A	
	12T27	6.0	150	L	.		7394362	A	
	16S43	73.1T	155	L	.		1273750	A	
NRP27 1276202	19K27	1.0	010	L	.		7394022	A	
	17K27	3.0	020	L	.		7394222	A	
	11K27	1.0	030	L	.		7394202	A	
	09K27	10.9	040	L	.		7394002	A	
	10M28	5.2	050	C	C		1276202	A	
	10N28	11.9	060	C	C		1276202	A	
	08Q34	2.4	070	S	NFF		1276202	A	
	10Q19	5.2	080	C	C		1276202	A	
	10R19	11.6	090	C	C		1276202	A	
	11T27	1.0	100	L	.		7394262	A	
	09T27	6.2	110	L	.		7394062	A	
	07S27	1.0	120	L	.		7394242	A	
	05S27	60.4T	125	L	.		7394042	A	
1276204-1	08Q39	.0T	005	S	+		1276204	A	I
RR27 1276300	01T02	.5	010	S	-HSM		1276302	A	
	02T02	.5	020	S	-HSM		1276304	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		03T02	.5	030	S	-HSM	1276306	A	
		04T02	.5	040	S	-HSM	1276308	A	
		05T02	.5	050	S	-HSM	1276310	A	
		06T02	.5	060	S	-HSM	1276312	A	
		07T02	.5	070	S	-HSM	1276314	A	
		08T02	.5	080	S	-HSM	1276316	A	
		09T02	.5	090	S	-HSM	1276318	A	
		10T02	.5	100	S	-HSM	1276320	A	
		11T02	.5	110	S	-HSM	1276322	A	
		12T02	2.9	120	S	-HSM	1276324	A	
		13T34	11.8	130	S	-BCR	1276300	A	
		10R36	5.2	140	C	C	1276300	A	
		10Q36	2.0	150	C	C	1276300	A	
		14Q36	4.1	160	L	.	1270116	A	
		06Q34	1.3	170	T	T	1276300	A	
		03Q35	32.8T	175	L	.	1270502	A	
1276330-1	13S36	5.1	010	S	B		1276330	A	
	13T33	5.1T	015	L	*		1276330	A	
RW27									
1276340	06R01	12.1	010	T	T		1276340	B	
	05T12	.5	020	L	.		1272600	A	
	06T12	.5	030	L	.		1272602	A	
	07T12	.5	040	L	.		1272604	A	
	08T12	.5	050	L	.		1272606	A	
	09T12	.5	060	L	.		1276220	A	
	10T12	.5	070	L	.		1276222	A	
	11T12	.5	080	L	.		1276224	A	
	12T12	4.4	090	L	.		1276226	A	
	10S36	20.0T	095	S	B		1276340	A	
S27									
1276500	03Q17	3.8	010	S	B		1276502	A	
	08Q35	1.2	020	L	.		1276204	A	
	09Q25	3.2	030	L	.		1270312	A	
	13Q09	4.0	040	L	.		3060404	A	
	16Q44	2.3	050	L	.		1260112	A	
	18Q26	7.2	060	L	.		1276560	A	
	23P37	7.4	070	L	.		1272100	A	
	25N21	11.5	080	L	.		1274150	A	
	23Q18	.5	090	L	.		1271513	A	
	24Q18	5.2	100	C	C		1276500	A	
	24R18	1.2	110	C	C		1276500	A	
	23R28	4.5	120	L	.		1271400	A	
	16R42	6.1	130	L	.		1274904	A	
	13S37	1.5	140	L	.		1276330	A	
	10S37	.5	150	L	.		1276340	A	
	11S37	60.1T	155	T	T		1276500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1280100	04Q18	10.6	010	L	.	.	1280140	A	
	16P26	5.2	020	L	.	.	1200110	A	
	15Q23	15.8T	025	S	FF	.	1280100	A	
NA28									
1280104	15Q25	.0T	005	S	NFF	.	1280104	A	I
1280110-1	13Q46	3.5	010	S	+	.	1280122	A	
	15Q12	2.6	020	S	+	.	1280118	A	
	16Q39	6.1T	025	S	+	.	1280110	A	
A28L									
1280150	26P22	10.6	010	S	B	.	1280150	A	
	15Q20	7.1	020	L	.	.	1280120	A	
	22P42	17.7T	025	T	T	.	1280150	A	
B28									
1280300	04Q33	3.5	010	L	.	.	1286504	A	
	07Q02	3.6	020	S	FF	.	1280300	A	
	09Q35	10.2	030	L	.	.	2500098	A	
	28Q25	10.1	040	L	.	.	1441512	A	
	30N43	27.4T	045	L	.	.	4820100	A	
NB28									
1280304	07Q21	7.8	010	S	NFF	.	1280304	A	
	20Q40	7.8T	015	L	.	.	4845000	A	
1280310-1	07Q18	2.7	010	S	+	.	1280310	A	
	09Q39	2.7T	015	S	+	.	1280310	A	
C28									
1280500	04Q15	1.0	010	S	FB	.	1280500	A	
	03Q10	1.8	020	L	.	.	1271310	A	
	06Q09	2.8T	025	T	T	.	1280500	A	
D28									
1281300	04Q23	19.9	010	S	FF	.	1281300	A	
	24N31	5.2	020	C	C	.	1281300	A	
	24M31	8.1	030	C	C	.	1281300	A	
	27L13	1.6	040	L	.	.	1041312	A	
	24L15	34.8T	045	T	T	.	1281300	A	
DAT28									
1281400	22R39	.7	010	L	*	.	1281410	A	
	23R44	7.2	020	S	B	.	1281400	A	
	32R08	7.9T	025	L	.	.	1142582	A	
D1028									
1281500	26Q04	1.8	010	S	-BCR	.	1281500	A	
	25Q25	1.8T	015	L	.	.	1281512	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
DI028/1									
1281510	15Q34	7.4	010	L	.		1280116	A	
	25Q02	.8	020	S	FF		1281510	A	
	26Q01	8.2T	025	L	*		1281520	A	
NDI028/1									
1281511	25Q21	.0T	005	S	NFF		1281511	A	I
1281512-1	23Q14	1.3	010	S	+		1281513	A	
	25Q18	1.3T	015	S	+		1281512	A	
FP28									
1282100	32L30	.5	010	C	C		1282100	A	
	31L30	12.5	020	T	T		1282100	A	
	14M14	5.2	030	C	C		1282100	A	
	14N14	13.9	040	C	C		1282100	A	
	09Q26	5.3	050	L	.		1280316	A	
	18Q19	5.6	060	L	.		1286560	A	
	23P47	43.0T	065	S	I		1282100	A	
G28									
1282500	04Q06	16.8	010	S	B		1282500	A	
	16N02	16.8T	015	L	.		4500450	A	
K28									
1282750	16N19	18.8	010	S	B		1282750	A	
	04Q46	18.8T	015	L	.		1286500	A	
KS28									
1283050	18Q07	2.9	010	S	-NS		1283050	A	
	16Q33	2.9T	015	L	.		1280110	A	
KSP28									
1283100	04R44	4.7	010	S	-NS		1283100	A	
	09R14	6.6	020	L	.		2089060	A	
	12S11	7.3	030	L	.		1283110	A	
	16R06	18.6T	035	L	.		1284904	A	
NKSP28									
1283110	12S01	4.1	010	S	I		1283110	A	
	09R38	4.1T	015	L	.		2089044	A	
LR28-0									
1283700	26P14	3.9	010	S	B		1283700	A	
	25N37	8.9	020	L	.		1283710	A	
	08N31	1.5	030	L	.		1283730	A	
	08N12	11.6	040	L	.		1283720	A	
	10Q14	5.2	050	C	C		1283700	A	
	10R14	8.1	060	C	C		1283700	A	
	05S23	.5	070	L	.		7394044	A	
	06S23	.5	080	L	.		7394144	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		07S23	.5	090	L	.	7394244	A	
		08S23	5.7	100	L	.	7394344	A	
		09T23	.5	110	L	.	7394064	A	
		10T23	.5	120	L	.	7394164	A	
		11T23	.5	130	L	.	7394264	A	
		12T23	6.9	140	L	.	7394364	A	
		13S07	1.0	150	L	.	1283715	A	
		11S07	55.8T	155	T	T	1283700	A	
LR28-1 1283710		09K08	1.2	010	T	T	1283710	A	
		09K23	.5	020	L	.	7394004	A	
		10K23	.5	030	L	.	7394104	A	
		11K23	.5	040	L	.	7394204	A	
		12K23	2.0	050	L	.	7394304	A	
		16K23	.5	060	L	.	7394324	A	
		17K23	.5	070	L	.	7394224	A	
		18K23	.5	080	L	.	7394124	A	
		19K23	13.8	090	L	.	7394024	A	
		24M36	5.2	100	C	C	1283710	A	
		24N36	.5	110	C	C	1283710	A	
		25N36	25.7T	115	S	B	1283710	A	
LR28-2 1283715		13S06	2.2	010	S	B	1283715	A	
		09S01	2.2T	015	L	*	1283750	A	
NLR28-0 1283720		08N11	17.1	010	S	I	1283720	A	
		19Q28	5.2	020	C	C	1283720	A	
		19R28	5.0	030	C	C	1283720	A	
		16S09	8.4	040	L	.	1283735	A	
		12T25	.5	050	L	.	7394362	A	
		11T25	.5	060	L	.	7394262	A	
		10T25	.5	070	L	.	7394162	A	
		09T25	5.7	080	L	.	7394062	A	
		08S25	.5	090	L	.	7394342	A	
		07S25	.5	100	L	.	7394242	A	
		06S25	.5	110	L	.	7394142	A	
		05S25	1.5	120	L	.	7394042	A	
		05S42	45.9T	125	T	T	1283720	A	
NLR28-1 1283730		08N47	1.0	010	S	I	1283730	A	
		10N47	5.2	020	C	C	1283730	A	
		10M47	12.6	030	C	C	1283730	A	
		09K25	.5	040	L	.	7394002	A	
		10K25	.5	050	L	.	7394102	A	
		11K25	.5	060	L	.	7394202	A	
		12K25	2.0	070	L	.	7394302	A	
		16K25	.5	080	L	.	7394322	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	17K25	.5	090	L	.		7394222	A	
	18K25	.5	100	L	.		7394122	A	
	19K25	4.9	110	L	.		7394022	A	
	16L01	28.7T	115	T	T		1283730	A	
NLR28-2									
1283735	16S10	4.1	010	S	B		1283735	A	
	09S02	4.1T	015	L	*		1283755	A	
MB28									
1284100	18R04	.5	010	S	-BCR		1284100	A	
	19R04	5.2	020	C	C		1284100	A	
	19Q04	9.9	030	C	C		1284100	A	
	04Q36	15.6T	035	L	.		1280502	A	
1284150-1	21R01	1.5	010	S	B		1284150	A	
	18R01	1.5T	015	L	*		1284150	A	
P28									
1284900	04R22	3.1	010	L	.		1284990	A	
	09R29	1.1	020	L	.		2089044	A	
	11R31	3.0	030	L	.		6802600	A	
	15R45	.6	040	L	*		1283350	A	
	16R47	2.1	050	L	.		1264907	A	
	16R19	9.9T	055	S	FF		1284900	A	
NP28									
1284902	09R15	1.4	010	L	.		2089064	A	
	11R22	2.8	020	L	.		6802640	A	
	16R21	.8	030	S	NFF		1284902	A	
	16R28	1.7	040	L	.		1264908	A	
	19R29	5.2	050	C	C		1284902	A	
	19Q29	12.9	060	C	C		1284902	A	
	13N38	2.9	070	L	.		1284940	A	
	11N11	1.0	080	L	.		1034204	A	
	09N11	28.7T	085	T	T		1284902	A	
1284904-1	16R20	.0T	005	S	+		1284904	A	I
1284914-1	16R17	.0T	005	S	+		1284914	A	I
P28-1									
1284940	11N08	3.6	010	L	.		1024202	A	
	13N41	8.7	020	S	I		1284940	A	
	26P01	.6	030	L	.		1283702	A	
	26P06	15.9	040	L	.		1280150	A	
	07Q25	3.0	050	L	.		1280314	A	
	04Q42	12.6	060	L	.		1286506	A	
	05N20	5.2	070	C	C		1284940	A	
	05M20	1.0	080	C	C		1284940	A	
	03M20	.8	090	L	.		1080118	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		03M13	10.4	100	L	.	1090118	A	
		18L40	12.2	110	L	.	6802850	A	
		04K39	1.5	120	L	.	1010150	A	
		04K19	1.0	130	L	.	1070150	A	
		04K05	2.5	140	L	.	1020150	A	
		09K05	79.0T	145	T	T	1284940	A	
PR28									
1285500	04Q02	16.5	010	S	B	.	1285500	A	
	16N05	16.5T	015	L	.	.	4500452	A	
R28									
1286200	23M33	.5	010	S	FF	.	1286200	A	
	24M33	5.2	020	C	C	.	1286200	A	
	24N33	5.0	030	C	C	.	1286200	A	
	26P17	13.2	040	L	.	.	1283700	A	
	13Q37	16.2	050	L	.	.	1280122	A	
	06N07	1.5	060	L	.	.	7300900	A	
	09N07	41.6T	065	T	T	.	1286200	A	
NR28									
1286202	23M40	4.5	010	S	NFF	.	1286202	A	
	14M40	5.2	020	C	C	.	1286202	A	
	14N40	10.7	030	C	C	.	1286202	A	
	13Q36	10.6	040	L	.	.	1280122	A	
	31Q14	14.5	050	C	C	.	1286202	A	
	02F14	3.4	060	C	C	.	1286202	A	
	08F08	1.7	070	L	.	.	7395102	A	
	11F09	6.4	080	L	.	.	2405120	A	
	21F30	9.9	090	L	.	.	7471030	F	
	27E08	4.2	100	L	.	.	7900398	A	
	31E38	.5	110	L	.	.	1286215	A	
	30E38	71.6T	115	T	T	.	1286202	A	
1286204-1	23M36	.0T	005	S	+	.	1286209	A	I
1286210-1	23M30	.0T	005	S	+	.	1286210	A	I
R28-1									
1286215	31E41	9.6	010	S	I	.	1286215	A	
	17E08	8.2	020	L	.	.	7901750	A	
	11F08	11.1	030	L	.	.	2403920	A	
	11D03	5.2	040	C	C	.	1286215	A	
	11C03	14.2	050	C	C	.	1286215	A	
	25A47	.5	060	L	.	.	8065152	A	
	26A47	48.8T	065	T	T	.	1286215	A	
RR28									
1286300	01T45	.5	010	S	-HSM	.	1286302	A	
	02T45	.5	020	S	-HSM	.	1286304	A	
	03T45	.5	030	S	-HSM	.	1286306	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1286600	25A06	23.8	010	S	FF		1286600	A	
	01C27	31.2	020	C	C		1286600	A	
	32Q27	10.1	030	C	C		1236600	A	
	13Q35	2.9	040	L	.		1280124	A	
	19Q36	5.2	050	C	C		1286600	A	
	19R36	3.1	060	C	C		1286600	A	
	16R13	2.7	070	L	.		1284908	A	
	20R24	79.0T	075	T	T		1286600	A	
NTR28									
1286601	25A07	.0T	005	S	NFF		1286601	A	I
(S/TR28)									
1286625	11B26	13.6	010	S	I		1286625	A	
	25A08	.7	020	L	.		1286604	A	
	26A09	14.3T	025	T	T		1286625	A	
N(S/TR28)									
1286630	20C18	9.3	010	S	I		1286630	A	
	11B24	3.4	020	L	.		1286625	A	
	16B35	12.7T	025	T	T		1286630	A	
A29									
1290100	04Q24	11.2	010	L	.		1290140	A	
	16P24	5.1	020	L	.		1210110	A	
	15Q19	16.3T	025	S	FF		1290100	A	
NA29									
1290104	15Q21	.0T	005	S	NFF		1290104	A	I
1290110-1	13Q45	2.0	010	S	+		1290122	A	
	15Q28	1.6	020	S	+		1290110	A	
	16Q41	3.6T	025	S	+		1290110	A	
A29L									
1290150	26N31	14.6	010	S	B		1290150	A	
	15Q13	6.6	020	L	.		1290120	A	
	22P41	21.2T	025	T	T		1290150	A	
B29									
1290300	07Q04	4.4	010	S	FF		1290300	A	
	04Q47	4.7	020	L	.		1296504	A	
	09Q14	10.2	030	L	.		2500098	A	
	28Q24	10.1	040	L	.		1451512	A	
	30N42	11.7	050	L	.		4820200	A	
	10N17	5.2	060	C	C		1290300	A	
	10M17	18.8	070	C	C		1290300	A	
	26K13	65.1T	075	L	.		3163140	A	
NB29									
1290304	07Q05	9.2	010	S	NFF		1290304	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		20Q41	5.6	020	L	.	4845000	A	
		31Q44	14.5	030	C	C	1290304	A	
		02F44	16.0	040	C	C	1290304	A	
		28F04	1.0	050	L	.	1290340	A	
		26F04	46.3T	055	T	T	1290304	A	
1290310-1	07Q03	3.8	010	S	+		1290314	A	
	09Q41	3.8T	015	S	+		1290310	A	
B29-1									
1290340	28F18	1.9	010	S	I		1290340	A	
	27F41	12.7	020	L	.		8165290	A	
	23D40	5.2	030	C	C		1290340	A	
	23C40	9.7	040	C	C		1290340	A	
	17B20	6.8	050	L	.		3163125	A	
	20A23	36.3T	055	T	T		1290340	A	
C29									
1290500	04Q05	.9	010	S	FB		1290500	A	
	06Q06	.9T	015	T	T		1290500	A	
D29									
1291300	04Q28	20.0	010	S	FF		1291300	A	
	24N34	5.2	020	C	C		1291300	A	
	24M34	8.4	030	C	C		1291300	A	
	27L12	1.6	040	L	.		1051312	A	
	24L17	35.2T	045	T	T		1291300	A	
DAT29									
1291400	22R45	.5	010	L	*		1291410	A	
	23R45	6.0	020	S	B		1291400	A	
	32R25	6.5T	025	L	.		1152582	A	
DI029									
1291500	26Q06	1.8	010	S	-BCR		1291500	A	
	25Q24	1.8T	015	L	.		1291512	A	
DI029/1									
1291510	15Q42	7.8	010	L	.		1290116	A	
	25Q04	.6	020	S	FF		1291510	A	
	26Q02	8.4T	025	L	*		1291520	A	
NDI029/1									
1291511	25Q05	.0T	005	S	NFF		1291511	A	I
1291512-1	23Q12	1.9	010	S	+		1291513	A	
	25Q03	1.9T	015	S	+		1291512	A	
FP29									
1292100	32L31	.5	010	C	C		1292100	A	
	31L31	12.5	020	T	T		1292100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		14M15	5.2	030	C	C	1292100	A	
		14N15	13.9	040	C	C	1292100	A	
		09Q24	5.4	050	L	.	1290316	A	
		18Q15	5.1	060	L	.	1296560	A	
		23P46	42.6T	065	S	I	1292100	A	
G29									
1292500	04Q04	16.5	010	S	B	.	1292500	A	
	16N04	16.5T	015	L	.	.	4500451	A	
K29									
1292750	16N18	18.0	010	S	B	.	1292750	A	
	04Q38	18.0T	015	L	.	.	1296500	A	
KS29									
1293050	18Q08	.8	010	S	-NS	.	1293050	A	
	16Q09	.8T	015	L	.	.	1290110	A	
KSP29									
1293100	04R09	2.6	010	S	-NS	.	1293100	A	
	09R07	3.5	020	L	.	.	2089062	A	
	16R07	7.4	030	L	.	.	1294904	A	
	12S09	13.5T	035	L	.	.	1293110	A	
NKSP29									
1293110	12S02	5.2	010	S	I	.	1293110	A	
	09R21	5.2T	015	L	.	.	2089062	A	
LR29-0									
1293700	16N24	6.0	010	S	B	.	1293700	A	
	25N43	9.9	020	L	.	.	1293710	A	
	24Q29	5.2	030	C	C	.	1293700	A	
	24R29	9.5	040	C	C	.	1293700	A	
	13S13	6.4	050	L	.	.	1293715	A	
	12T18	.5	060	L	.	.	7394366	A	
	11T18	.5	070	L	.	.	7394266	A	
	10T18	.5	080	L	.	.	7394166	A	
	09T18	5.7	090	L	.	.	7394066	A	
	08S18	.5	100	L	.	.	7394346	A	
	07S18	.5	110	L	.	.	7394246	A	
	06S18	.5	120	L	.	.	7394146	A	
	05S18	.7	130	L	.	.	7394046	A	
	05S08	46.4T	135	T	T	.	1293700	A	
LR29-1									
1293710	09K07	1.1	010	T	T	.	1293710	A	
	09K18	.5	020	L	.	.	7394006	A	
	10K18	.5	030	L	.	.	7394106	A	
	11K18	.5	040	L	.	.	7394206	A	
	12K18	2.0	050	L	.	.	7394306	A	
	16K18	.5	060	L	.	.	7394326	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	17K18	.5	070	L	.		7394226	A	
	18K18	.5	080	L	.		7394126	A	
	19K18	15.1	090	L	.		7394026	A	
	24M45	5.2	100	C	C		1293710	A	
	24N45	.5	110	C	C		1293710	A	
	25N45	26.9T	115	S	B		1293710	A	
LR29-2 1293715	13S15	2.9	010	S	B		1293715	A	
	09S03	2.9T	015	L	*		1293750	A	
MB29 1294100	18R06	2.3	010	S	-BCR		1294100	A	
	19R30	5.2	020	C	C		1294100	A	
	19Q30	7.5	030	C	C		1294100	A	
	04Q30	15.0T	035	L	.		1290502	A	
1294150-1	21R02	1.5	010	S	B		1294150	A	
	18R02	1.5T	015	L	*		1294150	A	
P29 1294900	04R34	2.9	010	L	.		1294990	A	
	05R05	2.5	020	L	.		6802900	A	
	05R39	.3	030	L	.		1030150	A	
	05R40	3.5	040	L	.		1000150	A	
	09R20	1.5	050	L	.		2089062	A	
	11R17	4.6	060	L	.		6802600	A	
	16R45	3.0	070	L	.		1264907	A	
	16R05	1.4	080	S	FF		1294900	A	
	18R12	19.7T	085	L	*		1293350	A	
NP29 1294902	19N20	4.6	010	T	T		1294902	B	
	12N39	.6	020	L	.		1044204	A	
	13N37	5.8	030	L	.		1294940	A	
	21N13	1.8	040	L	.		1250150	A	
	21N37	2.5	050	L	.		1240150	A	
	26N37	3.1	060	L	.		1270150	A	
	26P09	1.1	070	L	.		1280152	A	
	26P20	5.1	080	L	.		1280152	A	
	17P28	4.6	090	L	.		1060150	A	
	19Q06	5.2	100	C	C		1294902	A	
	19R06	5.0	110	C	C		1294902	A	
	09R06	2.6	120	L	.		2089062	A	
	11R28	2.9	130	L	.		6802640	A	
	16R22	.5	140	S	NFF		1294902	A	
	16R27	45.4T	145	L	.		1264908	A	
1294904-1	16R12	5.1	010	S	+		1294904	A	
	17S04	5.1T	015	S	+		1294910	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-1294914-1
 TYPE-PINLIST

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 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1294914-1	16R03	.0T	005	S	+		1294915	A	I
P29-1									
1294940	16N36	1.5	010	L	.		1293701	A	
	13N36	2.6	020	S	I		1294940	A	
	11N14	16.2	030	L	.		1034202	A	
	04Q44	3.0	040	L	.		1296506	A	
	07Q24	19.1	050	L	.		1290314	A	
	26N36	3.7	060	L	.		1290150	A	
	28P01	46.1T	065	T	T		1294940	A	
PR29									
1295500	04Q01	15.5	010	S	B		1295500	A	
	16N10	15.5T	015	L	.		4500451	A	
R29									
1296200	23M25	2.5	010	S	FF		1296200	A	
	18M25	5.2	020	C	C		1296200	A	
	18N25	1.3	030	C	C		1296200	A	
	16N29	6.4	040	L	.		1293700	A	
	06N12	16.2	050	L	.		7300900	A	
	13Q42	2.0	060	L	.		1290122	A	
	17Q42	33.6T	065	T	T		1296200	A	
NR29									
1296202	23M26	.8	010	S	NFF		1296202	A	
	24M22	5.2	020	C	C		1296202	A	
	24N22	17.3	030	C	C		1296202	A	
	13Q43	9.0	040	L	.		1290122	A	
	31Q43	14.5	050	C	C		1296202	A	
	02F43	11.1	060	C	C		1296202	A	
	21F18	8.9	070	L	.		7471030	F	
	31E39	.5	080	L	.		1296215	A	
	30E39	67.3T	085	T	T		1296202	A	
1296204-1	23M31	.0T	005	S	+		1296206	A	I
1296210-1	23M24	.0T	005	S	+		1296210	A	I
R29-1									
1296215	31E35	13.9	010	S	I		1296215	A	
	11F17	11.6	020	L	.		2405910	A	
	11D04	5.2	030	C	C		1296215	A	
	11C04	14.8	040	C	C		1296215	A	
	25A43	.4	050	L	.		8065202	A	
	26A44	45.9T	055	T	T		1296215	A	
RR29									
1296300	01T46	.5	010	S	-HSM		1296302	A	
	02T46	.5	020	S	-HSM		1296304	A	
	03T46	.5	030	S	-HSM		1296306	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		04T46	.5	040	S	-HSM	1296308	A	
		05T46	.5	050	S	-HSM	1296310	A	
		06T46	.5	060	S	-HSM	1296312	A	
		07T46	.5	070	S	-HSM	1296314	A	
		08T46	.5	080	S	-HSM	1296316	A	
		09T46	.5	090	S	-HSM	1296318	A	
		10T46	.5	100	S	-HSM	1296320	A	
		11T46	.5	110	S	-HSM	1296322	A	
		12T46	1.1	120	S	-HSM	1296324	A	
		13T38	11.8	130	S	-BCR	1296300	A	
		10R39	5.2	140	C	C	1296300	A	
		10Q39	2.4	150	C	C	1296300	A	
		15Q40	4.9	160	L	.	1290116	A	
		06Q33	1.1	170	T	T	1296300	A	
		04Q35	32.0T	175	L	.	1290502	A	
1296330-1	13S46	4.7	010	S	B	.	1296330	A	
	13T37	4.7T	015	L	*	.	1296330	A	
RW29									
1296340	06T44	1.7	010	T	T	.	1296340	B	
	05T28	.5	020	L	.	.	1292600	A	
	06T28	.5	030	L	.	.	1292602	A	
	07T28	.5	040	L	.	.	1292604	A	
	08T28	.5	050	L	.	.	1292606	A	
	09T28	.5	060	L	.	.	1296220	A	
	10T28	.5	070	L	.	.	1296222	A	
	11T28	.5	080	L	.	.	1296224	A	
	12T28	4.9	090	L	.	.	1296226	A	
	10S46	10.1T	095	S	B	.	1296340	A	
S29									
1296500	23M42	2.5	010	L	.	.	1296204	A	
	18M42	5.2	020	C	C	.	1296500	A	
	18N42	15.3	030	C	C	.	1296500	A	
	04Q17	3.1	040	S	I	.	1296500	A	
	09Q09	4.5	050	L	.	.	1290312	A	
	12P39	5.2	060	L	.	.	4410104	A	
	16Q14	1.0	070	L	.	.	1280112	A	
	18Q14	6.5	080	L	.	.	1296560	A	
	23P30	3.9	090	L	.	.	1292100	A	
	23Q11	.5	100	L	.	.	1291513	A	
	24Q11	5.2	110	C	C	.	1296500	A	
	24R11	2.4	120	C	C	.	1296500	A	
	23R37	3.1	130	L	.	.	1291400	A	
	21R09	3.1	140	L	.	.	1294150	A	
	16R14	8.9	150	L	.	.	1294904	A	
	11S30	.5	160	T	T	.	1296500	A	
	10S30	1.5	170	L	.	.	1296340	A	
	13S30	72.4T	175	L	.	.	1296330	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
TR29									
1296600	25A02	24.4	010	S	FF		1296600	A	
	01C28	31.2	020	C	C		1296600	A	
	32Q28	10.7	030	C	C		1296600	A	
	13Q44	3.1	040	L	.		1290124	A	
	19Q42	5.2	050	C	C		1296600	A	
	19R42	3.7	060	C	C		1296600	A	
	16R11	2.0	070	L	.		1294908	A	
	20R11	80.3T	075	T	T		1296600	A	
NTR29									
1296601	25A21	.0T	005	S	NFF		1296601	A	I
1296602-1	25A18	1.7	010	S	+		1296602	A	
	27A08	1.7T	015	S	+		1296606	A	
(S/TR29)									
1296625	24C10	10.1	010	S	I		1296625	A	
	25A25	4.1	020	L	.		1296602	A	
	20A03	14.2T	025	T	T		1296625	A	
N(S/TR29)									
1296630	20C19	2.7	010	S	I		1296630	A	
	24C09	13.0	020	L	.		1296625	A	
	20A04	15.7T	025	T	T		1296630	A	
A30									
1300100	28K37	5.4	010	T	T		1300100	A	
	29L33	10.8	020	L	.		1006464	A	
	18M30	5.2	030	C	C		1300100	A	
	18N30	16.1	040	C	C		1300100	A	
	05Q18	10.2	050	L	.		1300140	A	
	16P29	5.9	060	L	.		1220110	A	
	15Q31	2.0	070	S	FF		1300100	A	
	19Q31	5.2	080	C	C		1300100	A	
	19R31	6.8	090	C	C		1300100	A	
	17S39	67.6T	095	L	.		1324906	A	
NA30									
1300104	15Q29	.0T	005	S	NFF		1300104	A	I
1300110-1	13Q01	3.7	010	S	+		1300124	A	
	15Q37	.7	020	S	+		1300116	A	
	16Q42	4.4T	025	S	+		1300110	A	
A30L									
1300150	06P17	9.3	010	S	B		1300150	A	
	15Q11	6.3	020	L	.		1300120	A	
	22P40	15.6T	025	T	T		1300150	A	
B30									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1300300	05Q33	3.5	010	L	.	.	1306504	A	
	08Q02	.6	020	S	FF	.	1300300	A	
	09Q04	16.2	030	L	.	.	2500100	A	
	20N05	2.1	040	L	.	.	7900304	A	
	20N30	4.5	050	L	.	.	7900080	A	
	25N07	12.4	060	L	.	.	2503000	A	
	28Q13	10.4	070	L	.	.	1461512	A	
	30N24	.4	080	L	.	.	1300336	A	
	30N30	.3	090	L	.	.	4820300	A	
	29N31	5.2	100	C	C	.	1300300	A	
	29M31	4.5	110	C	C	.	1300300	A	
	29L42	6.4	120	L	.	.	1006464	A	
	30K37	8.5	130	L	.	.	5130140	A	
	30M11	75.0T	135	T	T	.	1300300	A	
NB30									
1300304	08Q21	7.4	010	S	NFF	.	1300304	A	
	20Q42	12.1	020	L	.	.	4845000	A	
	20N20	2.1	030	L	.	.	7900082	A	
	21N42	21.6T	035	L	.	.	2560130	A	
1300310-1									
	08Q18	2.3	010	S	+	.	1300314	A	
	09Q42	2.3T	015	S	+	.	1300310	A	
B30-1									
1300336	30N28	12.1	010	S	B	.	1300336	A	
	32Q34	31.2	020	C	C	.	1300336	A	
	01C34	23.0	030	C	C	.	1300336	A	
	32B07	6.3	040	L	.	.	5130130	A	
	31C15	5.2	050	C	C	.	1300336	A	
	31D15	17.7	060	C	C	.	1300336	A	
	16F11	5.5	070	L	.	.	8165300	A	
	19E27	101.0T	075	T	T	.	1300336	A	
C30									
1300500	05Q15	1.0	010	S	FB	.	1300500	A	
	04Q10	1.1	020	L	.	.	1291310	A	
	06Q12	2.1T	025	T	T	.	1300500	A	
D30									
1301300	05Q23	19.2	010	S	FF	.	1301300	A	
	21N10	19.2T	015	L	.	.	1061350	A	
DAT30									
1301400	21R20	6.4	010	S	B	.	1301400	A	
	26S01	6.4T	015	L	*	.	1301430	A	
D1030									
1301500	26Q08	.6	010	S	-BCR	.	1301500	A	
	25Q13	.6T	015	L	.	.	1301512	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
D1030/1 1301510	15Q47 25Q14 26Q03	7.2 1.6 8.8T	010 020 025	L S L	. FF *		1300116 1301510 1301520	A A A	
ND1030/1 1301511	25Q12	.0T	005	S	NFF		1301511	A	I
1301512-1	23Q27 25Q11	2.2 2.2T	010 015	S S	+ +		1301513 1301512	A A	
FP30 1302100	32L33 31L33 14M17 14N17 09Q29 18Q12 23P44	.5 12.5 5.2 13.9 5.5 5.3 42.9T	010 020 030 040 050 060 065	C T C C L L S	C T C C I		1302100 1302100 1302100 1302100 1300316 1306560 1302100	A A A A A A A	
G30 1302500	05Q06 16N01	16.6 16.6T	010 015	S L	B .		1302500 4500451	A A	
K30 1302750	16N20 05Q46	17.9 17.9T	010 015	S L	B .		1302750 1306500	A A	
KS30 1303050	18Q09 16Q19	1.7 1.7T	010 015	S L	-NS .		1303050 1300110	A A	
KSP30 1303100	04R40 09R42 12S08 17R37	2.6 4.2 5.8 12.6T	010 020 030 035	S L L L	-NS		1303100 2089072 1303110 1304904	A A A A	
NKSP30 1303110	12S04 09R18	5.7 5.7T	010 015	S L	I .		1303110 2089060	A A	
LR30-0 1303700	05S39 05S29 06S29 07S29 08S29 13S12 09T29 10T29	.7 .5 .5 .5 3.5 8.2 .5 .5	010 020 030 040 050 060 070 080	T L L L L L L L	T		1303700 7394048 7394148 7394248 7394348 1303715 7394068 7394168	A A A A A A A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		11T29	.5	090	L	.	7394268	A	
		12T29	13.7	100	L	.	7394368	A	
		19R33	5.2	110	C	C	1303700	A	
		19Q33	12.5	120	C	C	1303700	A	
		25N42	6.3	130	L	.	1303710	A	
		15N24	53.1T	135	S	B	1303700	A	
LR30-1									
1303710									
		09K29	.7	010	L	.	7394008	A	
		09K39	1.2	020	T	T	1303710	A	
		10K29	.5	030	L	.	7394108	A	
		11K29	.5	040	L	.	7394208	A	
		12K29	2.0	050	L	.	7394308	A	
		16K29	.5	060	L	.	7394328	A	
		17K29	.5	070	L	.	7394228	A	
		18K29	.5	080	L	.	7394128	A	
		19K29	14.0	090	L	.	7394028	A	
		24M44	5.2	100	C	C	1303710	A	
		24N44	.5	110	C	C	1303710	A	
		25N44	26.1T	115	S	B	1303710	A	
LR30-2									
1303715									
		13S11	2.1	010	S	B	1303715	A	
		09S09	2.1T	015	L	*	1303750	A	
MB30									
1304100									
		18R08	.5	010	S	-BCR	1304100	A	
		19R08	5.2	020	C	C	1304100	A	
		19Q08	9.1	030	C	C	1304100	A	
		05Q36	14.8T	035	L	.	1300502	A	
1304150-1									
		21R04	1.4	010	S	B	1304150	A	
		18R03	1.4T	015	L	*	1304150	A	
P30									
1304900									
		04R38	3.0	010	L	.	1304990	A	
		05R04	2.9	020	L	.	6803000	A	
		05R41	3.6	030	L	.	1000150	A	
		09R19	1.8	040	L	.	2089046	A	
		11R04	5.3	050	L	.	6942290	A	
		17R33	1.8	060	S	FF	1304900	A	
		18R15	18.4T	065	L	*	1303350	A	
NP30									
1304902									
		09N36	1.6	010	T	T	1304902	A	
		12N38	1.3	020	L	.	1054204	A	
		13N31	11.4	030	L	.	1304940	A	
		19Q03	5.2	040	C	C	1304902	A	
		19R03	7.0	050	C	C	1304902	A	
		05R03	.5	060	L	.	6803010	A	
		05R06	4.9	070	L	.	6802900	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		09R43	2.6	080	L	.	2089072	A	
		11R21	4.3	090	L	.	6825290	A	
		17R40	38.8T	095	S	NFF	1304902	A	
1304904-1	17R36	.0T	005	S	+		1304904	A	I
1304914-1	17R30	.0T	005	S	+		1304915	A	I
P30-1									
1304940	13N47	.7	010	S	I		1304940	A	
	12N46	13.7	020	L	.		1044202	A	
	05Q42	3.0	030	L	.		1306506	A	
	08Q25	12.9	040	L	.		1300314	A	
	15N36	6.0	050	L	.		1303701	A	
	26N33	.6	060	L	.		1310150	A	
	26N38	3.5	070	L	.		1270150	A	
	28P02	40.4T	075	T	T		1304940	A	
PR30									
1305500	05Q02	15.7	010	S	B		1305500	A	
	16N09	15.7T	015	L	.		4500452	A	
R30									
1306200	23M19	2.1	010	S	FF		1306200	A	
	23M47	.3	020	L	.		1286208	A	
	24M46	5.2	030	C	C		1306200	A	
	24N46	5.6	040	C	C		1306200	A	
	15N29	5.4	050	L	.		1303700	A	
	06N18	13.6	060	L	.		7300902	A	
	13Q11	2.1	070	L	.		1300122	A	
	17Q09	34.3T	075	T	T		1306200	A	
NR30									
1306202	23M21	.8	010	S	NFF		1306202	A	
	23M28	4.5	020	L	.		1286209	A	
	14M28	5.2	030	C	C		1306202	A	
	14N28	9.6	040	C	C		1306202	A	
	13Q13	9.1	050	L	.		1300122	A	
	31Q15	14.5	060	C	C		1306202	A	
	02F15	10.7	070	C	C		1306202	A	
	21F31	9.3	080	L	.		7471030	F	
	31E40	.3	090	L	.		1306215	A	
	30E41	64.0T	095	T	T		1306202	A	
1306204-1	23M20	.0T	005	S	+		1306206	A	I
1306210-1	23M17	.0T	005	S	+		1306211	A	I
R30-1									
1306215	31E34	6.7	010	S	I		1306215	A	
	27F31	11.5	020	L	.		3078530	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	14E36	7.3	030	L	.		3107044	A	
	08F27	13.6	040	L	.		5779102	A	
	11005	5.2	050	C	C		1306215	A	
	11C05	14.4	060	C	C		1306215	A	
	25A42	.5	070	L	.		8065252	A	
	26A42	59.2T	075	T	T		1306215	A	
RR30 1306300	01T04	.5	010	S	-HSM		1306302	A	
	02T04	.5	020	S	-HSM		1306304	A	
	03T04	.5	030	S	-HSM		1306306	A	
	04T04	.5	040	S	-HSM		1306308	A	
	05T04	.5	050	S	-HSM		1306310	A	
	06T04	.5	060	S	-HSM		1306312	A	
	07T04	.5	070	S	-HSM		1306314	A	
	08T04	.5	080	S	-HSM		1306316	A	
	09T04	.5	090	S	-HSM		1306318	A	
	10T04	.5	100	S	-HSM		1306320	A	
	11T04	.5	110	S	-HSM		1306322	A	
	12T04	3.2	120	S	-HSM		1306324	A	
	13T40	13.1	130	S	-BCR		1306300	A	
	10R23	5.2	140	C	C		1306300	A	
	10Q23	2.4	150	C	C		1306300	A	
	15Q24	5.8	160	L	.		1300116	A	
	05Q39	13.8	170	L	.		1300502	A	
	09N18	49.0T	175	T	T		1306300	A	
1306330-1	13S44	5.0	010	S	B		1306330	A	
	13T39	5.0T	015	L	*		1306330	A	
RW30 1306340	06R33	9.8	010	T	T		1306340	B	
	05T17	.5	020	L	.		1302600	A	
	06T17	.5	030	L	.		1302602	A	
	07T17	.5	040	L	.		1302604	A	
	08T17	.5	050	L	.		1302606	A	
	09T17	.5	060	L	.		1306220	A	
	10T17	.5	070	L	.		1306222	A	
	11T17	.5	080	L	.		1306224	A	
	12T17	4.3	090	L	.		1306226	A	
	10S44	17.6T	095	S	B		1306340	A	
S30 1306500	23M08	.5	010	L	.		1306204	A	
	24M08	5.2	020	C	C		1306500	A	
	24N08	20.5	030	C	C		1306500	A	
	05Q19	2.0	040	S	B		1306502	A	
	09Q19	4.8	050	L	.		1300312	A	
	10P28	1.6	060	L	.		1306531	A	
	12P36	.5	070	L	.		4460104	A	
	12P41	4.3	080	L	.		4375104	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		16Q04	1.6	090	L	.	1290112	A	
		18Q11	5.1	100	L	.	1306560	A	
		23P42	4.2	110	L	.	1302100	A	
		23Q28	.5	120	L	.	1301513	A	
		24Q28	5.2	130	C	C	1306500	A	
		24R28	3.0	140	C	C	1306500	A	
		21R08	.4	150	L	.	1304150	A	
		21R14	4.4	160	L	.	1301400	A	
		17R46	6.9	170	L	.	1304904	A	
		13S42	1.5	180	L	.	1306330	A	
		10S42	.5	190	L	.	1306340	A	
		11S42	72.7T	195	T	T	1306500	A	
S30/1									
1306530	10P36	9.9	010	S	B		1306530	A	
	18N31	5.2	020	C	C		1306530	A	
	18M31	8.2	030	C	C		1306530	A	
	21L08	1.5	040	L	.		1000312	A	
	24L08	24.8T	045	T	T		1306530	A	
TR30									
1306600	25A04	24.1	010	S	FF		1306600	A	
	01C29	31.2	020	C	C		1306600	A	
	32Q29	10.7	030	C	C		1306600	A	
	13Q14	5.1	040	L	.		1300124	A	
	19Q41	5.2	050	C	C		1306600	A	
	19R41	1.1	060	C	C		1306600	A	
	17R39	2.5	070	L	.		1304908	A	
	20R22	79.9T	075	T	T		1306600	A	
NTR30									
1306601	25A05	.0T	005	S	NFF		1306601	A	I
1306602-1	25A03	.0T	005	S	+		1306604	A	I
(S/TR30)									
1306625	13C19	15.8	010	S	I		1306625	A	
	25A24	.5	020	L	.		1306602	A	
	26A24	16.3T	025	T	T		1306625	A	
N(S/TR30)									
1306630	17C23	2.8	010	S	I		1306630	A	
	20C05	3.6	020	S	I		1306634	A	
	13C03	2.0	030	L	.		1306625	A	
	09C03	8.4T	035	T	T		1306630	A	
A31									
1310100	30M12	3.0	010	T	T		1310100	A	
	29L47	4.2	020	L	.		1006484	A	
	29M33	5.2	030	C	C		1310100	A	
	29N33	11.3	040	C	C		1310100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	16P27	10.8	050	L	.		1230110	A	
	05Q24	5.3	060	L	.		1310136	A	
	15Q27	2.0	070	S	FF		1310100	A	
	19Q27	5.2	080	C	C		1310100	A	
	19R27	6.5	090	C	C		1310100	A	
	17S31	53.5T	095	L	.		1324906	A	
NA31									
1310104	15Q22	.0T	005	S	NFF		1310104	A	I
1310110-1	13Q03	3.4	010	S	+		1310124	A	
	15Q35	2.4	020	S	+		1310118	A	
	16Q06	5.8T	025	S	+		1310110	A	
A31EN/1									
1310140	26P23	11.7	010	S	B		1310140	A	
	16Q43	.5	020	L	.		1310112	A	
	17Q43	12.2T	025	T	T		1310140	A	
A31L									
1310150	26N30	14.8	010	S	B		1310150	A	
	15Q14	7.1	020	L	.		1310120	A	
	22P39	21.9T	025	T	T		1310150	A	
B31									
1310300	05Q47	4.4	010	L	.		1316504	A	
	08Q04	2.9	020	S	FF		1310300	A	
	09Q36	13.2	030	L	.		2500100	A	
	07N11	6.9	040	L	.		3699100	A	
	20N18	3.0	050	L	.		7900080	A	
	23N38	6.5	060	L	.		2503110	A	
	17P19	9.8	070	L	.		1002776	A	
	28Q08	10.0	080	L	.		1471512	A	
	30N31	.6	090	L	.		4820400	A	
	30N23	.5	100	L	.		1310336	A	
	29N23	5.2	110	C	C		1310300	A	
	29M23	3.8	120	C	C		1310300	A	
	29L44	6.0	130	L	.		1006484	A	
	29K37	9.2	140	L	.		4100140	A	
	30M13	82.0T	145	T	T		1310300	A	
NB31									
1310304	20N29	2.5	010	L	.		7900082	A	
	23N44	5.9	020	L	.		2503112	A	
	21P40	5.7	030	L	.		3060240	A	
	20Q43	8.8	040	L	.		4845000	A	
	08Q05	22.9T	045	S	NFF		1310304	A	
1310310-1	08Q03	.6	010	S	+		1310316	A	
	09Q06	.6T	015	S	+		1310310	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	B 15		21	28	33	37	41	77	
B31-1									
1310336	30N25	12.2	010	S	B		1310336	A	
	32Q35	31.2	020	C	C		1310336	A	
	01C35	21.1	030	C	C		1310336	A	
	21A27	12.8	040	L	.		4100130	A	
	24C40	.8	050	L	.		4421212	A	
	23C36	5.2	060	C	C		1310336	A	
	23D36	8.9	070	C	C		1310336	A	
	23F13	6.8	080	L	.		2240104	A	
	19E19	99.0T	085	T	T		1310336	A	
B31EN/1									
1310340	21N46	16.0	010	S	B		1310340	A	
	09Q43	16.0T	015	L	.		1310310	A	
C31									
1310500	05Q05	.6	010	S	FB		1310500	A	
	06Q03	.6T	015	T	T		1310500	A	
D31									
1311300	05Q28	15.6	010	S	FF		1311300	A	
	14N20	5.2	020	C	C		1311300	A	
	14M20	1.3	030	C	C		1311300	A	
	13M07	22.1T	035	L	.		1071350	A	
DAT31									
1311400	21R21	6.2	010	S	B		1311400	A	
	26S02	6.2T	015	L	*		1311430	A	
D1031									
1311500	26Q10	.6	010	S	-BCR		1311500	A	
	25Q08	.6T	015	L	.		1311512	A	
D1031/1									
1311510	15Q45	7.6	010	L	.		1310116	A	
	25Q06	.8	020	S	FF		1311510	A	
	26Q09	8.4T	025	L	*		1311520	A	
ND1031/1									
1311511	25Q07	.0T	005	S	NFF		1311511	A	I
FP31									
1312100	32L34	.5	010	C	C		1312100	A	
	31L34	12.5	020	T	T		1312100	A	
	14M18	5.2	030	C	C		1312100	A	
	14N18	13.4	040	C	C		1312100	A	
	09Q27	4.7	050	L	.		1310316	A	
	18Q20	6.1	060	L	.		1316560	A	
	23P45	42.4T	065	S	I		1312100	A	
G31									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1312500	05Q04	15.8	010	S	B		1312500	A	
	16N06	15.8T	015	L	.		4500452	A	
K31									
1312751	16N08	.7	010	L	.		1282752	A	
	15N03	.6	020	L	.		1152753	A	
	15N08	9.0	030	L	.		1192752	A	
	08P12	8.7	040	S	NFF		1312751	A	
	05Q38	19.0T	045	L	.		1316500	A	
1312752-1	08P11	.0T	005	S	+		1312752	A	I
N(S/K31)									
1312770	10E07	6.3	010	S	B		1312770	A	
	17E45	3.7	020	S	I		1312774	A	
	16F14	16.3	030	S	B		1312772	A	
	01D36	15.5	040	C	C		1312770	A	
	32N36	15.2	050	C	C		1312770	A	
	08P13	3.2	060	L	.		1312752	A	
	13P03	60.2T	065	T	T		1312770	A	
N(S/K31/1)									
1312780	20N35	.3	010	S	I		1312780	A	
	20N36	10.0	020	S	I		1312782	A	
	08P20	5.1	030	L	.		1312752	A	
	09N28	15.4T	035	T	T		1312780	A	
(S/K31/2)									
1312790	18E04	11.3	010	S	I		1312778	A	
	01D35	15.5	020	C	C		1312778	A	
	32N35	6.9	030	C	C		1312778	A	
	20N44	1.1	040	L	.		1312782	A	
	19N36	34.8T	045	T	T		1312778	A	
(S/K31/3)									
1312795	30D12	1.7	010	S	I		1312796	A	
	30D33	14.8	020	S	I		1312795	A	
	01D34	15.5	030	C	C		1312795	A	
	32N34	5.9	040	C	C		1312795	A	
	20N37	.4	050	L	.		1312782	A	
	20N43	1.1	060	L	.		1312780	A	
	19N35	39.4T	065	T	T		1312795	A	
KS31									
1313050	18Q42	2.4	010	S	-NS		1313050	A	
	16Q21	2.4T	015	L	.		1310110	A	
KSP31									
1313100	04R43	2.8	010	S	-NS		1313100	A	
	09R47	3.7	020	L	.		2089070	A	
	12S07	4.2	030	L	.		1313110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
I 8	15		21	28	33	37	41	77	
	17R50	10.7T	035	L	.		1314904	A	
NKSP31 1313110	12S03 09R33	4.5 4.5T	010 015	S L	I .		1313110 2089070	A A	
LR31-0 1313700	06R08 05S30 06S30 07S30 08S30 13S09 09T30 10T30 11T30 12T30 19R34 19Q34 26P30 26N03	7.4 .5 .5 .5 4.3 9.1 .5 .5 .5 13.7 5.2 9.0 7.5 59.2T	010 020 030 040 050 060 070 080 090 100 110 120 130 135	T L L L L L L L L L C C S L	T C C B .		1313700 7394050 7394150 7394250 7394350 1313715 7394070 7394170 7394270 7394370 1313700 1313700 1313700 1313710	B A A A A A A A A A A A A A A	
LR31-1 1313710	09K40 09K30 10K30 11K30 12K30 16K30 17K30 18K30 19K30 24M05 24N05 26N05	.7 .5 .5 .5 2.0 .5 .5 .5 11.2 5.2 1.0 23.1T	010 020 030 040 050 060 070 080 090 100 110 115	T L L L L L L L L C C S	T C C B		1313710 7394010 7394110 7394210 7394310 7394330 7394230 7394130 7394030 1313710 1313710 1313710	A A A A A A A A A A A A	
LR31-2 1313715	13S10 09S12	2.1 2.1T	010 015	S L	B .		1313715 1313750	A A	
NLR31F 1313720	11P06	.0T	005	S	FF		1313720	A	I
LR31F 1313721	11P07 26P43	10.2 10.2T	010 015	S L	NFF .		1313721 1313702	A A	
N(S/LR31) 1313730	10A01 13B22 14B25	8.2 .8 7.4	010 020 030	S S S	I I I		1313728 1313732 1313740	A A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	13C47	16.3	040	S	I		1313746	A	
	02A44	14.5	050	C	C		1313728	A	
	31K44	21.4	060	C	C		1313728	A	
	10M50	5.2	070	C	C		1313728	A	
	10N50	3.5	080	C	C		1313728	A	
	11P19	2.3	090	L	.		1313722	A	
	13P01	79.6T	095	T	T		1313728	A	
N(S/LR31/1)									
1313760	11A45	3.1	010	S	I		1313760	A	
	10A12	3.0	020	S	I		1313766	A	
	11A46	.1	030	S	I		1313764	A	
	11A44	5.1	040	S	I		1313762	A	
	07B19	.5	050	L	.		1313780	A	
	06B19	11.8T	055	T	T		1313760	A	
(S/LR31/12)									
1313780	07B14	5.8	010	S	I		1313780	A	
	14B43	1.0	020	L	.		1313742	A	
	16B43	6.8T	025	T	T		1313780	A	
MB31									
1314100	18R10	.5	010	S	-BCR		1314100	A	
	19R10	5.2	020	C	C		1314100	A	
	19Q10	8.5	030	C	C		1314100	A	
	05Q30	14.2T	035	L	.		1310502	A	
1314150-1	21R03	1.9	010	S	B		1314150	A	
	18R09	1.9T	015	L	*		1314150	A	
P31									
1314900	04R28	2.2	010	L	.		1314990	A	
	05R09	2.6	020	L	.		6803010	A	
	09R17	1.4	030	L	.		2089070	A	
	11R08	4.4	040	L	.		6942290	A	
	17R25	.9	050	S	FF		1314900	A	
	18R19	11.5T	055	L	*		1313350	A	
NP31									
1314902	07N09	1.0	010	L	.		4425100	A	
	09N09	3.4	020	T	T		1314902	A	
	13N30	10.3	030	L	.		1314940	A	
	10Q11	5.2	040	C	C		1314902	A	
	10R11	2.8	050	C	C		1314902	A	
	05R07	.3	060	L	.		6802900	A	
	05R08	3.3	070	L	.		6803000	A	
	09R26	1.4	080	L	.		2089070	A	
	11R20	3.4	090	L	.		6825290	A	
	17R26	31.1T	095	S	NFF		1314902	A	
1314904-1	17R31	4.2	010	S	+		1314904	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	17S17	4.2T	015	S	+		1314910	A	
1314914-1	17R24	.0T	005	S	+		1314915	A	I
(S/P31/1)									
1314930	18F19	5.1	010	S	I		1314932	A	
	12F44	5.9	020	S	B		1314930	A	
	03F23	25.0	030	C	C		1314930	A	
	32S23	8.0	040	C	C		1314930	A	
	17S18	1.3	050	L	.		1314910	A	
	19S21	45.3T	055	T	T		1314930	A	
P31-1									
1314940	09K44	4.1	010	T	T		1314940	A	
	04K21	13.7	020	L	.		1070150	A	
	18L41	7.9	030	L	.		6802850	A	
	24M37	5.2	040	C	C		1314940	A	
	24N37	.9	050	C	C		1314940	A	
	26N34	.2	060	L	.		1310150	A	
	26N35	6.1	070	L	.		1290150	A	
	26P47	9.7	080	L	.		1313701	A	
	12Q13	3.1	090	L	.		4375132	A	
	08Q24	3.0	100	L	.		1310314	A	
	05Q44	14.1	110	L	.		1316506	A	
	12N42	.8	120	L	.		1054202	A	
	13N46	68.8T	125	S	I		1314940	A	
PR31									
1315500	05Q01	15.5	010	S	B		1315500	A	
	16N07	15.5T	015	L	.		1282752	A	
R31									
1316200	23M05	3.0	010	S	FF		1316200	A	
	23M45	6.3	020	L	.		1286208	A	
	16M07	3.8	030	L	.		1316218	A	
	14M45	5.2	040	C	C		1316200	A	
	14N45	6.7	050	C	C		1316200	A	
	06N10	13.9	060	L	.		7300902	A	
	13Q07	8.5	070	L	.		1310122	A	
	26P46	3.7	080	L	.		1313700	A	
	28P10	51.1T	085	T	T		1316200	A	
NR31									
1316202	23M22	.5	010	S	NFF		1316202	A	
	23M27	4.6	020	L	.		1286209	A	
	14M29	5.2	030	C	C		1316202	A	
	14N29	9.5	040	C	C		1316202	A	
	13Q06	11.3	050	L	.		1310122	A	
	31Q35	14.5	060	C	C		1316202	A	
	02F35	8.4	070	C	C		1316202	A	
	05E13	6.3	080	L	.		3905406	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	08F07	10.3	090	L	.	.	5779302	A	
	13D43	12.5	100	L	.	.	6942322	A	
	21F17	.5	110	L	.	.	7471030	F	
	21F20	4.4	120	L	.	.	5150552	A	
	28F08	11.4	130	L	.	.	1080162	A	
	27D01	5.2	140	C	C	.	1316202	A	
	27C01	7.3	150	C	C	.	1316202	A	
	19B28	3.0	160	L	.	.	6196408	A	
	15B42	3.9	170	L	.	.	2405400	A	
	12C04	3.6	180	L	.	.	1231360	A	
	05C09	4.9	190	L	.	.	1316215	A	
	07B27	2.5	200	L	.	.	4421205	A	
	06B50	129.8T	205	T	T	.	1316202	A	
1316204-1	23M12	.0T	005	S	+	.	1316204	A	I
1316210-1	23M03	.0T	005	S	+	.	1316211	A	I
R31-1									
1316215	05C10	6.7	010	S	I	.	1316215	A	
	07B07	4.6	020	L	.	.	4321030	A	
	12B35	7.0	030	L	.	.	7430142	A	
	25B24	4.7	040	L	.	.	2841965	A	
	25A35	13.4	050	L	.	.	8065302	A	
	21C47	6.1	060	L	.	.	2842078	A	
	27C02	5.2	070	C	C	.	1316215	A	
	27D02	9.3	080	C	C	.	1316215	A	
	28E50	3.3	090	L	.	.	2844358	A	
	27F21	13.2	100	L	.	.	4334100	A	
	12E15	4.1	110	L	.	.	6942300	A	
	04E13	1.0	120	L	.	.	7901526	A	
	06E13	78.6T	125	T	T	.	1316215	A	
NR31-FP									
1316218	16M06	10.7	010	S	I	.	1316218	A	
	32L40	10.7T	015	C	C	.	1316218	A	
RR31									
1316300	01T01	.5	010	S	-HSM	.	1316302	A	
	02T01	.5	020	S	-HSM	.	1316304	A	
	03T01	.5	030	S	-HSM	.	1316306	A	
	04T01	.5	040	S	-HSM	.	1316308	A	
	05T01	.5	050	S	-HSM	.	1316310	A	
	06T01	.5	060	S	-HSM	.	1316312	A	
	07T01	.5	070	S	-HSM	.	1316314	A	
	08T01	.5	080	S	-HSM	.	1316316	A	
	09T01	.5	090	S	-HSM	.	1316318	A	
	10T01	.5	100	S	-HSM	.	1316320	A	
	11T01	.5	110	S	-HSM	.	1316322	A	
	12T01	3.4	120	S	-HSM	.	1316324	A	
	13T42	12.2	130	S	-BCR	.	1316300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		10R37	5.2	140	C	C	1316300	A	
		10Q37	2.3	150	C	C	1316300	A	
		15Q36	4.5	160	L	.	1310116	A	
		06Q36	.4	170	T	T	1316300	A	
		05Q35	33.5T	175	L	.	1310502	A	
1316330-1	13S45	5.2	010	S	B		1316330	A	
	13T45	5.2T	015	L	*		1316330	A	
RW31									
1316340	06R27	9.8	010	T	T		1316340	B	
	05T11	.5	020	L	.		1312600	A	
	06T11	.5	030	L	.		1312602	A	
	07T11	.5	040	L	.		1312604	A	
	08T11	.5	050	L	.		1312606	A	
	09T11	.5	060	L	.		1316220	A	
	10T11	.5	070	L	.		1316222	A	
	11T11	.5	080	L	.		1316224	A	
	12T11	3.7	090	L	.		1316226	A	
	10S45	17.0T	095	S	B		1316340	A	
S31									
1316500	23M14	.5	010	L	.		1316204	A	
	24M14	5.2	020	C	C		1316500	A	
	24N14	8.3	030	C	C		1316500	A	
	08N18	11.6	040	S	I		1316508	A	
	05Q17	2.3	050	S	I		1316500	A	
	09Q21	4.8	060	L	.		1310312	A	
	10P33	1.0	070	L	.		1316530	A	
	12P33	1.5	080	L	.		4385004	A	
	12P50	6.2	090	L	.		4375124	A	
	16Q36	2.0	100	L	.		1300112	A	
	18Q22	6.4	110	L	.		1316560	A	
	23P43	3.6	120	L	.		1312100	A	
	24P01	6.3	130	L	.		7503140	A	
	24Q15	5.2	140	C	C		1316500	A	
	24R15	2.1	150	C	C		1316500	A	
	21R07	.6	160	L	.		1314150	A	
	21R15	4.3	170	L	.		1311400	A	
	17R42	7.0	180	L	.		1314904	A	
	13S43	1.5	190	L	.		1316330	A	
	10S43	.5	200	L	.		1316340	A	
	11S43	80.9T	205	T	T		1316500	A	
S31/1									
1316530	10P24	8.8	010	S	B		1316530	A	
	18N33	5.2	020	C	C		1316530	A	
	18M33	8.7	030	C	C		1316530	A	
	21L07	1.5	040	L	.		1000310	A	
	24L07	24.2T	045	T	T		1316530	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
TR31									
1316600	25A14	23.7	010	S	FF		1316600	A	
	01C30	31.2	020	C	C		1316600	A	
	32Q30	11.2	030	C	C		1316600	A	
	13Q05	4.3	040	L	.		1310124	A	
	19Q24	5.2	050	C	C		1316600	A	
	19R24	2.0	060	C	C		1316600	A	
	17R38	3.0	070	L	.		1314908	A	
	20R21	80.6T	075	T	T		1316600	A	
NTR31									
1316601	25A12	.0T	005	S	NFF		1316601	A	I
1316602-1	25A11	.0T	005	S	+		1316604	A	I
(S/TR31)									
1316625	13C41	19.1	010	S	I		1316625	A	
	26A13	.5	020	T	T		1316625	A	
	25A13	19.6T	025	L	.		1316602	A	
N(S/TR31)									
1316630	19B15	5.9	010	S	I		1316630	A	
	20C17	1.8	020	S	I		1316636	A	
	17C14	3.8	030	S	I		1316632	A	
	13C38	2.0	040	L	.		1316625	A	
	09C38	13.5T	045	T	T		1316630	A	
D1032/1									
1321510	27Q27	1.8	010	S	FF		1321510	A	
	29Q12	1.8T	015	L	*		1321520	A	
ND1032/1									
1321511	27Q28	.0T	005	S	NFF		1321511	A	I
1321512-1	27Q50	.0T	005	S	+		1321512	A	I
P32									
1324900	22M47	1.6	010	T	T		1324900	A	
	25M42	1.9	020	L	.		1086506	A	
	24M21	5.2	030	C	C		1324900	A	
	24N21	3.0	040	C	C		1324900	A	
	30N21	7.7	050	L	.		1324919	A	
	26P27	5.6	060	L	.		1310142	A	
	24Q19	5.2	070	C	C		1324900	A	
	24R19	3.5	080	C	C		1324900	A	
	17R19	8.0	090	S	FF		1324900	A	
	12S23	41.7T	095	L	.		6803240	A	
NP32									
1324901	17R21	13.0	010	S	NFF		1324901	A	
	16T44	13.0T	015	L	.		6803260	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1324902-1	17R20	6.6	010	S	+		1324904	A	
	17S37	.7	020	S	+		1324902	A	
	17S47	7.3T	025	S	+		1324908	A	
1324914-1	17R17	.0T	005	S	+		1324917	A	I
P32-1									
1324919	30N28	12.4	010	S	B		1324919	A	
	32Q40	31.2	020	C	C		1324919	A	
	01C40	23.2	030	C	C		1324919	A	
	27A44	12.2	040	L	.		2560003	A	
	31C40	5.2	050	C	C		1324919	A	
	31D40	2.7	060	C	C		1324919	A	
	32D10	2.2	070	L	.		6803205	A	
	32D40	15.1	080	L	.		6803210	A	
	20F22	.6	090	L	.		4320600	A	
	20F29	2.2	100	L	.		4321230	A	
	18F45	.1	110	L	.		6038072	A	
	18F43	5.6	120	L	.		6038222	A	
	13F01	3.0	130	L	.		6806240	A	
	11F24	4.6	140	L	.		3901410	A	
	04F43	14.8	150	L	.		1324920	A	
	19E12	135.1T	155	T	T		1324919	A	
NP32-1									
1324920	26A41	.4	010	T	T		1324920	A	
	27A42	11.3	020	L	.		2560005	A	
	31C25	5.2	030	C	C		1324920	A	
	31D25	16.7	040	C	C		1324920	A	
	21F38	5.1	050	L	.		6803216	A	
	27F10	7.0	060	L	.		6803212	A	
	18F47	.2	070	L	.		6038422	A	
	18F46	6.9	080	L	.		6038622	A	
	04F45	52.8T	085	S	I		1324920	A	
DI033/1									
1331510	27Q31	2.2	010	S	FF		1331510	A	
	29Q15	2.2T	015	L	*		1331520	A	
NDI033/1									
1331511	27Q26	.0T	005	S	NFF		1331511	A	I
1331512-1	27Q46	.0T	005	S	+		1331512	A	I
P33									
1334900	22M39	1.7	010	T	T		1334900	A	
	25M44	5.6	020	L	.		1096506	A	
	14M46	5.2	030	C	C		1334900	A	
	14N46	11.1	040	C	C		1334900	A	
	30N04	8.7	050	L	.		1334919	A	
	26P24	4.9	060	L	.		1310143	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		24Q06	5.2	070	C	C	1334900	A	
		24R06	3.4	080	C	C	1334900	A	
		17R05	9.3	090	S	FF	1334900	A	
		12S22	55.1T	095	L	.	6803240	A	
NP33									
1334901	17R22	11.8	010	S	NFF	.	1334901	A	
	16T37	11.8T	015	L	.	.	6803260	A	
1334902-1	17R12	6.9	010	S	+	.	1334908	A	
	17S34	.7	020	S	+	.	1334906	A	
	17S44	7.6T	025	S	+	.	1334902	A	
1334914-1	17R03	8.1	010	S	+	.	1334916	A	
	17S41	8.1T	015	S	+	.	1334914	A	
P33-1									
1334919	30N18	13.3	010	S	B	.	1334919	A	
	32Q41	31.2	020	C	C	.	1334919	A	
	01C41	23.7	030	C	C	.	1334919	A	
	27A34	10.9	040	L	.	.	2560053	A	
	31C11	5.2	050	C	C	.	1334919	A	
	31D11	.5	060	C	C	.	1334919	A	
	32D11	13.0	070	L	.	.	6803205	A	
	27F11	5.0	080	L	.	.	6803212	A	
	20F28	4.3	090	L	.	.	4320600	A	
	14F09	7.7	100	L	.	.	6809190	A	
	04F42	4.8	110	L	.	.	1334920	A	
	10F21	119.6T	115	T	T	.	1334919	A	
NP33-1									
1334920	26A37	.5	010	T	T	.	1334920	A	
	27A37	11.7	020	L	.	.	2560055	A	
	31C27	5.2	030	C	C	.	1334920	A	
	31D27	16.7	040	C	C	.	1334920	A	
	21F43	16.1	050	L	.	.	6803216	A	
	32D41	25.0	060	L	.	.	6803210	A	
	04F44	75.2T	065	S	I	.	1334920	A	
DI034/1									
1341510	27Q30	3.4	010	S	FF	.	1341510	A	
	29Q01	3.4T	015	L	*	.	1341520	A	
NDI034/1									
1341511	27Q29	.0T	005	S	NFF	.	1341511	A	I
1341512-1	27Q41	.0T	005	S	+	.	1341512	A	I
DI035/1									
1351510	27Q33	3.0	010	S	FF	.	1351510	A	
	29Q02	3.0T	015	L	*	.	1351520	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
PROG-PNFRM LINE NO. - 1351511
TYPE-PINLIST

164
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NDI035/1 1351511	27Q34	.0T	005	S	NFF		1351511	A	I
1351512-1	27Q39	.0T	005	S	+		1351512	A	I
DI036/1 1361510	27Q02	1.2	010	S	FF		1361510	A	
	29Q03	1.2T	015	L	*		1361520	A	
NDI036/1 1361511	27Q21	.0T	005	S	NFF		1361511	A	I
1361512-1	27Q18	.0T	005	S	+		1361512	A	I
DI037/1 1371510	27Q04	1.6	010	S	FF		1371510	A	
	26Q23	1.6T	015	L	*		1371520	A	
NDI037/1 1371511	27Q05	.0T	005	S	NFF		1371511	A	I
1371512-1	27Q03	.0T	005	S	+		1371512	A	I
DI038/1 1381510	27Q14	1.0	010	S	FF		1381510	A	
	26Q25	1.0T	015	L	*		1381520	A	
NDI038/1 1381511	27Q12	.0T	005	S	NFF		1381511	A	I
1381512-1	27Q11	.0T	005	S	+		1381512	A	I
DI039/1 1391510	27Q06	2.2	010	S	FF		1391510	A	
	26Q33	2.2T	015	L	*		1391520	A	
NDI039/1 1391511	27Q07	.0T	005	S	NFF		1391511	A	I
DI040/1 1401510	28Q27	1.1	010	S	FF		1401510	A	
	29Q19	1.1T	015	L	*		1401520	A	
NDI040/1 1401511	28Q28	.0T	005	S	NFF		1401511	A	I
1401512-1	28Q50	.0T	005	S	+		1401512	A	I
DI041/1 1411510	28Q31	1.1	010	S	FF		1411510	A	
	29Q23	1.1T	015	L	*		1411520	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
2000535	14F06	7.0	010	S	B		2000535	A	
	03F26	25.0	020	C	C		2000535	A	
	32S26	10.6	030	C	C		2000535	A	
	17T01	8.1	040	L	.		2180506	A	
	27S26	50.7T	045	T	T		2000535	A	
256KC									
2000550	01K44	14.5	005	S	FF		2000550	A	
	27K24	14.5T	010	L	.		8162000	Z	
N256KC									
2000551	01K45	.0T	005	S	NFF		2000551	A	I
2KC									
2000560	02K18	1.0	010	S	FF		2000560	A	
	03K15	.1	020	L	*		3281030	A	
	03K13	.4	030	L	*		3282030	A	
	03K07	1.5T	035	L	*		3283030	A	
2MC									
2000570	01K35	15.7	010	S	-COS		2000570	A	
	31K22	14.5	020	C	C		2000570	A	
	02A22	11.5	030	C	C		2000570	A	
	07C01	5.2	040	C	C		2000570	A	
	07D01	15.6	050	C	C		2000570	A	
	11F43	3.8	060	L	.		2000520	A	
	14F08	4.2	070	L	.		2000535	A	
	19F29	3.3	080	L	.		4392610	A	
	26F28	73.8T	085	T	T		2000570	A	
32KC									
2000600	01K05	.0T	005	S	FF		2000600	A	I
N32KC									
2000601	01K04	.0T	005	S	NFF		2000601	A	I
4KC									
2000650	02K41	.0T	005	S	FF		2000650	A	I
500CPS									
2000660	02K02	.2	010	S	FF		2000660	A	
	02K03	1.6	020	L	.		3284020	A	
	03K20	.3	030	L	*		3283040	A	
	03K23	.5	040	L	*		3281040	A	
	03K26	2.6T	045	L	*		3282040	A	
512KC									
2000700	01K40	.0T	005	S	FF		2000700	A	I
N512KC									
2000701	01K42	.0T	005	S	NFF		2000701	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
64KC 2000750	01K46 27K22	14.8 14.8T	005 010	S L	FF .		2000750 8162000	A Z	
N64KC 2000751	01K30	.0T	005	S	NFF		2000751	A	I
8KC 2000800	02K42 03K08 03K04 03K01	3.0 .3 .5 3.8T	010 020 030 035	S L L L	FF * * *		2000800 3281020 3282020 3283020	A A A A	
(A1.ND6) 2001400	24K44 24K45 26K02 28K01	.2 3.9 1.3 5.4T	010 020 030 035	S S L T	B B . T		2001400 2001402 1040352 2001400	A A A A	
(A16-K16) 2001600	16P40 32Q14 01C14 26B44 31C42 31D42 28D37 29E05 19E11	11.3 31.2 15.5 7.6 5.2 1.7 3.3 5.4 81.2T	010 020 030 040 050 060 070 080 085	S C C L C C L L T	I C C . C C . . T		2001600 2001600 2001600 2841174 2001600 2001600 7890230 7890442 2001600	A A A A A A A A A	
N(A16-K16) 2001650	17P03 19P01 16P50 30P38	1.1 5.4 7.9 14.4T	010 020 030 035	S S L L	B I . .		2001650 2001652 2001600 7501600	A A A A	
(A16.GXNAD+NA16.PRXNAD) 2001680	06N14 17P11 19P10 13P41	10.6 .8 5.0 16.4T	010 020 030 035	S L L T	B . . T		2001680 2001650 2001652 2001680	A A A A	
(A3.D4.D5) 2001690	27K14 26K24 26K01 28K44	1.2 2.0 4.1 7.3T	010 020 030 035	S L L T	B . . T		2001690 1040350 1040352 2001690	A A A A	
NAXS/2 2010100	06D25 24D25	9.0 14.4	010 020	S L	I .		2010100 2490100	A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		03E04	25.0	030	C	C	2010100	A	
		32M04	12.5	040	C	C	2010100	A	
		27K09	.8	050	L	.	2405535	A	
		28K05	61.7T	055	T	T	2010100	A	
A31XP32 2013100		20F15	13.5	010	S	B	2013100	A	
		02E26	14.5	020	C	C	2013100	A	
		31P26	2.5	030	C	C	2013100	A	
		26P26	1.0	040	L	.	1310142	A	
		28P26	31.5T	045	T	T	2013100	A	
A31XP33 2013150		20F02	3.3	010	S	B	2013150	A	
		20F46	15.5	020	S	B	2013152	A	
		02E27	14.5	030	C	C	2013150	A	
		31P27	2.8	040	C	C	2013150	A	
		26P28	1.0	050	L	.	1310143	A	
		28P28	37.1T	055	T	T	2013150	A	
(S/A9) 2020000		28F35	25.4	010	S	I	2020000	A	
		03D03	5.2	020	C	C	2020000	A	
		03C03	8.3	030	C	C	2020000	A	
		02A39	14.5	040	C	C	2020000	A	
		31K39	22.7	050	C	C	2020000	A	
		03M15	6.9	060	L	.	1090120	A	
		01L08	83.0T	065	T	T	2020000	A	
N(S/A9) 2020010		08F02	13.3	010	S	I	2020012	A	
		28F46	.8	020	S	I	2020010	A	
		28F39	1.0	030	L	.	2020000	A	
		26F39	15.1T	035	T	T	2020010	A	
2045010-1		16S06	1.5	010	S	B	2045010	A	
		15S23	1.5T	015	L	*	2045010	A	
ABO 2054900		11R02	16.9	010	S	B	2054900	A	
		32S18	25.0	020	C	C	2054900	A	
		03F18	15.9	030	C	C	2054900	A	
		17D43	8.0	040	L	.	5154074	A	
		27D03	5.2	050	C	C	2054900	A	
		27C03	6.5	060	C	C	2054900	A	
		20C43	16.8	070	L	.	8065425	A	
		27A05	9.0	080	L	.	8065306	A	
		12A22	103.3T	085	T	T	2054900	A	
(S/ABO/1) 2054910		31F18	.6	003	S	I	2054950	D	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		31F25	2.0	005	S	I	2054940	C	
		32F45	.2	010	S	I	2054920	A	
		32F44	13.5	020	S	I	2054930	A	
		17E34	11.3	030	S	I	2054910	U	
		03F22	25.0	040	C	C	2054910	A	
		32S22	12.8	050	C	C	2054910	A	
		15T10	6.9	060	L	.	2055000	A	
		11S14	72.3T	065	T	T	2054910	A	
ABO/1									
2055000	06R03	2.5	010	T	T		2055000	A	
	11R03	8.0	020	L	.		2054900	A	
	16S08	5.7	030	L	.		2045010	A	
	15T08	.6	040	L	.		2055000	A	
	15T03	1.3	045	S	FB		2055000	A	
	14T10	18.1T	050	S	I		2055010	C	
ABO/2									
2055050	23N34	3.4	010	S	I		2055052	A	
	21N02	11.7	020	S	B		2055050	A	
	19Q09	5.2	030	C	C		2055050	A	
	19R09	4.0	040	C	C		2055050	A	
	11R09	7.6	050	L	.		2054900	A	
	16S07	2.8	060	L	.		2045010	A	
	11S08	34.7T	065	T	T		2055050	A	
ABOT									
2055100	24T30	5.8	010	S	-BDS		2055100	A	
	15T11	4.5	020	L	.		2055000	A	
	11S47	10.3T	025	T	T		2055100	A	
ACCL/1									
2062820	23T01	2.4	010	S	-IDS		2062822	A	
	23T30	6.5	020	S	-BDS		2062820	A	
	27S43	6.3	025	L	T		2062820	J	
	25T40	1.0	030	L	.		3201000	A	
	27T40	1.0	040	L	.		3201006	A	
	29T40	1.0	050	L	.		3201012	A	
	31T40	.5	060	L	.		3241000	A	
	32T40	12.5	070	L	.		3241005	A	
	20S21	3.4	080	L	.		2062830	A	
	20R45	34.6T	085	T	T		2062820	A	
NACCL/1									
2062830	20S28	1.5	010	S	I		2062830	A	
	22S25	1.2	020	L	.		3846020	A	
	22S38	2.5	030	L	.		2089350	A	
	27S38	5.2T	035	T	T		2062830	A	
ACCLG									
2062850	22S47	1.5	010	S	FB		2062850	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		22S28	1.8	020	L	.	2062850	A	
		25S27	.3	024	L	.	7840080	G	
		25S28	.2	025	L	.	7840090	G	
		25S29	.1	026	L	.	7840100	G	
		25S31	9.0	027	L	.	7840110	G	
		19T35	1.8	030	L	.	3740102	A	
		22T34	14.7T	035	T	T	2062850	A	
ACCLG/1 2062856	19S30	1.5	010	T	T		2062856	A	
	22S30	5.4	020	L	.		2062850	A	
	19T12	3.0	030	L	.		3740100	A	
	24T17	.1	040	S	-BDS		2062856	A	
	24T19	10.0T	045	S	-IDS		2062858	A	
(R/ACCLG) 2062870	23T02	3.2	010	S	-IDS		2062870	A	
	22S36	1.9	020	L	.		2062850	A	
	21S15	2.8	030	L	.		3315134	A	
	19S36	7.9T	035	T	T		2062870	A	
ADB08 2080500	17N24	14.7	010	S	B		2080500	A	
	24Q34	5.2	020	C	C		2080500	A	
	24R34	1.2	030	C	C		2080500	A	
	26R35	.5	040	L	.		1022584	A	
	27R35	.5	050	L	.		1042584	A	
	28R35	.5	060	L	.		1062584	A	
	29R35	.5	070	L	.		1082584	A	
	30R35	.5	080	L	.		1102584	A	
	31R35	.5	090	L	.		1122584	A	
	32R35	24.1T	095	L	.		1142584	A	
ADC3 2081030	03L04	4.5	010	L	.		1000120	A	
	11L01	1.2	020	S	B		2081031	A	
	13L06	5.7T	025	S	B		2081030	A	
ADC7 2081070	01L04	1.5	010	T	T		2081070	A	
	04L04	4.1	020	L	.		1040120	A	
	11L11	7.4	030	L	.		2081031	A	
	14M22	5.2	040	C	C		2081070	A	
	14N22	1.5	050	C	C		2081070	A	
	17N22	19.7T	055	S	B		2081070	A	
ADMATCH 2089000	06R46	1.7	010	T	T		2089000	A	
	05R30	2.1	020	L	.		3567100	A	
	08R22	.2	030	S	I		2089010	A	
	08R23	.3	040	S	I		2089020	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	08R24	.2	050	S	I		2089000	A	
	08R25	.4	060	S	I		2089030	A	
	09R22	.2	070	S	I		2089050	A	
	09R23	.3	080	S	I		2089060	A	
	09R24	.2	090	S	I		2089040	A	
	09R25	5.6T	095	S	I		2089070	A	
ADNH									
2089200	28K04	.5	010	T	T		2089200	A	
	27K04	26.0	020	L	.		1110350	A	
	01M38	21.0	030	C	C		2089200	A	
	01R38	17.5	040	C	C		2089200	A	
	18T18	65.0T	045	S	FF		2089200	A	
NADNH									
2089201	18T19	5.5	010	S	NFF		2089201	A	
	21S35	5.8	020	L	.		6190200	A	
	32S39	25.0	030	C	C		2089201	A	
	03F39	7.4	040	C	C		2089201	A	
	17F45	1.7	050	L	.		8145000	A	
	17F24	1.6	060	L	.		8133502	A	
	16F07	7.9	070	L	.		5151100	A	
	31F01	2.5	080	L	.		2089360	A	
	26F01	57.4T	085	T	T		2089201	A	
(R/ADNH)									
2089208	04F06	3.7	010	S	I		2089208	A	
	02F42	14.5	020	C	C		2089208	A	
	31Q42	6.3	030	C	C		2089208	A	
	24Q04	5.2	040	C	C		2089208	A	
	24R04	14.2	050	C	C		2089208	A	
	18T17	9.2	060	L	.		2089204	A	
	11S11	53.1T	065	T	T		2089208	A	
ADNHCL									
2089300	24T04	6.4	010	S	-BDS		2089300	A	
	21S07	1.0	020	L	.		3840104	A	
	19S07	7.4T	025	T	T		2089300	A	
ADNHL									
2089350	22S45	.6	010	S	FB		2089350	A	
	22S37	2.9	020	L	.		2089350	A	
	21S06	7.6	030	L	.		3840104	A	
	18T21	3.0	040	L	.		2089202	A	
	22T36	14.1T	045	T	T		2089350	A	
ADNH-1									
2089360	26A18	7.5	010	T	T		2089360	A	
	32B08	12.7	020	L	.		2089400	A	
	17C11	1.0	030	L	.		8065435	A	
	19C11	5.2	040	C	C		2089360	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19D11	4.2	050	C	C		2089360	A	
	17D50	15.1	060	L	.		5154070	A	
	31F17	45.7T	065	S	I		2089360	A	
(ADNH. TRACC2INH)									
2089400	32B13	7.5	010	S	B		2089400	A	
	27A18	7.5T	015	L	.		8065206	A	
AEADB									
2100500	20Q36	2.4	010	S	B		2100500	A	
	24Q30	5.2	020	C	C		2100500	A	
	24R30	1.3	030	C	C		2100500	A	
	26R29	.5	040	L	.		1022662	A	
	27R29	.5	050	L	.		1042662	A	
	28R29	.5	060	L	.		1062662	A	
	29R29	.5	070	L	.		1082662	A	
	30R29	.5	080	L	.		1102662	A	
	31R29	.5	090	L	.		1122662	A	
	32R29	11.9T	095	L	.		1142662	A	
AEENLE									
2100800	20Q08	.4	010	S	B		2100800	A	
	19Q07	5.2	020	C	C		2100800	A	
	19R07	5.7	030	C	C		2100800	A	
	26R37	.5	040	L	.		1022582	A	
	27R37	.5	050	L	.		1042582	A	
	28R37	.5	060	L	.		1062582	A	
	29R37	.5	070	L	.		1082582	A	
	30R37	.5	080	L	.		1102582	A	
	31R37	.5	090	L	.		1122582	A	
	32R37	14.3T	095	L	.		1142582	A	
AH									
2162010	15S06	.9	010	S	-BCR		2162010	A	
	14S12	.9T	015	L	.		2162102	A	
(NAH. AHCL)									
2162100	19S25	2.5	010	T	T		2162100	A	
	22S40	3.9	020	L	.		2089350	A	
	24T07	9.9	030	S	-BDS		2162100	A	
	14S11	16.3T	035	S	I		2162102	A	
AIB									
2180500	17T06	5.3	010	S	FF		2180500	A	
	17S09	6.2	020	L	.		2182003	A	
	25S40	4.7	030	L	.		2180510	A	
	30S10	16.2T	035	L	.		2180515	A	
NAIB									
2180501	17T07	.3	010	S	NFF		2180501	A	
	17T08	.3T	015	L	.		2180502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
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1	8	15	21	28	33	37	41	77	
(AIB.LEVACT)									
2180510	17T47	16.2	010	L	.		2182022	A	
	23R11	1.7	020	L	.		4159520	A	
	23R30	4.6	030	L	.		1271400	A	
	24S13	.9	040	L	.		5114500	A	
	25S04	.2	050	L	.		5113300	A	
	25S05	3.3	060	L	.		5113900	A	
	25S46	26.9T	065	S	B		2180510	A	
(NAIB+NPXINT)									
2180515	30S01	5.4	010	S	I		2180515	A	
	24S33	1.5	020	L	.		4561000	A	
	27S33	6.9T	025	T	T		2180515	A	
(S/AIB)									
2180520	23R04	13.9	010	S	B		2180520	A	
	17T10	13.9T	015	L	.		2180502	A	
AIE1									
2182000	23R09	.7	010	L	.		4159520	A	
	23R19	.9	020	L	.		2342000	A	
	23R31	5.6	030	L	.		1261400	A	
	24S29	7.0	040	L	.		5120300	A	
	17T02	14.2T	045	S	FF		2182000	A	
NAIE1									
2182001	17T21	14.7	010	S	NFF		2182001	A	
	23R05	14.7T	015	L	.		2180520	A	
2182002-1									
	17S10	5.8	010	S	+		2182003	A	
	17T18	5.8T	015	S	+		2182002	A	
AIE2									
2182020	17T27	13.9	010	S	FF		2182020	A	
	23R21	13.9T	015	L	.		2342000	A	
NAIE2									
2182021	17T28	14.5	010	S	NFF		2182021	A	
	23R14	14.5T	015	L	.		2180520	A	
2182022-1									
	17T50	.0T	005	S	+		2182022	A	I
2183000-1									
	06F06	3.0	010	S	B		2183000	A	
	09F25	3.0T	015	L	*		2183000	A	
ALARM									
2240100	22F14	18.9	010	S	FF		2240100	A	
	07D02	5.2	020	C	C		2240100	A	
	07C02	1.5	030	C	C		2240100	A	
	04C02	10.7	040	L	.		2371500	A	
	02A11	14.5	050	C	C		2240100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		31K11	17.4	060	C	C	2240100	A	
		17M06	68.2T	065	L	.	2240200	A	
NALARM									
2240101	22F12	17.6	010	S	NFF		2240101	A	
	07D15	5.2	020	C	C		2240101	A	
	07C15	1.5	030	C	C		2240101	A	
	04C15	24.3T	035	L	.		2371500	A	
2240102-1	22F11	.5	010	S	+		2240102	A	
	23F11	.5T	015	S	+		2240104	A	
(R/ALARM)									
2240150	19F36	3.3	010	S	I		2240150	A	
	22F15	2.0	020	L	.		2240107	A	
	26F15	5.3T	025	T	T		2240150	A	
AM									
2260000	14C18	4.1	005	L	.		5138129	J	
	09C40	4.0	010	T	T		2260000	A	
	17C40	7.0	020	L	.		1306632	A	
	19B30	15.7	030	L	.		1316630	A	
	01A10	15.5	040	C	C		2260000	A	
	32K10	27.2	050	C	C		2260000	A	
	03M43	3.5	060	L	.		1110118	A	
	10M43	5.2	070	C	C		2260000	A	
	10N43	8.0	080	C	C		2260000	A	
	18P27	3.5	090	L	.		2260020	A	
	11P27	93.7T	095	S	FF		2260000	A	
NAM									
2260001	11P28	.0T	005	S	NFF		2260001	A	I
2260002-1	11P50	3.5	010	S	+		2260003	A	
	12P13	3.5T	015	S	+		2260002	A	
ANLZ									
2285000	29A27	6.2	010	S	FF		2285000	A	
	28B30	6.2	020	L	.		2285060	A	
	30C30	4.6	030	L	.		2285040	A	
	24C07	5.4	040	L	.		6038024	T	
	18C36	7.5	050	L	.		6902654	A	
	20B23	2.7	055	L	.		6196123	M	
	17B39	2.7	060	L	.		2285050	A	
	12B38	4.7	070	L	.		7430142	A	
	10C18	3.5	080	L	.		8010154	A	
	03C18	5.2	090	C	C		2285000	A	
	03D18	3.3	100	C	C		2285000	A	
	08D11	5.5	110	L	.		2405594	A	
	14D46	8.1	120	L	.		7900046	A	
	29D38	14.2	130	L	.		2285012	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		20F31	.9	140	L	.	2013100	A	
		20F40	3.0	150	L	.	2013152	A	
		26F40	83.7T	155	T	T	2285000	A	
NANLZ									
2285001	29A28	.8	010	S	NFF		2285001	A	
	28A24	5.4	020	L	.		6902902	A	
	25B06	3.5	030	L	.		2841662	A	
	28B31	6.3	040	L	.		2285065	A	
	32C19	6.2	050	L	.		2841354	A	
	22C04	2.7	060	L	.		6196202	A	
	22C40	14.3	070	L	.		2842454	A	
	20A02	39.2T	075	T	T		2285001	A	
2285002-1	29A50	.0T	005	S	+		2285002	A	I
(ANLZ.1A)									
2285012	29D35	.4	010	S	B		2285014	A	
	29D41	9.2	020	S	B		2285012	A	
	29F20	1.5	030	L	.		7890602	A	
	26F20	11.1T	035	T	T		2285012	A	
(ANLZ.PH6)									
2285040	30C46	1.5	010	S	B		2285040	A	
	27C46	5.2	020	C	C		2285040	A	
	27D46	8.6	030	C	C		2285040	A	
	14D18	5.0	040	L	.		7900050	A	
	06D03	4.1	050	L	.		2405484	A	
	02D28	11.3	060	L	.		2405542	A	
	12E41	3.4	070	L	.		7904502	A	
	10F03	39.1T	075	T	T		2285040	A	
(ANLZ.PH7)									
2285050	17B45	11.4	010	S	B		2285050	A	
	03C30	5.2	020	C	C		2285050	A	
	03D30	.6	030	C	C		2285050	A	
	02D27	17.2T	035	L	.		2405542	A	
(ANLZ.PRE3)									
2285060	28B46	3.7	010	S	B		2285060	A	
	24C03	12.4	020	L	.		2841550	A	
	05C38	1.0	030	L	.		2285070	A	
	03C38	5.2	040	C	C		2285060	A	
	03D38	6.8	050	C	C		2285060	A	
	13D17	3.5	060	L	.		3060156	A	
	18D03	1.9	070	L	.		3060253	A	
	18D29	1.4	080	L	.		3060006	A	
	18D44	4.9	090	L	.		3060352	A	
	14E17	1.0	100	L	.		3060152	A	
	16E17	41.8T	105	T	T		2285060	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
(NANLZ.PRE3)									
2285065	28B47	3.1	010	S	B		2285065	A	
	26B19	7.3	020	L	.		2842072	A	
	13B26	5.4	030	L	.		1313738	A	
	05B05	12.5	035	L	.		6650010	U	
	13C50	1.1	040	L	.		1313746	A	
	14C42	5.4	050	L	.		2841352	A	
	22C27	5.1	060	L	.		2842450	A	
	30C08	.8	065	L	.		4324870	F	
	31C07	5.2	070	C	C		2285065	A	
	31D07	4.6	080	C	C		2285065	A	
	22D09	12.0	090	L	.		2904500	A	
	08E02	8.8	100	L	.		6977024	A	
	12F21	2.6	105	L	.		4395402	Q	
	08F29	2.5	110	L	.		6977032	A	
	06F09	3.0	115	L	.		6902328	F	
	07E42	7.1	120	L	.		6942306	A	
	05D30	1.1	130	L	.		6977010	A	
	05D19	.6	140	L	.		6977004	A	
	05D11	4.1	150	L	.		6977006	A	
	12D19	92.3T	155	T	T		2285065	A	
N (ANLZ.PRE3)									
2285070	05C41	12.1	010	S	I		2285070	A	
	29C43	2.0	020	L	.		6750100	A	
	25C43	14.1T	025	T	T		2285070	A	
AR									
2341910	15S08	3.7	010	S	-BCR		2341910	A	
	20S24	3.7T	015	L	.		2341920	A	
NAR									
2341920	20S26	1.2	010	S	I		2341920	A	
	21S36	4.8	020	L	.		6190200	A	
	27S15	6.0T	025	T	T		2341920	A	
2341930 NAR									
ARE									
2342000	23R01	7.7	010	S	B		2342000	A	
	22S24	7.7T	015	L	.		3240106	A	
ARMCTR									
2344100	11R35	9.6	010	S	B		2344100	A	
	29R27	.5	020	L	.		1082662	A	
	30R27	10.1T	025	L	.		1102662	A	
ARM10									
2344700	11R36	10.9	010	S	B		2344700	A	
	31R27	.5	020	L	.		1122662	A	
	32R27	11.4T	025	L	.		1142662	A	

AV

XDS
XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 2344800
 TYPE-PINLIST

179
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
ARMOVD									
2344800	11R45	8.8	010	S	B		2344800	A	
	26R27	.5	020	L	.		1022662	A	
	27R27	.5	030	L	.		1042662	A	
	28R27	9.8T	035	L	.		1062662	A	
2352900-1									
	06F41	2.1	010	S	B		2352900	A	
	09F33	2.1T	015	L	*		2352900	A	
AUC3									
2371030	03L23	1.5	010	L	.		1010120	A	
	03L43	6.1	020	L	.		1000120	A	
	11L15	1.0	030	S	B		2371030	A	
	13L15	8.6T	035	S	B		2371031	A	
AUC7									
2371070	01L24	1.8	010	T	T		2371070	A	
	04L23	1.5	020	L	.		1050120	A	
	04L43	6.7	030	L	.		1040120	A	
	13L13	6.5	040	L	.		2371031	A	
	14M23	5.2	050	C	C		2371070	A	
	14N23	.8	060	C	C		2371070	A	
	16N22	22.5T	065	S	B		2371070	A	
AUDIO									
2371500	04C14	10.2	010	S	B		2371500	A	
	02A29	14.5	020	C	C		2371500	A	
	31K29	16.6	030	C	C		2371500	A	
	17M17	4.0	040	L	.		7321525	A	
	22M37	45.3T	045	T	T		2371500	A	
AVO									
2385100	09E08	12.1	010	S	-BCR		2385100	A	
	22D07	13.0	020	L	.		2844350	C	
	27F07	4.4	030	L	.		5150550	A	
	28E25	1.5	040	L	.		2844362	A	
	29E39	6.6	050	L	.		7890842	A	
	17E47	37.6T	055	T	T		2385100	C	
NAX									
2400100	29P50	3.5	010	L	.		2400108	A	
	30P13	.3	020	S	B		2400105	A	
	30P14	.2	030	S	B		2400102	A	
	30P15	1.3	040	S	B		2400100	A	
	30P33	.3	050	S	B		2400106	A	
	30P34	5.6T	055	S	B		2400104	A	
AX/O									
2400108	01L26	1.3	010	T	T		2400108	A	
	03L29	.5	020	L	.		1000130	A	
	04L29	15.6	030	L	.		1040132	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
2400330	16Q10	.0T	005	S	I		2400330	A	I
AXAR8									
2400400	01L22	5.2	010	T	T		2400400	A	
	03M08	.5	020	L	.		1100120	A	
	04M08	8.2	030	L	.		1120120	A	
	15M44	13.9T	035	S	I		2400400	A	
NAXAR8									
2400410	04D47	12.1	010	S	I		2400410	A	
	24D19	17.7	020	L	.		2490110	A	
	03E42	25.0	030	C	C		2400410	A	
	32M42	8.5	040	C	C		2400410	A	
	15M42	2.0	050	L	.		2400400	A	
	11M42	65.3T	055	T	T		2400410	A	
AXAR16									
2400420	13N27	4.2	010	S	I		2400420	A	
	14P08	.5	020	L	.		1160118	A	
	15P08	.8	030	L	.		1200118	A	
	13P09	5.5T	035	T	T		2400420	A	
NAXAR16									
2400440	04D30	11.8	010	S	I		2400440	A	
	24D09	12.7	020	L	.		2490120	A	
	01D22	15.5	030	C	C		2400440	A	
	32N22	9.5	040	C	C		2400440	A	
	13N22	3.3	050	L	.		2400420	A	
	19N21	52.8T	055	T	T		2400440	A	
NAXAR24									
2400540	04D14	10.9	010	S	I		2400540	A	
	24D05	11.8	020	L	.		2490130	A	
	01D01	15.5	030	C	C		2400540	A	
	32N01	18.5	040	C	C		2400540	A	
	16Q01	.6	050	L	.		2400330	A	
	17Q04	57.3T	055	T	T		2400540	A	
NAXCC									
2401020	11F14	7.9	010	S	I		2401020	A	
	02E38	14.5	020	C	C		2401020	A	
	31P38	1.4	030	C	C		2401020	A	
	30P26	1.6	040	L	.		2400106	A	
	29P09	.5	050	L	.		2401050	A	
	28P09	25.9T	055	T	T		2401020	A	
AXCC									
2401050	29P10	11.7	010	S	I		2401050	A	
	12N35	3.3	020	L	.		1044204	A	
	12P09	5.9	030	L	.		1034207	A	
	11Q11	4.2	040	L	.		1270124	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		15Q41	1.0	050	L	.	1280118	A	
		17Q41	26.1T	055	T	T	2401050	A	
NAXD10									
2401080	18F05	12.1	010	S	I		2401080	A	
	02E22	14.5	020	C	C		2401080	A	
	31P22	.5	030	C	C		2401080	A	
	30P22	1.0	040	L	.		2400104	A	
	29P13	.2	050	L	.		2401120	A	
	29P12	4.6	060	L	.		2401130	A	
	29N20	5.2	070	C	C		2401080	A	
	29M20	7.5	080	C	C		2401080	A	
	15M31	.2	090	L	.		2401110	A	
	15M30	1.8	100	L	.		2401100	A	
	11M31	47.6T	105	T	T		2401080	A	
AXD10-0									
2401100	01L21	2.7	010	T	T		2401100	A	
	05L31	.8	020	L	.		1040116	A	
	05L38	10.8	030	L	.		1000116	A	
	15M46	14.3T	035	S	I		2401100	A	
AXD10-1									
2401110	01L20	7.6	010	T	T		2401110	A	
	03M38	.5	020	L	.		1100116	A	
	04M38	6.3	030	L	.		1120116	A	
	15M47	14.4T	035	S	I		2401110	A	
AXD10-2									
2401120	13P38	.5	010	T	T		2401120	A	
	14P38	.5	020	L	.		1160116	A	
	15P38	9.0	030	L	.		1200116	A	
	29P15	10.0T	035	S	I		2401120	A	
AXD10-3									
2401130	29P11	15.0	010	S	I		2401130	A	
	14Q38	.5	020	L	.		1240116	A	
	15Q38	1.0	030	L	.		1280116	A	
	17Q38	16.5T	035	T	T		2401130	A	
AXFC									
2401140	29D06	13.8	010	S	B		2401140	A	
	01D07	15.5	020	C	C		2401140	A	
	32N07	19.3	030	C	C		2401140	A	
	15Q08	.5	040	L	.		1280120	A	
	14Q08	3.6	050	L	.		1240118	A	
	13P35	52.7T	055	T	T		2401140	A	
AXFR									
2402900	05K40	4.6	010	T	T		2402900	B	
	03L18	.5	020	L	.		1000118	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04L18	18.1	030	L	.		1040118	A	
	32K37	15.5	040	C	C		2402900	A	
	01A37	22.4	050	C	C		2402900	A	
	27C24	5.2	060	C	C		2402900	A	
	27D24	13.4	070	C	C		2402900	A	
	31F35	79.7T	075	S	I		2402900	A	
NAXFR 2402920	04E29	15.4	010	S	I		2402920	A	
	24D27	14.9	020	L	.		2490100	A	
	31F39	13.9	030	L	.		2402900	A	
	26D27	44.2T	035	T	T		2402920	A	
NAXK 2403010	07B02	3.3	010	S	I		2403010	A	
	07B45	8.5	020	S	I		2403020	A	
	02A36	14.5	030	C	C		2403010	A	
	31K36	17.9	040	C	C		2403010	A	
	02L12	5.2	050	L	.		2403100	A	
	02M12	1.8	060	L	.		2403110	A	
	05M15	5.2	070	C	C		2403010	A	
	05N15	10.4	080	C	C		2403010	A	
	16P12	5.2	090	L	.		2403120	A	
	16Q12	12.1	100	L	.		2403130	A	
	30P17	1.0	110	L	.		2400100	A	
	28P17	85.1T	115	T	T		2403010	A	
NAXLOAD 2403350	18A02	20.3	010	S	I		2403350	A	
	01C23	31.2	020	C	C		2403350	A	
	32Q23	6.3	030	C	C		2403350	A	
	30P24	15.3	040	L	.		2400104	A	
	13N01	5.1	050	L	.		2403430	A	
	19N29	78.2T	055	T	T		2403350	B	
AXLOAD-0 2403400	01L19	2.0	010	T	T		2403400	A	
	03L34	.5	020	L	.		1000118	A	
	04L34	4.5	030	L	.		1040118	A	
	03M18	10.8	040	L	.		1100118	A	
	13L10	17.8T	045	S	B		2403400	A	
AXLOAD-3 2403430	13L09	6.6	010	L	.		2403400	A	
	14M21	5.2	020	C	C		2403430	A	
	14N21	.8	030	C	C		2403430	A	
	13N17	6.2	040	S	I		2403430	A	
	15P18	5.7	050	L	.		1200118	A	
	14Q18	.5	060	L	.		1240120	A	
	15Q18	1.0	070	L	.		1280120	A	
	17Q18	26.0T	075	T	T		2403430	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-2403800
 TYPE-PINLIST

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 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
AXMC									
2403800	01L18	2.8	010	T	T		2403800	A	
	05L27	.8	020	L	.		1040124	A	
	05L34	10.9	030	L	.		1000124	A	
	15M41	14.5T	035	S	I		2403800	A	
NAXMC									
2403820	19B35	15.0	010	S	I		2403820	A	
	01C45	31.2	020	C	C		2403820	A	
	32Q45	7.7	030	C	C		2403820	A	
	30P25	6.2	040	L	.		2400106	A	
	29N19	5.2	050	C	C		2403820	A	
	29M19	8.7	060	C	C		2403820	A	
	15M38	2.0	070	L	.		2403800	A	
	11M38	76.0T	075	T	T		2403820	A	
AXNR									
2403900	29P36	13.4	010	S	I		2403900	A	
	13Q38	2.3	020	L	.		1280122	A	
	17Q37	15.7T	025	T	T		2403900	A	
NAXNR									
2403920	11F13	10.2	010	S	I		2403920	A	
	02E08	14.5	020	C	C		2403920	A	
	31P08	.5	030	C	C		2403920	A	
	30P08	2.4	040	L	.		2400105	A	
	29P37	.5	050	L	.		2403900	A	
	28P37	28.1T	055	T	T		2403920	A	
AXPARITY									
2404420	13N25	9.8	010	S	I		2404420	A	
	14Q09	.5	020	L	.		1240118	A	
	15Q09	.8	030	L	.		1280118	A	
	17Q08	11.1T	035	T	T		2404420	A	
NAXPARITY									
2404430	19F01	11.6	010	S	I		2404430	A	
	02E29	14.5	020	C	C		2404430	A	
	31P29	.5	030	C	C		2404430	A	
	30P29	14.2	040	L	.		2400102	A	
	13N23	2.1	050	L	.		2404420	A	
	09N21	42.9T	055	T	T		2404430	A	
AXPSW1									
2404480	01L15	1.0	010	T	T		2404480	A	
	03L15	.5	020	L	.		1000122	A	
	04L15	7.7	030	L	.		1040122	A	
	03M41	6.4	040	L	.		1100118	A	
	15M35	15.6T	045	S	I		2404480	A	
NAXPSW1									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
2404484	19B45	10.0	010	S	I		2404484	A	
	08C35	14.1	020	S	I		2404486	A	
	01A33	15.5	030	C	C		2404484	A	
	32K33	19.4	040	C	C		2404484	A	
	15M39	2.0	050	L	.		2404480	A	
	11M39	61.0T	055	T	T		2404484	A	
AXPSW2 2404490	15M34	10.5	010	S	I		2404490	A	
	04L35	.5	020	L	.		1040122	A	
	03L35	3.6	030	L	.		1000122	A	
	05M02	5.2	040	C	C		2404490	A	
	05N02	18.0	050	C	C		2404490	A	
	14Q41	1.3	060	L	.		1240120	A	
	17Q40	39.1T	065	T	T		2404490	A	
NAXPSW2 2404494	20C25	7.1	010	S	I		2404493	A	
	08C36	13.8	020	S	I		2404496	A	
	01A38	15.5	030	C	C		2404493	A	
	32K38	19.1	040	C	C		2404493	A	
	15M40	8.6	050	L	.		2404490	A	
	29M18	5.2	060	C	C		2404493	A	
	29N18	6.2	070	C	C		2404493	A	
	30P23	1.2	080	L	.		2400104	A	
	28P22	76.7T	085	T	T		2404493	A	
AXR 2405100	29P35	11.8	010	S	I		2405100	A	
	13Q12	2.4	020	L	.		1280122	A	
	17Q06	14.2T	025	T	T		2405100	A	
NAXR 2405120	11F46	3.3	010	S	I		2405122	A	
	11F02	9.6	020	S	I		2405120	A	
	02E04	14.5	030	C	C		2405120	A	
	31P04	.5	040	C	C		2405120	A	
	30P04	2.8	050	L	.		2400105	A	
	29P39	.5	060	L	.		2405100	A	
	28P39	31.2T	065	T	T		2405120	A	
NAXRR 2405280	11P33	10.4	010	S	FF		2405280	A	
	30P21	10.4T	015	L	.		2400102	A	
AXRR 2405281	20N39	3.4	010	L	.		8010562	A	
	19P04	2.6	020	L	.		2405346	A	
	19P37	4.3	030	L	.		8010758	A	
	11P34	10.3T	035	S	NFF		2405281	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
2405282-1	11P39	.0T	005	S	+		2405282	A	I
AXRR/0									
2405300	01L12	2.0	010	T	T		2405300	A	
	05L12	1.7	020	L	.		1000116	A	
	05L33	5.5	030	L	.		1040116	A	
	10M03	5.2	040	C	C		2405300	A	
	10N03	13.4	050	C	C		2405300	A	
	20P45	27.8T	055	S	I		2405300	A	
AXRR/1									
2405310	01L17	7.9	010	T	T		2405310	A	
	03M39	.5	020	L	.		1100116	A	
	04M39	5.3	030	L	.		1120116	A	
	10M04	5.2	040	C	C		2405310	A	
	10N04	13.2	050	C	C		2405310	A	
	20P44	32.1T	055	S	I		2405310	A	
AXRR/2									
2405320	13P39	.5	010	T	T		2405320	A	
	14P39	.5	020	L	.		1160116	A	
	15P39	2.9	030	L	.		1200116	A	
	20P46	3.9T	035	S	I		2405320	A	
AXRR/3									
2405330	20P47	7.6	010	S	I		2405330	A	
	14Q39	.5	020	L	.		1240116	A	
	15Q39	.9	030	L	.		1280116	A	
	17Q36	9.0T	035	T	T		2405330	A	
NAXRR/6									
2405336	26D03	1.0	010	T	T		2405336	A	
	24D03	.3	020	L	.		2490120	A	
	24D04	.1	030	L	.		2405340	A	
	24D06	1.8	040	L	.		2490130	A	
	24D30	16.9	050	L	.		2405342	A	
	11F33	20.1T	055	S	I		2405336	A	
NAXRR/12									
2405340	24D13	17.8	010	S	B		2405340	A	
	02E30	14.5	020	C	C		2405340	A	
	31P30	5.5	030	C	C		2405340	A	
	20P30	1.2	040	L	.		2405320	A	
	22P31	39.0T	045	T	T		2405340	A	
NAXRR/13									
2405342	24D15	17.4	010	S	B		2405342	A	
	02E31	14.5	020	C	C		2405342	A	
	31P31	5.5	030	C	C		2405342	A	
	20P31	1.1	040	L	.		2405330	A	
	22P33	38.5T	045	T	T		2405342	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
N(AXRR.NAXRRINH)									
2405346	19P13	3.1	010	S	I		2405346	A	
	20P50	1.0	020	L	.		2405300	A	
	22P50	4.1T	025	T	T		2405346	A	
N(S/AXRR)									
2405350	15B15	.2	010	S	I		2405350	A	
	15B14	.9	020	S	I		2405352	A	
	14B23	.8	030	S	I		2405360	A	
	13B24	4.8	040	S	I		2405366	A	
	12C12	5.4	050	S	B		2405358	A	
	01C15	31.2	060	C	C		2405350	A	
	32Q15	14.2	070	C	C		2405350	A	
	11P35	.8	080	L	.		2405282	A	
	13P34	58.3T	085	T	T		2405350	A	
N(S/AXRR/2)									
2405380	14C29	2.3	010	S	I		2405380	A	
	13C05	.8	020	S	I		2405384	A	
	12C06	1.6	030	L	.		2405358	A	
	12C28	1.5	040	L	.		5153302	A	
	09C28	6.2T	045	T	T		2405380	A	
N(S/AXRR/3)									
2405390	14B24	4.5	010	S	I		2405390	A	
	12C05	10.8	020	L	.		2405358	A	
	17A30	14.7	030	L	.		5153300	A	
	08C26	.5	040	L	.		1092655	A	
	09C26	30.5T	045	T	T		2405390	A	
N(S/AXRR/4)									
2405400	15B29	.3	010	S	I		2405402	A	
	15B30	7.1	020	S	I		2405400	A	
	17A18	14.1	030	L	.		5153300	A	
	08C06	.5	040	L	.		1082655	A	
	09C06	22.0T	045	T	T		2405400	A	
N(S/AXRR/6)									
2405420	12A11	13.7	010	T	T		2405420	A	
	08C27	15.7	020	L	.		1092655	A	
	17A17	12.7	030	L	.		5153300	A	
	11C07	5.2	040	C	C		2405420	A	
	11D07	10.3	050	C	C		2405420	A	
	18E30	9.6	060	S	I		2405422	A	
	11F45	67.2T	065	S	I		2405420	A	
NAXRRINH									
2405430	14C01	9.9	010	S	I		2405430	A	
	29C33	2.3	020	S	I		2405434	A	
	31C12	5.2	030	C	C		2405430	A	
	31D12	19.1	040	C	C		2405430	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02E07	14.5	050	C	C		2405430	A	
	31P07	6.3	060	C	C		2405430	A	
	19P08	1.5	070	L	.		2405346	A	
	22P08	58.8T	075	T	T		2405430	A	
NAXS									
2405480	21E19	10.1	010	S	I		2405499	A	
	09D36	5.3	020	S	I		2405498	A	
	08E30	6.7	030	S	I		2405496	A	
	06D24	.1	040	S	I		2405488	A	
	06D22	7.8	050	S	I		2405480	A	
	02E33	14.5	060	C	C		2405480	A	
	31P33	.8	070	C	C		2405480	A	
	30P30	13.4	080	L	.		2400100	A	
	16Q46	5.2	090	L	.		2405530	A	
	16P46	6.4	100	L	.		2405520	A	
	18N44	5.2	110	C	C		2405480	A	
	18M44	8.1	120	C	C		2405480	A	
	02M46	26.5	130	L	.		2405510	A	
	27K03	.5	140	L	.		2405535	A	
	28K03	110.6T	145	T	T		2405480	A	
AXS/0									
2405500	02L37	.0T	005	S	I		2405500	A	I
AXS-1									
2405510	02M37	.0T	005	S	I		2405510	A	I
AXS-2									
2405520	16P37	.0T	005	S	I		2405520	A	I
AXS-3									
2405530	16Q37	.0T	005	S	I		2405530	A	I
NAXS/4									
2405535	27K02	21.0	010	S	B		2405535	A	
	02L46	21.0T	015	L	.		2405500	A	
NAXSL1									
2405540	02D14	.8	010	S	I		2405544	A	
	02D23	6.3	020	S	I		2405540	A	
	02E34	14.5	030	C	C		2405540	A	
	31P34	.6	040	C	C		2405540	A	
	30P31	13.4	050	L	.		2400100	A	
	16Q47	5.2	060	L	.		2405580	A	
	16P47	11.2	070	L	.		2405570	A	
	05N41	5.2	080	C	C		2405540	A	
	05M41	1.9	090	C	C		2405540	A	
	02M47	5.2	100	L	.		2405560	A	
	02L47	3.7	110	L	.		2405550	A	
	01L06	68.0T	115	T	T		2405540	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NAXSR1									
2405590	08D07	.1	010	S	I		2405590	A	
	08D09	.2	020	S	I		2405592	A	
	08D08	13.0	030	S	I		2405594	A	
	04F19	6.2	040	S	I		2405596	A	
	02E19	14.5	050	C	C		2405590	A	
	31P19	.5	060	C	C		2405590	A	
	30P19	6.2	070	L	.		2400102	A	
	20P03	7.2	080	L	.		2405640	A	
	16Q03	5.2	090	L	.		2405630	A	
	16P03	10.7	100	L	.		2405620	A	
	05N03	5.2	110	C	C		2405590	A	
	05M03	1.5	120	C	C		2405590	A	
	02M03	5.2	130	L	.		2405610	A	
	02L03	.6	140	L	.		2405600	A	
	01L05	76.3T	145	T	T		2405590	A	
AXSR1-4									
2405640	20P19	5.7	010	S	I		2405640	A	
	19Q19	5.2	020	C	C		2405640	A	
	19R19	5.1	030	C	C		2405640	A	
	19S17	2.2	040	T	T		2405640	A	
	17S30	18.2T	045	L	.		1324906	A	
AXSR2-4									
2405690	20N01	14.9	010	S	I		2405690	A	
	19Q50	5.2	020	C	C		2405690	A	
	19R50	4.5	030	C	C		2405690	A	
	19S40	1.1	040	T	T		2405690	A	
	17S38	.6	050	L	.		1324906	A	
	17S33	26.3T	055	L	.		1334906	A	
NAXSR2									
2405700	02D30	4.5	010	S	I		2405700	A	
	02E20	14.5	020	C	C		2405700	A	
	31P20	.5	030	C	C		2405700	A	
	30P20	11.0	040	L	.		2400102	A	
	20N10	11.9	050	L	.		2405690	A	
	16Q02	5.2	060	L	.		2405680	A	
	16P02	10.4	070	L	.		2405670	A	
	05N05	5.2	080	C	C		2405700	A	
	05M05	1.8	090	C	C		2405700	A	
	02M02	5.2	100	L	.		2405660	A	
	02L02	.3	110	L	.		2405650	A	
	01L03	70.5T	115	T	T		2405700	A	
AXTR									
2405900	29P34	13.2	010	S	I		2405900	A	
	13Q34	2.2	020	L	.		1280124	A	
	17Q35	15.4T	025	T	T		2405900	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 2405910
 TYPE-PINLIST

190
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NAXTR									
2405910	11F15	8.1	010	S	I		2405910	A	
	02E37	14.5	020	C	C		2405910	A	
	31P37	1.5	030	C	C		2405910	A	
	29P40	.3	040	L	.		2405900	A	
	28P41	24.4T	045	T	T		2405910	A	
NAXZ									
2407000	04F18	13.0	010	S	I		2407006	A	
	20E25	10.1	030	S	I		2407000	A	
	02E36	14.5	040	C	C		2407000	A	
	31P36	1.0	050	C	C		2407000	A	
	30P27	1.0	060	L	.		2400106	A	
	28P27	39.6T	065	T	T		2407000	A	
NAZ/0									
2490100	24D33	16.0	010	S	B		2490100	A	
	14F36	8.5	020	S	B		2490102	A	
	02F01	14.5	030	C	C		2490100	A	
	31Q01	4.2	040	C	C		2490100	A	
	29P30	.5	050	L	.		2400108	A	
	28P30	43.7T	055	T	T		2490100	A	
NAZ/1									
2490110	24D14	17.2	010	S	B		2490110	A	
	14F41	9.0	020	S	B		2490112	A	
	02F02	14.5	030	C	C		2490110	A	
	31Q02	3.9	040	C	C		2490110	A	
	29P31	.5	050	L	.		2400110	A	
	28P31	45.1T	055	T	T		2490110	A	
NAZ/2									
2490120	24D02	17.7	010	S	B		2490120	A	
	14F35	8.4	020	S	B		2490122	A	
	02F03	14.5	030	C	C		2490120	A	
	31Q03	3.2	040	C	C		2490120	A	
	29P43	.5	050	L	.		2400120	A	
	28P43	44.3T	055	T	T		2490120	A	
NAZ/3									
2490130	24D12	20.9	010	S	B		2490130	A	
	02F04	14.5	020	C	C		2490130	A	
	31Q04	3.4	030	C	C		2490130	A	
	29P42	.6	040	L	.		2400130	A	
	28P44	39.4T	045	T	T		2490130	A	
NAXZ/012									
2498000	08F15	4.6	010	S	I		2498000	A	
	14F37	.3	020	L	.		2490102	A	
	14F38	.2	030	L	.		2490112	A	
	14F39	11.3	040	L	.		2490122	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		22E11	16.4T	045	T	T	2498000	A	
B0001EN/1 2500020	21N01	12.8	010	S	B		2500020	A	
	10P29	.1	020	L	.		1306531	A	
	10P31	12.9T	025	L	.		1316530	A	
B0031Z 2500070	21L15	6.2	010	S	I		2500070	A	
	19M15	.5	020	S	I		2500078	A	
	18M15	5.2	030	C	C		2500070	A	
	18N15	9.7	040	C	C		2500070	A	
	09P15	5.2	050	S	I		2500086	A	
	09Q15	6.0	060	S	I		2500094	A	
	12P25	3.4	070	L	.		4375134	A	
	17P37	2.5	080	L	.		7503200	A	
	22P37	38.7T	085	T	T		2500070	A	
B1619Z 2500295	20C28	9.4	010	S	I		2500295	A	
	27B23	14.6	020	L	.		2841870	A	
	08A25	7.3	030	L	.		3078000	A	
	20A07	31.3T	035	T	T		2500295	A	
NB1619Z 2500300	19P15	11.6	010	S	I		2500300	A	
	32Q13	31.2	020	C	C		2500300	A	
	01C13	7.9	030	C	C		2500300	A	
	07B17	12.0	040	L	.		3689395	A	
	20C21	6.5	050	L	.		2500295	A	
	29C50	69.2T	055	T	T		2500300	A	
N((S/B8).ND6.D4) 2500800	18L14	3.7	010	S	I		2500800	A	
	12L24	3.9	020	L	.		1140355	A	
	11M03	7.6T	025	T	T		2500800	A	
N((S/B9).D4) 2500900	12L45	1.6	010	S	I		2500900	A	
	12L23	4.6	020	L	.		1140355	A	
	11M04	6.2T	025	T	T		2500900	A	
(S/B3031) 2503000	25N06	19.5	010	S	B		2503000	A	
	08Q17	1.7	020	L	.		1300316	A	
	06Q07	21.2T	025	T	T		2503000	A	
(B31-BC31) 2503110	23N36	.3	010	S	I		2503112	A	
	23N35	3.6	020	S	I		2503110	A	
	20N07	5.8	030	L	.		7900304	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
PROG-PNFRM LINE NO.-2503110
TYPE-PINLIST192
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	B 15		21	28	33	37	41	77	
	32N06	15.5	040	C	C		2503110	A	
	01D06	6.5	050	C	C		2503110	A	
	10D31	1.0	060	L	.		3900912	A	
	12D31	32.7T	065	T	T		2503110	A	
(BC=1)									
2559800	26C46	8.9	010	S	B		2559800	A	
	30B24	6.5	020	L	.		2559830	A	
	19B38	3.3	030	L	.		2403820	A	
	13B42	1.1	040	L	.		7430128	A	
	14B50	3.5	050	L	.		1313740	A	
	11C11	5.2	060	C	C		2559800	A	
	11D11	.5	070	C	C		2559800	A	
	10D11	15.0	080	L	.		7901512	A	
	20F06	1.5	090	L	.		4321250	A	
	20F26	3.0	100	L	.		4320620	A	
	26F26	48.5T	105	T	T		2559800	A	
N(BC=1)									
2559830	30B26	3.5	010	S	I		2559830	A	
	25B12	5.3	020	L	.		2841660	A	
	23C03	5.2	030	C	C		2559830	A	
	23D03	12.7	040	C	C		2559830	A	
	23F33	22.5	050	L	.		5883104	A	
	02D13	6.3	060	L	.		2400208	A	
	06E01	55.5T	065	T	T		2559830	A	
BC0									
2560000	29A30	20.4	010	S	FF		2560000	A	
	08C22	20.4T	015	L	.		2562020	A	
NBC0									
2560001	29A29	1.1	010	S	NFF		2560001	A	
	27A27	7.8	020	L	.		2560004	A	
	19B04	9.7	030	L	.		2579050	A	
	22C44	2.3	040	L	.		6902342	A	
	26C40	.5	050	L	.		2559800	A	
	25C40	21.4T	055	T	T		2560001	A	
2560002-1	27A26	1.4	010	S	+		2560004	A	
	27A43	1.1	020	S	+		2560003	A	
	29A41	2.5T	025	S	+		2560002	A	
(R/BC0)									
2560020	19B33	9.4	010	S	I		2560020	A	
	29A40	1.4	020	L	.		2560007	A	
	26A39	10.8T	025	T	T		2560020	A	
BC1									
2560050	29A33	12.6	010	S	FF		2560050	A	
	26C41	.5	020	L	.		2559800	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
2562070	19B02	8.3	010	S	I		2562076	A	
	20C35	.3	020	S	I		2562074	A	
	20C36	.5	030	S	I		2562070	A	
	20C41	2.4	040	S	I		2562072	A	
	20C09	5.9	050	L	.		2562050	A	
	19B07	1.5	060	L	.		2560070	A	
	22B07	18.9T	065	T	T		2562070	A	
NBCX									
2578000	18B12	1.3	010	S	I		2578000	A	
	19B05	1.5	020	L	.		2560070	A	
	19B25	1.5	030	L	.		2560020	A	
	22B25	4.3T	035	T	T		2578000	A	
BCZ									
2579000	31E25	5.5	010	S	I		2579000	A	
	23E05	.5	020	L	.		5156625	A	
	23E08	10.2	030	L	.		5156625	A	
	07E41	13.6	040	L	.		7901604	A	
	22D29	.6	050	L	.		2844352	C	
	22D21	9.7	060	L	.		2844354	A	
	03D20	5.2	080	C	C		2579000	A	
	03C20	10.8	090	C	C		2579000	A	
	17B43	8.9	100	L	.		6902450	A	
	20A10	65.0T	105	T	T		2579000	A	
NBCZ									
2579050	19B13	.7	010	S	I		2579050	A	
	19B03	8.2	020	L	.		2562076	A	
	22C24	3.5	030	L	.		2842452	A	
	15C24	5.2	040	C	C		2579050	A	
	15D24	3.6	050	C	C		2579050	A	
	10D07	5.0	060	L	.		3901400	A	
	02D21	18.0	070	L	.		2400208	A	
	28E20	1.8	080	L	.		2844552	A	
	31E23	.5	090	L	.		2579000	A	
	30E23	46.5T	095	T	T		2579050	A	
NBR									
2840100	26C12	.1	010	S	B		2840100	A	
	26C14	1.5	020	S	B		2840106	A	
	26C33	.3	030	S	B		2840102	A	
	26C34	3.3	040	S	B		2840104	A	
	32C37	11.0	050	L	.		6902330	A	
	30A43	.6	060	L	.		6845604	A	
	30A35	.6	070	L	.		6845104	A	
	30A27	.9	080	L	.		6845304	A	
	30A15	8.2	090	L	.		6846005	A	
	16A28	.3	100	S	I		2840108	A	
	16A27	5.9	110	S	I		2840110	A	
	26A15	32.7T	115	T	T		2840100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
BRP									
2840900	28A14	13.9	010	S	FF		2840900	A	
	23C26	5.2	020	C	C		2840900	A	
	23D26	.5	030	C	C		2840900	A	
	22D26	.3	040	L	.		2843850	A	
	22D30	2.4	050	L	.		2904504	A	
	26D36	22.3T	055	T	T		2840900	A	
NBRP									
2840901	28A12	14.2	005	S	NFF		2840901	A	
	01A01	15.5	007	C	C		2840901	D	
	32K01	17.8	008	C	C		2840901	D	
	11L29	3.1	010	L	.		1150336	B	
	11M01	50.6T	020	T	T		2840901	D	
2840902-1	27A11	.5	010	S	+		2840904	A	
	28A11	.5T	015	S	+		2840902	A	
(R/BRP)									
2840950	09B25	15.5	010	S	I		2840950	A	
	28A15	1.2	020	L	.		2840907	A	
	26A14	16.7T	025	T	T		2840950	A	
N(R/BRP)									
2841000	06B23	1.5	010	T	T		2841000	A	
	09B23	6.1	020	L	.		2840950	A	
	20B31	6.0	030	S	I		2841002	A	
	18A36	13.6T	035	S	I		2841000	A	
(S/BRP)									
2841040	09B26	15.2	010	S	I		2841040	A	
	28A20	1.0	020	L	.		2840902	A	
	26A20	16.2T	025	T	T		2841040	A	
N(S/BRP)									
2841050	06B24	6.1	010	T	T		2841050	A	
	06C36	7.6	020	L	I		2841062	A	
	09B24	6.8	030	L	.		2841040	A	
	20B42	.3	040	S	I		2841058	A	
	20B41	1.6	050	S	I		2841054	A	
	20B19	1.0	060	S	I		2841052	A	
	20B05	5.7	070	S	I		2841050	A	
	27B36	29.1T	075	S	I		2841064	A	
BRPCP1									
2841065	30B17	3.6	003	S	I		2841069	F	
	27B45	9.2	005	S	I		2841067	T	
	21A34	4.9	010	S	B		2841065	A	
	29A25	17.7T	015	L	.		6821102	A	
BRPCP5									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
2841700	20C46	16.8	010	S	I		2841700	A	
	32A42	3.4	020	L	.		6845702	A	
	26A35	20.2T	025	T	T		2841700	A	
NBRPH7									
2841750	25C30	2.5	010	T	T		2841750	A	
	20C30	3.3	020	L	.		2841700	A	
	26C29	4.1	030	L	.		2840106	A	
	32C46	9.9T	035	S	I		2841750	A	
BRPH8									
2841800	14C46	20.6	010	S	I		2841800	A	
	32A35	3.1	020	L	.		6845802	A	
	26A33	23.7T	025	T	T		2841800	A	
NBRPH8									
2841850	25C19	.5	010	T	T		2841850	A	
	26C19	4.3	020	L	.		2840106	A	
	27B34	12.4	030	S	I		2841870	A	
	14C47	17.2T	035	S	I		2841850	A	
BRPH9									
2841900	24B46	11.1	010	S	I		2841900	A	
	32A25	3.3	020	L	.		6845902	A	
	26A26	14.4T	025	T	T		2841900	A	
NBRPH9									
2841950	21C36	1.9	010	S	I		2841956	A	
	21C10	4.2	020	S	I		2841954	A	
	24B47	2.3	030	S	I		2841958	A	
	25B23	.5	040	S	I		2841964	A	
	26B23	5.5	050	S	I		2841974	A	
	28C13	5.6	060	S	I		2841950	A	
	27B15	7.0	065	S	I		2841980	F	
	30A08	13.7	070	L	.		6846006	A	
	26C24	3.5	080	L	.		2840104	A	
	31C10	5.2	090	C	C		2841950	A	
	31D10	10.0	100	C	C		2841950	A	
	14D30	6.0	110	L	.		7900055	A	
	19E05	65.4T	115	T	T		2841950	A	
BRPH10									
2842000	24B31	9.5	010	S	I		2842000	A	
	32A24	3.1	020	L	.		6846002	A	
	26A22	12.6T	025	T	T		2842000	A	
NBRPH10									
2842050	25B14	1.1	020	S	I		2842060	A	
	26B22	1.6	030	S	I		2842068	A	
	24B30	.5	040	S	I		2842058	A	
	25B30	7.6	050	S	I		2842064	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
2844550	28E29	4.0	010	S	I		2844550	A	
	28F13	6.4	020	L	.		2844500	A	
	17F02	3.4	030	L	.		7861000	A	
	10F05	13.8T	035	T	T		2844550	A	
NBX									
2900100	16L10	2.0	010	T	T		2900100	A	
	12L10	2.5	020	L	.		1010340	A	
	12L44	10.7	030	L	.		1000340	A	
	29M04	5.2	040	C	C		2900100	A	
	29N04	1.6	050	C	C		2900100	A	
	30N17	6.6	060	S	B		2900106	A	
	29P29	2.6	070	L	.		2900110	A	
	30P01	.3	080	S	B		2900101	A	
	30P02	.7	090	S	B		2900100	A	
	30P12	8.0	100	S	B		2900102	A	
	19P46	40.2T	105	S	I		2900104	A	
BX-0									
2900110	22M01	2.4	010	T	T		2900110	A	
	22L40	.1	020	L	.		1020330	A	
	22L38	.5	030	L	.		1030330	A	
	23L38	.1	040	L	.		1070330	A	
	23L40	.3	050	L	.		1060330	A	
	23L44	.2	060	L	.		1050330	A	
	23L45	5.2	070	L	.		1040330	A	
	29M05	5.2	080	C	C		2900110	A	
	29N05	7.1	090	C	C		2900110	A	
	29P26	21.1T	095	S	I		2900110	A	
BX-2									
2900120	06Q08	3.5	010	T	T		2900120	A	
	07P38	.1	020	L	.		1190330	A	
	07P40	.3	030	L	.		1180330	A	
	07P44	.2	040	L	.		1170330	A	
	07P45	.7	050	L	.		1160330	A	
	08P38	.1	060	L	.		1230330	A	
	08P40	.3	070	L	.		1220330	A	
	08P44	.2	080	L	.		1210330	A	
	08P45	11.8	090	L	.		1200330	A	
	29P27	17.2T	095	S	I		2900120	A	
BX-3									
2900130	06Q22	.5	010	T	T		2900130	A	
	07Q22	.2	020	L	.		1290330	A	
	07Q23	1.4	030	L	.		1280330	A	
	07Q38	.1	040	L	.		1270330	A	
	07Q40	.3	050	L	.		1260330	A	
	07Q44	.2	060	L	.		1250330	A	
	07Q45	1.9	070	L	.		1240330	A	
	08Q22	.2	080	L	.		1310330	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		08Q23	15.1	090	L	.	1300330	A	
		29P28	19.9T	095	S	I	2900130	A	
BX/1 2900140		11M40	4.6	010	T	T	2900140	A	
		20M38	.1	020	L	.	1110330	A	
		20M40	.3	030	L	.	1100330	A	
		20M44	.2	040	L	.	1090330	A	
		20M45	1.9	050	L	.	1080330	A	
		21M22	1.3	060	L	.	1150330	B	
		21M40	.3	070	L	.	1140330	A	
		21M44	.2	080	L	.	1130330	A	
		21M45	4.0	090	L	.	1120330	A	
		29M45	5.2	100	C	C	2900140	A	
		29N45	3.7	110	C	C	2900140	A	
		29P25	21.8T	115	S	I	2900140	A	
NBX/4 2900142		30P36	1.3	010	S	B	2900142	A	
		29P23	1.3T	015	L	.	2900140	A	
BXB-0 2900500		21L37	.0T	005	S	I	2900500	A	I
BXB-1 2900510		19M37	.0T	005	S	I	2900510	A	I
BXBGND-2 2900570		09P37	.0T	005	S	I	2900570	A	I
BXBGND-3 2900580		09Q37	.0T	005	S	I	2900580	A	I
NBXBL1 2900590		08D10	.6	010	S	I	2900590	A	
		08D17	7.2	020	S	I	2900592	A	
		02E03	14.5	030	C	C	2900590	A	
		31P03	.5	040	C	C	2900590	A	
		30P03	19.0	050	L	.	2900100	A	
		09Q47	5.2	060	L	.	2900630	A	
		09P47	10.0	070	L	.	2900620	A	
		18N43	5.2	080	C	C	2900590	A	
		18M43	.8	090	C	C	2900590	A	
		19M47	6.2	100	L	.	2900610	A	
		21L47	2.2	110	L	.	2900600	A	
		22M02	71.4T	115	T	T	2900590	A	
NBXBR1 2900640		08D35	6.3	010	S	I	2900640	A	
		02E09	14.5	020	C	C	2900640	A	
		31P09	.5	030	C	C	2900640	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		30P09	15.3	040	L	.	2900100	A	
		09Q03	5.2	050	L	.	2900680	A	
		09P03	8.7	060	L	.	2900670	A	
		18N17	5.2	070	C	C	2900640	A	
		18M17	1.5	080	C	C	2900640	A	
		19M03	6.2	090	L	.	2900660	A	
		21L03	3.5	100	L	.	2900650	A	
		16L17	66.9T	105	T	T	2900640	A	
NBXR2 2900690		08D36	10.3	010	S	I	2900690	A	
		04F11	5.2	020	S	I	2900692	A	
		04E11	1.2	030	L	.	3900914	A	
		02E10	14.5	040	C	C	2900690	A	
		31P10	.5	050	C	C	2900690	A	
		30P10	15.1	060	L	.	2900101	A	
		09Q02	5.2	070	L	.	2900730	A	
		09P02	8.5	080	L	.	2900720	A	
		18N18	5.2	090	C	C	2900690	A	
		18M18	1.7	100	C	C	2900690	A	
		19M02	6.2	110	L	.	2900710	A	
		21L02	3.9	120	L	.	2900700	A	
		16L25	77.5T	125	T	T	2900690	A	
BXFP-0 2902100		21L10	.0T	005	S	I	2902100	A	I
BXFP-1 2902110		19M10	.0T	005	S	I	2902110	A	I
BXFP-2 2902120		09P10	.0T	005	S	I	2902120	A	I
BXFP-3 2902130		09Q10	.0T	005	S	I	2902130	A	I
NBXP 2902160		27E46	.1	010	S	I	2902162	A	
		27E44	15.3	020	S	I	2902160	A	
		02E05	14.5	030	C	C	2902160	A	
		31P05	.5	040	C	C	2902160	A	
		30P05	15.4	050	L	.	2900102	A	
		09Q01	5.2	060	L	.	2902130	A	
		09P01	8.2	070	L	.	2902120	A	
		18N21	5.2	080	C	C	2902160	A	
		18M21	2.0	090	C	C	2902160	A	
		19M01	6.2	100	L	.	2902110	A	
		21L01	4.6	110	L	.	2902100	A	
		16L26	77.2T	115	T	T	2902160	A	

BXP

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
2904490	30M14	3.9	010	T	T		2904490	A	
	29L37	8.4	020	L	.		1150340	A	
	24M42	5.2	030	C	C		2904490	A	
	24N42	.4	040	C	C		2904490	A	
	23N45	17.9T	045	S	I		2904490	A	
NBXP									
2904495	07N36	11.9	010	S	B		2904495	A	
	20P37	.3	020	L	.		2904520	A	
	20P38	7.0	030	L	.		2904530	A	
	18N28	5.2	040	C	C		2904495	A	
	18M28	10.3	050	C	C		2904495	A	
	29L34	4.4	060	L	.		1150340	A	
	30M15	39.1T	065	T	T		2904495	A	
NBXP/1									
2904500	22D22	14.0	010	S	I		2904500	A	
	02E06	14.5	020	C	C		2904500	A	
	31P06	.5	030	C	C		2904500	A	
	30P06	6.1	040	L	.		2900102	A	
	23N39	8.6	050	L	.		2904490	A	
	07N44	1.3	060	L	.		2904495	A	
	05N40	5.2	070	C	C		2904500	A	
	05M40	7.4	080	C	C		2904500	A	
	19M46	6.2	090	L	.		2900510	A	
	21L46	2.5	100	L	.		2900500	A	
	16L46	66.3T	105	T	T		2904500	A	
NBXP/2									
2904510	21E47	12.2	010	S	I		2904510	A	
	02E11	14.5	020	C	C		2904510	A	
	31P11	.8	030	C	C		2904510	A	
	30P07	6.2	040	L	.		2900102	A	
	23N42	8.3	050	L	.		2904490	A	
	07N38	.3	060	L	.		2905650	A	
	07N37	1.1	070	L	.		2904495	A	
	09N35	43.4T	075	T	T		2904510	A	
BXP-2									
2904520	06Q11	3.6	010	T	T		2904520	A	
	07P36	.5	020	L	.		1160314	A	
	08P36	6.0	030	L	.		1200314	A	
	20P36	10.1T	035	S	I		2904520	A	
BXP-3									
2904530	06Q13	.4	010	T	T		2904530	A	
	07Q10	1.9	020	L	.		1280314	A	
	07Q36	2.4	030	L	.		1240314	A	
	08Q10	9.2	040	L	.		1300314	A	
	20P41	13.9T	045	S	I		2904530	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
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1	8	15	21	28	33	37	41	77	
NBXS									
2905500	04D01	7.2	010	S	I		2905504	A	
	08E01	4.1	020	S	I		2905500	A	
	02E12	14.5	030	C	C		2905500	A	
	31P12	.4	040	C	C		2905500	A	
	30P11	16.1	050	L	.		2900101	A	
	09Q12	5.2	060	L	.		2905530	A	
	09P12	3.8	070	L	.		2905520	A	
	07N43	1.7	080	L	.		2905650	A	
	09N33	53.0T	085	T	T		2905500	A	
N(BXS+BXP/2)									
2905650	24L06	1.9	010	T	T		2905650	A	
	21L12	6.2	020	L	.		2905540	A	
	19M12	5.9	030	L	.		2905550	A	
	10M35	5.2	040	C	C		2905650	A	
	10N35	1.5	050	C	C		2905650	A	
	07N35	20.7T	055	S	B		2905650	A	
BZC									
2990500	30S36	3.1	010	S	I		2990500	A	
	26S19	3.1T	015	L	*		5013550	A	
BZI									
2990700	30S35	1.7	010	S	I		2990700	A	
	31S19	1.7T	015	L	*		5013526	A	
BZO									
2990800	28N10	.9	010	S	I		2990800	A	
	27N19	.9T	015	L	*		5013520	A	
N(R/CC)									
3060000	32F19	17.2	010	S	I		3060010	A	
	18D24	7.5	020	S	I		3060002	A	
	15E34	7.3	030	S	I		3060000	A	
	02E21	14.5	040	C	C		3060000	A	
	31P21	5.0	050	C	C		3060000	A	
	21P21	.5	060	L	.		3060230	A	
	21P24	.1	070	L	.		3060130	A	
	21P26	.3	080	L	.		3060430	A	
	21P30	.8	090	L	.		3060330	A	
	22P34	53.2T	095	T	T		3060000	A	
CC1									
3060100	23S45	17.3	005	L	.		6240104	U	
	12Q27	2.4	010	S	FF	11	3060100	U	
	14Q04	3.6	020	L	.		1240118	A	
	15Q46	12.1	030	L	.		1280118	A	
	12N44	5.8	040	L	.		1044204	A	
	06N06	.5	050	L	.		7300900	A	
	05N06	5.2	060	C	C		3060100	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
PROG-PNFRM LINE NO. - 3060100
TYPE-PINLIST206
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		05M06	3.6	070	C	C	3060100	A	
		03L39	6.3	080	L	.	1000122	A	
		16L38	.7	090	T	T	3060100	A	
		17L39	57.5T	095	L	.	3060125	A	
NCC1									
3060101	26F03	3.0	010	T	T		3060101	A	
	20F03	1.4	020	L	.		2013150	A	
	20F18	4.2	030	L	.		2013100	A	
	13F08	5.3	040	L	.		8132000	A	
	04F23	11.3	050	L	.		3060170	A	
	02D25	1.1	060	L	.		2405542	A	
	01D18	15.5	070	C	C		3060101	A	
	32N18	18.0	080	C	C		3060101	A	
	10P42	4.1	090	L	.		3079000	A	
	11Q20	1.1	100	L	.		3060110	A	
	12Q28	65.0T	105	S	NFF		3060101	A	
3060102-1	11Q07	3.6	010	S	+		3060110	A	
	12Q50	2.9	020	S	+		3060102	A	
	13Q21	2.4	030	S	+		3060102	A	
	13Q50	8.9T	035	S	+		3060102	A	
(R/CC1)									
3060130	21P34	10.3	010	S	I		3060130	A	
	12Q45	2.5	020	L	.		3060116	A	
	17Q45	12.8T	025	T	T		3060130	A	
N(R/CC1/1)									
3060135	18E31	11.8	010	S	I		3060135	A	
	02F08	14.5	020	C	C		3060135	A	
	31Q08	9.0	030	C	C		3060135	A	
	21P23	.6	040	L	.		3060130	A	
	22P26	35.9T	045	T	T		3060135	A	
N(R/CC1/2)									
3060140	21P02	1.5	010	S	I		3060140	A	
	21P22	.5	020	L	.		3060130	A	
	22P22	2.0T	025	T	T		3060140	A	
N(S/CC1/1)									
3060150	28E14	7.0	010	S	I		3060158	C	
	14E14	5.7	040	S	I		3060150	A	
	13D14	15.3	050	S	I		3060154	A	
	02F09	14.5	060	C	C		3060150	A	
	31Q09	10.5	070	C	C		3060150	A	
	21P05	.5	080	L	.		3060165	A	
	22P05	53.5T	085	T	T		3060150	A	
(S/CC1/3)									
3060165	21P12	12.1	010	S	I		3060165	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	12Q47	2.5	020	L	.		3060102	A	
	17Q47	14.6T	025	T	T		3060165	A	
N(S/CC1/FP)									
3060167	21P07	9.1	010	L	.		3060165	A	
	29N09	5.2	020	C	C		3060167	A	
	29M09	4.3	030	C	C		3060167	A	
	31L35	.5	040	T	T		3060167	A	
	32L35	19.1T	045	S	-NS		3060167	A	
CC1-1									
3060170	28D17	19.2	008	L	.		7471002	F	
	10F10	11.1	010	T	T		3060170	A	
	08D13	1.8	020	L	.		2405594	A	
	06D04	12.8	030	L	.		2405484	A	
	04F25	44.9T	035	S	I		3060170	A	
CC1XK00									
3060180	13N19	10.4	010	S	I		3060180	A	
	11Q05	2.6	020	L	.		3060108	A	
	13P50	13.0T	025	T	T		3060180	A	
NCC1XK00									
3060185	18F04	3.6	010	S	I		3060185	A	
	11F01	4.8	020	S	I		3060187	A	
	02F05	14.5	030	C	C		3060185	A	
	31Q05	8.6	040	C	C		3060185	A	
	21P28	11.0	050	L	.		3060130	A	
	13N03	4.7	060	L	.		3060180	A	
	19N28	47.2T	065	T	T		3060185	B	
CC2									
3060200	23S43	16.9	005	L	.		6240114	U	
	12Q31	2.6	010	S	FF	11	3060200	U	
	14Q06	3.3	020	L	.		1250118	A	
	15Q44	8.0	030	L	.		1290118	A	
	17P20	7.8	040	L	.		1002775	A	
	20N09	6.4	050	L	.		5152600	A	
	12N41	4.3	060	L	.		1054204	A	
	07N18	.9	070	L	.		3691100	A	
	06N11	.6	080	L	.		7300900	A	
	05N13	5.2	090	C	C		3060200	A	
	05M13	4.5	100	C	C		3060200	A	
	03L38	7.0	110	L	.		1010122	A	
	16L35	.5	120	T	T		3060200	A	
	17L35	68.0T	125	L	.		3060225	A	
NCC2									
3060201	26D25	12.3	010	T	T		3060201	A	
	02D26	11.2	020	L	.		2405542	A	
	04F22	5.9	030	L	.		3060290	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	13F07	3.6	040	L	.		8132000	A	
	20F09	12.7	050	L	.		2013150	A	
	15D13	5.2	060	C	C		3060201	A	
	15C13	.5	070	C	C		3060201	A	
	14C13	14.8	080	L	.		8022210	A	
	07A04	14.1	090	L	.		4421662	A	
	01C12	31.2	100	C	C		3060201	A	
	32Q12	18.1	110	C	C		3060201	A	
	16N15	10.3	120	L	.		2371070	A	
	10P43	4.8	130	L	.		3079000	A	
	12Q26	144.7T	135	S	NFF		3060201	A	
3060202-1	11Q35	.6	010	S	+		3060210	A	
	11Q43	.6	020	S	+		3060205	A	
	12Q46	2.8	030	S	+		3060202	A	
	13Q19	2.1	040	S	+		3060214	A	
	13Q47	6.1T	045	S	+		3060212	A	
(R/CC2)									
3060230	21P14	12.0	010	S	I		3060230	A	
	12Q44	2.5	020	L	.		3060216	A	
	17Q44	14.5T	025	T	T		3060230	A	
N(R/CC2/1)									
3060233	21E18	3.3	010	S	I		3060238	A	
	18E42	.3	020	S	I		3060235	A	
	18E41	10.9	030	S	I		3060233	A	
	02F06	14.5	040	C	C		3060233	A	
	31Q06	9.2	050	C	C		3060233	A	
	21P20	.5	060	L	.		3060230	A	
	22P20	38.7T	065	T	T		3060233	A	
N(R/CC2/2)									
3060240	21P46	1.5	010	S	I		3060240	A	
	21P29	.5	020	L	.		3060230	A	
	22P29	2.0T	025	T	T		3060240	A	
N(S/CC2/1)									
3060253	18D22	5.1	010	S	I		3060253	A	
	17E14	.2	020	S	I		3060258	A	
	17E15	12.1	030	S	I		3060257	A	
	02F07	14.5	040	C	C		3060253	A	
	31Q07	10.3	050	C	C		3060253	A	
	20P14	1.0	060	L	.		3060265	A	
	22P14	43.2T	065	T	T		3060253	A	
(S/CC2/3)									
3060265	20P06	11.7	010	S	I		3060265	A	
	12Q43	2.6	020	L	.		3060202	A	
	17Q46	14.3T	025	T	T		3060265	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
N(S/CC2/4)									
3060267	19P34	2.8	010	S	I		3060267	A	
	20P07	4.9	020	L	.		3060265	A	
	28P19	7.7T	025	T	T		3060267	A	
N(S/CC2/FP)									
3060270	20P08	9.6	010	L	.		3060265	A	
	29N10	5.2	020	C	C		3060270	A	
	29M10	4.3	030	C	C		3060270	A	
	31L36	.5	040	T	T		3060270	A	
	32L36	19.6T	045	C	-NS		3060270	A	
(S/CC2/NZ)									
3060283	21E27	11.2	010	S	I		3060285	A	
	12F47	9.6	020	S	B		3060283	A	
	18E29	12.3	030	L	.		3060236	A	
	02F17	14.5	040	C	C		3060283	A	
	31Q17	11.5	050	C	C		3060283	A	
	11Q34	5.3	060	L	.		3060210	A	
	17Q07	64.4T	065	T	T		3060283	A	
CC2-1									
3060290	22B18	1.5	010	T	T		3060290	A	
	19B18	7.5	020	L	.		1316630	A	
	17C39	.3	030	L	.		1306632	A	
	17C43	2.8	040	L	.		8065432	A	
	14C25	2.7	045	L	.		5138129	J	
	11C09	5.2	050	C	C		3060290	A	
	11D09	2.1	060	C	C		3060290	A	
	08D14	13.2	070	L	.		2405594	A	
	04F27	35.3T	075	S	I		3060290	A	
CC3									
3060300	23S47	17.4	005	L	.		6240124	U	
	12Q30	1.0	010	S	FF	11	3060300	U	
	11Q21	1.1	020	L	.		3060408	A	
	13Q24	2.3	030	L	.		3060108	A	
	14Q03	3.9	040	L	.		1260118	A	
	15Q50	14.9	050	L	.		1300118	A	
	12N09	3.7	060	L	.		1064204	A	
	06N19	.6	070	L	.		7300902	A	
	05N21	5.2	080	C	C		3060300	A	
	05M21	6.8	090	C	C		3060300	A	
	03L13	7.8	100	L	.		1020122	A	
	16L31	.5	110	T	T		3060300	A	
	17L31	65.2T	115	L	.		3060325	A	
NCC3									
3060301	12Q29	5.2	010	S	NFF		3060301	A	
	10P44	5.2T	015	L	.		3079000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
3060302-1	12Q41	3.1	010	S	+		3060302	A	
	13Q02	2.7	020	S	+		3060304	A	
	11Q29	5.8T	025	S	+		3060307	A	
(S/CC3/1)									
3060310	32F46	15.8	010	S	I		3060310	A	
	02F33	14.5	020	C	C		3060310	A	
	31Q33	10.4	030	C	C		3060310	A	
	12Q42	6.8	040	L	.		3060302	A	
	13P31	47.5T	045	T	T		3060310	A	
(R/CC3)									
3060330	21P15	11.9	010	S	I		3060330	A	
	12Q40	3.2	020	L	.		3060316	A	
	17Q50	15.1T	025	T	T		3060330	A	
N(S/CC3/1)									
3060350	18D25	17.7	010	S	I		3060350	A	
	32F30	3.0	020	L	.		3060310	A	
	26F30	20.7T	025	T	T		3060350	A	
CC4									
3060400	23S46	16.8	005	L	.		6240134	U	
	12Q33	1.2	010	S	FF	11	3060400	U	
	11Q23	1.1	020	L	.		3060307	A	
	13Q25	2.0	030	L	.		3060214	A	
	14Q05	3.3	040	L	.		1270118	A	
	15Q43	14.6	050	L	.		1310118	A	
	12N10	2.9	060	L	.		1074204	A	
	06N09	.5	070	L	.		7300902	A	
	05N09	5.2	080	C	C		3060400	A	
	05M09	6.1	090	C	C		3060400	A	
	03L11	7.7	100	L	.		1030122	A	
	16L27	.5	110	T	T		3060400	A	
	17L27	61.9T	115	L	.		3060425	A	
NCC4									
3060401	16B34	2.0	010	T	T		3060401	A	
	12B34	9.8	020	L	.		7430142	A	
	01C25	31.2	030	C	C		3060401	A	
	32Q25	14.7	040	C	C		3060401	A	
	10P45	5.3	050	L	.		3079000	A	
	12Q34	63.0T	055	S	NFF		3060401	A	
3060402-1	12Q39	2.8	010	S	+		3060402	A	
	13Q04	1.1	020	S	+		3060406	A	
	11Q01	3.9T	025	S	+		3060408	A	
(S/CC4/1)									
3060410	32F47	16.5	010	S	I		3060410	A	
	02F27	14.5	020	C	C		3060410	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		31Q27	10.1	030	C	C	3060410	A	
		12Q35	5.8	040	L	.	3060402	A	
		13P30	46.9T	045	T	T	3060410	A	
(S/CC4/2)									
3060412	26N20	16.1	010	S	B		3060412	A	
	13Q08	4.8	015	L	.		3060406	A	
	13P14	20.9T	020	T	T		3060412	K	
(R/CC4)									
3060430	21P33	10.4	010	S	I		3060430	A	
	12Q38	3.1	020	L	.		3060416	A	
	17Q33	13.5T	025	T	T		3060430	A	
(S/CC4/1)									
3060450	18D23	18.1	010	S	I		3060450	A	
	32F31	3.0	020	L	.		3060410	A	
	26F31	21.1T	025	T	T		3060450	A	
CC1XK23									
3077000	16F35	7.0	010	S	B		3077000	A	
	18E25	8.6	020	L	.		3060135	A	
	02E17	14.5	030	C	C		3077000	A	
	31P17	14.6	040	C	C		3077000	A	
	11Q09	1.2	050	L	.		3060110	A	
	12Q20	6.6	060	L	.		4375132	A	
	01Q03	9.0	070	L	.		1236508	A	
	13P33	61.5T	075	T	T		3077000	A	
CCXRWD									
3078000	15F14	4.5	010	L	.		8165200	A	
	20F39	1.2	020	L	.		5134002	A	
	21F26	10.4	030	L	.		7339500	A	
	28E04	8.6	040	L	.		3060162	C	
	18D26	.4	050	L	.		3060255	A	
	18D20	.5	060	L	.		3060452	A	
	19D20	5.2	070	C	C		3078000	A	
	19C20	14.9	080	C	C		3078000	A	
	08A33	45.7T	085	S	B		3078000	A	
CCXS/0									
3078500	28D01	7.8	010	S	B		3078500	A	
	18D39	9.3	020	L	.		3060008	A	
	01D30	15.5	030	C	C		3078500	A	
	32N30	19.9	040	C	C		3078500	A	
	13Q33	5.5	050	L	.		3060104	A	
	13P29	58.0T	055	T	T		3078500	A	
CCXS/3									
3078530	27F15	13.7	010	S	B		3078530	A	
	18D34	8.4	020	L	.		3060008	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	01D33	15.5	030	C	C		3078530	A	
	32N33	19.8	040	C	C		3078530	A	
	13Q31	5.6	050	L	.		3060104	A	
	13P28	63.0T	055	T	T		3078530	A	
CCXTRACC									
3078800	17B12	6.1	010	S	B		3078800	A	
	19C10	5.2	020	C	C		3078800	A	
	19D10	.5	030	C	C		3078800	A	
	18D10	.6	040	L	.		3060255	A	
	18D17	10.2	050	L	.		3060351	A	
	28E17	2.5	060	L	.		3060160	C	
	30E37	25.1T	065	T	T		3078800	A	
CCZ									
3079000	10P47	3.5	010	S	B		3079000	A	
	12P10	5.9	020	L	.		1034207	A	
	11Q12	2.6	030	L	.		1270124	A	
	06Q14	12.0T	035	T	T		3079000	A	
CEINT									
3107000	15T37	2.3	010	L	.		4392640	A	
	18T22	7.4	020	S	FF		3107000	A	
	22S23	5.7	030	L	.		3240106	A	
	24R26	5.2	040	C	C		3107000	A	
	24Q26	5.7	050	C	C		3107000	A	
	32Q07	31.2	060	C	C		3107000	A	
	01C07	20.5	070	C	C		3107000	A	
	21A07	2.5	080	L	.		7869100	A	
	26A07	80.5T	085	T	T		3107000	A	
NCEINT									
3107001	11R41	8.9	010	L	.		7561250	A	
	22S17	3.1	020	L	.		3240106	A	
	25S39	7.9	025	L	.		3107050	B	
	18T24	19.9T	035	S	NFF		3107001	A	
(F/CEINT)									
3107015	15T46	2.8	010	S	B		3107015	A	
	18T28	2.8T	015	L	.		3107002	A	
(FCEINT)									
3107020	11E37	10.5	010	S	B		3107020	A	
	03F50	25.0	020	C	C		3107020	A	
	32S50	11.9	030	C	C		3107020	A	
	15T26	6.4	040	L	.		3107015	A	
	11S35	53.8T	045	T	T		3107020	A	
(S/CEINT)									
3107030	14E46	10.5	010	S	I		3107030	A	
	03F47	25.0	020	C	C		3107030	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	32S47	10.7	030	C	C		3107030	A	
	18T27	9.5	040	L	.		3107004	A	
	11S17	55.7T	045	T	T		3107030	A	
N(S/CEINT)									
3107040	22E22	5.6	010	T	T		3107040	A	
	14E47	4.8	020	S	I		3107042	A	
	08F01	10.4T	025	S	I		3107040	A	
(NCEINT.KSC-1)									
3107050	25S45	8.6	010	S	B		3107050	A	
	16T26	1.1	020	L	.		3240114	A	
	16T39	9.6	030	L	.		3240116	A	
	27S50	19.3T	035	T	T		3107050	A	
CIF									
3163100	04L41	11.6	010	L	.		1050122	A	
	17M39	4.2	020	L	.		3163120	A	
	21M06	15.8T	025	S	FF		3163100	A	
NCIF									
3163101	21M07	11.0	010	S	NFF		3163101	A	
	01M21	21.0	020	C	C		3163101	A	
	01R21	10.1	030	C	C		3163101	A	
	21R23	42.1T	035	L	.		4151000	A	
(S/CIF/1)									
3163125	17B14	12.7	010	S	B		3163125	A	
	02A14	14.5	020	C	C		3163125	A	
	31K14	15.0	030	C	C		3163125	A	
	21M08	42.2T	035	L	.		3163102	A	
(S/CIF/2)									
3163130	27K01	14.8	010	S	B		3163130	A	
	21M19	14.8T	015	L	.		3163102	A	
(R/CIF)									
3163140	26K19	12.2	010	S	B		3163140	A	
	21M09	2.4	020	L	.		3163107	A	
	22M35	14.6T	025	T	T		3163140	A	
CK-32P38									
3180380	16K13	.5	010	L	.		7394320	A	
	17K13	.5	020	L	.		7394220	A	
	18K13	1.1	030	L	.		7394120	A	
	19K05	.3	032	T	T		3180380	B	
	19K06	.2	034	T	T		3180380	B	
	19K07	.3	036	T	T		3180380	B	
	19K08	.4	038	T	T		3180380	B	
	19K14	.3	039	T	T		3180380	B	
	19K13	.5	040	L	.		7394020	A	



DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-3180380
 TYPE-PINLIST

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 133264AC
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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	20K13	.5	050	L	.		5140420	A	
	21K13	.5	060	L	.		5140320	A	
	22K13	.5	070	L	.		5140220	A	
	23K13	2.4	080	L	.		5140120	A	
	27K07	1.5	090	L	.		3405100	A	
	27K27	.7	100	L	.		3405000	A	
	27K37	.4	110	L	.		3404100	A	
	27K43	23.0	120	L	.		3404000	A	
	32P38	33.6T	125	S	-NS		3180380	A	
CK-32P42 3180420	05K13	.5	010	L	.		5140100	A	
	06K13	.5	020	L	.		5140200	A	
	07K13	1.1	030	L	.		5140300	A	
	08K05	.3	032	T	T		3180420	B	
	08K06	.2	034	T	T		3180420	B	
	08K07	.3	036	T	T		3180420	B	
	08K08	.9	038	T	T		3180420	B	
	09K14	.4	039	T	T		3180420	B	
	08K13	.5	040	L	.		5140400	A	
	09K13	.5	050	L	.		7394000	A	
	10K13	.5	060	L	.		7394100	A	
	11K13	.5	070	L	.		7394200	A	
	12K13	33.0	080	L	.		7394300	A	
	32P42	39.2T	085	S	-NS		3180420	A	
CK-32P43 3180430	01N13	.5	010	L	.		5830000	A	
	02N13	.5	020	L	.		5830010	A	
	03N13	.5	030	L	.		5830020	A	
	04N13	2.1	040	L	.		5830030	A	
	07N05	1.5	050	L	.		3404300	A	
	07N25	1.2	060	L	.		3404200	A	
	07N41	.3	070	L	.		3405200	A	
	07N42	1.3	080	L	.		3405300	A	
	09N38	.1	090	T	T		3180430	B	
	09N40	.3	100	T	T		3180430	B	
	09N44	.2	110	T	T		3180430	B	
	09N45	.6	120	T	T		3180430	B	
	09N50	16.3	130	T	T		3180430	B	
	32P43	25.4T	140	S	-NS	COA	3180430	B	
CK-32P45 3180450	32P45	28.8	010	S	-NS		3180450	A	
	01S13	.5	020	L	.		5140140	A	
	02S13	.5	030	L	.		5140240	A	
	03S13	.5	040	L	.		5140340	A	
	04S13	2.7	050	L	.		5140440	A	
	05S44	.3	052	T	T		3180450	B	
	05S40	2.3	054	T	T		3180450	B	
	05S13	.4	060	L	.		7394040	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
3181014	29S25	.0T	005	S	-CLD		3181014	A	I
CK/8									
3181016	29S27	.0T	005	S	-CLD		3181016	A	I
CK/9									
3181018	29S29	.0T	005	S	-CLD		3181018	A	I
CK/10									
3181020	29S31	.0T	005	S	-CLD		3181020	A	I
CK/11									
3181022	29S33	.0T	005	S	-CLD		3181022	A	I
CK/12									
3181024	29S35	.0T	005	S	-CLD		3181024	A	I
CL-01E01									
3181030	01E01	36.0	010	S	-NS	COA	3181030	A	
	31A01	.5	020	L	.		4252009	A	
	32A01	36.5T	025	L	.		5188109	A	
CL-01E03									
3181040	01E03	34.6	010	S	-NS	COA	3181040	A	
	28A01	.5	020	L	.		2840909	A	
	29A01	35.1T	025	L	.		2285009	A	
CL-01E07									
3181050	01E07	32.9	010	S	-NS	COA	3181050	A	
	24A01	.5	020	L	.		5138909	A	
	25A01	33.4T	025	L	.		1286609	A	
CL-01E10									
3181060	01E10	32.9	010	S	-NS	COA	3181060	A	
	23A01	1.5	020	L	.		3651008	A	
	26A01	.3	030	T	T		3181060	A	
	26A02	.2	040	T	T		3181060	A	
	26A03	34.9T	045	T	T		3181060	A	
CL-01E14									
3181070	01E14	18.4	010	S	-NS	COA	3181070	A	
	29F01	.5	020	L	.	COA	5159809	B	
	30F01	18.9T	025	L	.		7891109	A	
CL-01E18									
3181080	01E18	16.1	010	S	-NS	COA	3181080	A	
	25F01	.5	020	L	.	COA	5150509	B	
	24F01	16.6T	025	L	.		6038009	A	
CL-01E22									
3181090	01E22	14.3	010	S	-NS	COA	3181090	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	22F01	1.7	020	L	.	COA	2240109	B	
	22E50	.5	030	T	T		3181090	A	
	22E47	.2	040	T	T		3181090	A	
	22E46	16.7T	045	T	T		3181090	A	
CL-32P01									
3200010	04M01	.5	006	L	.		1120134	B	
	03M01	5.2	008	L	.		1100134	B	
	03L01	.5	010	L	.		1000134	A	
	04L01	29.7	020	L	.		1040134	A	
	32P01	35.9T	025	S	-NS	COA	3200010	A	
CL-32P03									
3200030	07L01	1.0	010	L	.		1002628	A	
	09L01	27.4	020	L	.		1032628	A	
	32P03	28.4T	025	S	-NS	COA	3200030	A	
CL-32P04									
3200040	22L01	.5	010	L	.		1000334	A	
	23L01	20.3	020	L	.		1040334	A	
	32P04	20.8T	025	S	-NS	COA	3200040	A	
CL-32P06									
3200060	24L10	.3	010	T	T		3200060	A	
	24L09	.5	020	T	T		3200060	A	
	25L09	.5	030	L	.		1001334	A	
	26L09	.5	040	L	.		1021334	A	
	27L09	.5	050	L	.		1041334	A	
	28L09	.5	060	L	.		1061334	A	
	29L09	16.9	070	L	.		1001259	A	
	32P06	19.7T	075	S	-NS	COA	3200060	A	
CL-32P08									
3200080	07M01	.5	010	L	.		1001518	A	
	08M01	22.9	020	L	.		1101518	A	
	32P08	23.4T	025	S	-NS	COA	3200080	A	
CL-32P10									
3200100	20M01	.5	010	L	.		1100334	A	
	21M01	16.5	020	L	.		1120334	A	
	32P10	17.0T	025	S	-NS	COA	3200100	A	
CL-32P12									
3200120	30M09	4.1	010	T	T		3200120	A	
	23M01	1.6	020	L	.		1286212	A	
	25M09	.5	030	L	.		1081334	A	
	26M09	.5	040	L	.		1101334	A	
	27M09	.5	050	L	.		1121334	A	
	28M09	12.6	060	L	.		1141334	A	
	32P12	19.8T	065	S	-NS	COA	3200120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
3200280	32P28	5.4	010	S	-NS	COA	3200280	A	
	27Q01	.5	020	L	.	COA	1321518	B	
	28Q01	5.9T	025	L	.		1401518	A	
CL-32P30									
3200300	32P30	18.0	010	S	-NS	COA	3200300	A	
	12R01	.5	020	L	.		1154918	A	
	13R01	.5	030	L	.		1194918	A	
	14R01	1.0	040	L	.		1234918	A	
	16R01	20.0T	045	L	.		1264918	A	
CL-32P33									
3200330	32P33	11.8	010	S	-NS	COA	3200330	A	
	14Q01	.5	020	L	.	COA	1240134	B	
	15Q01	5.2	025	L	.		1280134	A	
	15P01	.5	030	L	.		1200134	B	
	14P01	18.0T	035	L	.		1160134	B	
CL-32P34									
3200340	32P34	15.2	010	S	-NS	COA	3200340	A	
	17R01	5.7	020	L	.		1304918	A	
	18S01	2.8	030	L	.		3800008	A	
	20R47	.5	040	T	T		3200340	A	
	20R50	24.2T	045	T	T		3200340	A	
CL/1									
3201000	25T13	1.0	010	S	-CLD		3201000	A	
	27T13	1.0	020	S	-CLD		3201006	A	
	29T13	3.0	030	S	-CLD		3201012	A	
	26T33	.5	040	C	C		3201000	A	
	26T28	5.5T	045	C	C		3201000	A	
CL/2									
3201018	25T15	1.0	010	S	-CLD		3201018	A	
	26T24	.5	020	C	C		3201018	A	
	26T21	.9	030	C	C		3201018	A	
	27T15	1.0	040	S	-CLD		3201020	A	
	29T15	3.4T	045	S	-CLD		3201022	A	
CL/3									
3201024	25T17	.6	010	S	-CLD		3201024	A	
	26T19	.1	020	C	C		3201024	A	
	26T17	.5	030	C	C		3201024	A	
	27T17	1.0	040	S	-CLD		3201026	A	
	29T17	2.2T	045	S	-CLD		3201028	A	
CL/4									
3201030	25T19	.7	010	S	-CLD		3201030	A	
	26T12	1.1	020	C	C		3201030	A	
	27T19	1.0	040	S	-CLD		3201032	A	
	29T19	2.8T	045	S	-CLD		3201034	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
CL/5									
3201036	25T21	1.3	010	S	-CLD		3201036	A	
	26T06	.1	020	C	C		3201036	A	
	26T04	1.9	030	C	C		3201036	A	
	27T21	1.0	040	S	-CLD		3201038	A	
	29T21	4.3T	045	S	-CLD		3201040	A	
CL/6									
3201042	25T23	1.2	010	S	-CLD		3201042	A	
	26T34	.3	020	C	C		3201042	A	
	26T30	1.3	030	C	C		3201042	A	
	27T23	1.0	040	S	-CLD		3201044	A	
	29T23	3.8T	045	S	-CLD		3201046	A	
CL/7									
3201048	25T25	.4	010	S	-CLD		3201048	A	
	26T26	.8	020	C	C		3201048	A	
	27T25	1.0	040	S	-CLD		3201050	A	
	29T25	2.2T	045	S	-CLD		3201052	A	
CL/8									
3201054	25T27	.9	010	S	-CLD		3201054	A	
	26T18	.3	020	C	C		3201054	A	
	26T14	1.6	030	C	C		3201054	A	
	27T27	1.0	040	S	-CLD		3201056	A	
	29T27	3.8T	045	S	-CLD		3201058	A	
CL/9									
3201060	25T29	1.6	010	S	-CLD		3201060	A	
	26T10	.5	020	C	C		3201060	A	
	26T07	2.1	030	C	C		3201060	A	
	27T29	1.0	040	S	-CLD		3201062	A	
	29T29	5.2T	045	S	-CLD		3201064	A	
CL/10									
3201066	25T31	2.6	010	S	-CLD		3201066	A	
	26T03	.1	020	C	C		3201066	A	
	26T01	2.7	030	C	C		3201066	A	
	27T31	1.0	040	S	-CLD		3201068	A	
	29T31	1.2	050	S	-CLD		3201070	A	
	30T21	7.6T	055	C	C		3201066	A	
CL/11									
3201072	25T33	1.0	010	S	-CLD		3201072	A	
	27T33	1.0	020	S	-CLD		3201074	A	
	29T33	1.5	030	S	-CLD		3201076	A	
	30T19	.1	040	C	C		3201072	A	
	30T17	.5	050	C	C		3201072	A	
	30T12	4.1T	055	C	C		3201072	A	
CL/12									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
3201078	25T35	1.0	010	S	-CLD		3201078	A	
	27T35	1.0	020	S	-CLD		3201080	A	
	29T35	2.2	030	S	-CLD		3201082	A	
	30T08	.1	040	C	C		3201078	A	
	30T06	.1	050	C	C		3201078	A	
	30T04	4.4T	055	C	C		3201078	A	
3202100-1	06F44	5.0	010	S	B		3202100	A	
	09F01	5.0T	015	L	*		3202100	A	
CLBUSSB1									
3202300	25T09	1.0	010	S	-NS		3202300	A	
	27T09	1.0	020				3202300	A	
	29T09	2.0T	025				3202300	A	
CLBUSSB2									
3202302	25T11	1.0	010	S	-NS		3202302	A	
	27T11	1.0	020				3202302	A	
	29T11	2.0T	025				3202302	A	
CLBUSSB3									
3202304	25T37	1.0	010	S	-NS		3202304	A	
	27T37	1.0	020				3202304	A	
	29T37	2.0T	025				3202304	A	
CLBUSSC1									
3202306	25T38	1.0	010	S	-NS		3202306	A	
	27T38	1.0	020				3202306	A	
	29T38	2.0T	025				3202306	A	
CLBUSSC2									
3202308	25T36	1.0	010	S	-NS		3202308	A	
	27T36	1.0	020				3202308	A	
	29T36	2.0T	025				3202308	A	
CLBUSSC3									
3202310	25T12	1.0	010	S	-NS		3202310	A	
	27T12	1.0	020				3202310	A	
	29T12	2.0T	025				3202310	A	
NCLEAR									
3202700	05C15	.4	010	S	I		3202704	A	
	06C12	6.0	030	S	I		3202706	A	
	08B19	2.2	040	S	I		3202700	A	
	09B44	9.1	050	S	I		3202708	A	
	27B46	13.3	055	S	I		3202702	D	
	08C31	1.1	060	L	.		7343140	A	
	06C29	.6	070	L	.		7343170	A	
	06C22	8.6	080	L	.		5159825	A	
	09B01	6.7	090	L	.		3202720	A	
	19B26	1.5	100	L	.		2560020	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19B06	2.8	110	L	.	2560070	A	
		18A43	4.7	120	L	.	5188020	A	
		23A10	7.1	125	L	.	3651004	K	
		28B02	3.5	130	L	.	3202710	A	
		24B22	6.8	140	L	.	6902130	A	
		20A28	74.4T	155	T	T	3202700	A	
NCLEAR-1 3202710		28B05	6.6	010	S	B	3202710	A	
		32A10	.5	020	L	.	5188102	A	
		31A10	1.9	030	L	.	4252002	A	
		31A36	.5	040	L	.	6845102	A	
		32A36	22.9	050	L	.	6845502	A	
		08C42	10.2	060	L	.	6041200	A	
		26C26	8.5	070	L	.	2840102	A	
		29B02	51.1T	075	T	T	3202710	A	
NCLEAR-2 3202712		14T15	5.4	010	S	I	3202712	A	
		18S36	7.3	020	L	.	3846002	A	
		16T50	12.7T	025	T	T	3202712	A	
CLEAR 3202720		09B17	16.4	010	S	I	3202720	A	
		31A15	1.4	020	L	.	4252007	A	
		29A09	2.7	030	L	.	6733107	A	
		29A45	5.1	040	L	.	2285007	A	
		23A17	22.0	050	L	.	3651004	A	
		01C20	31.2	060	C	C	3202720	A	
		32Q20	15.4	070	C	C	3202720	A	
		21N28	.4	080	L	.	6105100	A	
		21N34	16.5	090	L	.	2560130	A	
		10Q45	5.2	100	C	C	3202720	A	
		10R45	10.1	110	C	C	3202720	A	
		14T13	4.4	120	L	.	3202712	A	
		17S40	6.6	130	L	.	1334914	A	
		20R42	137.4T	135	T	T	3202720	A	
CLEARMEM 3203100		17A33	2.4	010	S	B	3203100	A	
		18A04	8.9	020	L	.	2841080	A	
		24B11	18.6	030	L	.	6821332	A	
		02C43	.5	040	L	.	7892002	A	
		03C43	5.2	050	C	C	3203100	A	
		03D43	24.5	060	C	C	3203100	A	
		32F37	3.0	070	L	.	3203110	A	
		26F37	63.1T	075	T	T	3203100	A	
NCLEARMEM 3203110		32F36	14.6	010	S	I	3203110	A	
		03F38	25.0	020	C	C	3203110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		32S38	19.7	030	C	C	3203110	A	
		03R37	1.3	040	L	.	3315124	A	
		06R36	60.6T	045	T	T	3203110	A	
CLFN									
3240100	21S30	2.6	010	S	B		3240100	A	
	22S02	.2	020	S	B		3240106	A	
	22S03	3.3	030	S	B		3240104	A	
	22S44	7.1	040	S	B		3240110	A	
	16T33	.9	050	S	I		3240114	A	
	16T45	1.5	060	S	I		3240116	A	
	18T34	2.3	070	L	.		3740102	A	
	19T10	17.9T	075	L	.		3740100	A	
CLFP/1									
3241000	32T13	.5	010	S	-CLD		3241005	A	
	31T13	2.9	020	S	-CLD		3241000	A	
	30T45	.6	030	C	C		3241000	A	
	30T50	4.0T	035	C	C		3241000	A	
CLFP/2									
3241010	32T15	.5	010	S	-CLD		3241012	A	
	31T15	2.5	020	S	-CLD		3241010	A	
	30T38	.3	030	C	C		3241010	A	
	30T42	3.3T	035	C	C		3241010	A	
CLFP/3									
3241020	32T17	.5	010	S	-CLD		3241022	A	
	31T17	2.0	020	S	-CLD		3241020	A	
	30T34	2.5T	025	C	C		3241020	A	
CLFP/4									
3241030	32T19	.5	010	S	-CLD		3241032	A	
	31T19	1.6	020	S	-CLD		3241030	A	
	30T30	2.1T	025	C	C		3241030	A	
CLFP/5									
3241040	32T21	.5	010	S	-CLD		3241042	A	
	31T21	1.1	020	S	-CLD		3241040	A	
	30T26	1.6T	025	C	C		3241040	A	
CLFP/6									
3241050	32T23	.5	010	S	-CLD		3241052	A	
	31T23	.7	020	S	-CLD		3241050	A	
	30T22	1.2T	025	C	C		3241050	A	
CLFP/7									
3241060	32T25	.5	010	S	-CLD		3241062	A	
	31T25	1.1	020	S	-CLD		3241060	A	
	30T18	1.6T	025	C	C		3241060	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
CLFP/8 3241070	32T27	.5	010	S	-CLD		3241072	A	
	31T27	1.6	020	S	-CLD		3241070	A	
	30T14	2.1T	025	C	C		3241070	A	
CLFP/9 3241080	32T29	.5	010	S	-CLD		3241082	A	
	31T29	2.0	020	S	-CLD		3241080	A	
	30T10	2.5T	025	C	C		3241080	A	
CLFP/10 3241090	32T31	.5	010	S	-CLD		3241092	A	
	31T31	2.3	020	S	-CLD		3241090	A	
	30T07	2.8T	025	C	C		3241090	A	
CLFP/11 3241100	32T33	.5	010	S	-CLD		3241102	A	
	31T33	2.7	020	S	-CLD		3241100	A	
	30T03	3.2T	025	C	C		3241100	A	
CLFP/12 3241110	32T35	.5	010	S	-CLD		3241112	A	
	31T35	3.0	020	S	-CLD		3241110	A	
	30T01	3.5T	025	C	C		3241110	A	
CLFPBUSSB1 3241200	31T09	.5	010	S	-NS		3241200	A	
	32T09	.5T	015				3241200	A	
CLFPBUSSB2 3241210	31T11	.5	010	S	-NS		3241210	A	
	32T11	.5T	015				3241210	A	
CLFPBUSSB3 3241220	31T37	.5	010	S	-NS		3241220	A	
	32T37	.5T	015				3241220	A	
CLFPBUSSC1 3241230	31T12	.5	010	S	-NS		3241230	A	
	32T12	.5T	015				3241230	A	
CLFPBUSSC2 3241240	31T36	.5	010	S	-NS		3241240	A	
	32T36	.5T	015				3241240	A	
CLFPBUSSC3 3241250	31T38	.5	010	S	-NS		3241250	A	
	32T38	.5T	015				3241250	A	
CLIS 3243000	07F36	.0T	005	S	-BCR		3243000	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
3243050-1	06F11	2.3	010	S	B		3243050	A	
	05F35	2.3T	015	L	*		3243050	A	
CNA									
3270200	30N33	16.6	010	L	.		4385400	A	
	20Q44	.4	020	L	.		4845000	A	
	19Q43	5.2	030	C	C		3270200	A	
	19R43	8.8	040	C	C		3270200	A	
	17T04	3.0	050	S	FF		3270200	E	
	17T43	34.0T	055	L	.		3270252	A	
NCNA									
3270201	17T05	12.1	010	S	NFF		3270201	E	
	23R23	12.1T	015	L	.		4410500	A	
3270202-1	17S28	3.5	010	S	+		3270202	A	
	17T03	3.5T	015	S	+		3270203	E	
CNB									
3270250	17T31	13.7	010	S	FF		3270250	A	
	23R24	13.7T	015	L	.		4410500	A	
NCNB									
3270251	17T26	5.6	010	S	NFF		3270251	A	
	17S25	5.6T	015	L	.		3270202	A	
3270252-1	17T46	.0T	005	S	+		3270252	A	I
CNLK									
3271000	17T33	.0T	005	S	FF		3271000	A	I
NCNLK									
3271001	17T34	8.9	010	S	NFF		3271001	A	
	25S38	8.9T	015	L	.		7840130	A	
3271002-1	17T39	.0T	005	S	+		3271002	A	I
CNST									
3277000	29D11	12.0	002	S	B		3277012	B	
	28F25	4.2	005	S	I		3277010	B	
	29E42	.6	010	L	.		7890342	A	
	29E50	8.0	020	L	.		7890340	A	
	16E30	6.9	025	T	T		3277000	B	
	04E42	.6	030	L	.		3277180	A	
	04E50	4.5	040	L	.		3277180	A	
	07F20	36.8T	045	S	-BCR		3277000	A	
3277100-1	06F26	.9	010	S	B		3277100	F	
	05F19	.9T	015	L	*		3277100	A	
CNSTI									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
3277160	04E31	6.8	010	S	I		3277160	A	
	06F40	.3	020	L	.		6905008	A	
	06F39	2.0	030	L	.		3277200	A	
	10F39	9.1T	035	T	T		3277160	A	
NCNST1									
3277180	06E47	2.4	010	T	T		3277180	A	
	04E30	2.4T	015	S	I		3277180	A	
3277200-1	06F35	1.7	010	S	B		3277200	A	
	07F19	1.7T	015	L	*		3277200	A	
CNTZREQ									
3278000	07R35	4.9	010	S	I		3278000	A	
	10S11	7.9	020	S	B		3278002	A	
	25S17	.1	030	L	.		7840110	A	
	25S19	.5	040	L	.		7840100	A	
	25S22	.3	050	L	.		7840090	A	
	25S25	1.0	060	L	.		7840080	A	
	27S25	14.7T	065	T	T		3278000	A	
CNTZREQ/1									
3278030	12C36	14.7	010	S	B		3278030	A	
	02A45	14.5	020	C	C		3278030	A	
	31K45	24.0	030	C	C		3278030	A	
	01M22	21.0	040	C	C		3278030	A	
	01R22	9.0	050	C	C		3278030	A	
	10S12	.7	060	L	.		3278002	A	
	11S13	83.9T	065	T	T		3278030	A	
CPUL1									
3281000	02K46	9.4	010	S	FF		3281000	A	
	01M29	21.0	020	C	C		3281000	A	
	01R29	14.1	030	C	C		3281000	A	
	26R04	3.6	040	L	.		1022682	A	
	20R12	48.1T	045	T	T		3281000	A	
3281020-1	03K09	3.0	010	S	-SWC		3281020	A	
	02K43	3.0T	015	L	.		3281020	A	
3281030-1	03K10	.6	010	L	*		3281030	A	
	03K17	.6T	015	S	-SWC		3281030	A	
3281040-1	03K18	.4	010	L	*		3281040	A	
	03K24	.4T	015	S	-SWC		3281040	A	
3281050-1	03K25	.4	010	L	*		3281050	A	
	03K31	.4T	015	S	-SWC		3281050	A	
CPUL2									
3282000	02K29	11.8	010	S	FF		3282000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	01M36	21.0	020	C	C		3282000	A	
	01R36	14.1	030	C	C		3282000	A	
	26R14	2.9	040	L	.		1032682	A	
	20R13	49.8T	045	T	T		3282000	A	
3282020-1	03K05	2.0	010	S	-SWC		3282020	A	
	02K25	2.0T	015	L	.		3282020	A	
3282030-1	03K06	.6	010	L	*		3282030	A	
	03K14	.6T	015	S	-SWC		3282030	A	
3282040-1	03K19	.6	010	L	*		3282040	A	
	03K27	.6T	015	S	-SWC		3282040	A	
3282050-1	03K28	.8	010	L	*		3282050	A	
	03K37	.8T	015	S	-SWC		3282050	A	
CPUL3									
3283000	02K20	12.8	010	S	FF		3283000	A	
	01M44	21.0	020	C	C		3283000	A	
	01R44	16.0	030	C	C		3283000	A	
	27R04	4.2	040	L	.		1042682	A	
	20R14	54.0T	045	T	T		3283000	A	
3283020-1	03K02	1.3	010	S	-SWC		3283020	A	
	02K17	1.3T	015	L	.		3283020	A	
3283030-1	03K03	.6	010	L	*		3283030	A	
	03K11	.6T	015	S	-SWC		3283030	A	
3283040-1	03K12	.8	010	L	*		3283040	A	
	03K21	.8T	015	S	-SWC		3283040	A	
3283050-1	03K22	.9	010	L	*		3283050	A	
	03K34	.9T	015	S	-SWC		3283050	A	
CPUL4									
3284000	02K01	14.6	010	S	FF		3284000	A	
	01M46	21.0	020	C	C		3284000	A	
	01R46	15.4	030	C	C		3284000	A	
	27R14	3.3	040	L	.		1052682	A	
	20R15	54.3T	045	T	T		3284000	A	
3298600-1	30N11	3.6	010	S	B		3298600	A	
	27N39	3.6T	015	L	*		3298600	A	
COND1									
3314000	21D34	7.3	010	S	I		3314000	A	
	28E13	6.2	020	L	.		3060158	C	
	23D33	5.2	025	C	C		3314000	F	
	23C33	8.4	040	C	C		3314000	F	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		27B17	7.2	050	L	.	2841980	F	
		25C26	34.3T	055	T	T	3314000	F	
NCOND1									
3314010		32F18	13.9	008	S	I	3314012	J	
		05F27	17.2	010	S	-BCR	3314010	A	
		21D40	31.1T	015	L	.	3314000	A	
COND2									
3314100		21D19	8.1	010	S	I	3314100	A	
		17E31	.5	020	L	.	3060257	A	
		16E31	8.6T	025	T	T	3314100	A	
NCOND2									
3314110		28F34	11.5	005	S	I	3314115	X	
		05F34	21.1	010	S	-BCR	3314110	A	
		21D03	32.6T	015	L	.	3314100	A	
CROSS									
3315100		07R28	10.5	010	S	I	3315100	A	
		21S03	.6	020	L	.	3315134	A	
		21S08	1.0	030	L	.	3840102	A	
		19S08	12.1T	035	T	T	3315100	A	
NCROSS									
3315110		12S25	8.0	010	S	I	3315110	A	
		07R21	19.1	020	L	.	3315100	A	
		22T38	10.9	050	L	.	8010700	A	
		20R46	38.0T	055	T	T	3315110	F	
CROSSADD									
3315120		03R14	.2	010	S	B	3315121	A	
		03R15	.7	020	S	B	3315120	A	
		03R25	.9	030	L	.	3315150	A	
		03R34	.2	040	S	B	3315122	A	
		03R35	.3	050	S	B	3315123	A	
		03R36	9.2	060	S	B	3315124	A	
		12S27	1.1	070	L	.	3315110	A	
		14S22	4.4	075	L	.	3315130	A	
		14T09	.2	080	L	.	2055010	C	
		14T08	17.2T	090	L	.	8010502	F	
NCROSSADD									
3315130		14S27	4.2	010	S	I	3315130	A	
		21S38	1.0	020	L	.	6190202	A	
		19S38	5.2T	025	T	T	3315130	A	
NCROSCL									
3315132		30S12	8.7	010	S	I	3315132	A	
		32T43	.5	020	L	.	3241005	A	
		31T43	1.1	030	L	.	3241000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		29T41	1.0	040	L	.	3201012	A	
		27T41	1.0	050	L	.	3201006	A	
		25T41	8.1	060	L	.	3201000	A	
		27S12	20.4T	065	T	T	3315132	A	
CROSSD									
3315134	11S26	1.6	010	T	T		3315134	A	
	14S24	4.3	020	L	.		3315136	A	
	21S17	.3	030	L	.		3315134	A	
	21S14	6.2T	035	S	FB		3315134	A	
NCROSSD									
3315136	14S26	10.5	010	S	I		3315136	A	
	03R27	2.8	020	L	.		3315150	A	
	06R06	13.3T	025	T	T		3315136	A	
CROSSDCL									
3315140	19S02	1.0	010	T	T		3315140	A	
	21S02	9.1	020	L	.		3315134	A	
	24T34	10.1T	025	S	-BDS		3315140	A	
CROSSEN									
3315150	03R33	.8	010	S	B		3315150	A	
	03R40	15.9	020	L	.		3315160	A	
	14T37	15.6	025	L	.		5153252	J	
	30S05	8.5	030	L	.		3315132	A	
	24R01	5.2	040	C	C		3315150	A	
	24Q01	2.3	050	C	C		3315150	A	
	26P50	3.8	060	L	.		1313701	A	
	26P03	4.0	070	L	.		1283702	A	
	28N33	6.1	080	L	.		6030100	A	
	16N35	.5	090	L	.		1293701	A	
	15N35	9.6	100	L	.		1303701	A	
	09P50	8.5	110	L	.		5917200	A	
	20P13	6.0	113	L	.		3315154	F	
	13P47	86.8T	115	T	T		3315150	A	
NCROSSEN									
3315154	20P15	14.1	010	S	I		3315154	F	
	01Q07	1.5	020	L	.		7430114	F	
	01Q27	4.1	030	L	.		7430112	F	
	01P44	19.7T	040	T	T		3315154	F	
CROSSEN									
3315160	28K40	.6	010	T	T		3315160	A	
	27K38	.4	020	L	.		3404000	A	
	27K44	15.9	030	L	.		3404100	A	
	10M07	5.2	040	C	C		3315160	A	
	10N07	1.7	050	C	C		3315160	A	
	07N06	1.5	060	L	.		3404300	A	
	07N26	13.5	070	L	.		3404200	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
3404100	27K36	11.3	010	S	B		3404100	A	
	25M37	.5	020	L	.		1080502	A	
	26M37	.5	030	L	.		1100502	A	
	27M37	.5	040	L	.		1120502	A	
	28M37	1.0	050	L	.		1140502	A	
	30M37	13.8T	055	T	T		3404100	A	
CXRR-2									
3404200	01P37	.5	010	T	T		3404200	A	
	02P37	.5	020	L	.		1160502	A	
	03P37	.5	030	L	.		1180502	A	
	04P37	.5	040	L	.		1200502	A	
	05P37	6.5	050	L	.		1220502	A	
	07N33	8.5T	055	S	B		3404200	A	
CXRR-3									
3404300	07N12	14.6	010	S	B		3404300	A	
	02Q37	.5	020	L	.		1240502	A	
	03Q37	.5	030	L	.		1260502	A	
	04Q37	.5	040	L	.		1280502	A	
	05Q37	.9	050	L	.		1300502	A	
	06Q43	17.0T	055	T	T		3404300	A	
CXS/0									
3405000	24L31	.5	010	T	T		3405000	A	
	25L31	.5	020	L	.		1000500	A	
	26L31	.5	030	L	.		1020500	A	
	27L31	.5	040	L	.		1040500	A	
	28L31	5.6	050	L	.		1060500	A	
	27K33	7.6T	055	S	B		3405000	A	
CXS/1									
3405100	27K12	12.6	010	S	B		3405100	A	
	25M31	.5	020	L	.		1080500	A	
	26M31	.5	030	L	.		1100500	A	
	27M31	.5	040	L	.		1120500	A	
	28M31	1.0	050	L	.		1140500	A	
	30M31	15.1T	055	T	T		3405100	A	
NCXS									
3405110	22L14	.0T	005	S	FF		3405110	A	I
CXS									
3405111	22L12	6.7	010	S	NFF		3405111	A	
	27K26	1.5	020	L	.		3405000	A	
	27K06	14.2	030	L	.		3405100	A	
	24M39	5.2	040	C	C		3405111	A	
	24N39	8.5	050	C	C		3405111	A	
	07N39	.3	060	L	.		3405300	A	
	07N40	12.2	070	L	.		3405200	A	
	10Q41	5.2	080	C	C		3405111	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		10R41	15.6	090	C	C	3405111	A	
		22T29	6.4	100	L	.	3563200	A	
		27S47	75.8T	105	T	T	3405111	A	
3405112-1	22L11	.0T	010	S	+		3405112	C	I
N(S/CXS)									
3405150	27B33	13.3	010	S	I		3405164	A	
	10C24	11.6	020	S	I		3405154	A	
	10A13	1.6	030	S	I		3405150	A	
	07A15	3.6	040	S	I		3405162	A	
	01A08	15.5	050	C	C		3405150	A	
	32K08	11.1	060	C	C		3405150	A	
	22L20	5.3	070	L	.		3405112	A	
	22M19	62.0T	075	T	T		3405150	A	
CXS-2									
3405200	01P31	.5	010	T	T		3405200	A	
	02P31	.5	020	L	.		1160500	A	
	03P31	.5	030	L	.		1180500	A	
	04P31	.5	040	L	.		1200500	A	
	05P31	4.8	050	L	.		1220500	A	
	07N46	6.8T	055	S	B		3405200	A	
CXS-3									
3405300	07N45	11.9	010	S	B		3405300	A	
	02Q31	.5	020	L	.		1240500	A	
	03Q31	.5	030	L	.		1260500	A	
	04Q31	.5	040	L	.		1280500	A	
	05Q31	.4	050	L	.		1300500	A	
	06Q28	13.8T	055	T	T		3405300	A	
ND0003XZ									
3510100	25E15	12.5	010	S	I		3510100	A	
	02E01	14.5	020	C	C		3510100	A	
	31P01	8.1	030	C	C		3510100	A	
	21P43	5.8	040	L	.		3900130	A	
	28P08	40.9T	045	T	T		3510100	A	
(NDO.SWO)									
3510315	11L35	2.5	010	S	B		3510315	A	
	07L30	4.2	020	L	.		1012622	A	
	01L14	6.7T	025	T	T		3510315	A	
ND0815XZ									
3510815	27E34	12.3	010	S	I		3510815	A	
	02E35	14.5	020	C	C		3510815	A	
	31P35	7.1	030	C	C		3510815	A	
	21P08	.6	040	L	.		3900120	A	
	22P06	34.5T	045	T	T		3510815	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
(D1.SW0)									
3511100	24K06	15.2	010	S	B		3511100	A	
	07L26	8.5	020	L	.		1002622	A	
	11M41	23.7T	025	T	T		3511100	A	
N(ND12.ND13.D14)									
3511210	12A06	3.0	010	T	T		3511210	A	
	06A06	2.4	020	L	.		4321916	A	
	01A05	15.5	030	C	C		3511210	A	
	32K05	6.6	040	C	C		3511210	A	
	30L06	27.5T	045	S	I		3511210	A	
DAP									
3530400	08L27	8.2	010	S	-BCR		3530400	A	
	14K27	9.6	020	L	.		5156172	A	
	15M09	17.8T	025	L	.		3530450	A	
NDAP									
3530450	15M10	9.9	010	S	I		3530450	A	
	14K24	4.6	020	L	.		5156170	A	
	16L02	14.5T	025	T	T		3530450	A	
DARM-1									
3532000	20Q17	.9	010	S	B		3532000	A	
	19Q11	5.2	020	C	C		3532000	A	
	19R11	3.6	030	C	C		3532000	A	
	26R09	.5	040	L	.		1022664	A	
	27R09	.5	050	L	.		1042664	A	
	28R09	7.2	060	L	.		1062664	A	
	24S09	.5	070	L	.		3532030	A	
	24S12	18.4T	075	L	.		3532020	A	
DARM-2									
3532020	24S11	7.9	010	S	B		3532020	A	
	29R09	.5	020	L	.		1082664	A	
	30R09	6.4	030	L	.		1102664	A	
	27S05	14.8T	035	T	T		3532020	A	
DARM-3									
3532030	24S10	9.1	010	S	B		3532030	A	
	31R09	.5	020	L	.		1122664	A	
	32R09	7.8	030	L	.		1142664	A	
	27S06	17.4T	035	T	T		3532030	A	
DASW4									
3532500	21D14	2.6	010	L	.		8051022	A	
	25D09	2.6	020	L	.		7410834	A	
	25D40	2.5	030	L	.		7410282	A	
	29D37	7.8	040	L	.		3532504	A	
	23E28	.5	050	L	.		5156732	A	
	23E33	1.1	060	L	.		7890532	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	25E28	.5	070	L	.		7890826	A	
	25E33	.8	080	L	.		7890746	A	
	25E40	.1	090	L	.		7410230	A	
	25E42	.1	100	L	.		7410232	A	
	25E44	4.5	110	L	.		7890744	A	
	21F11	1.9	120	L	.		3532540	A	
	21F37	3.5	122	L	.		5151150	B	
	17F17	28.5T	125	S	B		3532500	A	
DASH4-1 3532504	29D36	3.3	010	S	B		3532504	A	
	29E09	2.9	020	L	.		7890440	A	
	29E44	.9	030	L	.		7890844	A	
	28E38	4.5	040	L	.		2843858	A	
	27F25	1.8	050	L	.		5156520	A	
	26F43	13.4T	065	T	T		3532504	A	
(DASH4. IODC) 3532540	21F01	9.7	010	S	B		3532540	A	
	19D25	5.2	020	C	C		3532540	A	
	19C25	7.7	030	C	C		3532540	A	
	15B20	.5	040	L	.		2405404	A	
	16B20	23.1T	045	T	T		3532540	A	
DATAIN 3533100	16F45	2.9	010	S	B		3533100	A	
	15F13	3.2	020	L	.		8133102	A	
	17F43	4.7	030	L	.		8133002	A	
	21F07	10.6	040	L	.		5156860	A	
	25D28	1.8	050	L	.		7901554	A	
	24D10	8.1	060	L	.		3533150	A	
	09D18	.5	070	L	.		6942400	A	
	09D23	3.3	080	L	.		6825340	A	
	06D44	1.3	090	L	.		2010102	A	
	04D40	.1	100	L	.		2400440	A	
	04D38	2.7	110	L	.		2400410	A	
	04D02	.4	120	L	.		2400542	A	
	03D05	5.2	130	C	C		3533100	A	
	03C05	11.2	140	C	C		3533100	A	
	07A18	3.0	150	L	.		3405162	A	
	02A09	14.5	160	C	C		3533100	A	
	31K09	15.8	170	C	C		3533100	A	
	12L20	.5	180	L	.		5151038	A	
	12L25	9.0	190	L	.		1090362	A	
	23K44	98.8T	195	T	T		3533100	B	
(DATAIN.NSW4) 3533150	24D01	3.5	010	S	B		3533150	A	
	24D44	8.9	025	L	.		3533160	C	
	14E26	1.4	030	L	.		6825342	A	
	14E43	10.2	040	L	.		6942406	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04D43	.7	060	L	.		2400442	A	
	04D33	.5	070	L	.		2400412	A	
	04D28	.9	080	L	.		2400544	A	
	04D19	2.0	085	L	.		7900077	C	
	07D28	5.2	090	C	C		3533150	A	
	07C28	14.5	100	C	C		3533150	A	
	32C05	9.9	110	L	.		6038030	A	
	22B09	57.7T	115	T	T		3533150	A	
(DATAIN.NSW4.NB0)									
3533160	24D36	9.4	010	S	B		3533160	C	
	06D42	9.4T	020	L	.		2010104	C	
DATAOUT									
3533500	17F34	1.4	010	L	.		8133500	A	
	16F46	3.0	020	S	B		3533500	A	
	15F12	3.6	030	L	.		8133552	A	
	14E40	4.2	040	L	.		6942404	A	
	11F06	10.4	050	L	.		5151054	A	
	09D20	3.8	060	L	.		6942402	A	
	05D44	2.0	070	L	.		2400202	A	
	03D29	5.2	080	C	C		3533500	A	
	03C29	9.0	090	C	C		3533500	A	
	18C09	17.1	100	L	.		8010866	A	
	02A27	14.5	110	C	C		3533500	A	
	31K27	13.4	120	C	C		3533500	A	
	12L06	3.1	130	L	.		5151036	A	
	06L04	13.8	135	L	.		5151039	G	
	23K07	104.5T	145	T	T		3533500	B	
DCCL/1									
3563100	28K34	4.6	010	T	T		3563100	A	
	30L12	2.2	020	L	.		5054002	A	
	30L42	14.7	030	L	.		5054102	A	
	10M39	5.2	040	C	C		3563100	A	
	10N39	1.0	050	C	C		3563100	A	
	08N39	.5	060	L	.		5054202	A	
	08N42	13.7	070	L	.		5054302	A	
	19Q12	5.2	080	C	C		3563100	A	
	19R12	12.7	090	C	C		3563100	A	
	22T22	2.5	100	S	-BDS		3563102	A	
	24T02	62.3T	105	S	-IDS		3563100	A	
DCCL/2									
3563200	28K24	5.2	010	T	T		3563200	A	
	30L09	1.8	020	L	.		5054004	A	
	30L30	15.2	030	L	.		5054104	A	
	10M30	5.2	040	C	C		3563200	A	
	10N30	1.0	050	C	C		3563200	A	
	08N30	.7	060	L	.		5054304	A	
	08N40	14.1	070	L	.		5054204	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19Q13	5.2	080	C	C	3563200	A	
		19R13	13.0	090	C	C	3563200	A	
		22T27	.9	100	S	-BDS	3563200	A	
		23T18	62.3T	105	S	-IDS	3563202	A	
DCSTOP									
3567000	19A03	.4	010	S	B		3567000	A	
	19A09	8.3	020	L	.		3567000	A	
	24B18	1.9	025	L	.		3567040	D	
	21B24	7.0	030	L	.		5138932	A	
	09B09	1.5	040	L	.		5011103	A	
	06B09	19.1T	045	T	T		3567000	A	
NDCSTOP									
3567040	24B15	3.6	010	S	I		3567040	D	
	31B17	12.0	016	L	.		5121100	F	
	17A22	1.6	020	L	.		6821322	D	
	20A20	17.2T	030	T	T		3567040	D	
DCSTOP/1									
3567100	16B40	.5	010	T	T		3567100	A	
	17B40	15.3	020	L	.		3567110	A	
	02A06	14.5	030	C	C		3567100	A	
	31K06	27.0	040	C	C		3567100	A	
	01M26	21.0	050	C	C		3567100	A	
	01R26	3.1	060	C	C		3567100	A	
	05R15	81.4T	065	S	B		3567100	A	
DCSTOP/1-1									
3567110	17B46	9.1	010	S	B		3567110	A	
	19A11	3.6	020	L	.		3567010	A	
	12A13	12.7T	025	T	T		3567110	A	
DG									
3641100	24L18	2.4	010	T	T		3641100	A	
	20L12	.2	020	L	.		3403100	A	
	20L13	9.9	030	L	.		3403000	A	
	10M09	5.2	040	C	C		3641100	A	
	10N09	9.1	050	C	C		3641100	A	
	06P30	.2	060	L	.		3403200	A	
	06P31	12.1	070	L	.		3403300	A	
	19Q38	5.2	080	C	C		3641100	A	
	19R38	.5	090	C	C		3641100	A	
	18R38	44.8T	095	S	-BCR		3641100	A	
NDIOEXIT									
3650000	11B11	6.8	010	S	I		3650000	A	
	25B10	14.0	020	L	.		2841664	A	
	11C37	5.2	030	C	C		3650000	A	
	11D37	1.0	040	C	C		3650000	A	
	13D37	.5	050	L	.		7900065	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		12D37	27.5T	055	T	T	3650000	A	
NDIOFS 3651000	23A04	24.5	010	S	FF		3651000	A	
	01C44	31.2	020	C	C		3651000	A	
	32Q44	4.1	030	C	C		3651000	A	
	24Q46	5.2	040	C	C		3651000	A	
	24R46	13.8	050	C	C		3651000	A	
	17T44	5.8	060	L	.		3270254	A	
	19S50	84.6T	065	T	T		3651000	A	
DIOFS 3651002	23A05	12.2	010	S	NFF		3651002	A	
	02A24	14.5	020	C	C		3651002	A	
	31K24	12.6	030	C	C		3651002	A	
	24M09	5.2	040	C	C		3651002	A	
	24N09	7.8	050	C	C		3651002	A	
	24P43	3.9	060	L	.		1481520	A	
	24Q25	5.2	070	C	C		3651002	A	
	24R25	8.9	080	C	C		3651002	A	
	17S27	3.0	090	L	.		3270202	A	
	11S27	73.3T	095	T	T		3651002	A	
3651004-1	23A03	.0T	005	S	+		3651004	A	I
(S/DIOFS) 3651010	28B06	6.5	010	S	B		3651010	A	
	23A22	2.1	020	L	.		3651006	A	
	26A30	8.6T	025	T	T		3651010	A	
DIOT1 3651100	23A27	1.2	010	S	FF		3651100	A	
	23A43	1.2T	015	L	.		3651114	A	
3651104-1	23A50	.0T	005	S	+		3651104	A	I
3651114-1	23A46	.0T	005	S	+		3651114	A	I
NDIOT3 3651122	23A29	1.2	010	S	NFF		3651122	A	
	23A45	1.2T	015	L	.		3651106	A	
3651124-1	23A41	.0T	005	S	+		3651124	A	I
DIOEXIT 3651130	23A28	.3	010	S	-CON		3651130	A	
	23A31	.4	020	S	-CON		3651132	A	
	23A25	10.5	030	L	.		3651204	A	
	11B12	9.8	040	L	.		3650000	A	
	03C23	5.2	050	C	C		3651130	A	
	03D23	10.0	060	C	C		3651130	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
3689010	11M10	1.4	010	T	T		3689010	A	
	08M09	.4	020	L	.		1151517	A	
	08M15	.8	030	L	.		1141517	A	
	08M22	.2	040	L	.		1131517	A	
	08M23	1.4	050	L	.		1121517	A	
	08M38	.1	060	L	.		1111517	A	
	08M40	.3	070	L	.		1101517	A	
	08M44	.2	080	L	.		1091517	A	
	08M45	10.3	090	L	.		1081517	A	
	29M44	5.2	100	C	C		3689010	A	
	29N44	6.4	110	C	C		3689010	A	
	27P46	26.7T	115	S	I		3689010	A	
D10X-2 3689020	27P47	5.4	010	S	I		3689020	A	
	21Q09	.4	020	L	.		1231517	A	
	21Q15	.8	030	L	.		1221517	A	
	21Q22	.2	040	L	.		1211517	A	
	21Q23	1.4	050	L	.		1201517	A	
	21Q38	.1	060	L	.		1191517	A	
	21Q40	.3	070	L	.		1181517	A	
	21Q44	.2	080	L	.		1171517	A	
	21Q45	8.8T	085	L	.		1161517	A	
D10X-3 3689030	27P50	2.9	010	S	I		3689030	A	
	25Q09	.4	020	L	.		1311517	A	
	25Q15	.8	030	L	.		1301517	A	
	25Q22	.2	040	L	.		1291517	A	
	25Q23	1.4	050	L	.		1281517	A	
	25Q38	.1	060	L	.		1271517	A	
	25Q40	.3	070	L	.		1261517	A	
	25Q44	.2	080	L	.		1251517	A	
	25Q45	6.3T	085	L	.		1241517	A	
ND10XB 3689200	16A26	15.2	010	S	I		3689200	A	
	03C02	5.2	020	C	C		3689200	A	
	03D02	3.8	030	C	C		3689200	A	
	01D43	15.5	040	C	C		3689200	A	
	32N43	5.0	050	C	C		3689200	A	
	27P07	.3	060	L	.		3689213	A	
	27P08	.2	070	L	.		3689212	A	
	27P09	.1	080	L	.		3689230	A	
	27P11	.5	090	L	.		3689220	A	
	28P11	45.8T	095	T	T		3689200	A	
D10XB-12 3689212	27P04	5.7	010	S	I		3689212	A	
	27Q09	.4	020	L	.		1391517	A	
	27Q15	.8	030	L	.		1381517	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		27Q22	.2	040	L	.	1371517	A	
		27Q23	1.4	050	L	.	1361517	A	
		27Q38	.1	060	L	.	1351517	A	
		27Q40	.3	070	L	.	1341517	A	
		27Q44	.2	080	L	.	1331517	A	
		27Q45	9.1T	085	L	.	1321517	A	
D10XB-13 3689213		27P03	6.2	010	S	I	3689213	A	
		28Q09	.4	020	L	.	1471517	A	
		28Q15	.8	030	L	.	1461517	A	
		28Q22	.2	040	L	.	1451517	A	
		28Q23	1.4	050	L	.	1441517	A	
		28Q38	.1	060	L	.	1431517	A	
		28Q40	.3	070	L	.	1421517	A	
		28Q44	.2	080	L	.	1411517	A	
		28Q45	9.6T	085	L	.	1401517	A	
D10XB-2 3689220		27P01	6.2	010	S	I	3689220	A	
		27Q10	1.9	020	L	.	1361512	A	
		27Q36	8.1T	025	L	.	1321512	A	
D10XB-3 3689230		27P02	6.3	010	S	I	3689230	A	
		28Q10	1.9	020	L	.	1441512	A	
		28Q36	8.2T	025	L	.	1401512	A	
D10XD10-0 3689300		11M11	2.2	010	T	T	3689300	A	
		07M10	1.9	020	L	.	1041512	A	
		07M36	11.2	030	L	.	1001512	A	
		29M37	5.2	040	C	C	3689300	A	
		29N37	5.1	050	C	C	3689300	A	
		27P18	25.6T	055	S	I	3689300	A	
D10XD10-1 3689310		11M12	1.6	010	T	T	3689310	A	
		08M10	1.9	020	L	.	1121512	A	
		08M36	10.8	030	L	.	1101512	A	
		29M35	5.2	040	C	C	3689310	A	
		29N35	5.0	050	C	C	3689310	A	
		27P19	24.5T	055	S	I	3689310	A	
D10XD10-2 3689320		27P20	7.5	010	S	I	3689320	A	
		21Q10	1.9	020	L	.	1201512	A	
		21Q36	9.4T	025	L	.	1161512	A	
D10XD10-3 3689330		27P21	5.7	010	S	I	3689330	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		25Q10	1.9	020	L	.	1281512	A	
		25Q36	7.6T	025	L	.	1241512	A	
NDIOXD10 3689332	11B41	7.6	010	S	I		3689332	A	
	01C02	31.2	020	C	C		3689332	A	
	32Q02	6.5	030	C	C		3689332	A	
	27P17	1.9	040	L	.		3689300	A	
	27P43	.6	050	L	.		3689000	A	
	28P45	47.8T	055	T	T		3689332	A	
NDIOXS 3689395	07B15	7.3	010	S	I		3689395	A	
	01C03	31.2	020	C	C		3689395	A	
	32Q03	5.5	030	C	C		3689395	A	
	27P34	.5	040	L	.		3689400	A	
	27P39	.3	050	L	.		3689000	A	
	27P40	.2	060	L	.		3689010	A	
	27P41	.3	070	L	.		3689020	A	
	27P42	.8	080	L	.		3689030	A	
	28P38	46.1T	085	T	T		3689395	A	
DIOXS-0 3689400	11M29	2.5	010	T	T		3689400	A	
	06M29	.4	020	L	.		1141513	A	
	06M35	.6	030	L	.		1001513	A	
	06M43	11.9	040	L	.		1031513	A	
	29M34	5.2	050	C	C		3689400	A	
	29N34	5.7	060	C	C		3689400	A	
	27P31	26.3T	065	S	I		3689400	A	
DIOXS-1 3689410	11M07	2.5	010	T	T		3689410	A	
	06M07	.6	020	L	.		1101513	A	
	06M15	12.5	030	L	.		1111513	A	
	29M29	5.2	040	C	C		3689410	A	
	29N29	6.6	050	C	C		3689410	A	
	27P30	27.4T	055	S	I		3689410	A	
DIOXS-2 3689420	27P29	7.2	010	S	I		3689420	A	
	23Q29	.4	020	L	.		1221513	A	
	23Q35	.6	030	L	.		1161513	A	
	23Q43	8.2T	035	L	.		1191513	A	
DIOXS-3 3689430	24P20	2.1	010	L	.		7501540	A	
	27P28	5.4	020	S	I		3689430	A	
	23Q07	.6	030	L	.		1241513	A	
	23Q15	8.1T	035	L	.		1271513	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
DIS									
3690100	15L45	.6	010	S	I		3690100	A	
	15L38	4.7	020	L	.		3690130	A	
	13M21	15.6	030	L	.		4395460	A	
	27K42	.3	040	L	.		3690160	A	
	27K41	11.6	050	L	.		3690150	A	
	32M23	25.0	060	C	C		3690100	A	
	03E23	3.9	070	C	C		3690100	A	
	08E44	3.6	080	L	.		7900454	A	
	15E42	11.0	090	L	.		7901002	A	
	31F12	.5	100	L	.		3690138	A	
	31F09	2.8	110	L	.		3690134	A	
	26F10	79.6T	115	T	T		3690100	A	
NDIS									
3690105	19N15	3.4	010	T	T		3690105	A	
	25N09	16.2	020	L	.		3690120	A	
	06P29	13.8	030	L	.		4900570	A	
	25N38	14.1	040	L	.		7829102	A	
	06P33	7.9	050	L	.		6911770	A	
	10Q44	5.2	060	C	C		3690105	A	
	10R44	11.2	070	C	C		3690105	A	
	16T14	71.8T	075	S	I		3690105	A	
NDIS-2									
3690120	24L22	2.1	010	T	T		3690120	A	
	20L20	1.4	020	L	.		4900550	A	
	19L08	.4	030	L	.		6911360	A	
	18L07	4.2	040	L	.		6911762	A	
	15L43	8.7	050	L	.		3690100	A	
	05M23	5.2	060	C	C		3690120	A	
	05N23	1.9	070	C	C		3690120	A	
	08N29	9.6	080	L	.		6911190	A	
	25N10	33.5T	085	S	B		3690120	A	
NDIS-3									
3690130	15L41	2.7	010	S	I		3690130	A	
	18L25	.9	020	L	.		6911372	A	
	18L37	.4	030	L	.		6911180	A	
	18L43	.9	040	L	.		6911580	A	
	19L50	2.3	050	L	.		6911150	A	
	20L29	5.6	060	L	.		6911740	A	
	22M22	12.8T	065	T	T		3690130	A	
NDIS-4									
3690134	26D04	.5	010	T	T		3690134	A	
	25D04	.8	020	L	.		7901550	A	
	25D13	1.0	030	L	.		7901552	A	
	25D27	11.3	040	L	.		7901554	A	
	15E41	8.2	050	L	.		7901000	A	
	21F41	7.0	060	L	.		7500770	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	31F10	28.8T	065	S	I		3690134	A	
NDIS-5 3690138	16E29	2.0	010	T	T		3690138	A	
	12E29	1.2	020	L	.		7904500	A	
	12E45	.1	030	L	.		7904502	A	
	12E43	2.3	040	L	.		7904502	A	
	08E39	.4	050	L	.		7900452	A	
	08E33	5.0	060	L	.		7900454	A	
	09D43	12.9	070	L	.		7900450	A	
	30D11	11.0	080	L	.		4395850	A	
	31F11	34.9T	085	S	I		3690138	A	
(DIS.NKSXA) 3690150	27K46	6.2	010	S	B		3690150	A	
	19L09	2.4	020	L	.		6911362	A	
	19L38	.1	030	L	.		6911174	A	
	19L40	8.2	040	L	.		6911182	A	
	10M20	5.2	050	C	C		3690150	A	
	10N20	1.9	060	C	C		3690150	A	
	13N14	3.2	070	L	.		6911192	A	
	08N03	.1	080	L	.		6911382	A	
	08N01	27.3T	085	L	.		6911392	A	
(DIS.NKSXD) 3690160	27K45	8.3	010	S	B		3690160	A	
	19L33	8.3	020	L	.		6911174	A	
	10M10	5.2	030	C	C		3690160	A	
	10N10	1.6	040	C	C		3690160	A	
	13N08	2.6	050	L	.		6911192	A	
	08N13	26.0T	055	L	.		6911592	A	
DIT/1 3691000	32E17	.5	010	S	B		3691000	A	
	31E17	.9	020	S	I		3691002	A	
	31E06	7.0	030	S	I		3691004	A	
	22D41	11.6	040	L	.		6041104	A	
	01D28	15.5	050	C	C		3691000	A	
	32N28	18.4	060	C	C		3691000	A	
	29K12	21.3	065	L	.	11	1000138	U	
	20N26	.1	070	L	.	11	7900302	U	
	20N28	4.1	080	L	.		7900300	A	
	19P06	1.7	090	L	.		7900404	A	
	19P27	1.5	100	L	.		7900402	A	
	22P27	82.6T	105	T	T		3691000	A	
(DIT(MC=30)) 3691100	07N10	.5	010	L	.		3699100	A	
	07N15	14.2	020	S	B		3691100	A	
	21P41	14.7T	025	L	.		3060240	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
DIVOVER									
3699100	25C39	8.2	010	T	T		3699100	A	
	26B02	14.5	020	L	.		2842074	C	
	02A38	14.5	030	C	C		3699100	A	
	31K38	21.2	040	C	C		3699100	A	
	10M45	5.2	050	C	C		3699100	A	
	10N45	4.8	060	C	C		3699100	A	
	07N01	68.4T	065	S	B		3699100	A	
DL1/000									
3740000	19T46	2.6	010	S	-DL		3740000	A	
	23T41	.3	020	L	*		3740004	A	
	23T42	2.9T	025	L	*		2062820	A	
DL1/000S									
3740004	23T34	2.4	010	S	-BDS		3740004	A	
	18T37	2.0	020	L	.		3740102	A	
	22T37	4.4T	025	T	T		3740004	A	
DL1/040									
3740010	19T47	2.2	010	S	-DL		3740010	A	
	23T40	2.2T	015	L	*		2062822	A	
DL1/050									
3740020	19T37	2.4	010	S	-DL		3740020	A	
	23T44	2.4T	015	L	*		2062870	A	
DL1/060									
3740030	19T31	2.9	010	S	-DL		3740030	A	
	23T43	2.9T	015	L	*		3740034	A	
DL1/060S									
3740034	23T26	6.1	010	S	-BDS		3740034	A	
	22S19	2.3	020	L	.		4392655	A	
	19S10	8.4T	025	T	T		3740034	A	
DL1/080									
3740040	19T34	2.9	010	S	-DL		3740040	A	
	23T46	2.9T	015	L	*		3740044	A	
DL1/080S									
3740044	22T41	2.5	010	T	T		3740044	A	
	18T36	.1	020	L	.		3740102	A	
	18T38	5.4	030	L	.		3740102	A	
	23T03	8.0T	035	S	-IDS		3740044	A	
DL1/160									
3740049	19T18	3.6	010	S	-DL		3740049	D	
	22T46	3.6T	020	L	.		3563200	D	
DL1/170									



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-3740160
 TYPE-PINLIST

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 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
3740160	20T17	2.2	010	S	-DL		3740160	A	
	22T01	2.2T	015	L	.		3563102	A	
DL2/200									
3740170	20T25	2.6	010	S	-DL		3740170	D	
	22T47	2.6T	015	L	.		8010000	A	
DL2/230									
3740180	20T02	5.1	010	S	-DL		3740180	A	
	24T44	5.1T	015	L	*		3563100	A	
3740200-1	20T15	.0T	005	S	+		3740200	A	I
DL3/000									
3740230	21T46	1.8	010	S	-DL		3740230	A	
	24T45	.1	020	L	*		3740234	A	
	24T47	1.9T	025	L	*		4381100	A	
DL3/000S									
3740234	24T28	4.2	010	S	-BDS		3740234	A	
	18T44	4.8	020	L	.		3740302	A	
	22T06	9.0T	025	T	T		3740234	A	
DL3/040									
3740240	21T47	3.1	010	S	-DL		3740240	A	
	24T22	3.1T	015	L	*		2062856	A	
DL3/050									
3740250	21T37	2.0	010	S	-DL		3740250	A	
	24T46	2.0T	015	L	*		4381102	A	
DL3/080									
3740260	21T34	2.5	010	S	-DL		3740260	A	
	24T20	.2	020	L	*		3740264	A	
	24T21	2.7T	025	L	*		2062858	A	
DL3/080S									
3740264	24T18	4.7	010	S	-IDS		3740264	A	
	18T45	4.8	020	L	.		3740302	A	
	22T04	9.5T	025	T	T		3740264	A	
DL3/150									
3740266	21T21	1.6	010	S	-DL		3740266	A	
	24T23	1.6T	015	L	*		2162100	A	
DL3/300									
3740270	21T11	2.3	010	S	-DL		3740270	A	
	24T24	2.3T	015	L	*		2089300	A	
3740300-1	18T33	2.8	010	S	+		3740300	A	
	21T15	2.8T	015	S	+		3740300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
DM									
3800000	18S04	5.9	010	S	FF		3800000	A	
	10R47	5.2	020	C	C		3800000	A	
	10Q47	10.7	030	C	C		3800000	A	
	10N46	5.2	040	C	C		3800000	A	
	10M46	3.8	050	C	C		3800000	A	
	03M50	4.3	060	L	.		1100118	A	
	11M46	35.1T	065	T	T		3800000	A	
NDM									
3800002	18S05	.0T	005	S	NFF		3800002	A	I
3800004-1	18S03	.0T	005	S	+		3800004	A	I
DOR									
3811000	26F05	2.7	010	T	T		3811000	A	
	21F04	11.6	020	L	.		3811150	A	
	28D39	6.4	030	L	.		7890230	A	
	21D02	14.8	040	L	.		3811100	A	
	03E10	25.0	050	C	C		3811000	A	
	32M10	15.1	060	C	C		3811000	A	
	08L38	75.6T	065	S	-BCR		3811000	A	
NDOR									
3811100	21D05	4.1	010	S	I		3811100	A	
	13D03	8.0	020	L	.		3060154	A	
	24D38	9.1	030	L	.		3811170	A	
	21F03	2.6	040	L	.		3811160	A	
	26F06	23.8T	045	T	T		3811100	A	
(DOR.IOR)									
3811150	16B06	.5	010	T	T		3811150	A	
	15B06	1.4	020	L	.		7430202	A	
	15B23	7.6	030	L	.		2405402	A	
	16C50	5.2	040	C	C		3811150	A	
	16D50	3.0	050	C	C		3811150	A	
	22D50	4.0	060	L	.		2843854	A	
	23E25	5.3	070	L	.		5156730	A	
	21F13	27.0T	075	S	B		3811150	A	
(NDOR.IOR)									
3811160	21F02	3.4	010	S	B		3811160	A	
	27F08	12.8	020	L	.		5156630	A	
	19D30	5.2	030	C	C		3811160	A	
	19C30	8.1	040	C	C		3811160	A	
	21B09	.3	050	L	.		6196302	A	
	22B08	29.8T	055	T	T		3811160	A	
(NDOR.NIOR)									
3811170	24D35	13.4	010	S	B		3811170	A	
	07E31	13.4T	015	L	.		7901606	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
(R/DPL)									
3823100	19S19	7.2	010	T	T		3823100	A	
	23T19	4.1	020	S	-IDS		3823100	A	
	15T21	.5	030	L	.		8010720	A	
	15T24	.7	040	L	.		8010520	A	
	15T14	.6	045	L	.		8010540	A	
	15T09	13.1T	050	L	.		2055000	C	
DR/1									
3840100	20R44	2.6	010	T	T		3840100	A	
	21S01	1.7	020	L	.		3315134	A	
	21S20	.9	030	L	.		3840100	A	
	21S31	6.1	040	L	.		3240100	A	
	30S06	5.7	050	L	.		3315132	A	
	21S22	17.0T	055	S	FB		3840100	A	
DR									
3840110	15S10	3.6	010	S	-BCR		3840110	A	
	21S05	3.1	030	L	.		3840100	A	
	21S47	6.7T	035	L	.		3240100	A	
DRQ									
3846000	18S27	1.7	010	S	FF		3846000	F	
	20S14	1.7	020	L	.		3846030	F	
	21S29	.9	030	L	.		3240100	F	
	21S41	3.8	040	L	.		3240102	F	
	20T12	3.1	050	L	.		3740200	F	
	14T14	6.0	060	L	.		8010502	F	
	16S21	9.5	070	L	.		3846015	F	
	05R37	2.2	080	L	.		6192050	F	
	06R10	28.9T	085	T	.		3846000	F	
NDRQ									
3846001	18S28	4.6	010	S	NFF		3846001	A	
	20T06	3.0	015	L	.		3740200	F	
	21S42	4.7	020	L	.		3240102	A	
	16T05	12.3T	025	L	.		3846025	A	
3846002-1	18S50	.0T	005	S	+		3846002	A	I
(S/DRQ)									
3846014	21C38	5.9	010	S	I		3846014	A	
	31C29	5.2	020	C	C		3846014	A	
	31D29	26.0	030	C	C		3846014	A	
	03F46	25.0	040	C	C		3846014	A	
	32S46	6.8	050	C	C		3846014	A	
	18S47	8.0	060	L	.		3846002	A	
	20R20	76.9T	065	T	T		3846014	A	
DRQ-1									
3846015	26F13	1.7	010	T	T		3846013	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	24F23	.2	020	L	.		6038057	A	
	24F22	.8	030	L	.		6038207	A	
	24F15	.4	040	L	.		6038407	A	
	24F09	10.0	050	L	.		6038607	A	
	23D24	5.2	060	C	C		3846013	A	
	23C24	11.1	070	C	C		3846013	A	
	01C21	31.2	080	C	C		3846013	A	
	32Q21	5.5	090	C	C		3846013	A	
	24Q38	5.2	100	C	C		3846013	A	
	24R38	8.5	110	C	C		3846013	A	
	16S28	79.8T	115	S	B		3846013	A	
N(S/DRQ/2)									
3846016	13C06	3.9	010	S	I		3846019	A	
	18C23	2.6	020	S	I		3846016	A	
	21C40	2.3	030	L	.		3846014	A	
	25C44	8.8T	035	T	T		3846016	A	
DRQ/1									
3846020	19S26	1.5	010	T	T		3846020	A	
	22S26	1.1	020	L	.		3846020	A	
	22S39	.8	030	L	.		2089350	A	
	22S46	3.4T	035	S	FB		3846020	A	
(DRQ+RESET)									
3846025	16T12	6.3	010	S	I		3846025	A	
	18S15	3.5	020	L	.		6192007	A	
	11S15	9.8T	025	T	T		3846025	A	
DRQAC									
3846030	20S06	1.4	010	S	I		3846030	A	
	21S18	3.5	020	L	.		3840100	A	
	27S23	4.9T	025	T	T		3846030	A	
NDX									
3900100	24P06	.3	010	S	B		3900100	A	
	24P10	1.8	020	S	B		3900104	A	
	20P11	1.2	030	S	I		3900102	A	
	19P21	2.0	040	L	.		3900150	A	
	21P04	2.5	050	L	.		3900120	A	
	21P38	5.8	060	L	.		3900130	A	
	29P14	5.8	070	L	.		3900140	A	
	29N06	5.2	080	C	C		3900100	A	
	29M06	5.9	090	C	C		3900100	A	
	30L04	4.6	100	L	.		3900110	A	
	24L26	35.1T	105	T	T		3900100	A	
DX/08									
3900110	24L05	1.6	010	T	T		3900110	A	
	27L07	.5	020	L	.		1041330	A	
	28L07	1.7	030	L	.		1061330	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		30L18	3.8T	035	S	I	3900110	A	
DX/1 3900120		22M07	1.5	010	T	T	3900120	A	
		25M07	.5	020	L	.	1081330	A	
		26M07	.5	030	L	.	1101330	A	
		27M07	.5	040	L	.	1121330	A	
		28M07	.5	050	L	.	1141330	A	
		29M07	5.2	060	C	C	3900120	A	
		29N07	9.7	070	C	C	3900120	A	
		21P13	18.4T	075	S	I	3900120	A	
DX/0A 3900130		24L04	.8	010	T	T	3900130	A	
		25L07	.5	020	L	.	1001330	A	
		26L07	1.5	030	L	.	1021330	A	
		29L07	5.6	040	L	.	1001257	A	
		29M08	5.2	050	C	C	3900130	A	
		29N08	11.0	060	C	C	3900130	A	
		21P35	24.6T	065	S	I	3900130	A	
DX/2 3900140		01P21	1.5	010	T	T	3900140	A	
		02P07	.5	020	L	.	1161330	A	
		03P07	.5	030	L	.	1181330	A	
		04P07	.5	040	L	.	1201330	A	
		05P07	11.8	050	L	.	1221330	A	
		29P06	14.8T	055	S	I	3900140	A	
DX/3 3900150		01P50	2.6	010	T	T	3900150	A	
		02Q07	.5	020	L	.	1241330	A	
		03Q07	.5	030	L	.	1261330	A	
		04Q07	.5	040	L	.	1281330	A	
		05Q07	11.4	050	L	.	1301330	A	
		19P14	15.5T	055	S	I	3900150	A	
NDXC 3900900		20E23	9.1	010	S	I	3900918	A	
		15F41	15.6	020	S	B	3900926	A	
		09D13	1.2	030	S	I	3900932	A	
		10D24	1.9	040	S	I	3900906	A	
		06D23	4.6	050	S	I	3900900	A	
		04E01	2.2	060	S	I	3900914	A	
		02E14	14.5	070	C	C	3900930	A	
		31P14	3.5	080	C	C	3900930	A	
		24P14	6.8	090	L	.	3900100	A	
		28N20	1.1	100	L	.	3901150	A	
		29N15	5.2	110	C	C	3900930	A	
		29M15	3.7	120	C	C	3900930	A	
		30L38	.3	130	L	.	3901010	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		30L37	3.0	140	L	.	3901000	A	
		24L37	72.7T	145	T	T	3900930	A	
DXC-0 3901000		24L03	.7	010	T	T	3901000	A	
		25L08	.5	020	L	.	1001310	A	
		26L08	.5	030	L	.	1021310	A	
		27L08	.5	040	L	.	1041310	A	
		28L08	3.1	050	L	.	1061310	A	
		30L36	5.3T	055	S	I	3901000	A	
DXC-1 3901010		22M08	1.5	010	T	T	3901010	A	
		25M08	.5	020	L	.	1081310	A	
		26M08	.5	030	L	.	1101310	A	
		27M08	.5	040	L	.	1121310	A	
		28M08	4.0	050	L	.	1141310	A	
		30L41	7.0T	055	S	I	3901010	A	
DXC-2 3901020		01P22	1.5	010	T	T	3901020	A	
		02P08	.5	020	L	.	1161310	A	
		03P08	.5	030	L	.	1181310	A	
		04P08	.5	040	L	.	1201310	A	
		05P08	16.0	050	L	.	1221310	A	
		28N18	19.0T	055	S	I	3901020	A	
DXC-3 3901030		01P47	2.7	010	T	T	3901030	A	
		02Q08	.5	020	L	.	1241310	A	
		03Q08	.5	030	L	.	1261310	A	
		04Q08	.5	040	L	.	1281310	A	
		05Q08	21.4	050	L	.	1301310	A	
		28N19	25.6T	055	S	I	3901030	A	
DXCL1-0 3901050		24L19	.6	010	T	T	3901050	A	
		25L14	.5	020	L	.	1001310	A	
		26L14	.5	030	L	.	1021310	A	
		27L14	.5	040	L	.	1041310	A	
		28L14	1.9	050	L	.	1061310	A	
		30L26	4.0T	055	S	I	3901050	A	
DXCL1-1 3901060		22M14	1.5	010	T	T	3901060	A	
		25M14	.5	020	L	.	1081310	A	
		26M14	.5	030	L	.	1101310	A	
		27M14	.5	040	L	.	1121310	A	
		28M14	5.7	050	L	.	1141310	A	
		30L25	8.7T	055	S	I	3901060	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
DXCL1-2									
3901070	01P23	.9	010	T	T		3901070	A	
	02P14	.5	020	L	.		1161310	A	
	03P14	.5	030	L	.		1181310	A	
	04P14	.5	040	L	.		1201310	A	
	05P14	16.9	050	L	.		1221310	A	
	28N15	19.3T	055	S	I		3901070	A	
DXCL1-3									
3901080	01P46	3.3	010	T	T		3901080	A	
	02Q14	.5	020	L	.		1241310	A	
	03Q14	.5	030	L	.		1261310	A	
	04Q14	.5	040	L	.		1281310	A	
	05Q14	22.5	050	L	.		1301310	A	
	28N11	27.3T	055	S	I		3901080	A	
NDXCL1									
3901100	28N01	.3	010	L	.		3901150	A	
	28N05	.8	020	S	I		3901100	A	
	28N12	.2	030	L	.		3901080	A	
	28N13	.5	040	L	.		3901070	A	
	29N13	5.2	050	C	C		3901100	A	
	29M13	4.6	060	C	C		3901100	A	
	30L24	.3	070	L	.		3901050	A	
	30L23	6.2	080	L	.		3901060	A	
	28K23	18.1T	085	T	T		3901100	A	
(DXC+DXCL1)									
3901150	24K10	2.9	008	S	B		3901152	E	
	28K22	5.0	010	T	T		3901150	A	
	29L12	.2	020	L	.		1001252	A	
	29L13	5.5	030	L	.		1001202	A	
	29M17	5.2	040	C	C		3901150	A	
	29N17	.5	050	C	C		3901150	A	
	28N17	19.3T	055	S	I		3901150	A	
NDXDR8									
3901400	21E28	5.6	010	S	I		3901408	A	
	13E05	8.7	020	S	I		3901406	A	
	11F34	11.7	030	S	I		3901410	A	
	10D23	8.5	040	S	I		3901400	A	
	02E13	14.5	050	C	C		3901418	A	
	31P13	4.0	060	C	C		3901418	A	
	24P08	6.0	070	L	.		3900100	A	
	28N24	.1	080	L	.		3901540	A	
	29N22	1.1	090	L	.		3901530	A	
	29N14	5.2	100	C	C		3901418	A	
	29M14	5.1	110	C	C		3901418	A	
	30L22	.3	120	L	.		3901500	A	
	30L21	5.4	130	L	.		3901510	A	
	30M20	76.2T	135	T	T		3901418	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
DXDR8/0 3901500	19N25	2.0	010	T	T		3901500	D	
	21N11	8.3	012	L	.		1061350	D	
	05N08	5.2	015	C	C		3901500	D	
	05M08	4.0	018	C	C		3901500	D	
	13M08	11.3	020	L	.		1071350	A	
	25L11	.5	030	L	.		1001312	A	
	26L11	.5	040	L	.		1021312	A	
	27L11	2.7	050	L	.		1041312	A	
	30L27	9.0	055	S	I		3901500	A	
	24K18	43.5T	060	S	B		3901502	C	
DXDR8/1 3901510	22M11	1.5	010	T	T		3901510	A	
	25M11	.5	020	L	.		1081312	A	
	26M11	.5	030	L	.		1101312	A	
	27M11	.5	040	L	.		1121312	A	
	28M11	4.7	050	L	.		1141312	A	
	30L28	8.8	055	S	I		3901510	A	
	24K19	16.5T	060	S	B		3901512	C	
DXDR8-3 3901530	01P45	3.2	010	T	T		3901530	A	
	02Q11	.5	020	L	.		1241312	A	
	03Q11	.5	030	L	.		1261312	A	
	04Q11	.5	040	L	.		1281312	A	
	05Q11	20.8	050	L	.		1301312	A	
	28N27	25.5T	065	S	I		3901530	A	
DXDR8/2 3901540	01P24	1.7	010	T	T		3901540	A	
	02P11	.5	020	L	.		1161312	A	
	03P11	.5	030	L	.		1181312	A	
	04P11	.5	040	L	.		1201312	A	
	05P11	15.7	050	L	.		1221312	A	
	28N25	.3	060	S	I		3901542	A	
	28N26	19.2T	065	S	I		3901540	A	
NDXS 3905400	20E24	7.6	010	S	I		3905408	A	
	05E22	1.9	020	S	I		3905400	A	
	02E15	14.5	030	C	C		3905401	A	
	31P15	1.6	040	C	C		3905401	A	
	29P20	3.3	050	L	.		3905500	A	
	24P07	1.4	060	L	.		3900100	A	
	22P01	30.3T	065	T	T		3905401	A	
DXS-0 3905500	24L02	.7	010	T	T		3905500	A	
	25L03	.5	020	L	.		1001312	A	
	26L03	.5	030	L	.		1021312	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAG
1	8	15	21	28	33	37	41	77	
3908010	02K33	.5	010	S	-BCR		3908010	A	
	03K33	.5T	015	L	*		3281060	A	
ECPUL2									
3908030	02K14	2.6	010	S	-BCR		3908030	A	
	03K41	2.6T	015	L	*		3282060	A	
ECPUL3									
3908050	02K35	.5	010	S	-BCR		3908050	A	
	03K35	.5T	015	L	*		3283060	A	
ED									
4050100	26D09	2.5	010	T	T		4050100	A	
	21D09	14.2	020	L	.		4050110	A	
	03E09	25.0	030	C	C		4050100	A	
	32M09	15.5	040	C	C		4050100	A	
	08L34	57.2T	045	S	-BCR		4050100	A	
NED									
4050110	21D10	12.6	010	S	I		4050110	A	
	17F15	1.4	020	L	.		8133000	A	
	17F30	3.4	030	L	.		8133500	A	
	10F29	17.4T	035	T	T		4050110	A	
4050120-1	13L11	4.1	010	S	B		4050120	A	
	08L33	4.1T	015	L	*		4050120	A	
EDR									
4056100	28K21	5.6	010	T	T		4056100	A	
	30L13	2.2	020	L	.		5054000	A	
	30L43	14.8	030	L	.		5054100	A	
	10M37	5.2	040	C	C		4056100	A	
	10N37	1.0	050	C	C		4056100	A	
	08N37	.4	060	L	.		5054200	A	
	08N43	15.6	070	L	.		5054300	A	
	19Q40	5.2	080	C	C		4056100	A	
	19R40	.5	090	C	C		4056100	A	
	18R40	50.5T	095	S	-BCR		4056100	A	
EI									
4100100	04L10	13.4	010	L	.		1070122	A	
	17M31	3.1	020	L	.		4100120	A	
	20M06	16.5T	025	S	FF		4100100	A	
NEI									
4100101	20M07	12.2	010	S	NFF		4100101	A	
	01M40	21.0	020	C	C		4100101	A	
	01R40	11.0	030	C	C		4100101	A	
	23R40	5.2	035	L	.		1291400	A	
	24S31	49.4T	040	L	.		5814845	M	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
(S/E1)									
4100130	21A33	10.7	010	S	B		4100130	A	
	02A17	14.5	020	C	C		4100130	A	
	31K17	16.1	030	C	C		4100130	A	
	20M19	41.3T	035	L	.		4100102	A	
(R/E1)									
4100140	29K24	13.6	010	S	B		4100140	A	
	20M09	13.6T	015	L	.		4100107	A	
ENCNTR									
4151000	07R43	8.1	010	L	.		4151100	A	
	21R24	11.4	020	S	B		4151000	A	
	30S45	4.6	030	S	I		4151002	A	
	24S23	2.4	040	L	.		5120300	A	
	28S29	26.5T	045	L	.		1022592	A	
NENCNTR									
4151100	07R45	14.0	010	S	I		4151100	A	
	27S29	1.4	020	T	T		4151100	A	
	30S30	15.4T	025	L	.		7400100	A	
ENDE									
4152000	26C45	9.2	010	S	B		4152000	A	
	20B34	5.4	018	L	.		5138127	J	
	27B08	3.7	020	L	.		4421265	A	
	32B23	14.1	030	L	.		4324678	A	
	17C41	.7	040	L	.		8065432	A	
	17C31	3.8	050	L	.		8065430	A	
	14C02	2.2	060	L	.		8022210	A	
	13C29	4.1	070	L	.		8022204	A	
	06C37	3.1	075	L	.		2841062	F	
	11C29	5.2	080	C	C		4152000	A	
	11D29	4.4	090	C	C		4152000	A	
	20D26	7.4	095	L	.		7890195	K	
	13E08	3.1	100	L	.		6825321	A	
	13E50	1.8	110	L	.		6825327	A	
	13F03	2.4	120	L	.		4425860	A	
	12F29	1.2	130	L	.		3060283	A	
	10F28	71.8T	135	T	T		4152000	A	
ENIO									
4154000	07R42	8.5	010	L	.		4154100	A	
	21R25	11.2	020	S	B		4154000	A	
	30S46	2.3	030	S	I		4154002	A	
	28S28	2.4	040	L	.		1022592	A	
	24S22	24.4T	045	L	.		5120900	A	
NENIO									
4154100	07R44	13.5	010	S	I		4154100	A	
	27S19	1.5	020	T	T		4154100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	30S19	15.0T	025	L	.	.	7400150	A	
ENOVRO									
4155000	06R50	2.0	010	T	T	.	4155000	A	
	07R30	13.3	020	L	.	.	4155100	A	
	24S24	2.6	030	L	.	.	5121500	A	
	28S31	1.1	040	L	.	.	1022590	A	
	30S34	19.0T	045	S	I	.	4155000	A	
NENOVRO									
4155100	07R46	6.2	010	S	I	.	4155100	A	
	19R47	5.2	020	C	C	.	4155100	A	
	19Q47	18.0	030	C	C	.	4155100	A	
	28N07	5.1	040	L	.	.	7400200	A	
	28P05	34.5T	045	T	T	.	4155100	A	
4159520-1	23R03	8.4	010	S	B	.	4159520	A	
	26S25	8.4T	015	L	*	.	4159520	A	
4200200-1	06F46	4.5	010	S	B	.	4200200	A	
	09F09	4.5T	015	L	*	.	4200200	A	
EWDM									
4241000	24K05	22.7	002	S	B	.	4241003	M	
	05M38	5.2	005	C	C	.	4241003	M	
	05N38	18.0	007	C	C	.	4241003	M	
	20Q37	9.8	010	S	B	.	4241000	A	
	01Q38	9.3	020	L	.	.	5152602	A	
	19Q37	5.2	030	C	C	.	4241000	A	
	19R37	1.4	040	C	C	.	4241000	A	
	21R43	6.2	060	L	.	.	1161400	A	
	17S26	4.6	070	L	.	.	3270202	A	
	10S09	6.4	080	L	.	.	4241005	A	
	07R13	88.8T	085	L	.	.	4241010	A	
EWDM-1									
4241005	20R17	.5	010	T	T	.	4241005	A	
	21R17	1.5	020	L	.	.	1241400	A	
	21R34	1.2	030	L	.	.	1201400	A	
	23R35	10.1	040	L	.	.	1261400	A	
	10S10	13.3T	045	S	B	.	4241005	A	
NEWDM									
4241010	20S11	11.4	005	S	I	.	4241015	E	
	07R15	9.8	010	S	I	.	4241010	A	
	23R39	4.1	020	L	.	.	1291400	A	
	25S11	2.7	030	L	.	.	1012590	A	
	25S44	1.7	040	L	.	.	1002590	A	
	27S34	.8	050	T	T	.	4241010	A	
	28S30	30.5T	055	L	.	.	1022590	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
EXC									
4252000	31A14	14.9	010	S	FF		4252000	A	
	21C06	5.2	020	L	.		4253000	A	
	26C42	5.5	030	L	.		4152000	A	
	31C02	5.2	040	C	C		4252000	A	
	31D02	.8	050	C	C		4252000	A	
	32D05	1.8	055	L	.		5156898	F	
	29D02	12.5	060	L	.		4321207	A	
	15E09	8.5	065	L	.		4322060	P	
	18F33	.5	070	L	.		6038620	A	
	18F36	.2	080	L	.		6038420	A	
	18F37	.5	090	L	.		6038070	A	
	18F40	55.6T	095	L	.		6038220	A	
NEXC									
4252001	31A12	7.6	005	S	NFF		4252001	A	
	27B21	7.6T	010	L	.		6733080	L	
(NEXC+IXAL)									
4253000	21C07	5.1	010	S	I		4253000	A	
	27C35	5.2	020	C	C		4253000	A	
	27D35	5.5	030	C	C		4253000	A	
	20D10	10.7	040	L	.		6815825	A	
	15E50	26.5T	045	T	T		4253000	A	
FAADD									
4320280	10B02	9.3	010	S	I		4320280	A	
	11C50	5.2	020	C	C		4320280	A	
	11D50	5.0	030	C	C		4320280	A	
	07E20	5.5	040	L	.		7900391	A	
	12D50	25.0T	045	T	T		4320280	A	
NFAADD/1									
4320300	07B36	3.9	010	S	I		4320300	C	
	10B04	.3	020	L	.		4320380	A	
	10B03	4.6	030	L	.		4320280	A	
	12A25	8.8T	035	T	T		4320300	A	
FAARITH									
4320380	10B13	1.9	010	S	I		4320380	A	
	08B02	2.8	020	L	.		4320400	A	
	12B11	9.5	030	L	.		6910000	A	
	15C50	5.2	040	C	C		4320380	A	
	15D50	9.2	050	C	C		4320380	A	
	18F11	3.5	060	L	.		3060185	A	
	16E47	32.1T	065	T	T		4320380	A	
NFAARITH									
4320400	08B05	8.3	010	S	I		4320400	A	
	22B24	2.3	020	T	T		4320400	A	
	17B25	10.6T	025	L	.		4324562	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
FABRANCH									
4320500	06A23	1.5	010	S	I		4320502	A	
	08A12	13.9	020	S	B		4320500	A	
	06C44	17.5	030	L	.		2841062	A	
	16A21	12.1	040	L	.		2840108	A	
	18C29	3.8	050	L	.		3846017	A	
	22C05	5.1	060	L	.		6196202	A	
	29B50	53.9T	065	T	T		4320500	A	
FABYTE									
4320540	08B47	7.7	010	S	I		4320540	A	
	03C47	5.2	020	C	C		4320540	A	
	03D47	1.0	030	C	C		4320540	A	
	02D42	18.4	040	L	.		2405701	A	
	18F39	2.0	050	L	.		6038070	A	
	20F25	.2	060	L	.		4320620	A	
	20F24	12.1	070	L	.		4320600	A	
	03E46	25.0	080	C	C		4320540	A	
	32M46	13.5	090	C	C		4320540	A	
	19L21	.3	100	L	.		6911184	A	
	19L22	1.9	110	L	.		6911584	A	
	16L28	87.3T	115	T	T		4320540	A	
NFABYTE									
4320550	09A34	1.5	010	S	I		4320550	A	
	08A19	3.1	020	L	.		4325150	A	
	06A44	5.4	030	L	.		4321920	A	
	08B31	11.1	040	L	.		4320540	A	
	21C23	3.4	050	L	.		5188130	A	
	22B50	24.5T	055	T	T		4320550	A	
(FABYTE.PRE3.P32.P33)									
4320600	20F34	19.4	010	S	B		4320600	A	
	01D42	15.5	020	C	C		4320600	A	
	32N42	14.4	030	C	C		4320600	A	
	10P18	1.7	040	L	.		7829034	A	
	13P19	51.0T	045	T	T		4320600	A	
(FABYTE.PRE4.(BC=1))									
4320620	20F33	19.4	010	S	B		4320620	A	
	01D41	15.5	020	C	C		4320620	A	
	32N41	14.4	030	C	C		4320620	A	
	10P17	1.5	040	L	.		7829035	A	
	13P17	50.8T	045	T	T		4320620	A	
FACAL									
4320800	08A36	6.9	010	S	B		4320800	A	
	17A07	12.4	020	L	.		4320830	A	
	17C33	19.3T	025	L	.		8065431	A	
(FACAL.PH1.NTRAP.NSTRAP)									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4320830	17A12	4.6	010	S	B		4320830	A	
	25A19	1.5	020	L	.		1286602	A	
	25A36	12.8	030	L	.		8065152	A	
	17C17	1.5	040	L	.		1316632	A	
	17C34	20.4T	045	L	.		1306631	A	
FACOMP									
4320900	10B12	9.8	010	S	I		4320900	A	
	01C17	31.2	020	C	C		4320900	A	
	32Q17	13.1	030	C	C		4320900	A	
	26N24	2.3	040	L	.		3060414	A	
	23N11	5.3	050	L	.		7651004	A	
	13N12	3.1	060	L	.		4320905	A	
	19N14	64.8T	065	T	T		4320900	A	
NFACOMP									
4320905	13N11	5.1	010	S	I		4320905	A	
	23N09	1.7	020	L	.		7651002	A	
	26N02	3.9	030	L	.		3060412	A	
	19N08	10.7T	035	T	T		4320905	A	
FACOMP/1									
4320910	08B17	5.0	010	S	I		4320910	A	
	10C02	1.3	020	L	.		8010864	A	
	10C20	4.7	030	L	.		8010156	A	
	19C21	5.2	040	C	C		4320910	A	
	19D21	10.3	050	C	C		4320910	A	
	12E38	4.6	060	L	.		6911122	A	
	12F30	2.0	070	L	.		3060283	A	
	08F30	1.0	080	L	.		2498000	A	
	10F30	34.1T	085	T	T		4320910	A	
FACOMP/L									
4320940	08B45	4.1	010	S	I		4320940	A	
	10C17	6.4	020	L	.		8010152	A	
	22C11	.8	030	L	.		6196200	A	
	22C02	6.9	040	L	.		6196402	A	
	15B25	6.3	050	L	.		2405350	A	
	26B10	3.1	060	L	.		2842068	A	
	28B38	7.3	070	L	.		4320960	A	
	19C06	5.2	080	C	C		4320940	A	
	19D06	1.0	090	C	C		4320940	A	
	17D06	7.3	100	L	.		7900465	A	
	05D27	.6	110	L	.		6977016	A	
	04D25	4.6	120	L	.		6825317	A	
	06E03	53.6T	125	T	T		4320940	A	
NFACOMP/L									
4320950	07A12	.7	010	S	I		4320950	A	
	07A22	7.4	020	L	.		4325100	A	
	08B43	3.7	030	L	.		4320940	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	10B07	5.3	040	L	.		4320900	A	
	09C01	17.1T	045	T	T		4320950	A	
(FACOMP/L.PH2)									
4320960	28B41	6.8	010	S	B		4320960	A	
	20B03	8.6	020	L	.		2841050	A	
	19C41	5.2	030	C	C		4320960	A	
	19D41	.5	040	C	C		4320960	A	
	18D41	8.7	050	L	.		3060002	A	
	06D06	2.6	060	L	.		3900900	A	
	01D03	15.5	070	C	C		4320960	A	
	32N03	21.5	080	C	C		4320960	A	
	13Q23	4.9	090	L	.		3060108	A	
	13P27	74.3T	095	T	T		4320960	A	
FADIV									
4321000	07A36	4.7	010	S	I		4321000	A	
	11B01	8.3	020	L	.		6733050	A	
	21B45	5.6	030	L	.		2841658	A	
	14C03	5.1	040	L	.		8022210	A	
	04C05	.4	050	L	.		7900022	A	
	04C11	3.9	060	L	.		7900022	A	
	11C18	5.2	070	C	C		4321000	A	
	11D18	4.1	080	C	C		4321000	A	
	18D13	3.3	090	L	.		3060254	A	
	13D20	.9	100	L	.		7900070	A	
	13D08	11.5	110	L	.		7900070	A	
	04E35	2.1	120	L	.		7904002	A	
	08E37	.6	130	L	.		7900452	A	
	08E45	5.6	140	L	.		2405496	A	
	14F12	15.3	150	L	.		4321010	A	
	32E01	1.5	160	L	.		3691000	A	
	30E04	78.1T	165	T	T		4321000	A	
FADIV-2									
4321010	28K14	2.9	010	T	T		4321010	A	
	29K45	18.8	020	L	.		4500102	A	
	10M29	5.2	030	C	C		4321010	A	
	10N29	1.8	040	C	C		4321010	A	
	07N30	3.8	050	L	.		3691100	A	
	11N09	4.9	060	L	.		1024204	A	
	20N03	2.3	070	L	.		5152600	A	
	21N27	6.8	080	L	.		1310340	A	
	32N45	15.5	090	C	C		4321010	A	
	01D45	3.4	100	C	C		4321010	A	
	02D02	4.4	110	L	.		2405544	A	
	06D34	2.0	120	L	.		2405488	A	
	08D20	4.4	130	L	.		2900592	A	
	08E07	8.5	140	L	.		2905500	A	
	14F11	84.7T	145	S	B		4321010	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
FADIVH 4321020	04B18	8.2	010	S	I		4321020	A	
	10A18	14.1	020	L	.		3405152	A	
	25B36	4.3	030	L	.		2841964	A	
	23C10	5.2	040	C	C		4321020	A	
	23D10	9.5	050	C	C		4321020	A	
	31E14	.5	060	L	.		3691004	A	
	30E14	41.8T	065	T	T		4321020	A	
NFADIVH 4321030	07B13	.2	010	S	I		4321032	A	
	07B12	2.1	020	S	I		4321030	A	
	04B04	5.7	030	L	.		4321020	A	
	03A03	4.5	040	L	.		4323302	A	
	07A37	3.0	050	L	.		4321000	A	
	06B01	15.5T	055	T	T		4321030	A	
FADW 4321100	08B46	6.3	010	S	I		4321100	A	
	16C05	5.2	020	C	C		4321100	A	
	16D05	.8	030	C	C		4321100	A	
	18D04	10.5	040	L	.		3060253	A	
	02D38	7.1	050	L	.		2405540	A	
	11E01	8.1	060	L	.		7514500	A	
	12F34	1.0	070	L	.		1314930	A	
	10F34	39.0T	075	T	T		4321100	A	
NFADW 4321110	09A33	1.7	010	S	I		4321110	A	
	09A12	.5	020	S	I		4321112	A	
	09A09	2.0	030	L	.		4325180	A	
	08A29	5.6	040	L	.		4325150	A	
	08B30	11.3	050	L	.		4321100	A	
	21C24	2.0	060	L	.		5188130	A	
	25C24	23.1T	065	T	T		4321110	A	
FADW/1 4321120	08A35	11.4	010	S	B		4321120	A	
	20B37	8.3	020	L	.		2841054	A	
	13C31	3.5	030	L	.		1313746	A	
	18C45	7.3	040	L	.		2842050	A	
	28C10	3.0	050	L	.		6196404	A	
	28B40	1.2	060	L	.		4321130	A	
	28B24	6.9	070	L	.		4321125	A	
	31C26	5.2	080	C	C		4321120	A	
	31D26	.5	090	C	C		4321120	A	
	30D26	10.9	100	L	.		1312795	A	
	10D38	4.0	110	L	.		3900908	A	
	12E07	4.9	120	L	.		6825310	A	
	17E39	7.3	130	L	.		1312774	A	
	12D45	74.4T	135	T	T		4321120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
(FADW/1.PH1)									
4321125	28B26	8.1	010	S	B		4321125	A	
	13B34	5.1	020	L	.		2405374	A	
	16C12	5.2	030	C	C		4321125	A	
	16D12	.5	040	C	C		4321125	A	
	17D12	12.6	050	L	.		7900465	A	
	12F11	1.1	060	L	.		5339000	A	
	10F09	32.6T	065	T	T		4321125	A	
(FADW/1.PH2)									
4321130	28B34	13.3	010	S	B		4321130	A	
	07C05	5.2	020	C	C		4321130	A	
	07D05	1.3	030	C	C		4321130	A	
	05D02	6.1	040	L	.		6977012	A	
	06E05	25.9T	045	T	T		4321130	A	
FAFL									
4321135	03A10	5.6	010	S	B		4321135	A	
	14A12	.1	020	L	.		4321137	A	
	14A14	4.5	030	L	.		4321145	A	
	13B01	3.5	040	L	.		1313734	A	
	10B24	2.5	050	L	.		8010852	A	
	07B38	7.2	060	L	.		4323398	A	
	13C23	2.6	070	L	.		8022206	A	
	18C26	3.3	080	L	.		2842052	A	
	22C08	5.8	090	L	.		6196206	A	
	25B20	2.8	100	L	.		2841660	A	
	27B44	7.7	110	L	.		2841064	A	
	16B14	45.6T	115	T	T		4321135	A	
FAFL-1									
4321137	14A11	16.3	010	S	B		4321137	A	
	07C38	5.2	020	C	C		4321137	A	
	07D38	1.0	030	C	C		4321137	A	
	05D38	12.4	040	L	.		6977018	A	
	13F09	6.8	050	L	.		4395400	A	
	21E38	6.0	060	L	.		5156822	A	
	22D34	8.9	070	L	.		6041100	A	
	27E50	4.9	080	L	.		2902162	A	
	21E24	3.4	090	L	.		4321140	A	
	17E03	3.0	100	L	.		7904300	A	
	18D36	.9	110	L	.		3060004	A	
	17D29	14.6	120	L	.		7900466	A	
	02E50	14.5	130	C	C		4321137	A	
	31P50	8.8	140	C	C		4321137	A	
	30N07	6.7	150	L	.		4321150	A	
	28P13	113.4T	155	T	T		4321137	A	
NFAFL									
4321140	32C50	2.6	005	T	T		4321140	C	
	28C42	.5	010	L	.		6977200	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	27C42	5.2	020	C	C		4321140	A	
	27D42	7.0	030	C	C		4321140	A	
	21E26	10.3	040	S	I		4321140	A	
	08D43	25.6T	050	L	.		5152170	A	
(FAFL.N02)									
4321145	14A06	13.7	010	S	B		4321145	A	
	26B37	7.1	020	L	.		6196216	A	
	13B30	7.0	030	L	.		2405372	A	
	18C20	3.5	040	L	.		3846018	A	
	11C20	5.2	050	C	C		4321145	A	
	11D20	7.5	060	C	C		4321145	A	
	04E07	4.2	070	L	.		3900914	A	
	07E43	6.8	080	L	.		6942306	A	
	12F31	1.0	090	L	.		7890155	A	
	10F31	56.0T	095	T	T		4321145	A	
(FAFL.NRW)									
4321150	20B33	9.7	005	L	.		5138127	J	
	26A10	.5	010	T	T		4321150	A	
	27A10	18.2	020	L	.		1296606	A	
	17C46	9.9	030	L	.		8065430	A	
	01C19	31.2	040	C	C		4321150	A	
	32Q19	12.6	050	C	C		4321150	A	
	30N06	82.1T	055	S	B		4321150	A	
FAHW									
4321170	08B36	5.7	010	S	I		4321170	A	
	07C36	5.2	020	C	C		4321170	A	
	07D36	3.2	030	C	C		4321170	A	
	08D03	5.1	040	L	.		2405592	A	
	18D01	5.6	050	L	.		3060253	A	
	29D03	15.1	060	L	.		4321205	A	
	20F05	1.2	070	L	.		4321250	A	
	20F21	5.0	080	L	.		4321230	A	
	26F50	46.1T	085	T	T		4321170	A	
NFAHW									
4321180	10A23	1.3	010	S	I		4321180	A	
	08A20	6.6	020	L	.		4325150	A	
	08B37	10.5	030	L	.		4321170	A	
	21C22	2.8	040	L	.		5188130	A	
	25C15	21.2T	045	T	T		4321180	A	
(FAHW.EXC)									
4321205	29D19	1.0	010	S	B		4321205	A	
	29D05	19.2	020	S	B		4321207	A	
	18F44	15.3	030	L	.		6038072	A	
	26D37	35.5T	035	T	.		4321205	A	
(FAHW.PRE3.P32)									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8, 15		21	28	33	37	41	77	
4321230	20F14	18.0	010	S	B		4321230	A	
	01D40	15.5	020	C	C		4321230	A	
	32N40	12.7	030	C	C		4321230	A	
	12P06	.5	040	L	.		7828804	A	
	13P06	46.7T	045	T	T		4321230	A	
(FAHW.PRE4.(BC=1))									
4321250	20F12	9.6	010	S	B		4321250	A	
	02F20	14.5	020	C	C		4321250	A	
	31Q20	10.4	030	C	C		4321250	A	
	17P43	5.2	040	L	.		7828820	A	
	10P22	1.5	050	L	.		7829032	A	
	13P22	41.2T	055	T	T		4321250	A	
FAILL									
4321900	26A21	.5	010	T	T		4321900	A	
	27A21	11.6	020	L	.		8065156	A	
	32C04	7.3	030	L	.		8065216	A	
	17C05	8.7	040	L	.		8065436	A	
	04B45	28.1T	045	S	I		4321900	A	
NFAILL									
4321910	06A14	.6	010	S	I		4321910	A	
	06A22	.6	020	S	I		4321912	A	
	06A30	4.5	030	S	I		4321918	A	
	05B14	1.5	032	L	I		4321924	U	
	05B34	.1	033	L	I		4321923	U	
	05B36	1.0	035	S	I		4321922	U	
	04B27	1.2	040	S	I		4321921	A	
	04B43	8.8	050	L	.		4321900	A	
	16B02	18.3T	055	T	T		4321910	A	
FAILL/1									
4321925	06B02	2.5	010	T	T		4321925	A	
	04B22	8.1	020	L	.		4321921	A	
	10A24	19.4	030	S	B		4321927	A	
	30C10	30.0T	035	S	B		4321925	A	
FAIM									
4321977	08B44	8.3	010	S	I		4321977	A	
	06A15	6.8	020	L	.		4321910	A	
	19A19	10.2	030	L	.		7824100	A	
	19C15	5.2	040	C	C		4321977	A	
	19D15	.5	050	C	C		4321977	A	
	18D15	15.0	060	L	.		3060453	A	
	03E45	25.0	070	C	C		4321977	A	
	32M45	13.8	080	C	C		4321977	A	
	18L26	1.5	090	L	.		6911372	A	
	18L06	3.5	100	L	.		6911762	A	
	15L37	.3	110	L	.		4321990	A	
	16L36	90.1T	115	T	T		4321977	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NFAIM									
4321987	09A14	6.3	010	S	I		4321987	A	
	18A37	6.2	020	L	.		2841000	A	
	08A21	7.1	030	L	.		4325150	A	
	08B42	4.4	040	L	.		4321977	A	
	08C29	.8	050	L	.		6196326	A	
	07C30	5.2	060	C	C		4321987	A	
	07D30	1.3	070	C	C		4321987	A	
	05D34	1.5	080	L	.		6977020	A	
	05D17	12.1	085	L	.		2400200	T	
	08F20	6.4	090	L	.		6977032	A	
	13E38	1.2	100	L	.		7900461	A	
	14E28	6.7	110	L	.		3060152	A	
	15F39	6.3	120	L	.		4324548	A	
	16E28	65.5T	125	T	T		4321987	A	
NFAIM-1									
4321990	15L36	3.2	010	S	I		4321990	A	
	19L23	.3	020	L	.		6911570	A	
	19L24	5.2	030	L	.		6911170	A	
	22M04	10.1	035	T	T		4321990	A	
	24K22	18.8T	050	L	.		4421648	J	
FAIO									
4322000	07A02	15.8	010	S	I		4322000	A	
	12C40	1.2	020	L	.		5153288	A	
	14C41	4.6	030	L	.		2841350	A	
	19C13	5.2	040	C	C		4322000	A	
	19D13	7.9	050	C	C		4322000	A	
	08D45	10.0	060	L	.		7900073	A	
	25D25	1.4	070	L	.		7563508	A	
	28D22	3.2	075	L	.		7471002	F	
	32D06	2.8	080	L	.		5156898	F	
	32D44	10.4	090	L	.		4322920	A	
	15E03	4.7	092	L	.		4322060	P	
	20E34	6.6	095	L	.		3905414	C	
	32E29	.3	100	L	.		4322500	A	
	32E33	2.5	110	L	.		4322100	A	
	30E13	76.6T	115	T	T		4322000	A	
FAIO/1									
4322020	04B47	13.1	010	S	I		4322020	A	
	24B02	4.1	015	L	.		6038036	C	
	19B24	3.0	020	L	.		6196408	A	
	15B41	5.4	030	L	.		2405400	A	
	19C17	5.2	040	C	C		4322020	A	
	19D17	11.3	050	C	C		4322020	A	
	19F24	1.5	060	L	.		1156350	A	
	21F21	8.3	070	L	.		5150552	A	
	32E50	14.2	080	L	.		4322380	A	
	04E45	1.9	090	L	.		3277180	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	06E33	68.0T	095	T	T		4322020	A	
N(FAIO/I)									
4322030	06B47	9.0	010	T	T		4322030	A	
	07A03	8.8	020	L	.		4322000	A	
	04B31	.6	030	L	.		4322020	A	
	04B36	18.4T	035	S	I		4322030	A	
N(FAIO.EXC)									
4322060	15E02	7.3	010	S	I		4322060	P	
	26E26	5.4	020	L	.		6820160	P	
	25F22	7.6	030	L	.		5154207	P	
	30E27	20.3T	035	T	T		4322060	P	
(FAIO.PH1)									
4322100	12D02	1.0	010	T	T		4322100	A	
	10D02	6.9	020	L	.		7901508	A	
	13E03	5.8	030	L	.		3901406	A	
	18E47	.8	036	L	.		3060135	F	
	20E46	3.6	040	L	.		2407000	A	
	21E04	2.6	046	L	.		3060238	F	
	25E11	2.4	050	L	.		7890640	A	
	29E18	2.8	060	L	.		7890448	A	
	26E39	6.3	070	L	.		7890740	A	
	32F13	3.6	080	L	.		4322120	A	
	32E36	35.8T	085	S	B		4322100	A	
N(FAIO.PH1)									
4322120	32F15	.2	010	S	I		4322120	A	
	32F14	9.3	020	L	.		1264930	A	
	32D30	3.3	030	L	.		6970102	A	
	26D26	12.8T	035	T	T		4322120	C	
(FAIO.PH2)									
4322200	32E41	6.9	010	S	B		4322200	A	
	28F37	1.8	030	L	.		4322220	A	
	28F14	10.7	040	L	.		1080162	A	
	08F03	3.8	070	L	.		2020012	A	
	05E44	5.8	080	L	.		7900032	A	
	06D47	9.2	090	L	.		2010100	A	
	16E33	38.2T	125	T	T		4322200	C	
N(FAIO.PH2)									
4322220	12L50	4.0	010	T	T		4322220	A	
	15M14	9.6	020	L	.		5150450	A	
	32M27	25.0	030	C	C		4322220	A	
	03E27	16.0	040	C	C		4322220	A	
	24D20	4.5	050	L	.		2490110	A	
	30D03	14.2	052	L	.		7890145	C	
	28F36	73.3T	055	S	I		4322220	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
(FA10.PH3)									
4322300	32E35	4.2	010	S	B		4322300	A	
	32F21	1.9	020	L	.		4322310	A	
	31F04	4.3	030	L	.		2054950	D	
	27F39	13.4	040	L	.		5150750	A	
	21D42	5.3	050	L	.		5151052	A	
	20E36	2.9	060	L	.		3905412	A	
	22E10	32.0T	065	T	T		4322300	A	
N(FA10.PH3)									
4322310	32F28	12.8	010	S	I		4322310	A	
	30D09	17.8	015	L	.		7890145	C	
	19F30	6.1	020	L	.		5153285	A	
	16E37	36.7T	025	T	T		4322310	A	
(FA10/1.PH3)									
4322380	32E45	12.1	010	S	B		4322380	A	
	12E17	3.3	020	L	.		6942300	A	
	12D44	15.4T	025	T	T		4322380	A	
(FA10.PH4)									
4322400	21B07	1.2	010	L	.		6196300	A	
	22B17	2.2	020	T	T		4322400	A	
	25B27	1.4	030	L	.		2841966	A	
	27B18	8.3	035	L	.		2841980	F	
	32C26	.6	040	L	.		2841450	A	
	31C24	5.2	050	C	C		4322400	A	
	31D24	2.8	060	C	C		4322400	A	
	28D42	2.4	063	L	.		7890135	J	
	28D13	.1	065	L	.		5153440	C	
	28D11	1.7	070	L	.		5150730	A	
	28D30	3.9	080	L	.		7890320	F	
	22D42	6.8	090	L	.		2843850	A	
	17E30	7.6	110	L	.		3060257	A	
	28E02	4.4	120	L	.		3060158	C	
	32E34	48.6T	125	S	B		4322400	A	
(FA10/1.PH4)									
4322480	09C22	2.5	010	T	T		4322480	A	
	14C22	10.6	020	L	.		2405382	A	
	31C50	5.2	030	C	C		4322480	A	
	31D50	5.3	040	C	C		4322480	A	
	29E41	1.6	050	L	.		7890340	A	
	32E44	25.2T	055	S	B		4322480	A	
(FA10.PH5)									
4322500	25C27	7.5	010	T	T		4322500	A	
	27B06	9.7	020	L	.		7430158	A	
	12B36	2.9	030	L	.		7430142	A	
	12C03	3.8	040	L	.		4322520	A	
	07C21	5.2	050	C	C		4322500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	07D21	5.4	060	C	C		4322500	A	
	04E03	2.7	070	L	.		7901526	A	
	05E33	7.6	080	L	.		7900031	A	
	11F26	1.3	090	L	.		2405336	A	
	13F29	6.3	100	L	.		4322565	A	
	17E38	2.1	110	L	.		5153437	A	
	20E45	3.0	120	L	.		2407000	A	
	20E06	7.5	130	L	.		3900918	A	
	32E26	65.0T	135	S	B		4322500	A	
(FA10.PH5.SW0)									
4322520	26A19	8.4	010	T	T		4322520	A	
	24B44	.9	020	L	.		2841958	A	
	24B35	1.5	030	L	.		2841962	A	
	21B35	7.5	040	L	.		2841554	A	
	12C02	18.3T	045	S	B		4322520	A	
(FA10.PH5.SW8)									
4322540	30E44	.9	010	T	T		4322540	A	
	29E37	.1	020	L	.		7890842	A	
	29E35	.7	030	L	.		7890840	A	
	28E34	3.7	040	L	.		2843856	A	
	25E04	5.0	050	L	.		7890825	A	
	17E21	8.7	060	L	.		3060258	A	
	13D01	12.6	070	L	.		3060154	A	
	13F26	31.7T	075	S	B		4322540	A	
(FA10.PH5.SW9)									
4322545	13F25	16.1	010	S	B		4322545	A	
	22D06	15.2	020	L	.		2844350	C	
	26F41	31.3T	025	T	T		4322545	A	
(FA10.PH5.SW13)									
4322565	12A50	2.9	010	T	T		4322565	A	
	12B17	9.5	020	L	.		7430400	A	
	16C47	5.2	030	C	C		4322565	A	
	16D47	8.6	040	C	C		4322565	A	
	28D08	17.5	050	L	.		5150730	A	
	07E35	7.6	060	L	.		7901602	A	
	13F27	51.3T	065	S	B		4322565	A	
(FA10.PH5.SW14)									
4322570	13F28	15.0	010	S	B		4322570	A	
	06D13	13.2	020	L	.		2405481	A	
	10F24	28.2T	025	T	T		4322570	A	
(FA10/1.PH5)									
4322580	16B47	.6	010	T	T		4322580	A	
	15B45	1.6	030	L	.		2405400	A	
	12B47	9.4	040	L	.		7430144	A	
	10A06	11.8	050	L	.		1313730	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	07C07	5.2	060	C	C		4322580	A	
	07D07	2.5	070	C	C		4322580	A	
	02D07	7.2	080	L	.		2400206	A	
	04E22	8.6	090	L	.		2402920	A	
	13D41	11.3	100	L	.		6942322	A	
	11F39	9.2	110	L	.		2405420	A	
	18E33	6.6	120	L	.		2405424	A	
	20D24	10.6	130	L	.		2844370	A	
	28E41	2.2	140	L	.		2844358	A	
	32E46	86.8T	145	S	B		4322580	A	
(FA10.PH6)									
4322620	32E25	17.3	010	S	B		4322620	A	
	10D12	4.6	020	L	.		3901400	A	
	19D14	5.2	030	C	C		4322620	A	
	19C14	7.2	040	C	C		4322620	A	
	25B28	1.3	050	L	.		2841965	A	
	26B21	8.7	060	L	.		2841978	A	
	20A15	44.3T	065	T	T		4322620	A	
(FA10/1.PH6)									
4322680	32E47	14.9	010	S	B		4322680	A	
	05E30	8.2	020	L	.		3905406	A	
	08F50	23.1T	025	T	T		4322680	A	
(FA10.PH7)									
4322720	27B10	5.5	005	L	.		4322750	C	
	16B10	1.2	010	T	T		4322720	A	
	14B05	10.1	020	L	.		7430136	A	
	11C46	5.2	030	C	C		4322720	A	
	11D46	.3	040	C	C		4322720	A	
	10D47	8.8	050	L	.		7901516	A	
	21E21	5.9	060	L	.		3901408	A	
	32E27	37.0T	065	S	B		4322720	A	
N(FA10.PH7)									
4322750	27B01	17.3	010	S	I		4322750	C	
	02A07	14.5	020	C	C		4322750	C	
	31K07	3.8	030	C	C		4322750	C	
	24K03	.3	040	L	.		3901512	C	
	24K04	14.9	050	L	.		3901502	C	
	30M21	50.8T	055	T	T		4322750	C	
(FA10.PH8)									
4322820	32E28	6.7	010	S	B		4322820	A	
	20E18	13.1	020	L	.		3900922	A	
	08F47	19.8T	025	T	T		4322820	A	
(FA10.PH9)									
4322920	16B46	1.0	010	T	T		4322920	A	
	15B37	4.2	020	L	.		7430302	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-4323110
TYPE-PINLIST

272
133264
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAG
1	8	15	21	28	33	37	41	77	
4323110	11A15	8.9	010	S	I		4323110	A	
	17B26	.4	020	L	.		4324562	A	
	16B29	9.3T	025	T	T		4323110	A	
FALOAD/A									
4323130	08A02	8.5	010	S	B		4323130	A	
	03B12	12.2	020	L	.		4323135	A	
	16A09	7.3	030	L	.		4323132	A	
	20B12	1.4	040	L	.		2841052	A	
	21B03	2.6	050	L	.		6196306	A	
	26B01	4.0	060	L	.		2842070	A	
	24B41	2.2	070	L	.		2842058	A	
	20B40	3.9	080	L	.		2841058	A	
	13B33	7.6	090	L	.		7430126	A	
	10C45	.6	100	L	.		8022216	A	
	10C50	8.7	110	L	.		8022214	A	
	22C17	59.0T	115	L	.		6196400	A	
NFALOAD/A									
4323132	16A10	15.0	010	S	I		4323132	A	
	22C29	13.2	020	L	.		6902340	A	
	20A08	28.2T	025	T	T		4323132	A	
FALOAD/A-1									
4323135	12B05	.5	010	L	.		6910002	A	
	12B08	4.4	020	L	.		6910002	A	
	03B11	6.9	030	S	B		4323135	A	
	07C08	5.2	040	C	C		4323135	A	
	07D08	1.4	050	C	C		4323135	A	
	06D20	1.6	060	L	.		3900904	A	
	05D39	5.1	070	L	.		6977016	A	
	08E17	6.4	080	L	.		6977022	A	
	12F08	3.4	090	L	.		5339000	A	
	14F40	7.6	100	L	.		4421432	A	
	14E08	2.1	110	L	.		7904102	A	
	15E30	5.9	120	L	.		7890852	A	
	17D34	3.6	130	L	.		7900473	A	
	20D06	5.0	140	L	.		7901532	A	
	30D06	3.2	150	L	.		1312796	A	
	30D47	62.3T	155	T	T		4323135	A	
FALOAD/C									
4323150	04B25	4.1	010	S	I		4323150	A	
	12B20	6.9	020	L	.		6910004	A	
	15C21	5.2	030	C	C		4323150	A	
	15D21	4.7	040	C	C		4323150	A	
	14E07	1.0	050	L	.		7904100	A	
	16E07	21.9T	055	T	T		4323150	A	
NFALOAD/C									
4323160	09A36	6.5	010	S	I		4323160	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04B23	.8	020	L	.		4323150	A	
	06B22	5.5	030	T	T		4323160	A	
	17B22	12.8T	035	L	.		4324560	A	
NFALOGIC 4323220	11A06	9.9	010	S	I		4323220	A	
	17B27	.8	020	L	.		4324562	A	
	16B23	10.7T	025	T	T		4323220	A	
FAMDS 4323295	32C21	5.3	010	L	.		2841354	A	
	22C18	1.0	020	L	.		6196204	A	
	21C29	9.8	030	L	.		2841650	A	
	14B15	1.1	040	L	.		2405362	A	
	14B02	5.7	050	L	.		7430138	A	
	04B15	12.1	060	S	I		4323295	A	
	16C28	5.2	070	C	C		4323295	A	
	16D28	5.1	080	C	C		4323295	A	
	18E11	1.9	090	L	.		1312790	A	
	18E37	9.0	100	L	.		3060233	A	
	08F21	3.3	120	L	.		6977032	A	
	02F22	14.5	130	C	C		4323295	A	
	31Q22	6.3	140	C	C		4323295	A	
	26P39	3.6	150	L	.		1310141	A	
	19P41	4.9	160	L	.		2900104	A	
	28P35	88.8T	165	T	T		4323295	A	
NFAMDS 4323300	03A07	.1	010	S	B		4323300	A	
	03A09	6.0	020	S	B		4323302	A	
	04B13	19.4	030	L	.		4323295	A	
	28C44	8.6	040	L	.		6977200	A	
	16C07	5.2	050	C	C		4323300	A	
	16D07	6.0	060	C	C		4323300	A	
	09D41	.7	062	L	.		4323305	M	
	08D40	46.0T	065	L	.		5152170	A	
N(NFARWD.NFAMDS) 4323305	09D46	12.8	010	S	I		4323305	M	
	19F09	12.5	020	L	.		5159850	M	
	26D29	25.3T	030	T	T		4323305	M	
FAMDST 4323310	30D13	13.2	010	S	I		4323310	A	
	31F44	20.3	015	S	I		4323312	B	
	05E15	7.0	020	L	.		7900037	A	
	19E15	40.5T	035	T	T		4323310	A	
FANIMP 4323320	11B46	13.1	010	S	I		4323320	A	
	32C09	8.1	020	L	.		8065218	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	17C02	.5	030	L	.		1316634	A	
	17C07	10.9	040	L	.		8065435	A	
	06B05	32.6T	045	T	T		4323320	A	
FAMT									
4323340	32B27	.1	010	L	.		4323354	A	
	32B29	2.7	020	L	.		4323356	A	
	28B39	1.3	030	L	.		4323348	A	
	28B21	2.3	040	L	.		4323344	A	
	24B17	5.1	050	L	.		6038034	A	
	18B42	7.0	060	L	.		4421660	A	
	22C37	4.1	070	L	.		2842452	A	
	14C35	.1	080	L	.		2841860	A	
	14C37	13.8	090	L	.		2841860	A	
	19A22	4.3	100	L	.		5138920	A	
	18B07	7.7	110	L	.		4323358	A	
	03B06	1.8	120	S	B		4323340	A	
	06B10	6.2	130	T	T		4323340	A	
	03C07	5.2	140	C	C		4323340	A	
	03D07	.8	150	C	C		4323340	A	
	02D08	6.4	160	L	.		2400210	A	
	14D14	6.5	170	L	.		7900051	A	
	15E24	75.4T	175	L	.		3060000	A	
(FAMT.PH1)									
4323344	28B28	5.7	010	S	B		4323344	A	
	27C28	5.2	020	C	C		4323344	A	
	27D28	3.8	030	C	C		4323344	A	
	27E07	2.0	040	L	.		7900398	A	
	29E21	7.4	050	L	.		7890344	A	
	17E04	3.7	060	L	.		7901750	A	
	14E34	7.2	070	L	.		3107042	A	
	14D08	11.3	080	L	.		7901506	A	
	11F03	.3	090	L	.		2405120	A	
	11F04	8.4	100	L	.		2403920	A	
	12D38	55.0T	105	T	T		4323344	A	
(FAMT.PH2)									
4323348	28B35	12.4	020	S	B		4323348	A	
	14C34	1.7	030	L	.		2841850	A	
	12C44	10.4	040	L	.		3278030	A	
	27C09	5.2	050	C	C		4323348	A	
	27D09	12.8	060	C	C		4323348	A	
	06D36	12.1	070	L	.		2405490	A	
	08F44	13.2	080	L	.		5779100	A	
	12D34	67.8T	085	T	T		4323348	A	
(FAMT.PH2.NINTRAP)									
4323354	32B33	15.2	010	S	B		4323354	A	
	13C39	.1	020	L	.		8022200	A	
	13C37	3.1	030	L	.		6910006	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19C35	5.2	040	C	C		4323354	A	
	19D35	8.9	050	C	C		4323354	A	
	18F07	3.7	060	L	.		3060185	A	
	16F43	.3	070	L	.		3077000	A	
	16F44	36.5T	075	L	.		6910020	A	
(FAMT.PH2.NRZ)									
4323356	23B46	5.0	005	L	.		6038040	C	
	18B11	7.1	020	L	.		2578000	A	
	32B14	5.0	030	S	B		4323356	A	
	22B14	6.1	040	T	T		4323356	A	
	27A39	.3	050	L	.		2560055	A	
	27A40	23.5T	055	L	.		2560006	A	
N(FAMT+XPSD)									
4323358	18B01	1.7	010	S	I		4323358	A	
	18B20	.8	020	L	.		5011252	A	
	16B21	2.5T	025	T	T		4323358	A	
FAMUL									
4323360	07A35	20.5	010	S	I		4323360	A	
	26C44	3.0	020	L	.		6104900	A	
	27C10	5.2	030	C	C		4323360	A	
	27D10	7.1	040	C	C		4323360	A	
	32E02	12.1	050	L	.		6105000	A	
	14D29	6.9	060	L	.		7900051	A	
	08E08	2.2	070	L	.		2905500	A	
	06E24	57.0T	075	T	T		4323360	A	
FAMULNH									
4323380	04B11	14.2	010	S	I		4323380	A	
	31B21	9.5	020	L	.		4323394	A	
	24C31	9.0	030	L	.		2841656	A	
	14B47	8.1	040	L	.		1313744	A	
	03C08	5.2	050	C	C		4323380	A	
	03D08	16.5	060	C	C		4323380	A	
	12F28	12.4	070	L	.		3060283	A	
	17D39	10.3	080	L	.		7900471	A	
	01D10	15.5	090	C	C		4323380	A	
	32N10	10.5	100	C	C		4323380	A	
	11N10	1.0	110	L	.		1034204	A	
	09N10	112.2T	115	T	T		4323380	A	
NFAMULNH									
4323390	03A01	4.6	010	L	.		4323300	A	
	07A38	4.7	020	L	.		4323360	A	
	11A05	9.5	030	S	I		4323390	A	
	04B12	2.3	040	L	.		4323380	A	
	07B21	2.1	050	L	.		1313780	A	
	07B46	4.2	060	S	I		4323392	A	
	09C17	27.4T	065	T	T		4323390	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
(FAMULNH.PH7)									
4323394	31B14	7.0	010	S	B		4323394	A	
	28C21	8.9	020	L	.		2841952	A	
	13C04	2.7	030	L	.		8022254	A	
	13C40	3.9	040	L	.		8022202	A	
	10C08	2.6	050	L	.		8010858	A	
	11C35	5.2	060	C	C		4323394	A	
	11D35	4.3	070	C	C		4323394	A	
	06D11	4.5	080	L	.		2405480	A	
	14D20	8.2	090	L	.		7900050	A	
	17E40	1.5	100	L	.		7904302	A	
	16E26	48.8T	105	T	T		4323394	A	
NFANIMP									
4323398	11B30	2.1	010	L	.		4323320	B	
	07B35	5.0	020	S	I		4323398	B	
	09C20	7.1T	025	T	T		4323398	B	
FAPRIV									
4324300	08A13	9.0	010	S	B		4324300	A	
	17B03	9.0T	015	L	.		4324320	A	
(FAPRIV.NMASTER)									
4324320	27A03	10.4	010	L	.		8065256	A	
	17B02	8.7	020	S	B		4324320	A	
	17C47	19.1T	025	L	.		8065433	A	
FAPSD									
4324350	14C07	8.1	010	L	.		2405430	A	
	08B10	5.3	020	S	I		4324350	A	
	18B06	5.2	030	L	.		4323359	A	
	23B41	.6	040	L	.		6196318	C	
	23B33	2.9	050	L	.		6038042	A	
	19B42	4.7	060	L	.		2404484	A	
	28B43	12.4	070	L	.		4324400	A	
	14C45	9.6	080	L	.		2841352	A	
	30C20	4.4	090	L	.		4324360	A	
	29B38	6.4	095	T	T		4324350	A	
	17B44	59.6T	110	L	.		4324377	G	
FAPSD-1									
4324353	05C47	3.5	010	S	I		4324353	A	
	11C36	5.2	020	C	C		4324353	A	
	11D36	8.0	030	C	C		4324353	A	
	07E46	7.4	040	L	.		6942304	A	
	10D41	1.9	050	L	.		3900910	A	
	13D47	.8	060	L	.		6942318	A	
	14D43	4.7	070	L	.		7900045	A	
	16E23	31.5T	075	T	T		4324353	A	
NFAPSD									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4324355	08B09	2.8	010	L	.	.	4324350	A	
	10B33	7.6	020	S	I	.	4324355	A	
	05C31	2.7	030	L	.	.	4324353	A	
	09C21	13.1T	035	T	T	.	4324355	A	
(FAPSD.PH1)									
4324360	30C05	3.1	010	S	B	.	4324360	A	
	25C13	3.3	020	T	T	.	4324360	A	
	20C20	.3	030	L	.	.	1286630	A	
	20C23	6.7T	035	L	.	.	2404494	A	
(FAPSD.PH3)									
4324365	30C17	7.8	010	S	B	.	4324365	A	
	16C08	5.2	030	C	C	.	4324365	A	
	16D08	10.3	040	C	C	.	4324365	A	
	20E47	8.7	050	L	.	.	2407004	A	
	11F30	8.6	060	L	.	.	2405910	A	
	07E12	6.5	070	L	.	.	7900392	A	
	12D28	47.1T	075	T	T	.	4324365	A	
(FAPSD.PH4)									
4324370	30C18	3.4	010	S	B	.	4324370	A	
	24C12	5.8	020	L	.	.	6196210	A	
	20B29	3.3	030	L	.	.	2841060	A	
	17B06	4.2	040	L	.	.	3078800	A	
	09B13	10.2	050	L	.	.	6927010	A	
	16C33	5.2	060	C	C	.	4324370	A	
	16D33	5.4	070	C	C	.	4324370	A	
	10D01	9.8	080	L	.	.	7901510	A	
	14E35	7.2	090	L	.	.	3107044	A	
	12D24	54.5T	095	T	T	.	4324370	A	
(FAPSD.PH5)									
4324375	30C19	11.2	010	S	B	.	4324375	A	
	20B08	7.5	030	L	.	.	8065417	A	
	16A04	9.3	040	L	.	.	8065110	A	
	09B12	10.4	050	L	.	.	6927114	A	
	16C34	5.2	060	C	C	.	4324375	A	
	16D34	12.0	070	C	C	.	4324375	A	
	08F05	1.8	080	L	.	.	5779302	A	
	08F26	2.5	090	L	.	.	5779102	A	
	10F06	59.9T	095	T	T	.	4324375	A	
(FAPSD.PH6)									
4324377	17B36	5.6	010	S	B	.	4324377	G	
	18C33	5.6T	020	L	.	.	2842050	G	
(FAPSD.PRE3)									
4324400	28B45	2.7	010	S	B	.	4324400	A	
	23B44	6.7	020	L	.	.	6038040	A	
	31C09	5.2	030	C	C	.	4324400	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		31D09	3.1	040	C	C	4324400	A	
		30D40	6.7	050	L	.	7900284	A	
		21E03	12.4	060	L	.	2405499	A	
		04D22	14.2	070	L	.	7900076	A	
		20E33	11.3	080	L	.	2407004	A	
		11F50	62.3T	085	T	T	4324400	A	
FARWD									
4324500		03B35	.2	010	S	B	4324500	A	
		03B34	2.3	020	S	B	4324502	A	
		07B30	6.0	030	L	.	3689395	A	
		08A26	10.3	040	L	.	3078000	A	
		10C10	12.4	050	L	.	8010858	A	
		16A24	15.8	060	L	.	3689200	A	
		24C42	8.5	070	L	.	2841652	A	
		25B09	1.9	090	L	.	2841664	A	
		26B30	.9	100	L	.	2842072	C	
		27B24	1.2	110	L	.	2841870	A	
		28B14	2.2	120	L	.	3651010	A	
		31B24	2.3	130	L	.	3651210	A	
		32B03	8.7	140	L	.	4324520	A	
		29C26	2.2	150	L	.	2405434	A	
		31C41	5.2	160	C	C	4324500	A	
		31D41	4.6	170	C	C	4324500	A	
		22D39	2.4	175	L	.	6041102	C	
		22D08	4.4	180	L	.	2904500	A	
		18D40	2.6	200	L	.	3060002	A	
		13D38	1.1	210	L	.	7900065	A	
		13D27	.3	220	L	.	7900066	A	
		13D24	4.7	230	L	.	7900066	A	
		05D13	10.7	250	L	.	6977010	A	
		04F09	5.9	260	L	.	4324508	A	
		10F50	116.8T	265	T	T	4324500	A	
NFARWD									
4324508		04F10	9.9	010	S	I	4324508	A	
		08D44	10.9	020	L	.	5152170	A	
		10F36	10.7	025	T	T	4324508	A	
		09D40	31.5T	030	L	.	4323305	N	
(FARWD.PH7)									
4324520		32B02	13.3	010	S	B	4324520	A	
		12B46	3.6	020	L	.	7430144	A	
		15C04	5.2	030	C	C	4324520	A	
		15D04	2.9	040	C	C	4324520	A	
		14D36	10.1	050	L	.	7900055	A	
		18F03	4.6	060	L	.	2401080	A	
		10F08	39.7T	065	T	T	4324520	A	
FAS10									
4324540		08B27	.8	010	S	I	4324542	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	08B18	10.2	020	S	I		4324540	A	
	26B34	.6	030	L	.		6196214	A	
	25B31	4.7	040	L	.		2842064	A	
	23C11	5.2	050	C	C		4324540	A	
	23D11	16.9	060	C	C		4324540	A	
	15F40	10.5	070	L	.		4324546	A	
	06E30	48.9T	075	T	T		4324540	A	
(FAS10.NFAIM)									
4324546	15F34	.2	010	S	B		4324546	A	
	15F35	16.9	020	S	B		4324548	A	
	05D18	11.8	030	L	.		6977004	A	
	10F01	28.9T	035	T	T		4324546	A	
FAS11									
4324550	08A38	4.9	010	L	.		4321120	A	
	08B34	.2	020	S	I		4324552	A	
	08B35	2.4	030	S	I		4324550	A	
	12B42	3.4	040	L	.		7430146	A	
	14C04	3.4	050	L	.		8022210	A	
	16B42	14.3T	055	T	T		4324550	A	
NFAS11/1									
4324560	08B04	2.7	010	L	.		4324540	A	
	08B40	4.9	020	L	.		4324552	A	
	17B34	.3	030	S	B		4324560	A	
	17B33	7.9T	035	S	B		4324562	A	
FASEL									
4324600	29B06	4.0	010	T	T		4324600	A	
	32B40	3.9	020	L	.		4324630	A	
	25B33	6.3	030	L	.		2842066	A	
	13B37	7.1	040	L	.		2405374	A	
	10C38	3.8	050	L	.		3405158	A	
	14C17	8.5	060	L	.		8022212	A	
	14A43	4.7	070	L	.		4324610	A	
	09A13	38.3T	075	S	I		4324600	A	
FASEL-1									
4324610	14A45	14.0	010	S	B		4324610	A	
	23C34	5.2	020	C	C		4324610	A	
	23D34	4.4	030	C	C		4324610	A	
	14D33	2.5	040	L	.		7900047	A	
	10D28	2.7	050	L	.		3900910	A	
	06D38	3.7	060	L	.		2405490	A	
	08E03	1.8	070	L	.		6977024	A	
	05E04	1.8	080	L	.		3905404	A	
	04E25	2.0	090	L	.		6911320	A	
	08E25	2.0	100	L	.		6911522	A	
	12E25	6.3	110	L	.		6911120	A	
	12D12	46.4T	115	T	T		4324610	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NFASEL/1									
4324620	09A08	7.1	010	L	.		4324600	A	
	07B20	2.3	020	L	.		1313780	A	
	04B35	.2	030	S	I		4324620	A	
	04B34	7.7	040	S	I		4324622	A	
	09C34	17.3T	045	T	T		4324620	A	
(FASEL.PH3)									
4324630	32B46	7.2	010	S	B		4324630	A	
	22C06	5.7	020	L	.		6196200	A	
	23B06	7.6	030	L	.		6038048	A	
	13B45	4.1	040	L	.		7430128	A	
	10C06	2.9	050	L	.		8010150	A	
	11C38	5.2	060	C	C		4324630	A	
	11D38	6.0	070	C	C		4324630	A	
	13E33	3.4	080	L	.		7900350	A	
	18E21	1.3	090	L	.		7900290	A	
	16E18	43.4T	095	T	T		4324630	A	
FASH									
4324650	07A01	24.5	010	S	I		4324650	A	
	28C50	6.8	020	L	.		4324670	A	
	15C46	5.2	030	C	C		4324650	A	
	15D46	3.9	040	C	C		4324650	A	
	13D05	.4	050	L	.		7900071	A	
	13D11	2.1	060	L	.		7900068	A	
	17D14	7.4	070	L	.		7900466	A	
	18E36	9.7	080	L	.		3060136	A	
	32E03	19.6	090	L	.		7627100	A	
	01D20	15.5	100	C	C		4324650	A	
	32N20	5.5	110	C	C		4324650	A	
	21N20	9.8	120	L	.		2500020	A	
	20Q04	.1	130	L	.		6047600	A	
	20Q06	3.6	140	L	.		6047500	A	
	22P45	114.1T	145	T	T		4324650	A	
(FASH.PH5.NFL2)									
4324670	28C37	2.1	010	S	B		4324670	A	
	32C40	8.2	020	L	.		2841750	A	
	26B39	3.6	030	L	.		6196218	A	
	27C11	5.2	040	C	C		4324670	A	
	27D11	4.4	050	C	C		4324670	A	
	22D37	3.2	060	L	.		6041100	A	
	22E06	26.7T	065	T	T		4324670	A	
(FASTNABORT.PH9)									
4324671	32F17	12.6	010	S	I		4324671	A	
	29D10	5.9	020	S	B		4324672	A	
	18D19	7.7	030	L	.		3060006	A	
	22E25	26.2T	035	T	T		4324671	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
FASTABORT									
4324674	23A14	.6	010	S	-CON		4324674	A	
	23A06	6.9	020	S	-CON		4324676	A	
	23B28	4.8	030	L	.		6196318	C	
	32B24	14.4	040	L	.		4324678	A	
	11C06	5.2	050	C	C		4324674	A	
	11D06	1.1	060	C	C		4324674	A	
	09D04	.3	070	L	.		3900932	A	
	09D03	21.8	080	L	.		7901536	A	
	32F01	14.7	085	L	.		4324671	A	
	20D25	69.8T	095	L	.		7890195	K	
(FASTABORT.ENDE)									
4324678	32B34	21.6	010	S	B		4324678	A	
	01C46	31.2	020	C	C		4324678	A	
	32Q46	15.2	030	C	C		4324678	A	
	26N21	4.1	040	L	.		3060412	A	
	20N08	6.9	060	L	.		4324679	A	
	19P24	15.6	070	L	.		3060267	A	
	01Q42	14.3	080	L	.		1166510	A	
	05N18	5.2	090	C	C		4324678	A	
	05M18	16.4	100	C	C		4324678	A	
	30L39	4.9	110	L	.		1006508	A	
	30M35	135.4T	115	T	T		4324678	A	
N(FASTABORT.ENDE)									
4324679	20N13	3.8	010	S	I		4324679	A	
	25N31	23.2	015	L	.		7651006	J	
	01Q41	3.5	020	L	.		8022100	A	
	06Q27	30.5T	025	T	T		4324679	A	
NFASTF1									
4324682	23A12	8.5	010	S	NFF		4324682	A	
	27B27	8.5T	015	L	.		3405164	A	
4324684-1	23A11	.0T	005	S	+		4324684	A	I
NFASTF2									
4324692	23A07	.0T	005	S	NFF		4324692	A	I
FAST-1									
4324700	29B08	3.7	010	T	T		4324700	A	
	32B38	2.1	020	L	.		4324722	A	
	32B10	.9	030	L	.		4324725	A	
	32B22	2.8	040	L	.		4324678	A	
	28B37	.6	050	L	.		4324720	A	
	28B42	1.5	060	L	.		4324960	A	
	28B22	2.2	070	L	.		2841178	A	
	26B06	1.1	080	L	.		2841974	A	
	24B04	2.9	090	L	.		6038034	A	
	19B10	4.1	100	L	.		4324706	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	11B07	4.0	110	L	.		8010158	A	
	14A40	10.3	120	L	.		4324702	A	
	10C15	1.4	130	L	.		8010150	A	
	10C30	10.7	140	L	.		3405158	A	
	07A45	48.3T	145	S	I		4324700	A	
FAST-2									
4324702	14A34	11.1	010	S	B		4324702	A	
	17C21	2.5	020	L	.		8065436	A	
	12C21	.9	030	L	.		4324714	A	
	12C30	3.8	040	L	.		4324712	A	
	07C11	5.2	050	C	C		4324702	A	
	07D11	2.5	060	C	C		4324702	A	
	02D11	4.5	070	L	.		2400206	A	
	10D20	1.0	080	L	.		3901404	A	
	10D34	2.4	090	L	.		3900906	A	
	13D46	2.2	095	L	.		6942318	D	
	13E06	6.4	100	L	.		6825319	A	
	20E43	12.6	110	L	.		2407002	C	
	32D25	.5	120	L	.		4324704	A	
	32D28	.2	130	L	.		4324920	A	
	32D29	2.8	140	L	.		4324708	A	
	30D50	58.6T	145	T	T		4324702	A	
(FAST.PH1/A)									
4324704	06E37	8.4	010	T	T		4324704	A	
	10D18	11.2	020	L	.		3901404	A	
	12F13	9.2	030	L	.		7514100	A	
	23E30	2.4	040	L	.		7890530	A	
	26E41	2.9	050	L	.		7890742	A	
	25E09	2.1	060	L	.		7890640	A	
	29E11	5.1	070	L	.		7890442	A	
	32D33	41.3T	075	S	B		4324704	A	
N(FAST.PH1/A)									
4324706	01A29	12.1	010	C	C		4324706	A	
	19B01	9.6	020	S	I		4324706	A	
	32K29	2.8	030	C	C		4324706	A	
	27K25	1.5	040	L	.		3405000	A	
	27K05	1.1	050	L	.		3405100	A	
	28K13	27.1T	055	T	T		4324706	A	
(FAST.PH1/C)									
4324708	32D14	3.8	010	S	B		4324708	A	
	28D38	4.4	020	L	.		7890230	A	
	29E19	3.2	030	L	.		7890346	A	
	25E03	12.2	040	L	.		7890825	A	
	12F06	10.9	050	L	.		7514100	A	
	06D39	2.1	060	L	.		2405492	A	
	06D12	9.1	070	L	.		3900900	A	
	23D04	5.2	080	C	C		4324708	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	23C04	2.5	090	C	C		4324708	A	
	28C04	5.6	100	L	.		6196404	A	
	29B09	59.0T	105	T	T		4324708	A	
(FAST.PH1/E.SW5)									
4324712	01A02	17.1	010	C	C		4324712	A	
	12C15	21.2	020	S	B		4324712	A	
	32K02	20.4	030	C	C		4324712	A	
	05L24	8.6	040	L	.		1000124	A	
	09K06	67.3T	045	T	T		4324712	A	
(FAST.PH1/E.SW6)									
4324714	12C14	6.1	010	S	B		4324714	A	
	01C06	31.2	020	C	C		4324714	A	
	32Q06	11.2	030	C	C		4324714	A	
	14P46	2.0	040	L	.		1160118	A	
	13P26	50.5T	045	T	T		4324714	A	
(FAST.PH2)									
4324720	28B36	8.9	010	S	B		4324720	A	
	23A19	13.9	020	L	.		4324694	A	
	17C25	4.9	030	L	.		1306630	A	
	16B38	27.7T	035	T	T		4324720	A	
(FAST.PH4)									
4324722	32B35	4.5	010	S	B		4324722	A	
	26B15	7.0	020	L	.		2841976	A	
	27C34	5.2	030	C	C		4324722	A	
	27D34	7.9	040	C	C		4324722	A	
	14D13	5.8	050	L	.		7901500	A	
	06D37	8.5	060	L	.		2405488	A	
	12E42	7.3	070	L	.		7904502	A	
	12D14	46.2T	075	T	T		4324722	A	
(FAST.PH9)									
4324725	32B01	10.0	010	S	B		4324725	A	
	23C05	5.2	020	C	C		4324725	A	
	23D05	3.3	030	C	C		4324725	A	
	29D09	11.5	040	L	.		4324672	A	
	32F03	14.4	050	L	.		3060010	A	
	18D46	4.1	060	L	.		3060350	A	
	14E04	1.1	070	L	.		3060150	A	
	16E06	49.6T	075	T	T		4324725	A	
FAST/A-1									
4324727	05C44	3.7	010	S	I		4324727	A	
	10C28	13.4	020	L	.		3405154	A	
	18A42	8.5	025	L	.		7343160	B	
	27B26	3.2	030	L	.		3405164	A	
	23B10	9.7	040	L	.		6196316	A	
	32C10	6.1	050	L	.		2841150	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	23C35	5.2	060	C	C		4324727	A	
	23D35	10.4	070	C	C		4324727	A	
	20F10	3.9	080	L	.		4324738	A	
	19F33	64.1T	085	T	T		4324727	A	
FAST/A-2									
4324728	12D21	3.9	010	T	T		4324728	A	
	05D15	.5	020	L	.		6977002	A	
	06D15	10.0	030	L	.		3900902	A	
	22D44	6.8	050	L	.		2843852	A	
	29E17	1.5	060	L	.		7890848	A	
	31E26	22.7T	065	S	I		4324728	A	
NFAST/A									
4324730	11A26	2.7	010	S	I		4324730	A	
	07A39	12.1	020	L	.		4324700	A	
	09C47	5.8	030	T	T		4324730	A	
	10B42	7.7	040	L	.		4324850	A	
	05C42	2.2	050	L	.		4324727	A	
	07C26	5.2	060	C	C		4324730	A	
	07D26	1.7	070	C	C		4324730	A	
	08D41	15.3	080	L	.		5152170	A	
	31E24	52.7T	085	L	.		4324728	A	
(FAST/A.PH8)									
4324738	20F01	5.6	010	S	B		4324738	A	
	13E43	5.6T	015	L	.		6825325	A	
NFAST/B									
4324750	04B06	5.6	010	S	I		4324750	A	
	10B39	6.3	020	L	.		4324850	A	
	07C33	5.2	030	C	C		4324750	A	
	07D33	1.0	040	C	C		4324750	A	
	08D42	9.9	050	L	.		5152170	A	
	10F19	28.0T	055	T	T		4324750	A	
FAST/C									
4324760	07A46	11.8	010	S	I		4324760	A	
	15C09	5.2	020	C	C		4324760	A	
	15D09	10.2	030	C	C		4324760	A	
	07E18	6.9	040	L	.		7900390	A	
	17E44	10.2	050	L	.		7901700	A	
	26D38	44.3T	055	T	T		4324760	A	
FAST/L									
4324800	03B25	7.4	010	S	B		4324800	A	
	04C47	16.7	020	L	.		7421000	A	
	21B04	12.8	030	L	.		6196306	A	
	30C43	8.7	040	L	.		4324820	A	
	19C02	5.2	050	C	C		4324800	A	
	19D02	10.8	060	C	C		4324800	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19F06	3.2	070	L	.	5125330	A	
		19F47	64.8T	075	T	T	4324800	A	
(FAST/L.PH6)									
4324820	30C45	12.1	010	S	B		4324820	A	
	23B02	1.5	020	L	.		6196310	A	
	20B02	4.8	025	L	.		6196122	M	
	13B20	10.0	030	L	.		7430124	A	
	04C27	1.7	040	L	.		7335800	A	
	04C46	4.3	050	L	.		7421000	A	
	11C39	5.2	060	C	C		4324820	A	
	11D39	4.2	070	C	C		4324820	A	
	06D18	4.6	080	L	.		3900904	A	
	14D10	2.4	090	L	.		7901504	A	
	13D36	3.1	100	L	.		7900064	A	
	12E05	2.7	110	L	.		6825310	A	
	13D42	2.1	120	L	.		6942320	A	
	12D20	58.7T	125	T	T		4324820	A	
FAST/M									
4324850	10B45	4.7	010	S	I		4324850	A	
	03B29	9.7	020	L	.		4324800	A	
	21B40	7.8	030	L	.		2841658	A	
	30C14	5.4	040	L	.		4324870	A	
	21C26	4.5	050	L	.		2841956	A	
	14C11	3.1	060	L	.		2405430	A	
	19C03	5.2	070	C	C		4324850	A	
	19D03	15.8	080	C	C		4324850	A	
	11F21	15.0	090	L	.		2401020	A	
	20D21	3.8	100	L	.		6041110	J	
	26D34	75.0T	105	T	T		4324850	A	
(FAST/M.PRE3.NO0)									
4324870	30C06	7.5	010	S	B		4324870	A	
	25B07	1.3	020	L	.		2841662	A	
	23B08	4.3	030	L	.		6196314	A	
	15B04	12.2	040	L	.		2405352	A	
	04C24	5.0	050	L	.		7335800	A	
	11C43	5.2	060	C	C		4324870	A	
	11D43	3.3	070	C	C		4324870	A	
	12E11	13.0	080	L	.		6825311	A	
	26D01	51.8T	085	T	T		4324870	A	
FAST/S									
4324900	03B26	7.0	010	S	B		4324900	A	
	14B06	1.0	020	L	.		2405360	A	
	14B20	1.1	030	L	.		2405364	A	
	15B27	13.0	040	L	.		2405356	A	
	30C31	8.9	050	L	.		4324940	A	
	15C14	5.2	060	C	C		4324900	A	
	15D14	13.4	070	C	C		4324900	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19F26	15.8	080	L	.		5125350	A	
	26D02	65.4T	085	T	T		4324900	A	
(FAST.PH1/E)									
4324920	23B12	1.1	010	L	.		6038048	A	
	22B20	9.1	020	T	T		4324920	A	
	27C37	5.2	030	C	C		4324920	A	
	27D37	2.4	040	C	C		4324920	A	
	32D34	13.4	050	S	B		4324920	A	
	05D33	10.1	060	L	.		2400200	A	
	13E46	41.3T	065	L	.		7900350	A	
(FAST/S.PH6)									
4324940	30C47	8.7	010	S	B		4324940	A	
	23B47	14.6	020	L	.		6038038	A	
	04C42	8.1	030	L	.		7421002	A	
	16C14	5.2	040	C	C		4324940	A	
	16D14	.8	050	C	C		4324940	A	
	17D10	3.4	060	L	.		7901032	A	
	14D39	9.3	070	L	.		7900057	A	
	07E47	11.3	080	L	.		6942308	A	
	23F21	12.5	090	L	.		7901204	A	
	26D10	73.9T	095	T	T		4324940	A	
(FAST.PRE3)									
4324960	28B44	8.0	010	S	B		4324960	A	
	17B10	5.5	020	L	.		1074225	A	
	16C11	5.2	030	C	C		4324960	A	
	16D11	5.6	040	C	C		4324960	A	
	09D39	6.5	050	L	.		7890850	A	
	13E29	5.7	060	L	.		6825325	A	
	21E02	7.8	070	L	.		2843862	A	
	26D05	44.3T	075	T	T		4324960	A	
FASTORE									
4325000	26B12	2.6	010	L	.		2841974	A	
	24B37	1.9	020	L	.		2841960	A	
	23B20	5.1	030	L	.		6038044	A	
	15B03	4.0	040	L	.		2405354	A	
	08B06	8.4	050	S	I		4325000	A	
	14C08	1.3	060	L	.		2405432	A	
	15C17	5.2	070	C	C		4325000	A	
	15D17	10.8	080	C	C		4325000	A	
	13F04	8.2	090	L	.		4425850	A	
	14D45	8.0	100	L	.		7900046	A	
	02D20	1.2	110	L	.		2400208	A	
	04D21	2.7	120	L	.		7900076	A	
	09D26	10.9	130	L	.		6825315	A	
	29D14	1.6	140	L	.		2401140	A	
	26D19	71.9T	145	T	T		4325000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
FASTORE/1									
4325020	04B24	5.0	010	L	.		4325025	A	
	10B01	7.6	020	S	I		4325020	A	
	23B18	9.5	030	L	.		6038044	A	
	15C25	5.2	040	C	C		4325020	A	
	15D25	1.6	050	C	C		4325020	A	
	14D12	8.6	060	L	.		7900052	A	
	19E24	37.5T	065	T	T		4325020	A	
NFASTORE/1									
4325025	04B26	10.9	010	S	I		4325025	A	
	24B38	9.2	020	L	.		2841960	A	
	20A12	20.1T	025	T	T		4325025	A	
FASTORE/3									
4325040	18C37	.7	005	L	.		6902656	U	
	18C27	11.3	010	L	.		6902652	A	
	08B13	5.1	020	L	.		4325045	A	
	08A15	5.7	030	S	B		4325040	A	
	08B21	22.8T	035	L	.		4425800	A	
NFASTORE/3									
4325045	08B15	.2	010	S	I		4325045	A	
	08B14	7.6	020	L	.		4325000	A	
	09C37	7.8T	025	T	T		4325045	A	
FASUB									
4325100	07A34	13.9	010	S	I		4325100	A	
	15C26	5.2	020	C	C		4325100	A	
	15D26	6.6	030	C	C		4325100	A	
	18E23	1.4	040	L	.		7900292	A	
	19E35	27.1T	045	T	T		4325100	A	
NFASUB/1									
4325120	07A23	5.5	010	L	.		4325100	A	
	10B08	2.8	020	L	.		4320380	A	
	10B46	5.6	030	S	I		4325120	A	
	09C44	13.9T	035	T	T		4325120	A	
FAW									
4325150	08A14	7.0	010	S	B		4325150	A	
	08B38	8.0	020	L	.		4325160	A	
	15C27	5.2	030	C	C		4325150	A	
	15D27	4.8	040	C	C		4325150	A	
	15E21	2.0	050	L	.		7900396	A	
	19E21	27.0T	055	T	T		4325150	A	
NFAW									
4325160	08B41	8.6	010	S	I		4325160	A	
	09A03	14.0	020	L	.		4325180	A	
	09C46	22.6T	025	T	T		4325160	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
FAWORDW									
4325180	09A02	20.5	010	S	I		4325180	A	
	22C47	6.0	020	L	.		6902342	A	
	22B37	26.5T	025	T	T		4325180	A	
FCXS									
4334100	27F14	1.4	010	S	B		4334100	A	
	28F02	14.3	020	L	.		4334110	A	
	02F23	14.5	030	C	C		4334100	A	
	31Q23	13.8	040	C	C		4334100	A	
	12P35	1.4	050	L	.		4385004	A	
	13P23	45.4T	055	T	T		4334100	A	
NFCXS									
4334110	28F05	11.7	010	S	I		4334110	A	
	08F24	7.7	020	L	.		4334130	A	
	06E04	19.4T	025	T	T		4334110	A	
(FCXS+PSWIXS)									
4334130	08F34	3.7	010	S	I		4334130	A	
	02F24	14.5	020	C	C		4334130	A	
	31Q24	15.2	030	C	C		4334130	A	
	11P23	.2	040	L	.		4410107	A	
	11P22	.8	050	L	.		4460107	A	
	11P15	1.0	060	L	.		4385007	A	
	13P15	35.4T	065	T	T		4334130	A	
FL1									
4375100	06E46	1.1	010	T	T		4375100	A	
	04E44	2.4	020	L	.		7904000	A	
	08E50	11.1	030	L	.		2405496	A	
	13D09	5.4	040	L	.		7900070	A	
	14E05	11.8	050	L	.		7904100	A	
	02F13	14.5	060	C	C		4375100	A	
	31Q13	14.8	070	C	C		4375100	A	
	10P25	4.4	080	L	.		1306530	A	
	12Q02	65.5T	085	S	FF		4375100	A	
NFL1									
4375101	14D07	1.4	010	L	.		7900052	A	
	13D19	3.5	020	L	.		7900070	A	
	10D42	6.7	030	L	.		7901516	A	
	01D12	15.5	040	C	C		4375101	A	
	32N12	20.9	050	C	C		4375101	A	
	12Q21	48.0T	055	S	NFF		4375101	A	
4375102-1									
	12P40	3.6	010	S	+		4375104	A	
	12Q18	3.6T	015	S	+		4375102	A	
FL2									
4375120	02D43	4.0	010	L	.		2405700	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		08D26	.5	020	L	.	2900690	A	
		08D23	1.7	030	L	.	2900640	A	
		08D02	16.8	040	L	.	2405590	A	
		02F46	14.5	050	C	C	4375120	A	
		31Q46	20.4	060	C	C	4375120	A	
		16N14	9.4	070	L	.	2371070	A	
		10P30	4.3	080	L	.	1316530	A	
		12Q04	71.6T	085	S	FF	4375120	A	
NFL2 4375121		29B19	7.4	010	T	T	4375121	A	
		28C41	7.8	020	L	.	4324670	A	
		16C18	5.2	030	C	C	4375121	A	
		16D18	12.5	040	C	C	4375121	A	
		32E07	9.5	050	L	.	4425400	A	
		14E02	7.0	060	L	.	3060152	A	
		08D18	4.3	070	L	.	2900590	A	
		02D39	4.4	080	L	.	2405541	A	
		03E21	25.0	090	C	C	4375121	A	
		32M21	16.8	100	C	C	4375121	A	
		11L07	13.9	110	L	.	4385902	A	
		24M38	5.2	120	C	C	4375121	A	
		24N38	5.1	130	C	C	4375121	A	
		17N15	12.2	140	L	.	2081070	A	
		12Q05	136.3T	145	S	NFF	4375121	A	
4375122-1		12P47	1.9	010	S	+	4375124	A	
		12Q03	1.9T	015	S	+	4375122	A	
FL3 4375130		08D06	1.3	010	L	.	2405590	A	
		08D24	7.5	020	L	.	2900640	A	
		14E13	4.6	030	L	.	3060152	A	
		18E50	13.2	040	L	.	3060235	A	
		02F50	14.5	050	C	C	4375130	A	
		31Q50	19.1	060	C	C	4375130	A	
		10P03	7.3	070	L	.	4413002	A	
		11Q26	1.4	080	L	.	3060308	A	
		12Q14	68.9T	085	S	FF	4375130	A	
NFL3 4375131		02D44	4.5	010	L	.	2405700	A	
		08D27	12.5	020	L	.	2900690	A	
		30D07	1.5	030	L	.	1312796	A	
		30D27	1.8	040	L	.	1312795	A	
		31D06	5.2	050	C	C	4375131	A	
		31C06	13.8	060	C	C	4375131	A	
		04C10	3.2	070	L	.	7900024	A	
		01C37	31.2	080	C	C	4375131	A	
		32Q37	15.0	090	C	C	4375131	A	
		26N17	17.4	100	L	.	4421650	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		12Q12	106.1T	105	S	NFF	4375131	A	
4375132-1	12P29	3.9	010	S	+		4375134	A	
	12Q11	3.9T	015	S	+		4375132	A	
(R/FL3)									
4375150	18E19	8.4	010	S	I		4375150	A	
	02E25	14.5	020	C	C		4375150	A	
	31P25	14.0	030	C	C		4375150	A	
	12Q15	5.8	040	L	.		4375137	A	
	13P10	42.7T	045	T	T		4375150	A	
FMCL/1									
4381100	24T03	1.9	010	S	-IDS		4381102	A	
	24T29	6.1	020	S	-BDS		4381100	A	
	22S31	4.0	030	L	.		3846020	A	
	29S40	1.4	040	L	.		3181000	A	
	27S46	13.4T	045	T	T		4381100	A	
FNC0									
4384000	07F06	.0T	005	S	-BCR		4384000	A	I
4384020-1	06F27	2.5	010	S	B		4384020	A	
	05F02	2.5T	015	L	*		4384020	A	
FNC1									
4384100	07F04	.0T	005	S	-BCR		4384100	A	I
4384120-1	06F28	2.4	010	S	B		4384120	A	
	05F01	2.4T	015	L	*		4384120	A	
FNC2									
4384200	07F10	.0T	005	S	-BCR		4384200	A	I
4384220-1	06F25	1.7	010	S	B		4384220	F	
	05F09	1.7T	015	L	*		4384220	A	
FNF									
4385000	32L39	16.1	010	C	C		4385000	A	
	04L11	9.7	020	L	.		1070122	A	
	10M31	5.2	030	C	C		4385000	A	
	10N31	4.3	040	C	C		4385000	A	
	11P14	4.9	050	S	FF		4385000	A	
	18P31	4.8	060	L	.		4385020	A	
	15Q05	45.0T	065	L	.		1310120	A	
NFNF									
4385001	11P12	.0T	005	S	NFF		4385001	A	I
4385002-1	11P11	2.1	010	S	+		4385002	A	
	12P34	2.1T	015	S	+		4385004	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1 8	15		21	28	33	37	41	77	
4385400-1	30N36	1.6	010	S	B		4385400	A	
	27N33	1.6T	015	L	*		4385400	A	
4385410-1	30N41	1.9	010	S	B		4385410	A	
	27N35	1.9T	015	L	*		4385410	A	
4385420-1	30N35	1.6	010	S	B		4385420	A	
	27N37	1.6T	015	L	*		4385420	A	
FNORM									
4385900	18L15	3.8	010	S	I		4385900	A	
	11L12	8.9	020	S	B		4385902	A	
	14M39	5.2	030	C	C		4385900	A	
	14N39	5.3	040	C	C		4385900	A	
	10P10	7.6	050	L	.		4413000	A	
	13Q22	2.0	060	L	.		3060106	A	
	17Q22	32.8T	065	T	T		4385900	A	
NFOPTION									
4392400	23P06	11.1	010	S	I		4392400	A	
	32Q24	31.2	020	C	C		4392400	A	
	01C24	7.1	030	C	C		4392400	A	
	07B43	12.8	040	L	.		4323398	A	
	20A29	62.2T	045	T	T		4392400	A	
FORCL									
4392600	16T34	3.4	010	S	I		4392600	A	
	19T08	6.0	020	L	.		3740100	A	
	22S18	.1	030	L	.		4392655	A	
	22S20	1.5	040	L	.		4392655	A	
	19S20	11.0T	045	T	T		4392600	A	
NFORCL									
4392610	19F14	8.2	010	S	I		4392610	A	
	03F09	25.0	020	C	C		4392610	A	
	32S09	3.9	030	C	C		4392610	A	
	25S03	11.6	040	L	.		7343225	A	
	16T24	8.2	050	L	.		4392600	A	
	11S18	56.9T	055	T	T		4392610	A	
NFORCL/1									
4392630	16T15	.6	010	S	I		4392630	A	
	16T23	8.8	020	L	.		4392600	A	
	11S10	9.4T	025	T	T		4392630	A	
FORCLG									
4392640	15T45	.6	010	S	FB		4392640	A	
	15T38	1.1	020	L	.		4392640	A	
	16T30	10.9	030	L	.		4392630	A	
	24S08	12.6T	035	L	.		7561015	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4395850	30D01	25.4	010	S	I		4395850	A	
	02F10	14.5	020	C	C		4395850	A	
	31Q10	8.9	030	C	C		4395850	A	
	23P13	.2	040	L	.		4395958	A	
	23P12	.5	050	L	.		4395954	A	
	23P09	.6	060	L	.		4395956	A	
	22P07	50.1T	065	T	T		4395850	A	
FPXS-0 4395954	23P10	.2	010	S	I		4395956	A	
	23P11	.9	020	S	I		4395954	A	
	23P20	.8	030	L	.		1162100	A	
	23P29	9.5	040	L	.		1202100	A	
	14N34	5.2	050	C	C		4395954	A	
	14M34	2.2	060	C	C		4395954	A	
	16M50	1.5	070	L	.		1122100	A	
	16M33	.3	080	L	.		1102100	A	
	16M29	.8	090	L	.		1042100	A	
	16M20	3.2	100	L	.		1002100	A	
	11M30	24.6T	105	T	T		4395954	A	
FPXS-1 4395958	23P15	1.3	010	S	I		4395958	A	
	23P33	1.5	020	L	.		1242100	A	
	23P50	2.0	030	L	.		1282100	A	
	22P30	4.8T	035	T	T		4395958	A	
FS 4410100	32L37	14.3	010	C	C		4410100	A	
	04L38	11.0	020	L	.		1050122	A	
	18M22	5.2	030	C	C		4410100	A	
	18N22	7.2	040	C	C		4410100	A	
	11P02	6.4	050	S	FF		4410100	A	
	18P39	4.5	060	L	.		4410120	A	
	15Q06	48.6T	065	L	.		1290120	A	
NFS 4410101	11P21	.0T	005	S	NFF		4410101	A	I
4410102-1	11P18	2.0	010	S	+		4410102	A	
	12P38	2.0T	015	S	+		4410104	A	
4410150-1	06F36	1.8	010	S	B		4410150	A	
	09F35	1.8T	015	L	*		4410150	A	
FSA 4410500	23R02	12.6	010	S	B		4410499	A	
	01R24	21.0	020	C	C		4410499	A	
	01M24	26.1	030	C	C		4410499	A	
	31K19	14.5	040	C	C		4410499	A	
	02A19	12.1	050	C	C		4410499	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	23A42	2.9	060	L	.	.	3651124	A	
	20A21	89.2T	075	T	T	.	4410499	A	
NFSHEX 4413000	19E17	6.9	010	T	T	.	4413005	A	
	21F28	19.1	020	L	.	.	5152172	A	
	02D40	3.9	030	L	.	.	2405541	A	
	08D28	.9	040	L	.	.	2900690	A	
	08D19	13.6	050	L	.	.	2900590	A	
	31D47	5.2	060	C	C	.	4413005	A	
	31C47	6.0	070	C	C	.	4413005	A	
	21C33	10.6	080	L	.	.	2841650	A	
	01C26	31.2	090	C	C	.	4413005	A	
	32Q26	17.3	100	C	C	.	4413005	A	
	10P12	114.7T	105	S	I	.	4413000	A	
FSL 4413100	30E10	7.8	010	T	T	.	4413100	A	
	27F24	5.3	020	L	.	.	5154040	A	
	29E36	14.3	030	L	.	.	7890840	A	
	03E17	25.0	040	C	C	.	4413100	A	
	32M17	14.9	050	C	C	.	4413100	A	
	10L36	67.3T	055	S	-BCR	.	4413100	A	
FUA10 4420501	03B45	1.3	010	S	B	.	4420501	A	
	04B30	11.7	020	L	.	.	4420509	A	
	26B20	6.4	030	L	.	.	2841978	A	
	31C01	5.2	040	C	C	.	4420501	A	
	31D01	.6	050	C	C	.	4420501	A	
	32D03	.3	060	L	.	.	4420530	A	
	32D04	11.7	070	L	.	.	4420520	A	
	19E04	10.0	090	T	T	.	4420501	A	
	04E41	4.1	100	L	.	.	3277180	A	
	06F14	51.3T	105	L	.	.	2183000	A	
NFUA10 4420509	04B46	2.1	010	S	I	.	4420509	A	
	06B35	7.7	020	T	T	.	4420509	A	
	07A09	9.8T	025	L	.	.	4322000	A	
(FUA10.PH4) 4420520	32D13	9.1	010	S	B	.	4420520	A	
	29E45	9.1T	015	L	.	.	7890342	A	
(FUA10.PH5) 4420530	32D02	14.4	010	S	B	.	4420530	A	
	28F31	8.2	020	L	.	.	4420550	A	
	15F50	10.7	030	L	.	.	4420560	A	
	08E24	2.1	040	L	.	.	7901524	A	
	04E21	6.6	050	L	.	.	2402922	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04D04	1.5	060	L	.	.	2400540	A	
	03D21	5.2	070	C	C	.	4420530	A	
	03C21	12.2	080	C	C	.	4420530	A	
	14B01	6.6	090	L	.	.	7430134	A	
	27B03	13.6	100	L	.	.	7430206	A	
	14C24	12.4	110	L	.	.	2405380	A	
	29B28	93.5T	115	T	T	.	4420530	A	
(FUA10.PH5.SW8)									
4420540	20D40	15.3	010	L	.	.	5151030	A	
	11F44	2.2	020	L	.	.	4420543	A	
	15F45	17.5T	025	S	B	.	4420540	A	
N(FUA10.P5.8.7)									
4420543	11F36	5.3	010	S	I	.	4420543	A	
	19F18	9.4	020	L	.	.	5153285	A	
	20D43	6.7	030	L	.	.	5153290	A	
	29D13	1.9	040	L	.	.	7900072	A	
	26D07	23.3T	045	T	T	.	4420543	A	
N(FUA10.PH5.SW10)									
4420550	28F47	13.8	010	S	I	.	4420550	A	
	24D29	16.6	020	L	.	.	2490110	A	
	03E41	25.0	030	C	C	.	4420550	A	
	32M41	15.1	040	C	C	.	4420550	A	
	24K33	9.8	050	L	.	.	1026342	A	
	15L30	6.3	060	L	.	.	5155000	A	
	11M18	86.6T	065	T	T	.	4420550	A	
(FUA10.PH5.SW12)									
4420560	12D29	3.3	010	T	T	.	4420560	A	
	06D33	7.8	020	L	.	.	2010100	A	
	18D09	3.6	025	L	.	.	3060256	C	
	25D12	18.0	030	L	.	.	7901550	A	
	15F46	32.7T	035	S	B	.	4420560	A	
FUANLZ									
4420800	03B05	10.2	010	S	B	.	4420800	A	
	16A22	.2	020	L	.	.	2840110	A	
	16A23	17.3	030	L	.	.	6752020	A	
	30C21	3.7	040	L	.	.	4420850	A	
	25C34	31.4T	045	T	T	.	4420800	A	
(FUANLZ.PH1)									
4420850	30C28	9.4	010	S	B	.	4420850	A	
	29A47	5.9	020	L	.	.	2285002	A	
	24B23	6.7	030	L	.	.	6902130	A	
	13B39	5.7	040	L	.	.	2405370	A	
	15C34	5.2	050	C	C	.	4420850	A	
	15D34	2.5	060	C	C	.	4420850	A	
	14D05	11.2	070	L	.	.	7901500	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-4420850
TYPE-PINLIST296
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	06E28	46.6T	075	T	T		4420850	A	
FUAWM 4420900	03B47	3.4	010	S	B		4420900	A	
	10B44	3.8	020	L	.		4426110	A	
	12B06	8.3	030	L	.		6910000	A	
	06C11	4.7	040	L	.		4420930	A	
	10C47	.9	050	L	.		8022218	A	
	11C41	5.2	060	C	C		4420900	A	
	11D41	5.1	070	C	C		4420900	A	
	06D08	13.1	080	L	.		2405486	A	
	11F10	3.0	090	L	.		3060187	A	
	10F47	47.5T	095	T	T		4420900	A	
N(FUAWM.PRE3)									
4420930	06C01	6.6	010	S	I		4420930	A	
	10B09	8.4	020	L	.		4320280	A	
	20A33	15.0T	025	T	T		4420930	A	
FUBAL 4421000	03B46	5.2	010	S	B		4421000	A	
	13B47	9.1	020	L	.		7430130	A	
	26B08	11.0	030	L	.		2842068	C	
	19C38	5.2	040	C	C		4421000	A	
	19D38	1.7	050	C	C		4421000	A	
	17D28	3.6	060	L	.		7900470	A	
	16E03	35.8T	065	T	T		4421000	A	
FUBCR 4421030	25B47	4.5	010	L	.		2842064	C	
	28C17	9.2	020	L	.		2841952	A	
	12C01	13.7T	025	S	B		4421030	A	
FUBCS 4421040	03B44	10.7	010	S	B		4421040	A	
	24B45	5.1	020	L	.		2842058	A	
	28C18	1.8	030	L	.		2841950	A	
	25C14	17.6T	035	T	T		4421040	A	
FUBDR 4421050	12C45	.4	010	S	B		4421050	A	
	13C42	21.8	020	L	.		7430154	A	
	30A04	.1	030	L	.		6845904	A	
	30A02	12.7	040	L	.		6846004	A	
	27C12	5.2	050	C	C		4421050	A	
	27D12	10.6	060	C	C		4421050	A	
	15E04	.5	070	L	.		7900282	A	
	16E04	51.3T	075	T	T		4421050	A	
FUBIR 4421090	12C35	1.1	010	S	B		4421090	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAG
1	8 15		21	28	33	37	41	77	
	13C43	6.1	020	L	.		7430152	A	
	21C15	15.4	030	L	.		2841954	A	
	30A09	17.4	040	L	.		6846006	A	
	19C24	5.2	050	C	C		4421090	A	
	19D24	7.2	060	C	C		4421090	A	
	14E21	52.4T	065	L	.		7900380	A	
NFUCS									
4421150	24K09	.5	002	L	.		3901152	E	
	24K12	4.1	004	L	.		1000053	E	
	31K04	14.5	006	C	C		4421150	E	
	02A04	7.4	008	C	C		4421150	E	
	12A35	3.9	010	T	T		4421150	A	
	09A04	5.9	020	L	.		4324600	A	
	10B05	3.3	030	L	.		4320900	A	
	07B29	2.4	040	L	.		1313780	A	
	04B41	42.0T	045	S	I		4421150	A	
(FUDW.NR31)									
4421200	04B19	4.6	010	S	I		4421200	A	
	13B14	.3	020	L	.		7430122	A	
	13B10	14.1	030	L	.		1313736	A	
	30C13	15.8	040	L	.		4421210	A	
	20A09	34.8T	045	T	T		4421200	A	
N(FUDW.NR31)									
4421205	06B11	3.0	010	T	T		4421205	A	
	07A44	4.8	020	L	.		4321000	A	
	03A06	5.6	030	L	.		4323300	A	
	04B03	2.1	040	L	.		4421200	A	
	07B11	1.6	050	L	.		4421220	A	
	07B33	17.1T	055	S	I		4421205	A	
(FUDW.NR31.NB31)									
4421210	30C15	4.7	010	S	B		4421210	A	
	24C34	9.1	020	S	I		4421212	A	
	07C42	5.2	030	C	C		4421210	A	
	07D42	1.5	040	C	C		4421210	A	
	06D27	5.4	050	L	.		2405494	A	
	06E29	25.9T	055	T	T		4421210	A	
(FUDW.NR31+FUSF.D23)									
4421220	07B01	3.4	010	S	I		4421220	A	
	13B08	2.4	020	L	.		1313732	A	
	13B40	7.0	030	L	.		2405366	A	
	04C07	4.1	040	L	.		7900020	A	
	09C29	16.9T	045	T	T		4421220	A	
FUEXU									
4421250	09B45	11.5	010	S	I		4421250	A	
	26B05	.3	020	L	.		2842072	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	27B04	17.3	030	L	.		4421265	A	
	07C35	5.2	040	C	C		4421250	A	
	07D35	3.2	050	C	C		4421250	A	
	05D05	20.8	060	L	.		6977010	A	
	20F44	17.0	070	L	.		4421270	A	
	12D10	75.3T	075	T	T		4421250	A	
NFUEXU 4421260	11A17	8.2	010	S	I		4421260	A	
	09B43	6.4	020	L	.		4421250	A	
	18B14	7.4	030	L	.		5011254	A	
	21C21	10.5	035	L	.		6902180	Q	
	21A22	.5	040	L	.		2841065	A	
	20A22	33.0T	045	T	T		4421260	A	
N(FUEXU. ENDE) 4421265	27B13	11.7	010	S	I		4421265	A	
	15C19	5.2	020	C	C		4421265	A	
	15D19	6.0	030	C	C		4421265	A	
	13E12	1.5	040	L	.		6942316	A	
	16E12	24.4T	045	T	T		4421265	A	
(FUEXU. (INT+IOSC)) 4421270	20F36	8.4	010	S	B		4421270	A	
	13E40	8.4T	015	L	.		6825327	A	
FUINT 4421300	03B36	13.9	010	S	B		4421300	A	
	19A31	.5	020	L	.		7439000	A	
	19A26	6.4	030	L	.		7439002	A	
	13B05	.8	040	L	.		1313738	A	
	13B12	7.1	050	L	.		7430120	A	
	26B04	2.9	060	L	.		2842070	A	
	26B41	8.0	070	L	.		6196220	A	
	21C45	1.9	080	L	.		2842078	A	
	19C34	5.2	090	C	C		4421300	A	
	19D34	8.8	100	C	C		4421300	A	
	05D10	3.0	110	L	.		6977006	A	
	10D15	2.7	120	L	.		3901402	A	
	14D02	.3	130	L	.		7901502	A	
	14D01	8.3	140	L	.		7901502	A	
	28D20	6.8	150	L	.		3078500	A	
	25E25	13.3	155	L	.		3510100	A	
	12D06	89.9T	160	T	T		4421300	AC	
(FUL1+FULCFI) 4421400	10A47	.7	010	S	B		4421402	A	
	10A37	1.3	020	S	B		4421400	A	
	11A22	4.1	030	L	.		4323025	A	
	19A20	13.2	040	L	.		7824100	A	
	22C35	1.8	050	L	.		2842454	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19C36	5.2	060	C	C	4421400	A	
		19D36	4.9	070	C	C	4421400	A	
		10D45	2.1	080	L	.	7901518	A	
		12D26	33.3T	085	T	T	4421400	A	
FULAD 4421430		08A01	11.5	010	S	B	4421430	A	
		14B45	11.6	020	L	.	1313742	A	
		31C18	5.2	030	C	C	4421430	A	
		31D18	3.3	040	C	C	4421430	A	
		25D22	9.3	050	L	.	6942310	A	
		15E10	40.9T	055	L	.	4421436	A	
FULAHORDW 4421432		14F34	1.7	010	S	B	4421432	A	
		14F15	13.6	020	S	B	4421434	A	
		29E03	5.3	025	L	.	7890846	A	
		22E27	20.6T	035	T	T	4421432	T	
N(FULAD.PRE4) 4421436		15E01	7.9	010	S	I	4421436	A	
		15F37	.3	020	L	.	6825329	A	
		15F38	12.3	030	L	.	3900926	A	
		05E09	7.5	040	L	.	3905400	A	
		12D22	28.0T	045	T	T	4421436	A	
FULRP 4421450		04B44	13.5	010	S	I	4421450	A	
		23C28	5.2	020	C	C	4421450	A	
		23D28	14.9	030	C	C	4421450	A	
		12F17	1.7	040	L	.	7395100	A	
		10F07	35.3T	045	T	T	4421450	A	
NFULRP 4421470		11A36	2.7	010	S	I	4421470	A	
		09A11	10.3	020	L	.	4323030	A	
		04B42	7.8	030	L	.	4421450	A	
		17B24	.6	040	L	.	4324560	A	
		16B22	21.4T	045	T	T	4421470	A	
FUMH 4421480		04B10	5.5	010	S	I	4421480	A	
		07A26	13.1	020	L	.	4421495	A	
		10C39	2.5	030	L	.	3405156	A	
		13C22	6.3	040	L	.	8022208	A	
		22C45	7.0	050	L	.	6902340	A	
		25B41	10.1	060	L	.	2842066	A	
		15C39	5.2	070	C	C	4421480	A	
		15D39	5.2	080	C	C	4421480	A	
		10D04	12.3	090	L	.	7901510	A	
		11F22	5.2	100	L	.	3901410	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02F11	14.5	110	C	C		4421480	A	
	31Q11	14.6	120	C	C		4421480	A	
	12P14	12.8	130	L	.		1044206	A	
	28N23	5.0	140	L	.		3901542	A	
	18N23	5.2	150	C	C		4421480	A	
	18M23	3.4	160	C	C		4421480	A	
	23M11	.8	170	L	.		1316206	A	
	22M12	128.7T	175	T	T		4421480	A	
NFUMH									
4421490	11A19	8.0	010	S	I		4421490	A	
	04B09	6.4	020	L	.		4421480	A	
	03A02	5.2	030	L	.		4323300	A	
	07A43	13.4	040	L	.		4323360	A	
	15C29	5.2	050	C	C		4421490	A	
	15D29	7.5	060	C	C		4421490	A	
	18E39	2.4	070	L	.		2405424	A	
	16E22	7.1	075	T	T		4421490	A	
	20F19	55.2T	090	L	.		4321230	F	
N(FUMH.PH4)									
4421495	07A33	2.5	010	S	I		4421495	A	
	02A33	14.5	020	C	C		4421495	A	
	31K33	9.8	030	C	C		4421495	A	
	29M11	5.2	040	C	C		4421495	A	
	29N11	11.2	050	C	C		4421495	A	
	19P20	5.9	060	L	.		3900150	A	
	29P08	2.8	070	L	.		3900140	A	
	30P37	2.0	080	L	.		2900142	A	
	28P23	53.9T	085	T	T		4421495	A	
FUMI									
4421497	17A36	13.8	010	S	B		4421497	A	
	10C37	13.8T	015	L	.		3405160	A	
FUMMC									
4421500	03B41	2.4	010	S	B		4421500	A	
	03B09	6.9	020	L	.		4421590	A	
	06A07	1.5	030	L	.		4321916	A	
	07A21	2.3	040	L	.		8165726	A	
	09A40	4.4	050	L	.		6047710	A	
	13B02	2.1	060	L	.		1313738	A	
	13B29	5.6	070	L	.		2405372	A	
	23B37	.1	080	L	.		6196324	A	
	23B39	4.9	090	L	.		6196320	A	
	24C30	3.9	100	L	.		2841654	A	
	30C42	1.9	110	L	.		4421580	A	
	32C30	9.2	120	L	.		2841250	A	
	22B44	45.2T	125	T	T		4421500	A	
(FUMMC.PH6)									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4421580	30C44	5.4	010	S	B		4421580	A	
	20C38	10.0	020	L	.		2562072	A	
	25B11	5.4	030	L	.		2841660	A	
	19B43	3.0	040	L	.		2403820	A	
	14B46	.6	050	L	.		1313740	A	
	13B43	6.8	060	L	.		7430128	A	
	19C26	5.2	070	C	C		4421580	A	
	19D26	3.7	080	C	C		4421580	A	
	18E03	4.3	090	L	.		6942200	A	
	22D38	4.3	100	L	.		6041106	C	
	14D34	8.0	110	L	.		7900056	A	
	02D05	23.0	120	L	.		2400208	A	
	23F34	6.5	130	L	.		5883104	A	
	22E24	86.2T	135	T	T		4421580	A	
FUMMC-1 4421590	03B10	5.4	010	S	B		4421590	A	
	03C11	5.2	020	C	C		4421590	A	
	03D11	1.5	030	C	C		4421590	A	
	05D20	1.5	040	L	.		6977005	A	
	05D40	.5	050	L	.		6977014	A	
	06D40	4.0	060	L	.		2405492	A	
	14D40	.6	080	L	.		7900057	C	
	14D47	4.4	090	L	.		7900045	A	
	17D04	9.5	100	L	.		7901032	A	
	20E39	6.4	110	L	.		3905410	A	
	23F36	11.2	120	L	.		5883104	A	
	13E21	.7	130	L	.		7901900	A	
	13E11	3.4	140	L	.		6825321	A	
	12E46	6.2	150	L	.		7904500	A	
	05E10	2.3	160	L	.		3905402	A	
	06E34	62.8T	165	T	T		4421590	A	
FUMSP 4421600	08B11	7.8	010	S	I		4421600	A	
	19B44	1.6	020	L	.		4421640	A	
	16B41	9.4T	025	T	T		4421600	A	
NFUMSP 4421620	06B12	3.5	010	T	T		4421620	A	
	07A42	.3	020	L	.		4324700	A	
	07A41	3.4	030	L	.		4324760	A	
	08B12	1.1	040	L	.		4421600	A	
	08B25	8.3T	045	S	I		4421620	A	
(FUMSP.PH1/F) 4421630	23N46	10.4	010	S	I		4421630	J	
	12P45	8.8	020	L	.		1004209	J	
	18N34	5.2	025	C	C		4421630	J	
	18M34	7.2	040	C	C		4421630	J	
	04M41	9.3	050	L	.		1120118	J	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
PROG-PNFRM LINE NO. - 4421630
TYPE-PINLIST

302
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	01L07	40.9T	060	T	T		4421630	J	
N(FUMSP.PH1/F)									
4421640	19B36	4.4	010	S	I		4421640	A	
	19C23	5.2	020	C	C		4421640	A	
	19D23	3.3	030	C	C		4421640	A	
	24D08	1.8	040	L	.		2405340	A	
	24D31	21.4	050	L	.		2405342	A	
	02F26	14.5	060	C	C		4421640	A	
	31Q26	5.6	070	C	C		4421640	A	
	30P28	7.8	080	L	.		2400104	A	
	23N40	2.8	090	L	.		4421630	J	
	19N27	66.8T	100	T	T		4421640	J	
(FUMSP(MC0).NFAIM.N05)									
4421644	24K26	.3	010	S	B		4421644	J	
	24K25	.1	020	S	B		4421646	J	
	24K27	9.1	030	S	B		4421648	J	
	30L40	9.5	040	L	.		1142753	J	
	22M44	19.0T	050	T	T		4421644	J	
FUMTHOVER									
4421650	26N19	17.9	010	S	B		4421650	A	
	11Q14	.6	020	L	.		3060408	A	
	11Q22	9.4	025	L	.		3060307	A	
	22P43	27.9T	030	T	T		4421650	J	
FUMTSIGN									
4421660	18B47	13.3	010	S	B		4421660	A	
	07A13	15.6	020	S	I		4421662	A	
	01C38	31.2	030	C	C		4421660	A	
	32Q38	9.0	040	C	C		4421660	A	
	28P14	6.2	050	T	T		4421660	A	
	26N13	19.0	070	L	.		4421650	A	
	11Q27	5.7	075	L	.		3060308	A	
	01Q37	100.0T	080	L	.		4421680	C	
NFUMTSIGN									
4421680	01Q36	16.6	010	S	I		4421680	C	
	21P18	.8	020	L	.		3060330	A	
	21P27	4.4	030	L	.		3060430	A	
	28P15	21.8T	035	T	T		4421680	A	
FUPLM									
4421700	08A46	18.4	010	S	B		4421700	A	
	24C43	2.9	020	L	.		7439140	A	
	19C37	5.2	030	C	C		4421700	A	
	19D37	4.5	040	C	C		4421700	A	
	17E10	1.3	050	L	.		7901702	A	
	15E06	4.4	060	L	.		7900280	A	
	07E15	2.0	070	L	.		7900392	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		05E01	11.0	080	L	.	3905404	A	
		11F40	49.7T	085	L	.	2405122	A	
NFUPSM 4421750		08C01	8.2	010	S	I	4421750	A	
		07A40	2.8	020	L	.	4324760	A	
		12A36	11.0T	025	T	T	4421750	A	
FUPSW 4421800		03B28	6.9	010	S	B	4421800	A	
		07C24	5.2	020	C	C	4421800	A	
		07D24	6.3	030	C	C	4421800	A	
		07E38	5.7	040	L	.	7901608	A	
		13E02	12.4	050	L	.	7901902	A	
		26F09	36.5T	055	T	T	4421800	A	
FUPLW 4422000		03B27	7.1	010	S	B	4422000	A	
		07C25	5.2	020	C	C	4422000	A	
		07D25	6.1	030	C	C	4422000	A	
		07E37	4.0	040	L	.	7901608	A	
		13E23	12.6	050	L	.	7901900	A	
		26D08	35.0T	055	T	T	4422000	A	
(FUSF.NP31) 4425100		07N02	3.4	010	S	B	4425100	A	
		12N13	3.5	020	L	.	1064204	A	
		19N13	6.9T	025	T	T	4425100	A	
FUS 4425150		04B05	5.5	010	S	I	4425150	A	
		12B25	1.8	020	L	.	7430140	A	
		13B04	1.8	030	L	.	1313734	A	
		13B27	4.4	040	L	.	2405370	A	
		21B34	3.5	050	L	.	2841552	A	
		25B17	6.2	060	L	.	2842060	A	
		27C17	5.2	070	C	C	4425150	A	
		27D17	7.4	080	C	C	4425150	A	
		32E14	7.1	090	L	.	4425400	A	
		18E12	6.0	100	L	.	4375150	A	
		14D27	6.5	110	L	.	7900058	C	
		04D08	1.3	120	L	.	2905506	A	
		01D09	15.5	130	C	C	4425150	A	
		32N09	9.5	140	C	C	4425150	A	
		13N09	9.4	150	L	.	4425260	A	
		06P14	4.7	160	L	.	4425300	A	
		10P50	5.1	170	L	.	4425320	A	
		13P05	100.9T	175	T	T	4425150	A	
NFUS 4425250		11A35	6.5	010	S	I	4425250	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04B02	5.6	020	L	.		4425150	A	
	03A04	2.4	030	L	.		4323302	A	
	07A10	8.4	040	L	.		4324650	A	
	20A36	22.9T	045	T	T		4425250	A	
NFUS-1									
4425260	12N02	1.1	010	L	.		1064206	A	
	13N10	8.5	020	S	I		4425260	A	
	17P25	2.5	030	L	.		1000050	A	
	22P25	12.1T	035	T	T		4425260	A	
(FUS.D22.D23)									
4425300	30M22	4.0	010	T	T		4425300	A	
	29L43	3.9	020	L	.		1006484	A	
	29M25	5.2	030	C	C		4425300	A	
	29N25	4.0	040	C	C		4425300	A	
	21N25	11.6	050	L	.		1310340	A	
	06P06	28.7T	055	S	B		4425300	A	
(FUS.D22.ND23)									
4425320	29L45	4.1	010	L	.		1006484	A	
	30M23	1.1	020	T	T		4425320	A	
	29M28	5.2	030	C	C		4425320	A	
	29N28	7.2	040	C	C		4425320	A	
	26P34	7.9	050	L	.		1310140	A	
	10P37	25.5T	055	S	B		4425320	A	
FUS/1									
4425400	32E06	18.3	010	S	B		4425400	A	
	01D38	15.5	020	C	C		4425400	A	
	32N38	8.3	030	C	C		4425400	A	
	21P09	10.0	040	L	.		3060140	A	
	11Q02	2.7	050	L	.		3060110	A	
	11Q37	8.4	060	L	.		3060208	A	
	13P04	63.2T	065	T	T		4425400	A	
FUSF									
4425500	04B17	4.8	010	S	I		4425500	A	
	04C08	5.6	020	L	.		7900024	A	
	13C21	.5	030	L	.		8022252	A	
	13C24	8.5	040	L	.		8022204	A	
	21B37	6.7	050	L	.		2841552	A	
	27C18	5.2	060	C	C		4425500	A	
	27D18	4.2	070	C	C		4425500	A	
	32D39	2.9	080	L	.		4425650	A	
	32E04	7.1	090	L	.		4425670	A	
	18E06	7.3	100	L	.		4375150	A	
	08E41	2.3	110	L	.		2405496	A	
	04E37	9.0	120	L	.		7904000	A	
	01D08	15.5	130	C	C		4425500	A	
	32N08	16.0	140	C	C		4425500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		10P09	.5	150	L	.	4413000	A	
		10P04	.1	160	L	.	4413000	A	
		10P02	5.8	170	L	.	4413002	A	
		12N11	3.1	180	L	.	1074204	A	
		07N03	.8	190	L	.	4425100	A	
		09N02	105.9T	195	T	T	4425500	A	
NFUSF									
4425550	12A45	5.0	010	T	T		4425550	A	
	07A11	2.4	020	L	.		4324650	A	
	03A05	5.4	030	L	.		4323302	A	
	04B01	5.7	040	L	.		4425500	A	
	11A41	18.5T	045	S	I		4425550	A	
(FUSF.D23)									
4425600	04B28	5.1	010	S	I		4425600	A	
	12B41	7.0	020	L	.		7430148	A	
	07C31	5.2	030	C	C		4425600	A	
	07D31	3.0	040	C	C		4425600	A	
	04D11	4.4	050	L	.		2905504	A	
	12D17	24.7T	055	T	T		4425600	A	
N(FUSF.D23)									
4425620	16B39	7.3	010	T	T		4425620	A	
	04B21	2.0	020	L	.		4425600	A	
	07B10	1.8	030	L	.		4421220	A	
	07B34	11.1T	035	S	I		4425620	A	
(FUSF.PH8)									
4425650	14B33	3.9	010	L	.		1313740	A	
	15C10	5.2	020	C	C		4425650	A	
	15D10	4.7	030	C	C		4425650	A	
	10D43	4.9	040	L	.		7901516	A	
	05E02	4.7	050	L	.		3905402	A	
	14E03	.6	060	L	.		3060152	A	
	14E11	4.0	070	L	.		7904100	A	
	18E40	12.1	080	L	.		3060235	A	
	32D45	40.1T	085	S	B		4425650	A	
FUSF/1									
4425670	31E18	.5	010	S	I		4425672	A	
	32E18	19.8	020	S	B		4425670	A	
	02F12	14.5	030	C	C		4425670	A	
	31Q12	4.3	040	C	C		4425670	A	
	29P38	11.9	050	L	.		2400109	A	
	13Q20	5.1	060	L	.		3060106	A	
	12P28	8.8	070	L	.		4375134	A	
	17N14	.4	080	L	.		2081070	A	
	16N13	2.6	090	L	.		2371070	A	
	14N35	5.2	100	C	C		4425670	A	
	14M35	10.5	110	C	C		4425670	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	05L26	8.4	120	L	.		1000131	A	
	19L43	.9	130	L	.		6911150	A	
	19L31	1.7	140	L	.		6911352	A	
	16L30	94.6T	145	T	T		4425670	A	
FUSIO									
4425700	03B18	9.2	010	S	B		4425700	A	
	07C43	5.2	020	C	C		4425700	A	
	07D43	5.4	030	C	C		4425700	A	
	11E20	5.8	040	L	.		7689150	A	
	13F14	2.9	050	L	.		8132000	A	
	17F25	7.1	060	L	.		7694100	A	
	28F03	9.6	070	L	.		4425710	A	
	32D38	7.7	080	L	.		5919900	A	
	22E04	52.9T	085	T	T		4425700	A	
NFUSIO									
4425710	28F19	7.0	010	S	I		4425710	A	
	20E50	4.9	020	L	.		2407000	A	
	16E09	11.9T	025	T	T		4425710	A	
NFUSTD									
4425800	08B28	2.3	010	S	I		4425800	A	
	10B10	3.8	020	L	.		4325020	A	
	16B19	6.1T	025	T	T		4425800	A	
(FUSTH. ENDE)									
4425850	13F05	1.0	010	S	B		4425870	A	
	13F19	.2	020	S	B		4425860	A	
	13F18	6.1	030	S	B		4425850	A	
	18E43	8.1	040	L	.		3060236	A	
	02E45	14.5	050	C	C		4425850	A	
	31P45	14.9	060	C	C		4425850	A	
	11Q41	5.6	070	L	.		3060206	A	
	17Q02	50.4T	075	T	T		4425850	A	
FUWAIT									
4425900	08A45	8.4	010	S	B		4425900	A	
	18B21	4.4	020	L	.		5011250	A	
	26B28	10.1	030	L	.		6196220	A	
	18C43	4.7	040	L	.		2842052	C	
	27C36	5.2	050	C	C		4425900	A	
	27D36	10.8	060	C	C		4425900	A	
	05D37	43.6T	065	L	.		6977020	A	
FUXW									
4426000	03B19	5.3	010	S	B		4426000	A	
	10B43	5.2	020	L	.		4426100	A	
	10C43	2.2	030	L	.		8022216	A	
	13C30	2.3	040	L	.		7430156	A	
	15C12	5.2	050	C	C		4426000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		15D12	1.1	060	C	C	4426000	A	
		14D04	5.4	070	L	.	7901504	A	
		09D47	26.7T	075	T	T	4426000	A	
NFUXW/1 4426100		22B05	7.5	010	T	T	4426100	A	
		08B08	1.3	020	L	.	4325000	A	
		10B11	1.8	030	L	.	4325020	A	
		10B35	.3	040	S	I	4426100	A	
		10B36	10.9T	045	S	I	4426110	A	
FZ 4460100		11P04	5.9	010	S	FF	4460100	A	
		18P35	4.3	020	L	.	4460120	A	
		15Q03	10.3	030	L	.	1300120	A	
		10N40	5.2	040	C	C	4460100	A	
		10M40	10.1	050	C	C	4460100	A	
		04L13	35.8T	055	L	.	1060122	A	
NFZ 4460101		11P05	10.5	010	S	NFF	4460101	A	
		24N18	5.2	020	C	C	4460101	A	
		24M18	7.7	030	C	C	4460101	A	
		32L38	23.4T	035	C	C	4460101	A	
4460102-1		11P03	2.4	010	S	+	4460102	A	
		12P30	2.4T	015	S	+	4460104	A	
G0003 4500100		29K28	12.0	010	S	B	4500100	A	
		29M47	5.2	020	C	C	4500100	A	
		29N47	7.2	030	C	C	4500100	A	
		15N46	2.0	040	L	.	1002755	A	
		19N46	26.4T	045	T	T	4500100	A	
G0407 4500150		29K17	12.4	010	S	B	4500150	A	
		29M43	5.2	020	C	C	4500150	A	
		29N43	7.3	030	C	C	4500150	A	
		15N44	2.0	040	L	.	1002756	A	
		19N44	26.9T	045	T	T	4500150	A	
G0811 4500200		30K28	12.6	010	S	B	4500200	A	
		29M50	5.2	020	C	C	4500200	A	
		29N50	7.0	030	C	C	4500200	A	
		15N50	2.0	040	L	.	1002756	A	
		19N50	26.8T	045	T	T	4500200	A	
G1215 4500250		30K17	13.1	010	S	B	4500250	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		29M42	5.2	020	C	C	4500250	A	
		29N42	7.1	030	C	C	4500250	A	
		15N47	2.0	040	L	.	1002757	A	
		19N47	27.4T	045	T	T	4500250	A	
G1619									
4500300	17N28	2.9	010	S	B		4500300	A	
	15N02	2.9T	015	L	.		1152750	A	
G2023									
4500350	17N17	2.1	010	S	B		4500350	A	
	15N04	2.1T	015	L	.		1152751	A	
G2427									
4500400	16N28	2.4	010	S	B		4500400	A	
	15N01	2.4T	015	L	.		1152751	A	
G2831									
4500450	16N17	1.4	010	S	B		4500450	A	
	15N06	1.4T	015	L	.		1152752	A	
4532000-1	30N10	3.8	010	S	B		4532000	A	
	27N45	3.8T	015	L	*		4532000	A	
GCLK-0									
4561000	28P06	6.3	010	T	T		4561000	A	
	30N09	13.3	020	L	.		4532000	A	
	24Q07	5.2	030	C	C		4561000	A	
	24R07	.5	040	C	C		4561000	A	
	25R07	.5	050	L	.		1002587	A	
	26R07	.5	060	L	.		1022587	A	
	27R07	.5	070	L	.		1042587	A	
	28R07	9.7	080	L	.		1062587	A	
	24S36	.5	090	S	B		4561000	A	
	24S41	37.0T	095	S	B		4561002	A	
GCLK-1									
4561010	24S34	.2	010	S	B		4561012	A	
	24S35	9.8	020	S	B		4561010	A	
	29R07	.5	030	L	.		1082587	A	
	30R07	.5	040	L	.		1102587	A	
	31R07	.5	050	L	.		1122587	A	
	32R07	7.9	060	L	.		1142587	A	
	27S09	19.4T	065	T	T		4561010	A	
GND1101									
4790101	01A16	.0T	005	S	-GND		4790101	A	I
GND1102									
4790102	02A16	.0T	005	S	-GND		4790102	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
4790114	14A16	.0T	005	S	-GND		4790114	A	I
GND1115									
4790115	15A16	.0T	005	S	-GND		4790115	A	I
GND1116									
4790116	16A16	.0T	005	S	-GND		4790116	A	I
GND1117									
4790117	17A16	.0T	005	S	-GND		4790117	A	I
GND1118									
4790118	18A16	.0T	005	S	-GND		4790118	A	I
GND1119									
4790119	19A16	.0T	005	S	-GND		4790119	A	I
GND1120									
4790120	20A16	.0T	005	S	-GND		4790120	A	I
GND1121									
4790121	21A16	.0T	005	S	-GND		4790121	A	I
GND1122									
4790122	22A16	.3	020	S	-GND		4790122	A	
	22A20	.3T	025	L	.		8165502	A	
GND1123									
4790123	23A08	.6	010	L	.		4324694	A	
	23A16	2.4	015	S	-GND		4790123	A	
	23A47	3.0T	020	L	.		4790123	B	
GND1124									
4790124	24A08	.6	010	L	.		8165702	A	
	24A16	.3	020	S	-GND		4790124	A	
	24A20	1.4	030	L	.		6832202	A	
	24A37	2.3T	035	L	.		5138902	A	
GND1125									
4790125	25A16	.3	010	S	-GND		4790125	A	
	25A20	1.4	015	L	.		1316604	A	
	25A37	1.7T	025	L	.		8065154	G	
GND1126									
4790126	26A16	.0T	005	S	-GND		4790126	A	I
GND1127									
4790127	27A16	.0T	005	S	-GND		4790127	A	I
GND1128									
4790128	28A13	.5	010	L	.		2840902	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	28A16	.2	020	S	-GND		4790128	A	
	28A17	.1	030	L	.		5188002	A	
	28A19	1.3	040	L	.		5110122	A	
	28A37	2.1T	045	L	.		6821202	A	
GND1129									
4790129	29A16	1.5	010	S	-GND		4790129	A	
	29A35	.1	020	L	.		2560052	A	
	29A37	.6	030	L	.		2285002	A	
	29A42	2.2T	035	L	.		2560002	A	
GND1130									
4790130	30A16	.0T	005	S	-GND		4790130	A	I
GND1131									
4790131	31A08	.6	010	L	.		6902102	A	
	31A16	.2	020	S	-GND		4790131	A	
	31A17	.5	030	L	.		6845302	A	
	31A20	1.4	040	L	.		4252002	A	
	31A37	2.7T	045	L	.		6845102	A	
GND1132									
4790132	32A08	.6	010	L	.		6902302	A	
	32A16	.2	020	S	-GND		4790132	A	
	32A17	.5	030	L	.		6846002	A	
	32A20	1.4	040	L	.		5188102	A	
	32A37	2.7T	045	L	.		6845502	A	
GND1201									
4790201	01B16	.0T	005	S	-GND		4790201	A	I
GND1202									
4790202	02B16	.0T	005	S	-GND		4790202	A	I
GND1203									
4790203	03B16	.0T	005	S	-GND		4790203	A	I
GND1204									
4790204	04B16	.0T	005	S	-GND		4790204	A	I
GND1205									
4790205	05B16	.0T	005	S	-GND		4790205	A	I
GND1206									
4790206	06B16	.0T	005	S	-GND		4790206	A	I
GND1207									
4790207	07B16	.0T	005	S	-GND		4790207	A	I
GND1208									
4790208	08B16	.0T	005	S	-GND		4790208	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND1209 4790209	09B16	.0T	005	S	-GND		4790209	A	I
GND1210 4790210	10B16	.0T	005	S	-GND		4790210	A	I
GND1211 4790211	11B16	.0T	005	S	-GND		4790211	A	I
GND1212 4790212	12B16	.0T	005	S	-GND		4790212	A	I
GND1213 4790213	13B16 13B18	.1 .1T	010 015	S L	-GND .		4790213 7430124	A A	
GND1214 4790214	14B13 14B14 14B16 14B37 14B40	.3 .1 1.7 .5 2.6T	005 010 020 030 035	L L S L L	. . -GND . .		7430136 2405362 4790214 2405396 2405390	C A A A A	
GND1215 4790215	15B16	.0T	005	S	-GND		4790215	A	I
GND1216 4790216	16B16	.0T	005	S	-GND		4790216	A	I
GND1217 4790217	17B16	.0T	005	S	-GND		4790217	A	I
GND1218 4790218	18B16	.0T	005	S	-GND		4790218	A	I
GND1219 4790219	19B16	.0T	005	S	-GND		4790219	A	I
GND1220 4790220	20B16 20B26 20B46	.7 1.5 2.2T	010 020 030	S L L	-GND . .		4790220 5138128 5138128	A J J	
GND1221 4790221	21B16	.0T	005	S	-GND		4790221	A	I
GND1222 4790222	22B16	.0T	005	S	-GND		4790222	A	I
GND1223 4790223	23B36	2.6	005	L	.		6196322	C	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4790306	06C16	.0T	005	S	-GND		4790306	A	I
GND1307 4790307	07C16	.0T	005	S	-GND		4790307	A	I
GND1308 4790308	08C16	.0T	005	S	-GND		4790308	A	I
GND1309 4790309	09C16	.0T	005	S	-GND		4790309	A	I
GND1310 4790310	10C05 10C16	1.1 1.1T	010 015	L S	. -GND		8010862 4790310	A A	
GND1311 4790311	11C16	.0T	005	S	-GND		4790311	A	I
GND1312 4790312	12C16	.0T	005	S	-GND		4790312	A	I
GND1313 4790313	13C16	.0T	005	S	-GND		4790313	A	I
GND1314 4790314	14C16	.0T	005	S	-GND		4790314	A	I
GND1315 4790315	15C16	.0T	005	S	-GND		4790315	A	I
GND1316 4790316	16C16	.0T	005	S	-GND		4790316	A	I
GND1317 4790317	17C16	.0T	005	S	-GND		4790317	A	I
GND1318 4790318	18C01 18C16 18C14 18C41	1.4 .1 2.1 3.6T	010 020 030 035	L S L L	. -GND . .		8010868 4790318 3846017 6902650	A A A U	
GND1319 4790319	19C16	.0T	005	S	-GND		4790319	A	I
GND1320 4790320	20C16	.0T	005	S	-GND		4790320	A	I
GND1321 4790321	21C16	.0T	005	S	-GND		4790321	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND1322 4790322	22C16 22C46	2.2 2.2T	010 015	S L	-GND .		4790322 6902340	A A	
GND1323 4790323	23C16	.0T	005	S	-GND		4790323	A	I
GND1324 4790324	24C16	.0T	005	S	-GND		4790324	A	I
GND1325 4790325	25C16	.0T	005	S	-GND		4790325	A	I
GND1326 4790326	26C16	.0T	005	S	-GND		4790326	A	I
GND1327 4790327	27C16	.0T	005	S	-GND		4790327	A	I
GND1328 4790328	28C16	.0T	005	S	-GND		4790328	A	I
GND1329 4790329	29C16	.0T	005	S	-GND		4790329	A	I
GND1330 4790330	30C16	.0T	005	S	-GND		4790330	A	I
GND1331 4790331	31C16	.0T	005	S	-GND		4790331	A	I
GND1332 4790332	32C16	.0T	005	S	-GND		4790332	A	I
GND1401 4790401	01D16	.0T	005	S	-GND		4790401	A	I
GND1402 4790402	02D16	.0T	005	S	-GND		4790402	A	I
GND1403 4790403	03D16	.0T	005	S	-GND		4790403	A	I
GND1404 4790404	04D16 04D34	1.3 1.3T	010 015	S L	-GND .		4790404 2400414	A A	
GND1405 4790405	05D36 05D16	1.5 1.5T	010 015	L S	. -GND		6977018 4790405	A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4790420	20D16	.0T	005	S	-GND		4790420	A	I
GND1421									
4790421	21D16	.0T	005	S	-GND		4790421	A	I
GND1422									
4790422	22D12	.1	010	L	.		2844356	A	
	22D14	.1	020	L	.		2844352	A	
	22D16	2.4	030	S	-GND		4790422	A	
	22D47	2.6T	045	L	.		2843850	A	
GND1423									
4790423	23D16	.0T	005	S	-GND		4790423	A	I
GND1424									
4790424	24D16	.0T	005	S	-GND		4790424	A	I
GND1425									
4790425	25D24	.6	010	L	.		6942312	A	
	25D16	.6T	015	S	-GND		4790425	A	
GND1426									
4790426	26D16	.0T	005	S	-GND		4790426	A	I
GND1427									
4790427	27D16	.0T	005	S	-GND		4790427	A	I
GND1428									
4790428	28D16	.0T	005	S	-GND		4790428	A	I
GND1429									
4790429	29D16	.0T	005	S	-GND		4790429	A	I
GND1430									
4790430	30D16	.0T	005	S	-GND		4790430	A	I
GND1431									
4790431	31D16	.0T	005	S	-GND		4790431	A	I
GND1432									
4790432	32D16	.0T	005	S	-GND		4790432	A	I
GND1501									
4790501	01E02	.3	010	L			4790501	A	
	01E05	.3	020	L			4790501	A	
	01E09	.1	030	L			4790501	A	
	01E11	.3	040	L			4790501	A	
	01E15	.3	050	L			4790501	A	
	01E16	.3	060	S	-GND		4790501	A	
	01E20	.3	070	L			4790501	A	
	01E23	.1	080	L			4790501	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-4790501
 TYPE-PINLIST

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 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	01E25	.1	090	L			4790501	A	
	01E27	.3	100	L			4790501	A	
	01E31	.3	110	L			4790501	A	
	01E35	.1	120	L			4790501	A	
	01E37	.1	130	L			4790501	A	
	01E39	.1	140	L			4790501	A	
	01E41	.5	150	L			4790501	A	
	01E44	.1	160	L			4790501	A	
	01E46	3.6T	165	L			4790501	A	
GND1502 4790502	02E16	.0T	005	S	-GND		4790502	A	I
GND1503 4790503	03E16	.0T	005	S	-GND		4790503	A	I
GND1504 4790504	04E16	.3	010	S	-GND		4790504	A	
	04E19	.3T	015	L	.		2402922	A	
GND1505 4790505	05E16	.9	010	S	-GND		4790505	A	
	05E27	.9	020	L	.		7900042	A	
	05E36	.1	030	L	.		7900042	A	
	05E38	1.9T	040	L	.		7900041	A	
GND1506 4790506	06E16	.0T	005	S	-GND		4790506	A	I
GND1507 4790507	07E16	.0T	005	S	-GND		4790507	A	I
GND1508 4790508	08E16	.0T	005	S	-GND		4790508	A	I
GND1509 4790509	09E25	1.2	005	L			4790509	Y	
	09E41	.4	010	L			4790509	A	
	09E35	.1	020	L			4790509	A	
	09E33	.3	030	L			4790509	A	
	09E29	.5	040	L			4790509	A	
	09E24	.6	050	L			4790509	A	
	09E16	1.1	060	S	-GND		4790509	A	
	09E05	.1	070	L			4790509	A	
	09E03	.2	080	L			4790509	A	
	09E02	.3	090	L			4790509	A	
	09E01	4.8T	095	L			4790509	A	
GND1510 4790510	10E16	.0T	005	S	-GND		4790510	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND1511 4790511	11E16	.0T	005	S	-GND		4790511	A	I
GND1512 4790512	12E16	.0T	005	S	-GND		4790512	A	I
GND1513 4790513	13E16	.0T	005	S	-GND		4790513	A	I
GND1514 4790514	14E16	.0T	005	S	-GND		4790514	A	I
GND1515 4790515	15E16	.0T	005	S	-GND		4790515	A	I
GND1516 4790516	16E16	.0T	005	S	-GND		4790516	A	I
GND1517 4790517	17E16	.0T	005	S	-GND		4790517	A	I
GND1518 4790518	18E01	1.4	010	L	.		7900290	A	
	18E16	.7	020	S	-GND		4790518	A	
	18E26	2.1T	025	L	.		2405422	A	
GND1519 4790519	19E16	.0T	005	S	-GND		4790519	A	I
GND1520 4790520	20E14	.1	010	L	.		3900920	A	
	20E16	1.7	020	S	-GND		4790520	A	
	20E37	1.8T	030	L	.		3905414	A	
GND1521 4790521	21E16	.0T	005	S	-GND		4790521	A	I
GND1522 4790522	22E16	.0T	005	S	-GND		4790522	A	I
GND1523 4790523	23E16	.0T	005	S	-GND		4790523	A	I
GND1524 4790524	24E16	.0T	005	S	-GND		4790524	A	I
GND1525 4790525	25E16	.0T	005	S	-GND		4790525	A	I
GND1526 4790526	26E16	.0T	005	S	-GND		4790526	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND1527 4790527	27E16	.0T	005	S	-GND		4790527	A	I
GND1528 4790528	28E16	.0T	010	S	-GND		4790528	A	I
GND1529 4790529	29E16	.0T	005	S	-GND		4790529	A	I
GND1530 4790530	30E16	.0T	005	S	-GND		4790530	A	I
GND1531 4790531	31E16	.0T	005	S	-GND		4790531	A	I
GND1532 4790532	32E16	.0T	005	S	-GND		4790532	A	I
GND1601 4790601	01F16	.0T	005	S	-GND		4790601	A	I
GND1602 4790602	02F16	.0T	005	S	-GND		4790602	A	I
GND1603 4790603	03F16	.0T	005	S	-GND		4790603	A	I
GND1604 4790604	04F16	.0T	005	S	-GND		4790604	A	I
GND1605 4790605	05F16	.8	010	S	-GND		4790605	A	
	05F25	.6	030	L	*		3314020	A	
	05F33	.4	040	L	*		3314120	A	
	05F39	.1	050	L	*		5173100	A	
	05F41	.3	060	L	*		4790605	A	
	05F45	2.2T	065	L	*		6901000	A	
GND1606 4790606	06F16	.0T	005	S	-GND		4790606	A	I
GND1607 4790607	07F02	.3	010	L	*		4384030	A	
	07F01	.1	020	L	*		4384130	A	
	07F03	.4	030	L	*		5155820	A	
	07F09	.5	040	L	*		4384230	A	
	07F12	.3	050	L	*		5155850	A	
	07F15	.3	060	L	*		5155890	A	
	07F16	.6	070	S	-GND		4790607	A	
	07F24	.2	080	L	*		4790607	A	
	07F25	.6	090	L	*		3314030	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		07F33	.1	100	L	*	3314130	A	
		07F35	.1	110	L	*	3243100	A	
		07F37	.3	120	L	*	7362560	A	
		07F41	3.8T	125	L		4790607	A	
GND1608 4790608	08F16	.0T	005	S	-GND		4790608	A	I
GND1609 4790609	09F05	1.1	010	L			4790609	A	
	09F16	.6	020	S	-GND		4790609	A	
	09F24	1.7T	030	L			4790609	A	
GND1610 4790610	10F16	.0T	005	S	-GND		4790610	A	I
GND1611 4790611	07E05	2.0	010	L	.		6832436	A	
	07E28	6.3	020	L	.		7901610	A	
	11F16	8.3T	025	S	-GND		4790611	A	
GND1612 4790612	12F16	.0T	005	S	-GND		4790612	A	I
GND1613 4790613	13F16	.0T	005	S	-GND		4790613	A	I
GND1614 4790614	14F16	.0T	005	S	-GND		4790614	A	I
GND1615 4790615	15F16	.0T	005	S	-GND		4790615	A	I
GND1616 4790616	16F16	.0T	005	S	-GND		4790616	A	I
GND1617 4790617	17F16	.0T	005	S	-GND		4790617	A	I
GND1618 4790618	18F16	.0T	005	S	-GND		4790618	A	I
GND1619 4790619	19F16	.0T	005	S	-GND		4790619	A	I
GND1620 4790620	20F16	.0T	005	S	-GND		4790620	A	I
GND1621 4790621	21F16	.0T	005	S	-GND		4790621	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
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1	8 15		21	28	33	37	41	77	
4791001	01K16	.0T	005	S	-GND		4791001	A	I
GND2102 4791002	02K16	.0T	005	S	-GND		4791002	A	I
GND2103 4791003	03K16 03K47	2.4 2.4T	005 010	S L	-GND		4791003 4791003	A B	
GND2104 4791004	04K16	.0T	005	S	-GND		4791004	A	I
GND2105 4791005	05K10 05K16 05K24 05K38	.4 .6 1.0 2.0T	010 020 030 035	L S L L	-GND		4791005 4791005 4791005 4791005	A A A A	
GND2106 4791006	06K10 06K16 06K24 06K38	.4 .6 1.0 2.0T	010 020 030 035	L S L L	-GND		4791006 4791006 4791006 4791006	A A A A	
GND2107 4791007	07K10 07K16 07K24 07K38	.4 .6 1.0 2.0T	010 020 030 035	L S L L	-GND		4791007 4791007 4791007 4791007	A A A A	
GND2108 4791008	08K10 08K16 08K24 08K38	.4 .6 1.0 2.0T	010 020 030 035	L S L L	-GND		4791008 4791008 4791008 4791008	A A A A	
GND2109 4791009	09K10 09K16 09K24 09K38	.4 .6 1.0 2.0T	010 020 030 035	L S L L	-GND		4791009 4791009 4791009 4791009	A A A A	
GND2110 4791010	10K10 10K16 10K24 10K38	.4 .6 1.0 2.0T	010 020 030 035	L S L L	-GND		4791010 4791010 4791010 4791010	A A A A	
GND2111 4791011	11K10 11K16	.4 .6	010 020	L S	-GND		4791011 4791011	A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		11K24	1.0	030	L		4791011	A	
		11K38	2.0T	035	L		4791011	A	
GND2112 4791012		12K10	.4	010	L		4791012	A	
		12K16	.6	020	S	-GND	4791012	A	
		12K24	1.0	030	L		4791012	A	
		12K38	2.0T	035	L		4791012	A	
GND2113 4791013		13K05	1.1	010	L		4791013	A	
		13K16	.6	020	S	-GND	4791013	A	
		13K24	1.4	030	L		4791013	A	
		13K41	3.1T	035	L		4791013	A	
GND2114 4791014		14K16	.0T	005	S	-GND	4791014	A	I
GND2115 4791015		15K05	1.1	010	L		4791015	A	
		15K16	.6	020	S	-GND	4791015	A	
		15K24	1.4	030	L		4791015	A	
		15K41	3.1T	035	L		4791015	A	
GND2116 4791016		16K10	.4	010	L		4791016	A	
		16K16	.6	020	S	-GND	4791016	A	
		16K24	1.0	030	L		4791016	A	
		16K38	2.0T	035	L		4791016	A	
GND2117 4791017		17K10	.4	010	L		4791017	A	
		17K16	.6	020	S	-GND	4791017	A	
		17K24	1.0	030	L		4791017	A	
		17K38	2.0T	035	L		4791017	A	
GND2118 4791018		18K10	.4	010	L		4791018	A	
		18K16	.6	020	S	-GND	4791018	A	
		18K24	1.0	030	L		4791018	A	
		18K38	2.0T	035	L		4791018	A	
GND2119 4791019		19K10	.4	010	L		4791019	A	
		19K16	.6	020	S	-GND	4791019	A	
		19K24	1.0	030	L		4791019	A	
		19K38	2.0T	035	L		4791019	A	
GND2120 4791020		20K10	.4	010	L		4791020	A	
		20K16	.6	020	S	-GND	4791020	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		20K24	1.0	030	L		4791020	A	
		20K38	2.0T	035	L		4791020	A	
GND2121 4791021	21K10	.4	010	L			4791021	A	
	21K16	.6	020	S	-GND		4791021	A	
	21K24	1.0	030	L			4791021	A	
	21K38	2.0T	035	L			4791021	A	
GND2122 4791022	22K10	.4	010	L			4791022	A	
	22K16	.6	020	S	-GND		4791022	A	
	22K24	1.0	030	L			4791022	A	
	22K38	2.0T	035	L			4791022	A	
GND2123 4791023	23K10	.4	010	L			4791023	A	
	23K16	.6	020	S	-GND		4791023	A	
	23K24	1.0	030	L			4791023	A	
	23K38	2.0T	035	L			4791023	A	
GND2124 4791024	24K16	.0T	005	S	-GND		4791024	A	I
GND2125 4791025	25K16	.0T	005	S	-GND		4791025	A	I
GND2126 4791026	26K16	1.7	010	S	-GND		4791026	A	
	26K37	1.7T	015	L			1002632	A	
GND2127 4791027	27K16	.0T	005	S	-GND		4791027	A	I
GND2128 4791028	28K16	.0T	005	S	-GND		4791028	A	I
GND2129 4791029	29K30	1.0	010	L			4100142	A	
	29K16	.6	020	S	-GND		4791029	A	
	29K11	1.6T	025	L			4500152	A	
GND2130 4791030	30K11	.6	010	L			4500252	A	
	30K16	1.0	020	S	-GND		4791030	A	
	30K30	.6	030	L			5130142	A	
	30K38	2.2T	035	L			4500202	A	
GND2131 4791031	31K16	.0T	005	S	-GND		4791031	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2132 4791032	32K16	.0T	005	S	-GND		4791032	A	I
GND2201 4791101	01L16	.0T	005	S	-GND		4791101	A	I
GND2202 4791102	02L16	.0T	005	S	-GND		4791102	A	I
GND2203 4791103	03L16	2.0	010	S	-GND		4791103	A	
	03L41	.5	020	L	.		1010122	A	
	03L44	2.5T	025	L	.		1000122	A	
GND2204 4791104	04L16	1.8	010	S	-GND		4791104	A	
	04L39	.6	020	L	.		1040122	A	
	04L44	2.4T	025	L	.		1040122	A	
GND2205 4791105	05L16	.8	010	S	-GND		4791105	A	
	05L25	.8T	025	L	.		1000131	A	
GND2206 4791106	06L16	.9	010	S	-GND		4791106	A	
	06L27	.9T	015	L	.		5156342	A	
GND2207 4791107	07L13	.3	010	L	.		1002643	A	
	07L14	.1	020	L	.		1002643	A	
	07L16	1.3	030	S	-GND		4791107	A	
	07L34	.3	040	L	.		1002624	A	
	07L38	.6	050	L	.		1002623	A	
	07L46	2.6T	055	L	.		1042622	A	
GND2208 4791108	08L05	1.1	010	L	.		4791108	A	
	08L16	.6	020	S	-GND		4791108	A	
	08L24	.9	030	L	.		4791108	A	
	08L35	.1	040	L	*		6820120	A	
	08L37	.1	050	L	*		3811020	A	
	08L39	.1	060	L	*		7560120	A	
	08L41	2.9T	065	L	.		4791108	A	
GND2209 4791109	09L13	.3	010	L	.		1032643	A	
	09L14	.1	020	L	.		1032643	A	
	09L16	.7	030	S	-GND		4791109	A	
	09L26	.3	040	L	.		1032622	A	
	09L30	.3	050	L	.		1052622	A	
	09L34	.3	060	L	.		1032623	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		09L38	.4	070	L	.	1032623	A	
		09L44	.1	080	L	.	1062622	A	
		09L46	2.5T	085	L	.	1072622	A	
GND2210 4791110	10L01	.3	010	L	*		1062220	A	
	10L02	.2	020	L	*		1072220	A	
	10L03	.1	030	L	*		1042220	A	
	10L05	.3	040	L	*		4791110	A	
	10L09	.5	050	L	*		1052220	A	
	10L12	.3	060	L	*		1032220	A	
	10L15	.3	070	L	*		1022220	A	
	10L16	.3	080	S	-GND		4791110	A	
	10L19	.3	090	L	*		1012220	A	
	10L23	.3	100	L	*		1002220	A	
	10L24	.2	110	L	*		4791110	A	
	10L25	.6	120	L	*		7410120	A	
	10L33	.1	130	L	*		5156911	A	
	10L35	.3	140	L	*		4413120	A	
	10L39	.1	150	L	*		5116120	A	
	10L41	4.2T	155	L	*		4791110	A	
GND2211 4791111	11L16	.0T	005	S	-GND		4791111	A	I
GND2212 4791112	12L16	.0T	005	S	-GND		4791112	A	I
GND2213 4791113	13L16	.0T	005	S	-GND		4791113	A	I
GND2214 4791114	14L16	.0T	005	S	-GND		4791114	A	I
GND2215 4791115	15L16	.0T	005	S	-GND		4791115	A	I
GND2216 4791116	16L16	.0T	005	S	-GND		4791116	A	I
GND2217 4791117	17L16	.0T	005	S	-GND		4791117	A	I
GND2218 4791118	18L16	.0T	005	S	-GND		4791118	A	I
GND2219 4791119	19L16	.0T	005	S	-GND		4791119	A	I
GND2220 4791120	20L16	.0T	005	S	-GND		4791120	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2221 4791121	21L16	.0T	005	S	-GND		4791121	A	I
GND2222 4791122	22L13	.5	010	L	.		3405112	A	
	22L16	.2	020	S	-GND		4791122	A	
	22L17	.1	030	L	.		1014504	A	
	22L19	1.3	040	L	.		1034504	A	
	22L37	2.1T	045	L	.		1000316	A	
GND2223 4791123	23L16	.2	010	S	-GND		4791123	A	
	23L17	.1	020	L	.		1044504	A	
	23L19	.3	030	L	.		1074504	A	
	23L20	1.2	040	L	.		1064504	A	
	23L35	.1	050	L	.		1070314	A	
	23L37	.6	060	L	.		1040316	A	
	23L42	.2	070	L	.		1060314	A	
	23L43	2.7T	075	L	.		1050314	A	
GND2224 4791124	24L16	.0T	005	S	-GND		4791124	A	I
GND2225 4791125	25L16	.0T	005	S	-GND		4791125	A	I
GND2226 4791126	26L16	.0T	005	S	-GND		4791126	A	I
GND2227 4791127	27L16	.0T	005	S	-GND		4791127	A	I
GND2228 4791128	28L16	.0T	005	S	-GND		4791128	A	I
GND2229 4791129	29L03	.6	010	L	.		1001254	A	
	29L08	.6	020	L	.		1001252	A	
	29L16	1.2	030	S	-GND		4791129	A	
	29L31	.9	040	L	.		1150342	A	
	29L40	.2	050	L	.		1150342	A	
	29L41	3.5T	055	L	.		1006486	A	
GND2230 4791130	30L16	.0T	005	S	-GND		4791130	A	I
GND2231 4791131	31L16	.0T	005	S	-GND		4791131	A	I
GND2232 4791132	32L16	.0T	005	S	-GND		4791132	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2301 4791201	01M16	.0T	005	S	-GND		4791201	A	I
GND2302 4791202	02M16	.0T	005	S	-GND		4791202	A	I
GND2303 4791203	03M11	.5	010	L	.		1100118	A	
	03M14	.1	020	L	.		1110118	A	
	03M16	1.4	030	S	-GND		4791203	A	
	03M33	1.1	040	L	.		1100122	A	
	03M44	3.1T	045	L	.		1090118	A	
GND2304 4791204	04M07	.5	010	L	.		1140118	A	
	04M10	.5	020	L	.		1150118	A	
	04M15	.3	030	L	.		1130118	A	
	04M16	.1	040	S	-GND		4791204	A	
	04M18	1.2	050	L	.		1120122	A	
	04M33	1.1	060	L	.		1120120	A	
	04M44	.1	070	L	.		1130118	A	
	04M46	.3	080	L	.		1120118	A	
	04M50	4.1T	085	L	.		1140118	A	
GND2305 4791205	05M16	.0T	005	S	-GND		4791205	A	I
GND2306 4791206	06M16	.0T	005	S	-GND		4791206	A	I
GND2307 4791207	07M16	.2	010	S	-GND		4791207	A	
	07M17	.5	020	L	.		1041512	A	
	07M20	1.4	030	L	.		1061512	A	
	07M37	2.1T	035	L	.		1001512	A	
GND2308 4791208	08M16	.2	010	S	-GND		4791208	A	
	08M17	.5	020	L	.		1121512	A	
	08M20	1.4	030	L	.		1141512	A	
	08M37	2.1T	035	L	.		1111512	A	
GND2309 4791209	09M05	1.1	010	L	.		4791209	A	
	09M16	.6	020	S	-GND		4791209	A	
	09M24	1.4	030	L	.		4791209	A	
	09M41	3.1T	035	L	.		4791209	A	
GND2310 4791210	10M16	.0T	005	S	-GND		4791210	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4791224	24M16	.0T	005	S	-GND		4791224	A	I
GND2325	25M16	.0T	005	S	-GND		4791225	A	I
GND2326	26M16	2.1	010	S	-GND		4791226	A	
4791226	26M43	2.1T	015	L	.		1106506	A	
GND2327	27M16	2.1	010	S	-GND		4791227	A	
4791227	27M43	2.1T	015	L	.		1126506	A	
GND2328	28M16	1.9	010	S	-GND		4791228	A	
4791228	28M42	1.9T	015	L	.		1146506	A	
GND2329	29M16	.0T	005	S	-GND		4791229	A	I
4791229									
GND2330	30M16	.0T	005	S	-GND		4791230	A	I
4791230									
GND2331	31M16	.0T	005	S	-GND		4791231	A	I
4791231									
GND2332	32M16	.0T	005	S	-GND		4791232	A	I
4791232									
GND2401	01N10	.4	010	L			4791301	A	
4791301	01N16	.6	020	S	-GND		4791301	A	
	01N24	1.0	030	L			4791301	A	
	01N38	2.0T	035	L			4791301	A	
GND2402	02N10	.4	010	L			4791302	A	
4791302	02N16	.6	020	S	-GND		4791302	A	
	02N24	1.0	030	L			4791302	A	
	02N38	2.0T	035	L			4791302	A	
GND2403	03N10	.4	010	L			4791303	A	
4791303	03N16	.6	020	S	-GND		4791303	A	
	03N24	1.0	030	L			4791303	A	
	03N38	2.0T	035	L			4791303	A	
GND2404	04N10	.4	010	L			4791304	A	
4791304	04N16	.6	020	S	-GND		4791304	A	
	04N24	1.0	030	L			4791304	A	



DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 4791317
 TYPE-PINLIST

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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4791317	17N11	.6	010	L	.	.	4500352	A	
	17N16	1.0	020	S	-GND	.	4791317	A	
	17N30	.6	030	L	.	.	2080501	A	
	17N38	2.2T	035	L	.	.	4500302	A	
GND2418	4791318	18N16	.0T	005	S	-GND	4791318	A	I
GND2419	4791319	19N16	.0T	005	S	-GND	4791319	A	I
GND2420	4791320	20N16	.0T	005	S	-GND	4791320	A	I
GND2421	4791321	21N16	.0T	005	S	-GND	4791321	A	I
GND2422	4791322	22N16	.0T	005	S	-GND	4791322	A	I
GND2423	4791323	23N16	.0T	005	S	-GND	4791323	A	I
GND2424	4791324	24N16	.0T	005	S	-GND	4791324	A	I
GND2425	4791325	25N16	.0T	005	S	-GND	4791325	A	I
GND2426	4791326	26N15	.3	010	L	.	4421650	A	
		26N16	2.3	020	S	-GND	4791326	A	
		26N45	2.6T	025	L	.	1270152	A	
GND2427	4791327	27N01	.3	010	L	*	1301410	A	
		27N02	.3	020	L	*	1311410	A	
		27N05	1.1	030	L	.	4791327	A	
		27N16	.6	040	S	-GND	4791327	A	
		27N24	.2	050	L	.	4791327	A	
		27N25	1.2	060	L	*	4159500	A	
		27N41	3.7T	065	L	.	4791327	A	
GND2428	4791328	28N16	.0T	005	S	-GND	4791328	A	I
GND2429	4791329	29N16	.0T	005	S	-GND	4791329	A	I
GND2430	4791330	30N16	.0T	005	S	-GND	4791330	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2431 4791331	31N02	.3	010	L			4791331	A	
	31N01	.1	020	L			4791331	A	
	31N03	.1	030	L			4791331	A	
	31N05	.3	040	L			4791331	A	
	31N09	.5	050	L			4791331	A	
	31N12	.3	060	L			4791331	A	
	31N15	.3	070	L			4791331	A	
	31N16	.3	080	S	-GND		4791331	A	
	31N19	.3	085	L			4791331	C	
	31N23	.3	090	L			4791331	A	
	31N24	.2	100	L			4791331	A	
	31N25	.6	110	L			4791331	A	
	31N33	.1	120	L			4791331	A	
	31N35	.1	122	L			4791331	C	
	31N37	.3	127	L	*		6640100	C	
	31N41	.1	130	L			4791331	A	
	31N39	.4	140	L			4791331	A	
	31N45	4.6T	145	L			4791331	A	
GND2432 4791332	32N16	.0T	005	S	-GND		4791332	A	I
GND2501 4791401	01P16	.0T	005	S	-GND		4791401	A	I
GND2502 4791402	02P16	.0T	005	S	-GND		4791402	A	I
GND2503 4791403	03P16	.0T	005	S	-GND		4791403	A	I
GND2504 4791404	04P16	.0T	005	S	-GND		4791404	A	I
GND2505 4791405	05P16	.0T	005	S	-GND		4791405	A	I
GND2506 4791406	06P16	.0T	005	S	-GND		4791406	A	I
GND2507 4791407	07P16	.2	010	S	-GND		4791407	A	
	07P17	.1	020	L	.		4900504	A	
	07P19	.3	030	L	.		6911304	A	
	07P20	1.4	040	L	.		6911504	A	
	07P37	2.0T	045	L	.		1160316	A	
GND2508 4791408	08P16	.2	010	S	-GND		4791408	A	
	08P17	.1	020	L	.		4900604	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		08P19	1.3	030	L	.	6911104	A	
		08P37	1.6T	035	L	.	1200316	A	
GND2509 4791409	09P16	.0T	005	S	-GND		4791409	A	I
GND2510 4791410	10P16	.0T	005	S	-GND		4791410	A	I
GND2511 4791411	11P08	.6	010	L	.		1313722	A	
	11P16	.2	020	S	-GND		4791411	A	
	11P17	.5	030	L	.		4410102	A	
	11P20	1.4	040	L	.		4385002	A	
	11P37	.7	050	L	.		2260003	A	
	11P47	3.4T	055	L	.		2260003	A	
GND2512 4791412	12P16	.0T	005	S	-GND		4791412	A	I
GND2513 4791413	13P16	.0T	005	S	-GND		4791413	A	I
GND2514 4791414	14P09	.8	010	L	.		1170118	A	
	14P16	.1	020	S	-GND		4791414	A	
	14P18	1.2	030	L	.		1160120	A	
	14P33	.7	040	L	.		1160122	A	
	14P43	.3	050	L	.		1190120	A	
	14P44	.4	060	L	.		1170120	A	
	14P50	3.5T	065	L	.		1180120	A	
GND2515 4791415	15P09	.8	010	L	.		1200120	A	
	15P16	.3	020	S	-GND		4791415	A	
	15P20	1.1	030	L	.		1200118	A	
	15P33	.6	040	L	.		1200122	A	
	15P41	2.8T	045	L	.		1200120	A	
GND2516 4791416	16P16	.0T	005	S	-GND		4791416	A	I
GND2517 4791417	17P16	.0T	005	S	-GND		4791417	A	I
GND2518 4791418	18P16	.0T	005	S	-GND		4791418	A	I
GND2519 4791419	19P16	.0T	005	S	-GND		4791419	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2520 4791420	20P16	.0T	005	S	-GND		4791420	A	I
GND2521 4791421	21P16	.0T	005	S	-GND		4791421	A	I
GND2522 4791422	22P16	.0T	005	S	-GND		4791422	A	I
GND2523 4791423	23P16	.0T	005	S	-GND		4791423	A	I
GND2524 4791424	24P16	.0T	005	S	-GND		4791424	A	I
GND2525 4791425	25P05	1.1	010	L			4791425	A	
	25P16	.6	020	S	-GND		4791425	A	
	25P24	1.4	030	L			4791425	A	
	25P41	3.1T	035	L			4791425	A	
GND2526 4791426	26P16	.5	010	S	-GND		4791426	A	
	26P13	.5T	015	L			1280154	A	
GND2527 4791427	27P16	.0T	005	S	-GND		4791427	A	I
GND2528 4791428	28P16	.0T	005	S	-GND		4791428	A	I
GND2529 4791429	29P16	.0T	005	S	-GND		4791429	A	I
GND2530 4791430	30P16	.0T	005	S	-GND		4791430	A	I
GND2531 4791431	31P16	.0T	005	S	-GND		4791431	A	I
GND2532 4791432	32P16	.0T	005	S	-GND		4791432	A	I
GND2601 4791501	01Q16	.0T	005	S	-GND		4791501	A	I
GND2602 4791502	02Q16	.0T	005	S	-GND		4791502	A	I
GND2603 4791503	03Q16	.0T	005	S	-GND		4791503	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2604 4791504	04Q16	.0T	005	S	-GND		4791504	A	I
GND2605 4791505	05Q16 05Q10	.4 .4T	010 015	S L	-GND .		4791505 1311310	A A	
GND2606 4791506	06Q16	.0T	005	S	-GND		4791506	A	I
GND2607 4791507	07Q08 07Q13 07Q16 07Q17 07Q37	.5 .5 .2 1.5 2.7T	010 020 030 040 045	L L S L L	. . -GND . .		8010802 8010102 4791507 1280316 1240316	A A A A A	
GND2608 4791508	08Q08 08Q13 08Q16 08Q37	.5 .5 1.7 2.7T	010 020 030 035	L L S L	. . -GND .		5917102 7430102 4791508 1246204	A A A A	
GND2609 4791509	09Q16	.0T	005	S	-GND		4791509	A	I
GND2610 4791510	10Q16	.0T	005	S	-GND		4791510	A	I
GND2611 4791511	11Q16	.0T	005	S	-GND		4791511	A	I
GND2612 4791512	12Q08 12Q16 12Q17 12Q37	.6 .2 1.5 2.3T	010 020 030 035	L S L L	. -GND . .		2560102 4791512 4375102 3060102	A A A A	
GND2613 4791513	13Q16 13Q28 13Q41	.9 1.1 2.0T	010 020 025	S L L	-GND . .		4791513 3060106 3060212	A A A	
GND2614 4791514	14Q16 14Q33	1.4 1.4T	010 015	S L	-GND .		4791514 1240122	A A	
GND2615 4791515	15Q04 15Q16 15Q33	.9 1.4 2.3T	010 020 025	L S L	. -GND .		1280120 4791515 1280124	A A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2616 4791516	16Q16	.0T	005	S	-GND		4791516	A	I
GND2617 4791517	17Q16	.0T	005	S	-GND		4791517	A	I
GND2618 4791518	18Q16	.0T	005	S	-GND		4791518	A	I
GND2619 4791519	19Q16	.0T	005	S	-GND		4791519	A	I
GND2620 4791520	20Q16	.0T	005	S	-GND		4791520	A	I
GND2621 4791521	21Q16	.2	020	S	-GND		4791521	A	
	21Q17	.5	030	L			4791521	A	
	21Q20	1.4	040	L			4791521	A	
	21Q37	2.1T	060	L			4791521	A	
GND2622 4791522	22Q05	1.1	003	L			4791522	B	
	22Q16	.6	005	S	-GND		4791522	A	
	22Q24	1.4	010	L			4791522	B	
	22Q41	3.1T	020	L			4791522	B	
GND2623 4791523	23Q16	.0T	005	S	-GND		4791523	A	I
GND2624 4791524	24Q16	.0T	005	S	-GND		4791524	A	I
GND2625 4791525	25Q16	.2	010	S	-GND		4791525	A	
	25Q17	.5	020	L	.		1281512	A	
	25Q20	1.4	030	L	.		1301512	A	
	25Q37	2.1T	035	L	.		1241512	A	
GND2626 4791526	26Q05	1.1	010	L			4791526	A	
	26Q16	.3	020	S	-GND		4791526	A	
	26Q15	.9	030	L	*		1491520	A	
	26Q24	2.3T	040	L			4791526	A	
GND2627 4791527	27Q16	.2	010	S	-GND		4791527	A	
	27Q17	.1	020	L	.		1361512	A	
	27Q19	.3	030	L	.		1391512	A	
	27Q20	1.4	040	L	.		1381512	A	
	27Q37	2.0T	045	L	.		1321512	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2628 4791528	28Q16	.2	010	S	-GND		4791528	A	
	28Q17	.1	020	L	.		1441512	A	
	28Q19	.3	030	L	.		1471512	A	
	28Q20	1.4	040	L	.		1461512	A	
	28Q37	2.0T	045	L	.		1401512	A	
GND2629 4791529	29Q05	1.1	010	L			4791529	A	
	29Q16	.6	020	S	-GND		4791529	A	
	29Q24	.9	030	L			4791529	A	
	29Q35	.1	040	L	*		1511520	A	
	29Q37	.3	050	L	*		1521520	A	
	29Q41	3.0T	055	L			4791529	A	
GND2630 4791530	30Q16	.0T	005	S	-GND		4791530	A	I
GND2631 4791531	31Q16	.0T	005	S	-GND		4791531	A	I
GND2632 4791532	32Q16	.0T	005	S	-GND		4791532	A	I
GND2701 4791601	01R16	.0T	005	S	-GND		4791601	A	I
GND2702 4791602	02R16	.0T	005	S	-GND		4791602	A	I
GND2703 4791603	03R16	.0T	005	S	-GND		4791603	A	I
GND2704 4791604	04R16	.3	010	S	-GND		4791604	A	
	04R20	.3	020	L	.		1284990	A	
	04R23	.6T	025	L	.		1294990	A	
GND2705 4791605	05R16	.0T	005	S	-GND		4791605	A	I
GND2706 4791606	06R16	.0T	005	S	-GND		4791606	A	I
GND2707 4791607	07R16	.0T	005	S	-GND		4791607	A	I
GND2708 4791608	08R01	.3	010	L	.		2089014	A	
	08R02	.3	020	L	.		2089016	A	
	08R05	.8	030	L	.		2089014	A	



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DRAWING NO. - 133264-001 AC
PROG-PNFRM LINE NO. -4791608
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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	08R12	.3	040	L	.	.	2089024	A	
	08R16	1.5	050	S	-GND	.	4791608	A	
	08R36	.2	060	L	.	.	2089004	A	
	08R37	3.4T	065	L	.	.	2089006	A	
GND2709 4791609	09R01	.3	010	L	.	.	2089054	A	
	09R02	.3	020	L	.	.	2089056	A	
	09R05	.8	030	L	.	.	2089054	A	
	09R12	.3	040	L	.	.	2089064	A	
	09R16	1.5	050	S	-GND	.	4791609	A	
	09R36	.2	060	L	.	.	2089044	A	
	09R37	.6	070	L	.	.	2089046	A	
	09R45	.3	080	L	.	.	2089072	A	
	09R46	4.3T	085	L	.	.	2089074	A	
GND2710 4791610	10R16	.0T	005	S	-GND	.	4791610	A	I
GND2711 4791611	11R16	.0T	005	S	-GND	.	4791611	A	I
GND2712 4791612	12R15	.3	010	L	.	.	1154906	A	
	12R16	1.5	020	S	-GND	.	4791612	A	
	12R35	1.8T	025	L	.	.	1154906	A	
GND2713 4791613	13R15	.3	010	L	.	.	1194906	A	
	13R16	1.5	020	S	-GND	.	4791613	A	
	13R35	1.8T	025	L	.	.	1194906	A	
GND2714 4791614	14R13	.5	010	L	.	.	1244906	A	
	14R16	1.6	020	S	-GND	.	4791614	A	
	14R38	2.1T	025	L	.	.	1234906	A	
GND2715 4791615	15R05	1.1	010	L	.	.	4791615	A	
	15R16	.6	020	S	-GND	.	4791615	A	
	15R24	1.4	030	L	.	.	4791615	A	
	15R41	3.1T	035	L	.	.	4791615	A	
GND2716 4791616	16R16	1.6	010	S	-GND	.	4791616	A	
	16R38	.2	020	L	.	.	1274907	A	
	16R39	1.8T	025	L	.	.	1264906	A	
GND2717 4791617	17R06	.2	010	L	.	.	1324902	A	
	17R07	.1	020	L	.	.	1334902	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		17R09	.3	030	L	.	1324904	A	
		17R10	.2	040	L	.	1334904	A	
		17R11	.1	050	L	.	1334904	A	
		17R13	.5	060	L	.	1324904	A	
		17R16	1.4T	065	S	-GND	4791617	A	
GND2718 4791618		18R05	1.1	010	L		4791618	A	
		18R16	.6	020	S	-GND	4791618	A	
		18R24	1.1	030	L		4791618	A	
		18R37	.1	040	L	*	3641110	A	
		18R39	.1	050	L	*	4056110	A	
		18R41	3.0T	055	L		4791618	A	
GND2719 4791619		19R16	.0T	005	S	-GND	4791619	A	I
GND2720 4791620		20R16	.0T	005	S	-GND	4791620	A	I
GND2721 4791621		21R16	.0T	005	S	-GND	4791621	A	I
GND2722 4791622		22R05	1.1	010	L		4791622	A	
		22R16	.6	020	S	-GND	4791622	A	
		22R24	1.7T	030	L		4791622	A	
GND2723 4791623		23R16	.0T	005	S	-GND	4791623	A	I
GND2724 4791624		24R16	.0T	005	S	-GND	4791624	A	I
GND2725 4791625		25R03	.4	010	L	.	1002682	A	
		25R09	.8	020	L	.	1002664	R	
		25R16	1.5	030	S	-GND	4791625	A	
		25R35	.4	040	L	.	1002584	A	
		25R41	3.1T	050	L	.	1002584	A	
GND2726 4791626		26R16	.0T	005	S	-GND	4791626	A	I
GND2727 4791627		27R16	.0T	005	S	-GND	4791627	A	I
GND2728 4791628		28R16	.1	010	S	-GND	4791628	A	
		28R14	.1T	015	L	.	1072682	A	



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DRAWING NO. - 133264-001 AC
PROG-PNFRM LINE NO. - 4791629
TYPE-PINLIST

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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2729 4791629	29R16	.0T	005	S	-GND		4791629	A	I
GND2730 4791630	30R16	.0T	005	S	-GND		4791630	A	I
GND2731 4791631	31R16	.0T	005	S	-GND		4791631	A	I
GND2732 4791632	32R16	.0T	005	S	-GND		4791632	A	I
GND2801 4791701	01S10	.4	010	L			4791701	A	
	01S16	.6	020	S	-GND		4791701	A	
	01S24	1.0	030	L			4791701	A	
	01S38	2.0T	035	L			4791701	A	
GND2802 4791702	02S10	.4	010	L			4791702	A	
	02S16	.6	020	S	-GND		4791702	A	
	02S24	1.0	030	L			4791702	A	
	02S38	2.0T	035	L			4791702	A	
GND2803 4791703	03S10	.4	010	L			4791703	A	
	03S16	.6	020	S	-GND		4791703	A	
	03S24	1.0	030	L			4791703	A	
	03S38	2.0T	035	L			4791703	A	
GND2804 4791704	04S10	.4	010	L			4791704	A	
	04S16	.6	020	S	-GND		4791704	A	
	04S24	1.0	030	L			4791704	A	
	04S38	2.0T	035	L			4791704	A	
GND2805 4791705	05S10	.4	010	L			4791705	A	
	05S16	.6	020	S	-GND		4791705	A	
	05S24	1.0	030	L			4791705	A	
	05S38	2.0T	035	L			4791705	A	
GND2806 4791706	06S10	.4	010	L			4791706	A	
	06S16	.6	020	S	-GND		4791706	A	
	06S24	1.0	030	L			4791706	A	
	06S38	2.0T	035	L			4791706	A	
GND2807 4791707	07S10	.4	010	L			4791707	A	
	07S16	.6	020	S	-GND		4791707	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4791718	18S08	.5	010	L	.	.	6196102	A	
	18S13	.5	020	L	.	.	6192002	A	
	18S16	.2	030	S	-GND	.	4791718	A	
	18S17	1.5	040	L	.	.	3800004	A	
	18S37	2.7T	045	L	.	.	3846002	A	
GND2819									
4791719	19S16	.0T	005	S	-GND	.	4791719	A	I
GND2820									
4791720	20S16	.0T	005	S	-GND	.	4791720	A	I
GND2821									
4791721	21S16	.6	010	S	-GND	.	4791721	A	
	21S11	1.2	020	L	.	.	3840104	A	
	21S24	.2	030	L	.	.	6190200	A	
	21S25	2.0T	035	L	.	.	6190202	A	
GND2822									
4791722	22S16	.0T	005	S	-GND	.	4791722	A	I
GND2823									
4791723	23S16	1.8	005	S	-GND	.	4791723	A	
	23S39	1.8T	010	L	.	.	6240106	U	
GND2824									
4791724	24S16	.0T	005	S	-GND	.	4791724	A	I
GND2825									
4791725	25S16	.0T	005	S	-GND	.	4791725	A	I
GND2826									
4791726	26S03	.1	010	L	.	.	4791726	B	
	26S05	.3	020	L	.	.	4791726	B	
	26S09	.5	030	L	.	.	4791726	B	
	26S12	.3	040	L	.	.	4791726	B	
	26S15	.3	050	L	.	.	4791726	B	
	26S16	.6	060	S	-GND	.	4791726	B	
	26S24	.8	070	L	.	.	4791726	B	
	26S33	.1	080	L	.	.	4791726	B	
	26S35	.1	090	L	.	.	4791726	B	
	26S37	.1	100	L	.	.	4791726	B	
	26S39	.1	110	L	.	.	4791726	B	
	26S41	.3	120	L	.	.	4791726	B	
	26S45	3.6T	130	L	.	.	4791726	B	
GND2827									
4791727	27S16	.0T	005	S	-GND	.	4791727	A	I
GND2828									
4791728	28S16	.2	010	S	-GND	.	4791728	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	28S17	.4	020	L	.		1042594	A	
	28S23	.3	030	L	.		1032592	A	
	28S24	.2	040	L	.		1032592	A	
	28S25	.1	050	L	.		1032590	A	
	28S27	.9	060	L	.		1022594	A	
	28S36	.3	070	L	.		1062592	A	
	28S40	2.4T	075	L	.		1052590	A	
GND2829 4791729	29S03	.8	010	L	.		3181002	A	
	29S10	.4	020	L	.		3181002	A	
	29S16	2.1	030	S	-GND		4791729	A	
	29S44	3.3T	035	L	.		3181003	A	
GND2830 4791730	30S16	.0T	005	S	-GND		4791730	A	I
GND2831 4791731	31S01	.3	010	L	*		1301420	A	
	31S02	.2	020	L	*		1311420	A	
	31S03	.4	030	L	*		4820110	A	
	31S09	.5	040	L	*		4820210	A	
	31S12	.3	050	L	*		4820310	A	
	31S15	.3	060	L	*		4820410	A	
	31S16	.6	070	S	-GND		4791731	A	
	31S24	.2	080	L	.		4791731	A	
	31S25	.6	090	L	*		4159510	A	
	31S33	.1	100	L	*		4385403	A	
	31S35	.1	110	L	*		4385413	A	
	31S37	.1	120	L	*		4385423	A	
	31S39	.1	130	L	*		3298605	A	
	31S41	.3	140	L	*		4791731	A	
	31S45	4.1T	145	L	*		4532010	A	
GND2832 4791732	32S16	.0T	005	S	-GND		4791732	A	I
GND2901 4791801	01T10	.4	010	L	.		4791801	A	
	01T16	.6	020	S	-GND		4791801	A	
	01T24	1.0	030	L	.		4791801	A	
	01T38	2.0T	035	L	.		4791801	A	
GND2902 4791802	02T10	.4	010	L	.		4791802	A	
	02T16	.6	020	S	-GND		4791802	A	
	02T24	1.0	030	L	.		4791802	A	
	02T38	2.0T	035	L	.		4791802	A	
GND2903 4791803	03T10	.4	010	L	.		4791803	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		03T16	.6	020	S	-GND	4791803	A	
		03T24	1.0	030	L		4791803	A	
		03T38	2.0T	035	L		4791803	A	
GND2904 4791804		04T10	.4	010	L		4791804	A	
		04T16	.6	020	S	-GND	4791804	A	
		04T24	1.0	030	L		4791804	A	
		04T38	2.0T	035	L		4791804	A	
GND2905 4791805		05T10	.4	010	L		4791805	A	
		05T16	.6	020	S	-GND	4791805	A	
		05T24	1.0	030	L		4791805	A	
		05T38	2.0T	035	L		4791805	A	
GND2906 4791806		06T10	.4	010	L		4791806	A	
		06T16	.6	020	S	-GND	4791806	A	
		06T24	1.0	030	L		4791806	A	
		06T38	2.0T	035	L		4791806	A	
GND2907 4791807		07T10	.4	010	L		4791807	A	
		07T16	.6	020	S	-GND	4791807	A	
		07T24	1.0	030	L		4791807	A	
		07T38	2.0T	035	L		4791807	A	
GND2908 4791808		08T10	.4	010	L		4791808	A	
		08T16	.6	020	S	-GND	4791808	A	
		08T24	1.0	030	L		4791808	A	
		08T38	2.0T	035	L		4791808	A	
GND2909 4791809		09T10	.4	010	L		4791809	A	
		09T16	.6	020	S	-GND	4791809	A	
		09T24	1.0	030	L		4791809	A	
		09T38	2.0T	035	L		4791809	A	
GND2910 4791810		10T10	.4	010	L		4791810	A	
		10T16	.6	020	S	-GND	4791810	A	
		10T24	1.0	030	L		4791810	A	
		10T38	2.0T	035	L		4791810	B	
GND2911 4791811		11T10	.4	010	L		4791811	A	
		11T16	.6	020	S	-GND	4791811	A	
		11T24	1.0	030	L		4791811	A	
		11T38	2.0T	035	L		4791811	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	ELEMENT TAG	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77
GND2912 4791812	12T10 12T16 12T24 12T38	.4 .6 1.0 2.0T	010 020 030 035	L S L L	. -GND . .	4791812 4791812 4791812 4791812	A A A A	
GND2913 4791813	13T01 13T05 13T16 13T24 13T41	.3 1.1 .6 1.4 3.4T	005 010 020 030 035	L L S L L	. . -GND . .	1233750 4791813 4791813 4791813 4791813	C A A A A	
GND2914 4791814	14T16	.0T	005	S	-GND	4791814	A	I
GND2915 4791815	15T16	.0T	005	S	-GND	4791815	A	I
GND2916 4791816	16T16	.0T	005	S	-GND	4791816	A	I
GND2917 4791817	17T13 17T16 17T17 17T19 17T24 17T25 17T37	.5 .2 .1 .6 .2 .9 2.5T	010 020 025 030 050 060 065	L S L L L L L	. -GND	7561002 4791817 2182002 2180502 3270203 2182002 2182022	A A E A A A A	
GND2918 4791818	18T01 18T02 18T04 18T06 18T16 18T20 18T23	.3 .1 .1 .7 .3 .3 1.8T	010 020 030 040 050 060 065	L L L L S L L	. . . . -GND . .	2089206 5153257 7410208 5153257 4791818 2089203 3107008	A A A A A A A	
GND2919 4791819	19T16	.0T	005	S	-GND	4791819	A	I
GND2920 4791820	20T16	.0T	005	S	-GND	4791820	J	I
GND2921 4791821	21T16	.0T	005	S	-GND	4791821	A	I
GND2922 4791822	22T16	.0T	005	S	-GND	4791822	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2923 4791823	23T16	.0T	005	S	-GND		4791823	A	I
GND2924 4791824	24T16	.0T	005	S	-GND		4791824	A	I
GND2925 4791825	25T02	.3	010	L	.		3201004	A	
	25T06	.2	020	L	.		3201002	A	
	25T07	.8	030	L	.		4791825	A	
	25T14	.1	040	L	.		4791825	A	
	25T16	.1	050	S	-GND		4791825	A	
	25T18	.1	060	L	.		4791825	A	
	25T20	.1	070	L	.		4791825	A	
	25T22	.1	080	L	.		4791825	A	
	25T24	.1	090	L	.		4791825	A	
	25T26	.1	100	L	.		4791825	A	
	25T28	.1	110	L	.		4791825	A	
	25T30	.3	120	L	.		4791825	A	
	25T34	.5	130	L	.		4791825	A	
	25T39	.6	140	L	.		4791825	A	
	25T47	3.5T	145	L	.		3201002	A	
GND2926 4791826	26T02	.3	010	L	.		4791826	A	
	26T05	.3	020	L	.		4791826	A	
	26T09	.1	030	L	.		4791826	A	
	26T11	.3	040	L	.		4791826	A	
	26T15	.3	050	L	.		4791826	A	
	26T16	.3	060	S	-GND		4791826	A	
	26T20	.3	070	L	.		4791826	A	
	26T23	.1	080	L	.		4791826	A	
	26T25	.1	090	L	.		4791826	A	
	26T27	.3	100	L	.		4791826	A	
	26T31	.3	110	L	.		4791826	A	
	26T35	.1	120	L	.		4791826	A	
	26T37	.1	130	L	.		4791826	A	
	26T39	.1	140	L	.		4791826	A	
	26T41	.5	150	L	.		4791826	A	
	26T44	.1	160	L	.		4791826	A	
	26T46	3.6T	165	L	.		4791826	A	
GND2927 4791827	27T16	.7	010	S	-GND		4791827	A	
	27T06	.3	020	L	.		3201008	A	
	27T02	3.5	030	L	.		3201010	A	
	27T47	4.5T	035	L	.		3201008	A	
GND2928 4791828	28T02	.3	010	L	.		4791828	A	
	28T05	.3	020	L	.		4791828	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	28T09	.1	030	L			4791828	A	
	28T11	.3	040	L			4791828	A	
	28T15	.3	050	L			4791828	A	
	28T16	.3	060	S	-GND		4791828	A	
	28T20	.3	070	L			4791828	A	
	28T23	.1	080	L			4791828	A	
	28T25	.1	090	L			4791828	A	
	28T27	.3	100	L			4791828	A	
	28T31	.3	110	L			4791828	A	
	28T35	.1	120	L			4791828	A	
	28T37	.1	130	L			4791828	A	
	28T39	.1	140	L			4791828	A	
	28T41	.5	150	L			4791828	A	
	28T44	.1	160	L			4791828	A	
	28T46	3.6T	165	L			4791828	A	
GND2929 4791829	29T02	.3	010	L			4791829	A	
	29T06	.2	020	L			4791829	A	
	29T07	.8	030	S			4791829	B	
	29T14	.1	050	L			4791829	A	
	29T16	.1	060	S	-GND		4791829	A	
	29T18	.1	070	L			4791829	A	
	29T20	.1	080	L			4791829	A	
	29T22	.1	090	L			4791829	A	
	29T24	.1	100	L			4791829	A	
	29T26	.1	110	L			4791829	A	
	29T28	.1	120	L			4791829	A	
	29T30	.3	130	L			4791829	A	
	29T34	.5	140	L			4791829	A	
	29T39	.6	150	L			4791829	A	
	29T47	3.5T	155	L			4791829	A	
GND2930 4791830	30T02	.3	010	L			4791830	A	
	30T05	.3	020	L			4791830	A	
	30T09	.1	030	L			4791830	A	
	30T11	.3	040	L			4791830	A	
	30T15	.3	050	L			4791830	A	
	30T16	.3	060	S	-GND		4791830	A	
	30T20	.3	070	L			4791830	A	
	30T23	.1	080	L			4791830	A	
	30T25	.1	090	L			4791830	A	
	30T27	.3	100	L			4791830	A	
	30T31	.3	110	L			4791830	A	
	30T35	.1	120	L			4791830	A	
	30T37	.1	130	L			4791830	A	
	30T39	.1	140	L			4791830	A	
	30T41	.5	150	L			4791830	A	
	30T44	.1	160	L			4791830	A	
	30T46	3.6T	165	L			4791830	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
PROG-PNFRM LINE NO. -4791831
TYPE-PINLIST

350
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND2931									
4791831	31T02	.3	020	L			4791831	A	
	31T06	.2	030				4791831	A	
	31T07	.8	040				4791831	B	
	31T14	.1	050	L			4791831	B	
	31T16	.1	070	S	-GND		4791831	A	
	31T18	.1	080	L			4791831	A	
	31T20	.1	090	L			4791831	A	
	31T22	.1	100	L			4791831	A	
	31T24	.1	110	L			4791831	A	
	31T26	.1	120	L			4791831	A	
	31T28	.1	130	L			4791831	A	
	31T30	.3	140	L			4791831	A	
	31T34	.5	150	L			4791831	A	
	31T39	.6	160	L			4791831	A	
	31T47	3.5T	165	L			4791831	A	
GND2932									
4791832	32T02	.3	020				4791832	B	
	32T06	.2	030				4791832	B	
	32T07	.8	040	L			4791832	A	
	32T14	.1	050	L			4791832	A	
	32T16	.1	060	S	-GND		4791832	A	
	32T18	.1	070	L			4791832	A	
	32T20	.1	080	L			4791832	A	
	32T22	.1	090	L			4791832	A	
	32T24	.1	100	L			4791832	A	
	32T26	.1	110	L			4791832	A	
	32T28	.1	120	L			4791832	A	
	32T30	.3	130	L			4791832	A	
	32T34	.5	140	L			4791832	A	
	32T39	.6	150	L			4791832	A	
	32T47	3.5T	155	L			4791832	A	
4820100-1									
	30N45	4.6	010	S	B		4820100	A	
	27N03	4.6T	015	L	*		4820100	A	
4820200-1									
	30N44	4.0	010	S	B		4820200	A	
	27N09	4.0T	015	L	*		4820200	A	
4820300-1									
	30N46	4.0	010	S	B		4820300	A	
	27N12	4.0T	015	L	*		4820300	A	
4820400-1									
	30N47	3.9	010	S	B		4820400	A	
	27N15	3.9T	015	L	*		4820400	A	
GRP0									
4845000	26N08	6.4	010	L	.		7342000	A	
	17N34	10.3	020	L	.		2080500	A	
	20Q12	.8	030	L	.		2100800	A	
	20Q21	.4	040	L	.		3532000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	20Q27	1.1	050	L	.		2100500	A	
	20Q38	.9	060	S	B		4845000	A	
	20Q50	19.9T	065	L	.		8065500	A	
GXAD									
4900501	20L01	2.0	010	L	.		4900550	A	
	24L01	5.2	020	T	T		4900501	A	
	20L40	10.0	030	L	.		4900560	A	
	10M41	5.2	040	C	C		4900501	A	
	10N41	5.7	050	C	C		4900501	A	
	06P21	.3	060	L	.		4900580	A	
	06P22	2.0	070	L	.		4900570	A	
	07P05	30.4T	075	S	NFF		4900501	A	
4900502-1	07P03	.0T	005	S	+		4900502	A	I
N(S/GXAD)									
4900530	10E35	4.4	010	S	B		4900530	A	
	02E41	14.5	020	C	C		4900530	A	
	31P41	13.4	030	C	C		4900530	A	
	07P24	4.1	040	L	.		4900502	A	
	13P13	36.4T	045	T	T		4900530	A	
GXAD-0									
4900550	20L17	2.8	010	S	B		4900550	A	
	25L21	.5	020	L	.		1002500	A	
	26L21	.5	030	L	.		1022500	A	
	27L21	.5	040	L	.		1042500	A	
	28L21	.5	050	L	.		1062500	A	
	29L21	5.9	060	L	.		1002450	A	
	28K20	10.7T	065	T	T		4900550	A	
GXAD-1									
4900560	20L34	6.9	010	S	B		4900560	A	
	25M21	.5	020	L	.		1082500	A	
	26M21	.5	030	L	.		1102500	A	
	27M21	.5	040	L	.		1122500	A	
	28M21	1.1	050	L	.		1142500	A	
	30M24	9.5T	055	T	T		4900560	A	
GXAD-2									
4900570	01P26	1.1	010	T	T		4900570	A	
	02P21	.5	020	L	.		1162500	A	
	03P21	.5	030	L	.		1182500	A	
	04P21	.5	040	L	.		1202500	A	
	05P21	.9	050	L	.		1222500	A	
	06P27	3.5T	055	S	B		4900570	A	
GXAD-3									
4900580	06P28	6.4	010	S	B		4900580	A	
	02Q21	.5	020	L	.		1242500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		03Q21	.5	030	L	.	1262500	A	
		04Q21	.5	040	L	.	1282500	A	
		05Q21	.5	050	L	.	1302500	A	
		06Q21	8.4T	055	T	T	4900580	A	
GXAND 4900601	22M05	3.7	010	T	T		4900601	A	
	20L39	6.8	020	L	.		4900650	A	
	13M13	1.8	030	L	.		4900660	A	
	10M14	5.2	040	C	C		4900601	A	
	10N14	9.3	050	C	C		4900601	A	
	06P42	.2	060	L	.		4900680	A	
	06P43	2.6	070	L	.		4900670	A	
	08P21	29.6T	075	S	NFF		4900601	A	
4900602-1	08P18	.0T	005	S	+		4900604	A	I
N(S/GXAND) 4900630	10E17	9.8	010	S	B		4900630	A	
	02F25	14.5	020	C	C		4900630	A	
	31Q25	16.7	030	C	C		4900630	A	
	08P25	2.6	040	L	.		4900602	A	
	13P20	43.6T	045	T	T		4900630	A	
GXAND-0 4900650	20L35	3.2	010	S	B		4900650	A	
	25L25	.5	020	L	.		1002502	A	
	26L25	.5	030	L	.		1022502	A	
	27L25	.5	040	L	.		1042502	A	
	28L25	.5	050	L	.		1062502	A	
	29L25	5.1	060	L	.		1002451	A	
	30M17	10.3T	065	T	T		4900650	A	
GXAND-1 4900660	13M15	6.7	010	S	B		4900660	A	
	25M25	.5	020	L	.		1082502	A	
	26M25	.5	030	L	.		1102502	A	
	27M25	.5	040	L	.		1122502	A	
	28M25	.9	050	L	.		1142502	A	
	30M26	9.1T	055	T	T		4900660	A	
GXAND-2 4900670	01P27	.6	010	T	T		4900670	A	
	02P25	.5	020	L	.		1162502	A	
	03P25	.5	030	L	.		1182502	A	
	04P25	.5	040	L	.		1202502	A	
	05P25	2.0	050	L	.		1222502	A	
	06P45	4.1T	055	S	B		4900670	A	
GXAND-3 4900680	06P44	5.5	010	S	B		4900680	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02Q25	.5	020	L	.		1242502	A	
	03Q25	.5	030	L	.		1262502	A	
	04Q25	.5	040	L	.		1282502	A	
	05Q25	.5	050	L	.		1302502	A	
	06Q25	7.5T	055	T	T		4900680	A	
GXNAD									
4904101	11M06	1.3	010	T	T		4904101	A	
	13M09	.5	020	L	.		4904160	A	
	13M12	1.5	030	L	.		4904150	A	
	10M12	5.2	040	C	C		4904101	A	
	10N12	2.5	050	C	C		4904101	A	
	06N03	6.2	060	L	.		2001682	A	
	06P12	.2	070	L	.		4904180	A	
	06P13	1.1	080	L	.		4904170	A	
	07P21	18.5T	085	S	NFF		4904101	A	
4904102-1	07P18	.0T	005	S	+		4904102	A	I
N(S/GXNAD)									
4904130	10E10	10.6	010	S	B		4904130	A	
	02F28	14.5	020	C	C		4904130	A	
	31Q28	17.3	030	C	C		4904130	A	
	07P25	3.3	040	L	.		4904102	A	
	13P21	45.7T	045	T	T		4904130	A	
GXNAD-0									
4904150	13M11	10.1	010	S	B		4904150	A	
	25L22	.5	020	L	.		1002500	A	
	26L22	.5	030	L	.		1022500	A	
	27L22	.5	040	L	.		1042500	A	
	28L22	.5	050	L	.		1062500	A	
	29L22	5.4	060	L	.		1002452	A	
	30M18	17.5T	065	T	T		4904150	A	
GXNAD-1									
4904160	13M10	6.9	010	S	B		4904160	A	
	25M22	.5	020	L	.		1082500	A	
	26M22	.5	030	L	.		1102500	A	
	27M22	.5	040	L	.		1122500	A	
	28M22	1.3	050	L	.		1142500	A	
	30M25	9.7T	055	T	T		4904160	A	
GXNAD-2									
4904170	01P28	.9	010	T	T		4904170	A	
	02P22	.5	020	L	.		1162500	A	
	03P22	.5	030	L	.		1182500	A	
	04P22	.5	040	L	.		1202500	A	
	05P22	1.3	050	L	.		1222500	A	
	06P15	3.7T	055	S	B		4904170	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GXNAD-3									
4904180	06P11	8.3	010	S	B		4904180	A	
	02Q22	.5	020	L	.		1242500	A	
	03Q22	.5	030	L	.		1262500	A	
	04Q22	.5	040	L	.		1282500	A	
	05Q22	.7	050	L	.		1302500	A	
	06Q23	10.5T	055	T	T		4904180	A	
HALT									
5011100	29A04	.0T	005	S	FF		5011100	A	I
NHALT									
5011101	09B10	15.9	010	S	I		5011103	A	
	29A05	9.3	020	S	NFF		5011101	A	
	32B39	6.4	030	L	.		7421400	A	
	24B08	9.0	040	L	.		6821330	A	
	11B42	13.6	050	L	.		5011120	A	
	27C45	5.2	070	C	C		5011101	A	
	27D45	10.5	080	C	C		5011101	A	
	13E18	3.0	090	L	.		6942316	A	
	19E18	72.9T	095	T	T		5011101	A	
5011105-1	29A03	.0T	005	S	+		5011105	A	I
HALT/1									
5011120	11B44	10.9	010	S	I		5011120	A	
	28B12	7.8	020	L	.		8145800	A	
	21A23	10.5	030	L	.		2841065	A	
	21C20	14.4	032	L	.		6902180	Q	
	26A05	43.6T	035	T	T		5011120	A	
(R/HALT)									
5011200	18B24	10.9	010	S	B		5011200	A	
	29A22	4.3	020	L	.		5011107	A	
	29B10	15.2T	025	T	T		5011200	A	
(S/HALT)									
5011240	11B35	14.8	010	S	I		5011240	A	
	29A24	4.5	020	L	.		5011105	A	
	29B13	19.3T	025	T	T		5011240	A	
N(S/HALT)									
5011250	05C46	14.5	005	S	I		5011256	D	
	18B13	5.4	010	S	I		5011250	A	
	11B39	10.8	020	L	.		5011240	A	
	29B15	30.7T	025	T	T		5011250	A	
HBZC									
5013500	26S20	4.3	010	S	-BCR		5013500	A	
	20S01	4.3T	015	L	.		5013510	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NHBZC 5013510	20S17 25S08 27S35 30S37	2.9 3.1 1.6 7.6T	010 020 030 035	S L T L	I . T .		5013510 5113300 5013510 2990500	A A A A	
HBZI 5013530	31S20 20S13	5.9 5.9T	010 015	S L	-BCR .		5013530 5013540	A A	
NHBZI 5013540	20S15 25S06 27S40 30S38	2.9 3.5 1.6 8.0T	010 020 030 035	S L T L	I . T .		5013540 5113900 5013540 2990700	A A A A	
5030500-1	11E10 09F15	6.3 6.3T	010 015	S L	B *		5030500 5030500	A A	
HOLDC-0 5054000	24L41 25L40 26L40 27L40 28L40 30L10 30L11 30L15	.3 .5 .5 .5 3.2 .2 .3 5.5T	010 020 030 040 050 060 070 075	T L L L L S S S	T I I I		5054000 1000500 1020500 1040500 1060500 5054004 5054002 5054000	A A A A A A A A	
HOLDC-1 5054100	30L44 30L45 30L46 28M40 27M40 26M40 25M40 22M40	.2 .3 5.8 .5 .5 .5 1.5 9.3T	010 020 030 040 050 060 070 075	S S S L L L L T	I I I T		5054102 5054100 5054104 1140500 1120500 1100500 1080500 5054100	A A A A A A A A	
HOLDC-2 5054200	08N34 08N35 08N36 05P40 04P40 03P40 02P40 01P41	.2 .3 7.0 .5 .5 .5 .3 9.3T	010 020 030 040 050 060 070 075	S S S L L L L T	I I I T		5054204 5054202 5054200 1220500 1200500 1180500 1160500 5054200	A A A A A A A A	
HOLDC-3 5054300	08N44	.2	010	S	I		5054302	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	08N45	.3	020	S	I		5054300	A	
	08N46	13.0	030	S	I		5054304	A	
	02Q40	.5	040	L	.		1240500	A	
	03Q40	.5	050	L	.		1260500	A	
	04Q40	.5	060	L	.		1280500	A	
	05Q40	.8	070	L	.		1300500	A	
	06Q44	15.8T	075	T	T		5054300	A	
HRQBZC									
5073500	26S22	4.3	010	S	-BCR		5073500	A	
	20S03	4.3T	015	L	.		5073510	A	
NHRQBZC									
5073510	20S19	5.2	010	S	I		5073510	A	
	21R22	7.9	020	L	.		4151000	A	
	27S18	1.5	030	T	T		5073510	A	
	30S18	14.6T	035	L	.		7400100	A	
HRQBZ1									
5073530	31S22	7.0	010	S	-BCR		5073530	A	
	20S02	7.0T	015	L	.		5073540	A	
NHRQBZ1									
5073540	20S05	3.9	010	S	I		5073540	A	
	21R26	7.7	020	L	.		4154000	A	
	27S17	1.6	030	T	T		5073540	A	
	30S20	13.2T	035	L	.		7400150	A	
IA									
5110120	28A06	11.5	010	S	FF		5110120	A	
	06A17	19.6	020	L	.		4321910	A	
	31B44	7.2	030	L	.		5110170	A	
	27C44	5.2	040	C	C		5110120	A	
	27D44	1.6	050	C	C		5110120	A	
	29D39	8.4	060	L	.		2285014	A	
	20E21	53.5T	065	L	.		3900922	A	
NIA									
5110121	28A07	12.3	010	S	NFF		5110121	A	
	28C31	12.3T	015	L	.		6902152	A	
(IA.PRE2)									
5110170	31B36	6.2	010	S	B		5110170	A	
	24C02	3.4	020	L	.		2842250	A	
	23C45	5.2	030	C	C		5110170	A	
	23D45	10.6	040	C	C		5110170	A	
	07E06	1.7	050	L	.		7900391	A	
	08E21	27.1T	055	L	.		7901522	A	
IBC									
5113300	11R43	11.5	010	L	.		2344100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		29R06	.5	020	L	.	1082684	A	
		30R06	8.0	030	L	.	1102684	A	
		25S13	20.0T	035	S	B	5113300	A	
IBI									
5113900	11R44	12.8	010	L	.		2344700	A	
	31R06	.5	020	L	.		1122684	A	
	32R06	9.2	030	L	.		1142684	A	
	25S12	22.5T	035	S	B		5113900	A	
IBO									
5114500	06R42	2.5	010	T	T		5114500	A	
	11R42	9.7	020	L	.		2344800	A	
	25R06	1.7	030	L	.		1002684	A	
	25R27	1.8	040	L	.		1002662	A	
	26R06	.5	050	L	.		1022684	A	
	27R06	.5	060	L	.		1042684	A	
	28R06	7.6	070	L	.		1062684	A	
	24S15	24.3T	075	S	B		5114500	A	
IC									
5116100	10L40	14.6	010	S	-BCR		5116100	A	
	32M18	25.0	020	C	C		5116100	A	
	03E18	19.2	030	C	C		5116100	A	
	32F09	58.8T	035	L	.		6820150	B	
IEC									
5120300	06R31	.5	010	T	T		5120300	A	
	07R31	11.4	020	L	.		5120310	A	
	29R22	.5	030	L	.		1082664	A	
	30R22	8.2	040	L	.		1102664	A	
	24S25	20.6T	045	S	B		5120300	A	
NIEC									
5120310	07R47	12.6	010	S	I		5120310	A	
	27S14	1.8	020	T	T		5120310	A	
	30S17	14.4T	025	L	.		7400100	A	
IEI									
5120900	06R38	.8	010	T	T		5120900	A	
	07R37	12.8	020	L	.		5120910	A	
	31R22	.5	030	L	.		1122664	A	
	32R22	9.3	040	L	.		1142664	A	
	24S27	23.4T	045	S	B		5120900	A	
NIEI									
5120910	07R36	14.6	010	S	I		5120910	A	
	27S28	1.7	020	T	T		5120910	A	
	30S29	16.3T	025	L	.		7400150	A	
IEN									



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-5121100
 TYPE-PINLIST

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 133264AC
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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
I	8	15	21	28	33	37	41	77	
5121100	19A14	3.4	010	L	.	.	5138936	A	
	16A43	10.4	020	L	.	.	8165720	A	
	27B39	3.8	022	L	.	.	2841067	C	
	31B15	17.6T	025	S	B	.	5121100	A	
IEO									
5121500	06R39	.3	010	T	T	.	5121500	A	
	07R38	10.2	020	L	.	.	5121510	A	
	25R22	.5	030	L	.	.	1002664	A	
	26R22	.5	040	L	.	.	1022664	A	
	27R22	.5	050	L	.	.	1042664	A	
	28R22	7.5	060	L	.	.	1062664	A	
	24S26	19.5T	065	S	B	.	5121500	A	
NIEO									
5121510	07R41	1.4	020	S	I	.	5121510	A	
	10R42	5.2	030	C	C	.	5121510	A	
	10Q42	21.6	040	C	C	.	5121510	A	
	28N14	4.8	045	L	.	.	7400200	A	
	28P07	33.0T	050	T	T	.	5121510	K	
IFAM									
5125100	21E06	5.4	010	S	I	.	5125100	A	
	21D04	15.9	020	L	.	.	5125110	A	
	05E40	16.4	030	L	.	.	7900043	A	
	15C28	5.2	040	C	C	.	5125100	A	
	15D28	6.3	050	C	C	.	5125100	A	
	14C20	2.8	060	L	.	.	2405382	A	
	10C35	9.7	070	L	.	.	3405160	A	
	25C02	61.7T	075	T	T	.	5125100	A	
NIFAM									
5125110	21D18	7.0	010	S	I	.	5125110	A	
	26E07	3.7	020	L	.	.	2844150	A	
	28E43	6.8	030	L	.	.	2844360	A	
	17E25	6.6	040	L	.	.	7900475	A	
	04E27	10.3	050	L	.	.	7901528	A	
	15D33	5.2	060	C	C	.	5125110	A	
	15C33	5.1	070	C	C	.	5125110	A	
	15B36	1.9	080	L	.	.	7430302	A	
	15B10	1.0	090	L	.	.	7430200	A	
	16B15	47.6T	095	T	T	.	5125110	A	
NIFAMDS									
5125130	19E45	13.2	010	T	T	.	5125130	A	
	30D08	9.4	020	L	.	.	4323310	A	
	21E07	3.2	030	L	.	.	5125100	A	
	21E46	25.8T	035	S	I	.	5125130	A	
IFAMDS									
5125140	07B47	6.3	010	T	T	.	5125140	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	14B09	10.6	020	L	.		7430132	A	
	03C04	5.2	030	C	C		5125140	A	
	03D04	.8	040	C	C		5125140	A	
	04D07	15.3	050	L	.		2905504	A	
	21E30	7.4	060	L	.		5125130	A	
	19F46	45.6T	065	S	I		5125140	A	
IFAST									
5125300	19F45	15.1	010	S	I		5125300	A	
	22D03	3.8	020	L	.		2904502	A	
	17D21	7.3	030	L	.		7900467	A	
	05D03	7.3	040	L	.		6977008	A	
	15D36	5.2	050	C	C		5125300	A	
	15C36	5.6	060	C	C		5125300	A	
	14B38	3.5	070	L	.		2405398	A	
	20B35	1.3	080	L	.		2841002	A	
	22B31	49.1T	085	T	T		5125300	A	
IFAST/L									
5125320	06B18	6.9	010	T	T		5125320	A	
	10A22	14.5	020	L	.		3405150	A	
	04C39	.3	030	L	.		7335804	A	
	04C43	14.9	040	L	.		7421004	A	
	21B27	9.3	050	L	.		6196308	A	
	15C38	5.2	060	C	C		5125320	A	
	15D38	3.7	070	C	C		5125320	A	
	12E01	.6	080	L	.		6942302	A	
	12E09	7.0	090	L	.		6825313	A	
	21E44	62.4T	095	S	I		5125320	A	
NIFAST/L									
5125330	26D11	2.2	010	T	T		5125330	A	
	30D04	10.0	020	L	.		4323310	A	
	21E08	2.5	030	L	.		5125100	A	
	21E42	5.7	040	L	.		5125320	A	
	19F39	2.1	050	L	.		5125300	A	
	19F12	22.5T	055	S	I		5125330	A	
IFAST/S									
5125340	22B39	14.1	010	T	T		5125340	A	
	04C37	5.9	020	L	.		7335802	A	
	15C43	5.2	030	C	C		5125340	A	
	15D43	4.9	040	C	C		5125340	A	
	12E19	6.4	050	L	.		6825312	A	
	21E45	36.5T	055	S	I		5125340	A	
NIFAST/S									
5125350	19E14	1.0	010	T	T		5125350	A	
	21E14	2.3	020	L	.		5125100	A	
	21E43	5.5	030	L	.		5125340	A	
	19F33	.9	040	S	I		5125350	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
5138001	29A26	.0T	010	S	NFF		5138001	A	I
5138002-1	29A46	.0T	005	S	+		5138002	A	I
NINT/1									
5138050	09D01	20.7	010	S	I		5138050	AB	
	31B11	1.3	020	L	.	11	5138110	AB	
	29B12	22.0T	025	T	T		5138050	AB	
(INT+IOSC)									
5138100	20C11	2.4	010	S	I		5138100	A	
	16C17	5.2	020	C	C		5138100	A	
	16D17	6.1	030	C	C		5138100	A	
	13E09	10.8	040	L	.		6825321	A	
	20F37	7.8	050	L	.		4421270	A	
	19E09	32.3T	055	T	T		5138100	A	
N(INT+IOSC)									
5138110	31B01	8.0	010	S	B		5138110	A	
	32C31	7.5	020	L	.		2841250	A	
	20C12	15.5T	025	L	.		5138100	A	
(N(INT.KRUN).NKAHOLD)									
5138120	14C15	6.8	006	S	I		5138129	J	
	20B30	6.4	008	S	I		5138127	J	
	32B36	7.1	010	S	B		5138120	A	
	29C45	7.2	015	S	I		5138125	D	
	15C44	5.2	020	C	C		5138120	A	
	15D44	3.6	030	C	C		5138120	A	
	13E13	36.3T	035	L	.		6942317	A	
NINTOP									
5138200	22R41	4.3	010	S	-NS		5138200	D	
	20S12	4.3T	020	L	.		4241015	D	
INTRAP									
5138900	24A31	7.5	010	S	FF		5138900	A	
	18B18	1.8	020	L	.		5011252	A	
	21B21	10.9	030	L	.		5138930	A	
	12C37	3.3	040	L	.		3278030	A	
	16C19	5.2	050	C	C		5138900	A	
	16D19	8.4	060	C	C		5138900	A	
	14E44	6.7	070	L	.		3107042	A	
	17D44	14.2	080	L	.		5154072	C	
	08F37	12.5	085	L	.		5779100	A	
	31F23	70.5T	090	L	.		2054940	C	
NINTRAP									
5138901	24A26	9.2	010	S	NFF		5138901	A	
	32B26	8.3	020	L	.		4323354	A	
	18B44	4.3	030	L	.		4421660	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		17C29	1.9	035	L	.	8065430	D	
		16C44	5.2	040	C	C	5138901	A	
		16D44	3.9	050	C	C	5138901	A	
		15E23	32.8T	055	L	.	3060000	A	
5138902-1	24A46	.0T	005	S	+		5138902	A	I
(R/INTRAP)									
5138920	19A02	5.6	010	S	B		5138920	A	
	24A44	5.9	020	L	.		5138907	A	
	29B20	11.5T	025	T	T		5138920	A	
(S/INTRAP)									
5138930	21B29	8.2	010	S	I		5138930	A	
	19A04	18.1	020	S	B		5138936	A	
	05C12	7.7	040	L	.		5138940	A	
	08B03	2.3	050	L	.		3202700	C	
	09B27	.7	055	S	I		5138938	C	
	09B37	2.0	060	L	.		8010854	C	
	11B23	10.2	070	L	.		5139033	C	
	24A43	.2	080	L	.		5138902	C	
	24A42	6.3	082	L	.		5138952	C	
	29B21	55.7T	085	T	T		5138930	A	
N(S/INTRAP)									
5138940	05C11	10.9	010	S	I		5138940	A	
	26C18	6.4	020	L	.		6902170	A	
	29B22	17.3T	025	T	T		5138940	A	
INTRAP1									
5138950	01L10	5.9	010	T	C		5138950	A	
	11L21	14.2	020	L	.		1150336	B	
	31K35	14.5	030	C	C		5138950	A	
	02A35	11.1	040	C	C		5138950	A	
	24A30	3.8	050	S	FF		5138950	A	
	23B04	2.8	060	L	.		6196312	C	
	20B25	1.7	070	L	.		2841004	A	
	18B35	3.3	080	L	.		5011200	G	
	18C06	9.4	090	L	.		3846016	A	
	15A39	9.7	100	L	.		5138984	A	
	19C04	5.2	110	C	C		5138950	A	
	19D04	1.6	120	C	C		5138950	A	
	22D02	3.9	130	L	.		2904506	A	
	24D39	10.1	140	L	.		5138992	A	
	14E37	97.2T	145	L	.		3107042	A	
NINTRAP1									
5138951	14A09	6.5	005	L	.		8065102	V	
	24A29	4.8	010	S	NFF		5138951	A	
	24B20	5.2	020	L	.		6902130	A	
	21C03	1.1	030	L	.		5138996	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19C05	5.2	040	C	C		5138951	A	
	19D05	15.1	050	C	C		5138951	A	
	02E23	14.5	070	C	C		5138951	A	
	31P23	1.3	080	C	C		5138951	A	
	29P24	2.0	090	L	.		2900110	A	
	30P44	1.7	100	L	.		2900142	A	
	28P33	57.4T	105	T	T		5138951	A	
5138952-1	24A41	.0T	005	S	+		5138952	A	I
(R/INTRAP1)									
5138970	19B14	5.8	010	S	I		5138970	A	
	24A40	6.5	020	L	.		5138957	A	
	29B24	12.3T	025	T	T		5138970	A	
(INTRAP1.NINTRAP2)									
5138992	24D45	.5	010	S	B		5138992	A	
	24D40	12.1	020	L	.		6977300	A	
	31F13	6.0	025	L	.		5138994	B	
	20F08	13.0	030	L	.		6973900	A	
	15D08	5.2	040	C	C		5138992	A	
	15C08	7.5	050	C	C		5138992	A	
	11B03	44.3T	055	L	.		5139032	A	
N(INTRAP1.NINTRAP2)									
5138994	31F15	13.4	010	S	I		5138994	B	
	24D24	1.9	020	L	.		6970100	B	
	26D35	15.3T	030	T	T		5138994	B	
N(NINTRAP1.INTRAP2)									
5138996	21C09	4.1	010	S	I		5138996	A	
	21B26	6.3	020	L	.		7439100	A	
	17A38	9.5	030	L	.		6752022	A	
	30B08	10.2	040	L	.		7443100	A	
	20C08	6.4	050	L	.		8065000	A	
	31C19	5.2	070	C	C		5138996	A	
	31D19	2.3	080	C	C		5138996	A	
	29D01	44.0T	085	L	.		7901534	A	
INTRAP2									
5139000	24B21	2.7	010	L	.		6902130	A	
	19B20	7.0	020	L	.		5138970	A	
	24A33	4.6	030	S	FF		5139000	A	
	15A35	11.2	040	L	.		5139034	A	
	21C05	1.5	050	L	.		5138996	A	
	19C08	5.2	060	C	C		5139000	A	
	19D08	10.0	070	C	C		5139000	A	
	14E38	4.9	080	L	.		3107042	A	
	20E12	47.1T	085	L	.		3900918	A	
NINTRAP2									



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-5139001
TYPE-PINLIST

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133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
5139001	24A34	3.1	010	S	NFF		5139001	A	
	23B03	12.5	020	L	.		6196312	C	
	15C47	5.2	030	C	C		5139001	A	
	15D47	4.6	040	C	C		5139001	A	
	24D42	25.4T	045	L	.		5138992	A	
5139002-1	24A39	.0T	005	S	+		5139002	A	I
(S/INTRAP2)									
5139030	11B18	10.7	010	S	I		5139030	A	
	24A35	1.6	020	L	.		5139002	A	
	26A27	12.3T	025	T	T		5139030	A	
N(S/INTRAP2)									
5139032	11B19	.4	010	S	I		5139032	A	
	11B25	1.7	020	S	I		5139033	A	
	11B04	7.4	030	L	.		5139030	A	
	19B50	9.5T	035	T	T		5139032	A	
INDX									
5145800	26K30	.2	010	S	B		5145798	A	
	26K31	12.3	020	S	B		5145804	A	
	32M15	25.0	030	C	C		5145798	A	
	03E15	7.0	040	C	C		5145798	A	
	15E29	6.4	050	L	.		7900396	A	
	11D42	5.2	060	C	C		5145798	A	
	11C42	10.1	070	C	C		5145798	A	
	26C11	1.4	080	L	.		5188132	A	
	28C05	4.6	090	L	.		6902150	A	
	32C42	13.6	100	L	.		2842256	A	
	28A25	3.9	110	L	.		5188002	A	
	29B01	89.7T	115	T	T		5145798	A	
IOACT									
5150100	06E43	4.3	010	T	T		5150100	A	
	04F14	14.3	020	L	.		2089208	A	
	20E03	.6	040	L	.		7563502	A	
	21E01	8.4	050	L	.		5150110	A	
	27F03	5.3	060	L	.		5159530	A	
	32F42	6.9	070	L	.		2054930	A	
	19F35	39.8T	075	S	I		5150100	A	
NIOACT									
5150110	16B18	3.1	010	T	T		5150110	A	
	10B23	3.6	020	L	.		8010852	A	
	17B18	4.8	030	L	.		6832230	A	
	17C12	3.1	040	L	.		8065435	A	
	21C01	8.0	045	L	.		4253000	D	
	23A44	10.8	050	L	.		3651116	A	
	29C07	1.2	060	L	.		8165918	A	
	27C06	5.2	070	C	C		5150110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	B 15		21	28	33	37	41	77	
	27D06	2.0	080	C	C		5150110	A	
	28D26	7.8	090	L	.		5159820	A	
	21E17	7.8	100	S	I		5150110	A	
	07E08	9.7	110	L	.		6832430	A	
	03F45	25.0	120	C	C		5150110	A	
	32S45	20.8	130	C	C		5150110	A	
	05R17	.4	140	L	.		3567100	A	
	06R14	113.3T	145	T	T		5150110	A	
10AXST									
5150450	15M06	5.9	010	S	I		5150450	A	
	03M09	.5	020	L	.		1100120	A	
	04M09	4.4	030	L	.		1120118	A	
	11M21	10.8T	035	T	T		5150450	A	
N10B0									
5150500	20D37	10.5	010	L	.		5152070	A	
	25F06	3.4	015	S	FF		5150500	A	
	27F38	13.9T	020	L	.		5152066	AA	
I0B0									
5150501	18C04	2.7	010	L	.		8010868	A	
	15C20	5.2	020	C	C		5150501	A	
	15D20	9.0	030	C	C		5150501	A	
	23E15	4.5	040	L	.		5156535	A	
	23F02	.6	050	L	.		5158109	A	
	23F10	6.5	060	L	.		5153408	A	
	28E26	5.0	070	L	.		2844362	A	
	25F07	33.5T	075	S	NFF		5150501	A	
(S/I0B0)									
5150550	27F12	1.1	010	S	B		5150550	A	
	25F09	.6	020	L	.		5150507	A	
	26F11	1.7T	025	T	T		5150550	A	
I0BR9									
5150552	21F14	14.5	010	S	B		5150552	A	
	04E04	3.6	020	L	.		7901526	A	
	03D31	5.2	030	C	C		5150552	A	
	03C31	12.5	040	C	C		5150552	A	
	14B04	3.1	050	L	.		7430134	A	
	12A46	38.9T	055	T	T		5150552	A	
I0CON									
5150554	31F06	2.4	010	S	I		5150554	A	
	31F38	20.4	020	L	.		5150650	A	
	16D06	5.2	030	C	C		5150554	A	
	16C06	5.1	040	C	C		5150554	A	
	06C03	1.8	050	L	.		7328000	A	
	09C07	34.9T	055	T	T		5150554	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-5150650
TYPE-PINLIST

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133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NIOCON									
5150650	12A14	1.0	010	T	T		5150650	A	
	10A14	3.8	020	L	.		3405150	A	
	16A07	1.7	030	L	.		6927110	A	
	17A23	6.7	040	L	.		6821322	A	
	18B38	4.4	050	L	.		7343221	A	
	10B31	6.9	060	L	.		6927014	A	
	06C27	.5	070	L	.		7343104	A	
	07C27	5.2	080	C	C		5150650	A	
	07D27	.9	090	C	C		5150650	A	
	08D34	22.6	100	L	.		7901530	A	
	31F41	53.7T	105	S	I		5150650	A	
IOCONST									
5150700	22F34	8.7	010	S	FF		5150700	A	
	06F24	8.7T	015	L	.		3277100	F	
NIOCONST									
5150701	22F33	3.7	005	S	NFF		5150701	A	
	28F23	3.7T	010	L	.		3277010	B	
5150707-1	22F39	.7	010	S	+		5150707	A	
	23F44	.7T	015	S	+		5150708	A	
(R/IOCONST)									
5150730	28D03	15.9	010	S	B		5150730	A	
	22F35	5.1	020	L	.		5150707	A	
	22E37	21.0T	025	T	T		5150730	A	
(S/IOCONST)									
5150750	27F45	3.1	010	S	B		5150750	A	
	22F38	5.2	020	L	.		5150702	A	
	22E38	8.3T	025	T	T		5150750	A	
IODAP									
5151000	21M14	10.8	010	S	FF		5151000	D	
	08L25	2.1	020	L	*		3530500	A	
	12L27	12.9T	025	L	.		1090362	A	
NIODAP									
5151001	21M12	.0T	005	S	NFF		5151001	D	I
5151002-1	21M11	.0T	005	S	+		5151002	J	I
IODAX									
5151020	21D47	11.9	010	S	I		5151020	A	
	03E12	25.0	020	C	C		5151020	A	
	32M12	14.5	030	C	C		5151020	A	
	09L42	1.0	040	L	.		1032626	A	
	07L42	16.3	050	L	.		1002626	A	
	23K05	68.7T	055	T	T		5151020	B	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
N(R/IODA)									
5151030	29D47	.2	010	S	B		5151031	A	
	29D46	4.5	020	S	B		5151033	A	
	20D46	1.2	030	S	I		5151030	A	
	21D36	.6	040	S	I		5151032	A	
	21D31	3.5	050	L	.		5151020	A	
	22E01	10.0T	055	T	T		5151030	A	
(S/IODAP)									
5151035	12L13	9.7	010	S	I		5151035	A	
	21M13	.6	020	L	.		5151002	D	
	22M15	10.3T	025	T	T		5151035	A	
N(S/IODAP)									
5151036	05K06	8.6	010	T	T		5151036	B	
	12L04	.6	020	L	.		5151035	A	
	12L12	.1	030	S	I		5151036	A	
	12L14	9.3T	035	S	I		5151038	A	
(S/IODAP/SKIP)									
5151039	06L01	14.0	020	S	B		5151039	G	
	21M20	6.0	030	L	.		5151002	G	
	30M40	20.0T	040	T	T		5151039	G	
IODAXA									
5151040	21D46	11.4	010	S	I		5151040	A	
	03E08	25.0	020	C	C		5151040	A	
	32M08	14.6	030	C	C		5151040	A	
	09L36	1.0	040	L	.		1032624	A	
	07L36	8.4	050	L	.		1002623	A	
	05K05	60.4T	055	T	T		5151040	B	
NIODAXA									
5151050	11F12	15.7	010	S	I		5151054	A	
	20D02	3.6	020	S	I		5151050	A	
	21D44	1.0	030	S	I		5151052	A	
	21D30	4.0	040	L	.		5151040	A	
	29D30	6.6	050	L	.		5151033	A	
	22E02	30.9T	055	T	T		5151050	A	
IODC									
5151100	16F12	2.6	010	S	B		5151100	A	
	21F10	4.9	020	L	.		3532540	A	
	23E31	.3	030	L	.		7890532	A	
	23E27	3.4	040	L	.		5156732	A	
	28E39	4.8	050	L	.		2843858	A	
	27F27	2.1	060	L	.		5156520	A	
	31F30	4.3	070	L	.		5151110	A	
	30E47	22.4T	075	T	T		5151100	A	
NIODC									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
5151110	31F46	5.1	010	S	I		5151110	A	
	21F44	9.6	020	L	.		5151150	A	
	30E46	14.7T	025	T	T		5151110	A	
(NIODC.DASW4)									
5151150	21F36	16.0	010	S	B		5151150	A	
	15D02	5.2	020	C	C		5151150	A	
	15C02	3.4	030	C	C		5151150	A	
	14B31	1.0	040	L	.		2405394	A	
	16B31	25.6T	045	T	T		5151150	A	
IOEN									
5152000	26D18	4.9	010	T	T		5152000	A	
	20D44	7.8	040	L	.		5152070	A	
	26E38	10.5	045	L	.		5152080	L	
	10E03	9.8	050	L	.		5152700	A	
	16F26	6.9	060	L	.		5152750	A	
	27F43	1.5	065	L	.		5152066	AA	
	27F23	2.9	070	L	.		5154040	A	
	22F29	44.3T	075	S	FF		5152000	A	
NIOEN									
5152001	12A47	9.1	010	T	T		5152001	A	
	30A42	13.9	020	L	.		6845604	A	
	18C11	2.1	040	L	.		8010866	A	
	22C09	.7	050	L	.		6196206	A	
	22C19	.5	060	L	.		6196204	A	
	23C19	5.2	070	C	C		5152001	A	
	23D19	1.8	080	C	C		5152001	A	
	20D20	16.0	090	L	.		6041110	J	
	12F40	3.6	110	L	.		4395300	A	
	19F38	2.1	120	L	.		5150100	A	
	22F30	55.0T	125	S	NFF		5152001	A	
5152007-1	22F41	.0T	005	S	+		5152007	A	I
(R/IOEN)									
5152030	27E26	8.9	010	S	I		5152030	A	
	22F42	5.6	020	L	.		5152007	A	
	22E41	14.5T	025	T	T		5152030	A	
N(R/IOEN)									
5152040	18F20	9.4	010	S	I		5152040	A	
	27E24	1.7	020	L	.		5152030	A	
	30E25	11.1T	025	T	T		5152040	A	
(S/IOEN)									
5152050	25D46	11.5	010	S	I		5152050	A	
	22F40	5.7	020	L	.		5152002	A	
	22E34	17.2T	025	T	T		5152050	A	



DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-5152060
 TYPE-PINLIST

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 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
N(S/IOEN)									
5152060	25D47	3.3	010	S	I		5152060	A	
	26E15	3.3T	015	S	I		5152064	A	
(IOEN.NIOB0)									
5152066	27F35	12.7	010	S	B		5152066	AA	
	30D22	.3	020	L	.		6902496	AA	
	30D18	13.0T	025	L	.		6902494	AA	
(NIOEN+IOB0)									
5152070	22B03	1.3	010	T	T		5152070	A	
	25B02	3.9	020	L	.		2842062	A	
	21B28	3.0	030	L	.		6196308	A	
	15B28	3.0	040	L	.		2405356	A	
	10B19	9.6	050	L	.		6196328	A	
	04C34	.1	060	L	.		7335802	A	
	04C36	.5	070	L	.		7335804	A	
	04C41	1.1	080	L	.		7421004	A	
	06C39	.6	090	L	.		7343370	A	
	07C37	5.2	100	C	C		5152070	A	
	07D37	5.2	110	C	C		5152070	A	
	12E03	.6	120	L	.		6942302	A	
	12E08	.9	130	L	.		6825313	A	
	12E20	7.3	140	L	.		6825312	A	
	26E23	7.4	150	L	.		6845680	A	
	20D36	49.7T	155	S	I		5152070	A	
N(IOEN.IO5C)									
5152080	26E35	3.8	010	S	I		5152080	L	
	32E20	7.8	012	L	.		3691000	L	
	23D46	5.2	015	C	C		5152080	L	
	23C46	10.8	020	C	C		5152080	L	
	28B09	.6	040	L	.		2841604	L	
	29B11	28.2T	050	T	T		5152080	L	
IOEN6									
5152170	08D38	6.8	010	S	I		5152170	A	
	21D41	10.2	020	S	I		5152174	A	
	21F34	8.9	030	S	B		5152172	A	
	26E18	2.0	040	L	.		5152064	A	
	30E18	27.9T	045	T	T		5152170	A	
IOEN6/1									
5152500	01Q35	22.2	010	S	I		5152602	A	
	20N02	6.4	020	S	I		5152600	A	
	20P18	5.9	030	S	I		5152500	A	
	31P24	14.5	040	C	C		5152500	A	
	02E24	14.7	050	C	C		5152500	A	
	21F24	9.6	060	L	.		5152172	A	
	30E29	73.3T	065	T	T		5152500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
IOENIN 5152700	09C15	2.7	010	T	T		5152700	A	
	13C02	1.2	020	L	.		2405384	A	
	15C03	5.2	030	C	C		5152700	A	
	15D03	2.1	035	C	C		5152700	B	
	17D20	3.4	050	L	.		7900467	A	
	21D37	.1	060	L	.		5151032	A	
	21D39	13.1	070	L	.		5152720	A	
	32F02	15.6	080	L	.		2843864	A	
	10E09	43.4T	085	S	B		5152700	A	
NIOENIN 5152720	21D35	1.0	010	S	I		5152720	A	
	20D38	6.9	020	L	.		5153290	A	
	23E39	6.6	030	L	.		5156430	A	
	19F31	4.8	040	L	.		5153285	A	
	10F27	19.3T	045	T	T		5152720	A	
IOENNIN 5152750	06B06	11.1	010	T	T		5152750	A	
	18C03	3.2	020	L	.		8010868	A	
	15C22	5.2	030	C	C		5152750	A	
	15D22	9.0	040	C	C		5152750	A	
	23E17	2.4	050	L	.		5156535	A	
	28E18	4.8	060	L	.		2844362	A	
	27F06	7.2	070	L	.		5150550	A	
	16F33	42.9T	075	S	B		5152750	A	
POFF 5153000	31N34	13.1	010	S	-BCR		5153000	A	
	24Q22	5.2	020	C	C		5153000	A	
	24R22	1.1	030	C	C		5153000	A	
	25R14	19.4T	035	L	.		1012682	A	
NIOFM 5153250	18T10	.0T	095	S	FF		5153250	A	I
IOFM 5153251	04R19	7.5	010	L	.		1264990	A	
	01S26	.5	020	L	.		5140142	A	
	02S26	.5	030	L	.		5140242	A	
	03S26	.5	040	L	.		5140342	A	
	04S26	6.7	050	L	.		5140442	A	
	01T26	.5	060	L	.		5140182	A	
	02T26	.5	070	L	.		5140282	A	
	03T26	.5	080	L	.		5140382	A	
	04T26	.5	090	L	.		5140482	A	
	05T26	.5	100	L	.		5140162	A	
	06T26	.5	110	L	.		5140262	A	
	07T26	.5	120	L	.		5140362	A	
	08T26	7.5	130	L	.		5140462	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	10S13	9.2	140	L	.		5153270	A	
	14T39	.2	146	L	.		5153280	J	
	14T38	.1	148	L	.		5153262	J	
	14T36	3.8	150	S	I		5153252	J	
	18T12	40.0T	155	S	NFF		5153251	A	
NIOFM/1									
5153262	14T41	5.3	010	S	I		5153262	J	
	16S50	5.1	020	L	.		1243750	J	
	12T22	.5	030	L	.		7394362	J	
	11T22	.5	040	L	.		7394262	J	
	10T22	.5	050	L	.		7394162	J	
	09T22	5.7	060	L	.		7394062	J	
	08S22	.5	070	L	.		7394342	J	
	07S22	.5	080	L	.		7394242	J	
	06S22	.5	090	L	.		7394142	J	
	05S22	4.6	100	L	.		7394042	J	
	11S44	23.7T	110	T	T		5153262	J	
IOFM-1									
5153270	10S15	8.4	010	S	B		5153270	A	
	01R34	21.0	020	C	C		5153270	A	
	01M34	13.1	030	C	C		5153270	A	
	05K26	.5	040	L	.		5140102	A	
	06K26	.5	050	L	.		5140202	A	
	07K26	.5	060	L	.		5140302	A	
	08K26	6.0	070	L	.		5140402	A	
	20K26	.5	080	L	.		5140422	A	
	21K26	.5	090	L	.		5140322	A	
	22K26	.5	100	L	.		5140222	A	
	23K26	3.5	110	L	.		5140122	A	
	28K12	55.0T	115	T	T		5153270	A	
NIOFM-1									
5153280	14T35	17.0	010	S	I		5153280	J	
	01R35	21.0	020	C	C		5153280	A	
	01M35	15.2	030	C	C		5153280	A	
	09K22	.5	040	L	.		7394002	A	
	10K22	.5	050	L	.		7394102	A	
	11K22	.5	060	L	.		7394202	A	
	12K22	5.5	070	L	.		7394302	A	
	14L12	5.5	075	L	.		5153282	N	
	16K22	.5	080	L	.		7394322	A	
	17K22	.5	090	L	.		7394222	A	
	18K22	.5	100	L	.		7394122	A	
	19K22	8.0	110	L	.		7394022	A	
	05K08	75.2T	115	T	T		5153280	B	
NIOFM-R									
5153282	14L11	6.5	010	S	B		5153282	N	
	13K01	6.5T	020	L	*		5153281	N	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
N(10FR8.NRW)									
5153283	26D17	1.3	010	T	T		5153283	N	
	24D18	1.1	020	L	.		2405342	N	
	24D07	19.2	030	L	.		2490130	N	
	03E50	25.0	040	C	C		5153283	N	
	32M50	15.8	050	C	C		5153283	N	
	18L02	62.4T	055	S	I		5153283	N	
10FRX									
5153285	03E47	10.8	010	C	C		5153285	A	
	19F15	19.1	020	S	I		5153285	A	
	11M23	8.3	030	T	T		5153285	A	
	07L09	1.0	040	L	.		1002646	A	
	09L09	19.6	050	L	.		1032646	A	
	32M47	58.8T	055	C	C		5153285	A	
10FRXA									
5153288	12C46	16.4	010	S	B		5153288	A	
	02A34	14.5	020	C	C		5153288	A	
	31K34	14.6	030	C	C		5153288	A	
	09L12	1.0	040	L	.		1032642	A	
	07L12	8.1	050	L	.		1002642	A	
	11M24	54.6T	055	T	T		5153288	A	
10FRXFR									
5153290	03E40	14.4	010	C	C		5153290	A	
	20D35	10.5	020	S	I		5153290	A	
	11M25	8.3	030	T	T		5153290	A	
	07L11	1.0	040	L	.		1002642	A	
	09L11	18.8	050	L	.		1032642	A	
	32M40	53.0T	055	C	C		5153290	A	
N(S/10FM)									
5153300	17A15	14.7	010	S	B		5153300	A	
	12C34	4.9	020	S	B		5153302	A	
	03C27	5.2	030	C	C		5153300	A	
	03D27	12.0	040	C	C		5153300	A	
	03F44	25.0	050	C	C		5153300	A	
	32S44	9.8	060	C	C		5153300	A	
	18T15	3.9	070	L	.		5153254	J	
	19S39	75.5T	075	T	T		5153300	A	
10FS									
5153400	22F26	8.5	010	S	FF		5153400	A	
	06F37	19.9	020	L	.		4410150	A	
	25D34	28.4T	025	L	.		5152060	A	
N10FS									
5153401	22F31	1.0	010	S	NFF		5153401	A	
	23F40	1.0T	015	L	.		5158108	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
5153407-1	22F46	3.3	010	S	+		5153407	A	
	23F08	3.3T	015	S	+		5153408	A	
(R/IOFS)									
5153430	31E27	10.9	010	S	I		5153430	A	
	22F43	4.0	020	L	.		5153407	A	
	26F12	14.9T	025	T	T		5153430	A	
N(R/IOFS)									
5153435	20D15	11.1	010	S	I		5153435	A	
	31E22	7.7	020	L	.		5153430	A	
	17E35	8.3	030	S	I		5153437	A	
	30E11	27.1T	035	T	T		5153435	A	
(S/IOFS)									
5153440	28D04	16.5	010	S	B		5153440	T	
	22F44	16.5T	020	L	.		5153402	A	
IOIN									
5154000	03E39	14.3	010	C	C		5154000	A	
	20D31	8.5	020	L	.		5153435	A	
	10E04	10.8	030	L	.		5152700	A	
	18F23	3.9	040	L	.		5152040	A	
	25F14	17.6	060	S	FF		5154000	A	
	32M39	15.4	070	C	C		5154000	A	
	27K08	9.4	080	L	.		1110350	A	
	18L04	11.4	090	L	.		5154015	A	
	05K07	91.3T	095	T	T		5154000	B	
NIOIN									
5154001	26E44	8.5	008	L	.		6038800	F	
	30D31	9.1	010	L	.		6902494	A	
	31F08	3.3	020	L	.		5150554	A	
	25F12	5.0	030	S	NFF		5154001	A	
	19F43	2.2	040	L	.		5150100	A	
	18F22	.9	050	L	.		5152040	A	
	16F25	3.0	060	L	.		5152750	A	
	12F39	32.0T	065	L	.		4395300	A	
5154002-1	25F11	.0T	005	S	+		5154002	A	I
NIOIN-1									
5154015	18L13	8.8	010	S	I		5154015	A	
	24K02	24.8	020	L	.		4241003	M	
	01M43	21.0	030	C	C		5154015	A	
	01R43	1.0	040	C	C		5154015	A	
	03R43	1.5	050	L	.		3315123	A	
	06R43	57.1T	055	T	T		5154015	A	
(S/IOIN)									
5154040	27F34	2.4	010	S	B		5154040	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-5154040
TYPE-PINLIST374
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	25F13	2.4T	015	L	.		5154002	A	
I0INH 5154060	31F47	8.4	010	S	I		5154060	A	
	18F21	4.3	020	L	.		5152040	A	
	10F22	12.7T	025	T	T		5154060	A	
N10INH 5154070	17D25	10.2	010	S	I		5154070	C	
	26E31	2.2	020	L	.		5152064	A	
	23E41	6.4	030	L	.		5159830	A	
	25D39	.3	040	L	.		5152062	A	
	25D36	4.2	050	L	.		5152060	A	
	30D17	12.0	060	L	.		6902494	A	
	31F31	2.8	070	L	.		5154060	A	
	27F22	1.5	080	L	.		5154040	A	
	27F05	6.3	090	L	.		5150550	A	
	22E26	45.9T	095	T	T		5154070	A	
N10IR 5154200	28F22	2.8	005	L	.		5173001	B	
	25F04	13.0	010	S	FF		5154200	A	
	04E40	15.8T	015	L	.		3277180	A	
I0IR 5154201	25F05	9.6	010	S	NFF		5154201	A	
	06F07	.4	015	L	.		2183000	G	
	06F13	14.5	020	L	.		5154300	F	
	29E43	2.8	025	L	.		7890342	A	
	26E25	27.3T	030	L	.		6820160	P	
5154202-1	25F03	.0T	005	S	+		5154202	A	I
5154300-1	06F15	2.3	010	S	B		5154300	F	
	07F39	2.3T	015	L	*		5154300	F	
I0INTST 5155000	15L46	2.4	010	S	I		5155000	A	
	18L34	8.6	020	S	I		5155002	A	
	30L03	9.3	030	L	.		5155050	A	
	18L47	20.3T	035	T	T		5155000	A	
N10INTST 5155050	30L19	12.2	010	S	I		5155050	A	
	15M08	3.6	020	L	.		5150450	A	
	18L50	15.8T	025	T	T		5155050	A	
I0PA0 5155800	07F08	.0T	005	S	-BCR		5155800	A	I
5155810-1	06F19	1.7	010	S	B		5155810	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	05F03	1.7T	015	L	*		5155810	A	
IOPA1									
5155830	07F13	.0T	005	S	-BCR		5155830	A	1
5155840-1	06F05	1.3	010	S	B		5155840	A	
	05F12	1.3T	015	L	*		5155840	A	
IOPA2									
5155860	07F18	.0T	005	S	-BCR		5155860	A	1
5155870-1	06F17	.6	010	S	B		5155870	A	
	05F15	.6T	015	L	*		5155870	A	
IOPADD									
5156000	17F09	11.8	010	S	B		5156000	A	
	20D08	12.1	015	L	.		5156890	C	
	29E40	6.1	020	L	.		7890340	A	
	31F37	30.0T	025	L	.		5156010	A	
NIOPADD									
5156010	31F36	18.1	010	S	I		5156010	A	
	04E43	6.8	020	L	.		3277180	A	
	10F26	24.9T	025	T	T		5156010	A	
IOPC									
5156100	14K30	.0T	005	S	B		5156100	A	1
NIOPC									
5156120	14K28	5.4	010	S	I		5156120	A	
	12L21	2.2	020	L	.		5151038	A	
	15L08	7.6T	025	L	.		5156125	A	
(IOPC+NPC)									
5156125	15L06	14.8	010	S	I		5156125	A	
	32M19	25.0	020	C	C		5156125	A	
	03E19	13.8	030	C	C		5156125	A	
	17F42	7.2	040	L	.		8133002	A	
	16E21	60.8T	045	T	T		5156125	A	
IOPC/1									
5156130	14K33	.9	010	S	B		5156130	A	
	14K21	.9T	015	L	.		5156106	A	
NIOPC/1									
5156140	14K35	1.3	010	S	I		5156140	A	
	14K17	1.3T	015	L	.		5156104	A	
IOPC/2									
5156150	14K34	1.4	010	S	B		5156150	A	
	14K19	1.4T	015	L	.		5156106	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
5156400	25F27	.0T	005	S	FF		5156400	A	I
IOPHO									
5156401	12A44	2.3	010	T	T		5156401	A	
	15A37	5.9	020	L	.		6845188	A	
	14B36	3.5	030	L	.		2405396	A	
	15C06	5.2	040	C	C		5156401	A	
	15D06	10.9	050	C	C		5156401	A	
	05E19	10.2	060	L	.		3905401	A	
	15F20	.8	070	L	.		5156460	A	
	15F29	1.0	080	L	.		5156450	A	
	16F18	.5	090	L	.		6554100	A	
	17F18	1.1	100	L	.		8133000	A	
	17F31	3.6	110	L	.		8133500	A	
	21F06	3.6	120	L	.		5156860	A	
	25F28	48.6T	125	S	NFF		5156401	A	
5156402-1	25F50	.0T	005	S	+		5156402	A	I
(R/IOPHO)									
5156420	27E27	7.7	010	S	I		5156420	A	
	25F47	8.7	020	L	.		5156402	A	
	22E21	16.4T	025	T	T		5156420	A	
N(R/IOPHO)									
5156425	23E12	2.7	010	S	I		5156425	A	
	27E22	2.6	020	L	.		5156420	A	
	22E19	5.3T	025	T	T		5156425	A	
(S/IOPHO)									
5156430	23E23	7.9	010	S	I		5156430	A	
	25F45	8.9	020	L	.		5156407	A	
	22E18	16.8T	025	T	T		5156430	A	
(IOPHO.SWB)									
5156440	16B12	.4	010	T	T		5156440	A	
	15B11	2.5	020	L	.		7430202	A	
	14B34	3.9	030	L	.		2405398	A	
	20B45	6.9	040	L	.		2841054	A	
	23C47	5.2	050	C	C		5156440	A	
	23D47	3.8	060	C	C		5156440	A	
	22D04	4.9	070	L	.		2904502	A	
	17D36	8.4	080	L	.		7900472	A	
	05D04	6.1	090	L	.		6977008	A	
	07E01	3.7	100	L	.		6832432	A	
	05E34	13.8	110	L	.		7900040	A	
	28E07	2.9	120	L	.		2844052	A	
	27E39	8.3	130	L	.		7410830	A	
	23F50	5.8	140	L	.		5158108	A	
	15F26	76.6T	145	S	B		5156440	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
(IOPHO.SW10)									
5156450	16B36	.6	010	T	T		5156450	A	
	15B34	3.6	020	L	.		7430300	A	
	20B47	5.7	030	L	.		2841002	A	
	19C47	5.2	040	C	C		5156450	A	
	19D47	3.5	050	C	C		5156450	A	
	17D13	8.9	060	L	.		7901036	A	
	26E04	4.2	070	L	.		2844250	A	
	21E31	4.4	080	L	.		2904510	A	
	13E25	4.5	090	L	.		6977026	A	
	05E20	10.9	100	L	.		7900036	A	
	15F27	51.5T	105	S	B		5156450	A	
(IOPHO.SW12)									
5156460	03F27	7.9	010	C	C		5156460	A	
	05E05	3.5	020	L	.		3905401	A	
	07E39	11.9	030	L	.		7901606	A	
	22D46	3.4	040	L	.		2843854	A	
	28D40	5.5	050	L	.		7890230	A	
	23E10	1.2	060	L	.		5156425	A	
	23E26	3.3	070	L	.		5156730	A	
	29E22	4.9	080	L	.		7890344	A	
	27F04	7.0	090	L	.		5156630	A	
	15F18	19.8	100	S	B		5156460	A	
	32S27	9.2	110	C	C		5156460	A	
	17S46	1.9	120	L	.		1324908	A	
	19S37	79.5T	125	T	T		5156460	A	
(IOPHO.SW12)-F									
5156463	15F28	17.7	010	S	B		5156463	A	
	31D38	5.2	020	C	C		5156463	A	
	31C38	14.4	030	C	C		5156463	A	
	15B22	4.0	040	L	.		2405402	A	
	21B08	5.0	050	L	.		6196302	A	
	20A18	46.3T	055	T	T		5156463	A	
(IOPHO.SW13)									
5156465	15F19	3.0	010	S	B		5156465	A	
	11F05	4.2	020	L	.		5151054	A	
	08F38	10.9	030	L	.		3905534	A	
	06D46	.4	040	L	.		2010102	A	
	05D45	.8	050	L	.		2400202	A	
	04D41	.3	060	L	.		2400440	A	
	04D37	2.5	070	L	.		2400410	A	
	04D03	13.1	080	L	.		2400542	A	
	03F28	25.0	090	C	C		5156465	A	
	32S28	8.1	100	C	C		5156465	A	
	17S20	12.3	110	L	.		7890106	A	
	01R31	21.0	120	C	C		5156465	A	
	01M31	9.6	130	C	C		5156465	A	
	06L02	3.3	140	L	.		5151039	G	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	12L05	10.5	150	L	.		5151036	A	
	21M15	6.1	152	L	.		5151007	D	
	11M26	131.1T	155	T	T		5156465	A	
(1OPH0.SW13)-F									
5156467	15F25	11.7	010	S	B		5156467	A	
	28E22	8.0	020	L	.		2844550	A	
	25D03	9.3	030	L	.		7901552	A	
	09D21	.5	050	L	.		6942402	A	
	09D24	.4	060	L	.		6825340	A	
	09D30	4.0	070	L	.		6942400	A	
	03D44	5.2	090	C	C		5156467	A	
	03C44	6.5	100	C	C		5156467	A	
	10C04	10.0	110	L	.		8010860	A	
	07A30	6.8	120	L	.		3405162	A	
	20A34	62.4T	125	T	T		5156467	A	
(1OPH0.SW14)									
5156470	15F05	9.4	010	S	B		5156470	A	
	23E03	1.4	020	L	.		5156427	A	
	23E18	3.9	030	L	.		5156537	A	
	28E35	8.1	040	L	.		2843860	A	
	25D17	4.8	050	L	.		7901554	A	
	17D08	8.0	060	L	.		7901030	A	
	06D45	4.1	070	L	.		2010102	A	
	03D12	5.2	080	C	C		5156470	A	
	03C12	7.8	090	C	C		5156470	A	
	18C08	16.8	100	L	.		8010866	A	
	01A35	15.5	110	C	C		5156470	A	
	32K35	14.0	120	C	C		5156470	A	
	12L19	7.3	130	L	.		5151038	A	
	11M36	106.3T	135	T	T		5156470	A	
(1OPH0.SW15)									
5156475	22B06	10.2	010	T	T		5156475	A	
	32C06	7.9	020	L	.		6038030	A	
	18C18	5.1	030	L	.		3846018	A	
	10C01	4.2	040	L	.		8010860	A	
	07C34	5.2	050	C	C		5156475	A	
	07D34	2.6	060	C	C		5156475	A	
	04D17	.8	070	L	.		2400544	A	
	04D24	.9	075	L	.		7900077	C	
	04D35	.7	080	L	.		2400412	A	
	04D45	1.1	090	L	.		2400442	A	
	06D43	6.2	100	L	.		2010104	A	
	05E46	15.0	110	L	.		7900031	C	
	22D33	14.7	120	L	.		2843852	A	
	32F23	10.6	130	L	.		7890828	A	
	23E11	.7	150	L	.		5156425	A	
	23E21	2.2	160	L	.		5156535	A	
	25E37	8.7	170	L	.		7890744	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		15F17	96.8T 175	S	B		5156475	A	
NIOPH1									
5156500		20D17	9.3 010	L	.		5153435	A	
		10E05	9.8 020	L	.		5152700	A	
		20D11	12.7 030	L	.		6815825	A	
		18F24	.9 040	L	.		5152040	A	
		16F27	4.8 050	L	.		5152750	A	
		25F31	37.5T 055	S	FF		5156500	A	
IOPH1									
5156501		25F26	4.6 010	S	NFF		5156501	A	
		16F23	2.2 020	L	.		8051028	A	
		13F33	1.6 030	L	.		5156560	A	
		14F50	3.7 040	L	.		5156550	A	
		08F39	22.3 050	L	.		5156568	A	
		30D24	1.0 060	L	.		6902496	A	
		31D21	5.2 070	C	C		5156501	A	
		31C21	3.4 080	C	C		5156501	A	
		26C09	3.3 090	L	.		5156546	A	
		27B38	8.6 100	L	.		7430204	A	
		14B10	4.3 110	L	.		7430132	A	
		15A33	60.2T 115	L	.		6845288	A	
5156502-1		25F46	.0T 005	S	+		5156502	A	I
(R/IOPH1)									
5156520		27F33	1.7 010	S	B		5156520	A	
		25F43	1.7T 015	L	.		5156502	A	
(S/IOPH1)									
5156530		27E25	7.9 010	S	I		5156530	A	
		25F44	5.8 020	L	.		5156507	A	
		26E47	13.7T 025	T	T		5156530	A	
N(S/IOPH1)									
5156535		23E13	2.7 010	S	I		5156535	A	
		27E23	6.8 020	L	.		5156530	A	
		20D50	9.5T 025	T	T		5156535	A	
(IOPH1.SWB)									
5156540		14F45	5.2 010	S	B		5156540	A	
		14E45	.3 020	L	.		6942406	A	
		14E41	12.3 030	L	.		6942404	A	
		05D08	12.1 040	L	.		6977006	A	
		13E45	2.0 050	L	.		7900461	A	
		14E25	4.8 060	L	.		6825342	A	
		23E29	10.6 070	L	.		5156732	A	
		03E37	25.0 080	C	C		5156540	A	
		32M37	13.1 090	C	C		5156540	A	
		30K15	13.0 100	L	.		1020350	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	18L39	10.1	110	L	.		1000345	A	
	14K02	.6	120	L	.		1000350	A	
	14K10	.1	130	L	.		1120350	A	
	14K12	7.3	140	L	.		1120350	A	
	12L26	.3	150	L	.		1090362	A	
	12L30	1.4	160	L	.		1130360	A	
	12L47	118.2T	165	T	T		5156540	A	
(IOPH1.SW8)-F									
5156543	10B50	4.9	010	T	T		5156543	A	
	15B21	1.8	020	L	.		2405404	A	
	14B39	.1	030	L	.		2405394	A	
	14B41	4.5	040	L	.		2405390	A	
	18C05	3.7	050	L	.		8010870	A	
	16C38	5.2	060	C	C		5156543	A	
	16D38	7.1	070	C	C		5156543	A	
	25D07	6.3	080	L	.		7410832	A	
	25E21	2.2	090	L	.		7410236	A	
	23E34	1.0	100	L	.		7890532	A	
	25E34	2.0	110	L	.		7890744	A	
	29E34	.4	120	L	.		7890844	A	
	28E37	5.2	130	L	.		2843858	A	
	27F26	7.8	140	L	.		5156520	A	
	13F41	52.2T	145	S	B		5156543	A	
(IOPH1.SW9)									
5156545	14F44	8.1	010	S	B		5156545	A	
	17E26	2.7	020	L	.		7900475	A	
	13E36	4.6	030	L	.		6977026	A	
	05E28	2.0	040	L	.		7900043	A	
	04E08	11.2	050	L	.		3900916	A	
	20D39	2.2	060	L	.		8051020	A	
	21D12	1.3	070	L	.		5156547	A	
	22D05	4.2	080	L	.		2904504	A	
	25D41	3.4	090	L	.		7410282	A	
	25E17	1.7	100	L	.		7890826	A	
	25E36	.5	110	L	.		7890746	A	
	25E41	2.8	120	L	.		7410230	A	
	26E06	1.6	130	L	.		2844150	A	
	29E08	6.7	140	L	.		7890440	A	
	20D47	53.0T	145	T	T		5156545	A	
(IOPH1.SW9)-F									
5156546	23K08	14.0	010	T	T		5156546	B	
	06L12	16.2	020	L	.		1100350	A	
	32K43	15.5	030	C	C		5156546	A	
	01A43	9.5	040	C	C		5156546	A	
	15B08	4.0	050	L	.		7430200	A	
	20B27	7.8	060	L	.		2841056	A	
	14C21	3.2	070	L	.		2405382	A	
	10C34	10.4	080	L	.		3405160	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	26C02	80.6T	085	S	B		5156546	A	
N(1OPH1.SW9)									
5156547	21D11	5.0	010	S	I		5156547	A	
	20E01	6.5	020	L	.		7563502	A	
	26D20	11.5T	025	T	T		5156547	A	
(1OPH1.SW10)									
5156550	13E27	7.0	010	L	.		7900463	A	
	14F46	11.1	020	S	B		5156550	A	
	25E45	8.1	030	L	.		7410232	A	
	25D08	2.0	040	L	.		7410834	A	
	26D28	28.2T	045	T	T		5156550	A	
(1OPH1.SW11)									
5156555	16B17	1.9	010	T	T		5156555	A	
	14B29	.9	020	L	.		2405362	A	
	15B35	5.2	030	L	.		7430302	A	
	15C35	5.2	040	C	C		5156555	A	
	15D35	4.7	050	C	C		5156555	A	
	21D08	4.2	060	L	.		8051022	A	
	25D38	7.4	070	L	.		5152062	A	
	28E45	1.0	080	L	.		2844360	A	
	27E40	10.8	090	L	.		3510815	A	
	05E41	2.3	100	L	.		7900043	A	
	04E17	4.9	110	L	.		7901528	A	
	04F13	7.5	120	L	.		5156557	A	
	14F47	56.0T	125	S	B		5156555	A	
N(1OPH1.SW11)									
5156557	04F15	.6	010	S	I		5156557	A	
	04F08	5.7	020	L	.		2089208	A	
	10F44	6.3T	025	T	T		5156557	A	
(1OPH1.SW12)									
5156560	22B35	1.3	010	T	T		5156560	A	
	20B36	6.4	020	L	.		2841002	A	
	13C09	1.5	030	L	.		7430306	A	
	15C18	5.2	040	C	C		5156560	A	
	15D18	6.4	050	C	C		5156560	A	
	04D06	1.1	060	L	.		2905504	A	
	05D01	4.9	070	L	.		6977008	A	
	10D33	8.4	080	L	.		7901520	A	
	22D01	4.8	090	L	.		2904502	A	
	25D45	3.9	100	L	.		7410280	A	
	25E24	11.8	110	L	.		7410236	A	
	13F35	55.7T	115	S	B		5156560	A	
(1OPH1.SW13)									
5156565	13F34	4.4	010	S	B		5156565	A	
	21F40	3.6	020	L	.		7500770	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	23F09	.8	040	L	.		5153408	B	
	25F08	4.5	050	L	.		5150502	A	
	26E24	8.6	060	L	.		6845680	A	
	12E02	1.5	080	L	.		6942302	A	
	12E21	3.1	090	L	.		6825312	A	
	07E13	2.1	100	L	.		6832434	A	
	04E05	15.0	110	L	.		3900914	A	
	26D21	43.6T	115	T	T		5156565	A	
(1OPH1.SW13)-F									
5156567	22827	2.9	010	T	T		5156567	A	
	25B04	2.7	020	L	.		2842062	A	
	21B17	6.9	030	L	.		6196308	A	
	16A30	4.5	040	L	.		8165724	A	
	15B17	6.1	050	L	.		2405356	A	
	18C10	7.7	060	L	.		8010866	A	
	10B29	8.5	070	L	.		6196328	A	
	06C42	2.7	080	L	.		7343370	A	
	06C06	3.4	090	L	.		3202706	A	
	04C38	.1	100	L	.		7335802	A	
	04C40	.6	110	L	.		7335804	A	
	03C37	5.2	120	C	C		5156567	A	
	03D37	15.3	130	C	C		5156567	A	
	13F36	66.6T	135	S	B		5156567	A	
N(1OPH1.SW13)									
5156568	08F45	14.0	010	S	I		5156568	A	
	15D45	5.2	020	C	C		5156568	A	
	15C45	6.4	030	C	C		5156568	A	
	06C19	1.1	040	L	.		7343170	A	
	08C17	1.8	050	L	.		7343140	A	
	09C35	28.5T	055	T	T		5156568	A	
N1OPH2									
5156600	25F30	.0T	005	S	FF		5156600	A	I
1OPH2									
5156601	06B15	8.3	010	T	T		5156601	A	
	15A30	12.2	020	L	.		6845488	A	
	16C45	5.2	030	C	C		5156601	A	
	16D45	12.6	040	C	C		5156601	A	
	13F50	7.8	050	L	.		5156665	A	
	25F29	46.1T	055	S	NFF		5156601	A	
5156604-1	25F41	.0T	005	S	+		5156604	A	I
(R/1OPH2)									
5156620	27E28	7.3	010	S	I		5156620	A	
	25F42	7.7	020	L	.		5156604	A	
	19E47	15.0T	025	T	T		5156620	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-5156625
 TYPE-PINLIST

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 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
N(R/IOPH2)									
5156625	19E22	4.3	010	T	T		5156625	A	
	27E21	3.7	020	L	.		5156620	A	
	23E40	3.2	030	L	.		5156430	A	
	23E01	11.2T	035	S	I		5156625	A	
(S/IOPH2)									
5156630	27F13	3.3	010	S	B		5156630	A	
	25F40	3.3T	015	L	.		5156607	A	
(IOPH2.SW13)									
5156665	26A11	2.1	010	T	T		5156665	A	
	27A33	.9	020	L	.		2560053	A	
	27A45	7.4	030	L	.		2560003	A	
	18B10	8.1	040	L	.		2578000	A	
	16C39	5.2	060	C	C		5156665	A	
	16D39	3.0	070	C	C		5156665	A	
	17D02	15.4	080	L	.		7901036	A	
	13F45	42.1T	085	S	B		5156665	A	
(IOPH2.SW14)									
5156670	29B36	9.5	010	T	T		5156670	A	
	20C37	2.5	020	L	.		2562070	A	
	15C37	5.2	030	C	C		5156670	A	
	15D37	6.9	040	C	C		5156670	A	
	06D05	8.2	050	L	.		2405482	A	
	07E40	14.2	060	L	.		7901604	A	
	22D20	4.9	070	L	.		2844354	A	
	23E07	13.3	080	L	.		5156625	A	
	13F44	64.7T	085	S	B		5156670	A	
(IOPH2.SW15)									
5156675	29B35	10.0	010	T	T		5156675	A	
	20C39	1.0	020	L	.		2562074	A	
	19C42	5.2	030	C	C		5156675	A	
	19D42	3.8	040	C	C		5156675	A	
	22D15	8.7	050	L	.		2844352	C	
	28E21	3.7	060	L	.		2844552	A	
	23E06	9.3	070	L	.		5156625	A	
	07E27	5.0	080	L	.		7901604	A	
	05D43	14.6	090	L	.		2400202	A	
	13F46	61.3T	095	S	B		5156675	A	
NIOPH3									
5156700	25F33	.0T	005	S	FF		5156700	A	I
IOPH3									
5156701	06B25	9.7	010	T	T		5156701	A	
	15A25	12.9	020	L	.		6845888	A	
	23C06	5.2	030	C	C		5156701	A	
	23D06	8.4	040	C	C		5156701	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	29E07	14.4	050	L	.		7890446	A	
	14F29	.8	060	L	.		5156750	A	
	14F20	6.5	070	L	.		5156760	A	
	25F34	57.9T	075	S	NFF		5156701	A	
5156702-1	25F39	.0T	005	S	+		5156702	A	I
(S/IOPH3)									
5156730	23E36	6.4	010	S	I		5156730	A	
	25F38	8.2	020	L	.		5156707	A	
	19E38	14.6T	025	T	T		5156730	A	
(IOPH3.SW8)									
5156740	06B21	4.6	010	T	T		5156740	A	
	15B24	5.6	020	L	.		2405404	A	
	16C21	5.2	030	C	C		5156740	A	
	16D21	8.0	040	C	C		5156740	A	
	18E46	5.7	050	L	.		2405422	A	
	14F26	29.1T	055	S	B		5156740	A	
(IOPH3.SW9)									
5156745	14F25	5.6	010	S	B		5156745	A	
	14E22	7.7	020	L	.		7900380	A	
	05D47	5.7	030	L	.		2400204	A	
	03E36	25.0	040	C	C		5156745	A	
	32M36	20.1	050	C	C		5156745	A	
	06L09	10.2	060	L	.		1100352	A	
	11M44	74.3T	065	T	T		5156745	A	
(IOPH3.SW10)									
5156750	06E40	8.8	010	T	T		5156750	A	
	02D17	5.8	020	L	.		2405544	A	
	05E06	5.8	030	L	.		7900036	A	
	14E24	6.6	040	L	.		7900382	A	
	09D37	12.8	050	L	.		2405498	A	
	28E11	7.6	060	L	.		2844052	A	
	28F43	8.2	070	L	.		1010345	B	
	14F27	55.6T	075	S	B		5156750	A	
(IOPH3.SW11)									
5156755	20A47	11.0	010	T	T		5156755	A	
	28C02	7.4	020	L	.		6196406	A	
	13C01	7.0	030	L	.		7430406	A	
	03C24	5.2	040	C	C		5156755	A	
	03D24	2.3	050	C	C		5156755	A	
	05D06	10.5	060	L	.		6977000	A	
	04F03	2.4	070	L	.		2405596	A	
	05E47	3.5	080	L	.		7900030	A	
	07E10	10.1	090	L	.		6832432	A	
	14F28	59.4T	095	S	B		5156755	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
(10PH3.SW12)									
5156760	06B27	7.7	010	T	T		5156760	A	
	13C13	.2	020	L	.		7430404	A	
	13C12	2.4	030	L	.		7430304	A	
	16C23	5.2	040	C	C		5156760	A	
	16D23	7.7	050	C	C		5156760	A	
	21E23	8.9	060	L	.		2400212	A	
	05E12	10.2	070	L	.		7900035	A	
	14F18	42.3T	075	S	B		5156760	A	
(10PH3.SW13)									
5156765	07E33	12.3	010	L	.		6942304	A	
	17D05	13.0	020	L	.		7901034	A	
	14F19	25.3T	035	S	B		5156765	A	
(10PH3.SW14)									
5156770	20A45	3.2	010	T	T		5156770	A	
	21B11	9.0	020	L	.		6196304	A	
	19C44	5.2	030	C	C		5156770	A	
	19D44	9.6	040	C	C		5156770	A	
	06D02	8.7	050	L	.		2405482	A	
	05E42	5.1	060	L	.		7900030	A	
	15E44	8.0	070	L	.		7890615	A	
	25E07	1.4	080	L	.		7890642	A	
	28E08	11.7	090	L	.		2844050	A	
	14F05	61.9T	095	S	B		5156770	A	
(10PH3.SW15)									
5156775	19E07	10.7	010	T	T		5156775	A	
	02D47	12.3	020	L	.		2405702	A	
	20D03	1.2	030	L	.		5151050	A	
	21D13	9.4	040	L	.		5156777	A	
	28E24	7.3	050	L	.		2844550	A	
	25F35	6.8	060	L	.		5156702	A	
	14F17	47.7T	065	S	B		5156775	A	
N(10PH3.SW15)									
5156777	21D15	7.8	010	S	I		5156777	A	
	23E38	1.9	020	L	.		5156430	A	
	19E37	9.7T	025	T	T		5156777	A	
IOPH10									
5156800	20A40	7.6	010	T	T		5156800	A	
	14B35	10.0	020	L	.		2405398	A	
	03C25	5.2	030	C	C		5156800	A	
	03D25	5.9	040	C	C		5156800	A	
	05E21	1.0	050	L	.		7900036	A	
	05E35	12.2	060	L	.		7900040	A	
	26E08	1.1	070	L	.		2844250	A	
	28E06	3.9	080	L	.		2844052	A	
	21E15	46.9T	085	S	I		5156800	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAG
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1	8	15	21	28	33	37	41	77	
NIOPH10									
5156820	20A39	5.2	010	T	T		5156820	A	
	15B05	3.2	020	L	.		7430202	A	
	15B44	7.4	030	L	.		7430300	A	
	23C20	5.2	040	C	C		5156820	A	
	23D20	3.7	050	C	C		5156820	A	
	17D30	6.1	060	L	.		7900472	A	
	21E13	2.0	070	L	.		5156800	A	
	21E36	.5	090	S	I		5156820	A	
	21E41	33.3T	095	S	I		5156822	A	
(IOPHO.SW14.DATAIN)									
5156860	21F12	1.6	010	S	B		5156860	A	
	24F10	1.6T	015	L	.		6038052	A	
IOPOP									
5156870	32F11	12.0	010	S	I		5156870	B	
	29D12	5.1	020	L	.		3277012	B	
	20D04	9.4	022	L	.		5156890	C	
	11E03	4.2	025	L	.		5158130	B	
	03E02	25.0	030	C	C		5156870	B	
	32M02	7.7	040	C	C		5156870	B	
	22L36	5.7	050	L	.		1000314	B	
	21M36	.5	060	L	.		1120314	B	
	20M36	2.4	070	L	.		1100314	B	
	22M21	72.0T	080	T	T		5156870	B	
NIOPOP									
5156880	09F41	13.4	010	S	-NS		5156880	B	
	32F12	13.4T	015	L	.		5156870	B	
N(IOPOP.IOPADD)									
5156890	20D13	.8	010	S	I		5156890	C	
	19D09	5.2	020	C	C		5156890	C	
	19C09	8.2	030	C	C		5156890	C	
	24B03	3.8	040	L	.		6038036	C	
	20A50	18.0T	050	T	T		5156890	C	
IOPXFNC									
5156898	32D12	24.5	010	S	B		5156898	F	
	06F29	1.7	020	L	.		3277100	F	
	06F08	7.2	030	L	.		2183000	G	
	11E19	.1	040	L	.		5030500	G	
	11E21	.6	050	L	.		7689150	G	
	11E26	.1	060	L	.		8019100	G	
	11E24	34.2T	070	L	.		8031100	G	
IOR									
5156900	19E36	4.1	010	T	T		5156900	A	
	21F08	.2	020	L	.		3811150	A	
	21F09	8.2	030	L	.		3811160	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	29E23	4.0	040	L	.		7890344	A	
	23E09	6.8	050	L	.		5156425	A	
	21D01	14.2	060	L	.		5156910	A	
	03E01	25.0	070	C	C		5156900	A	
	32M01	13.9	080	C	C		5156900	A	
	10L34	76.4T	085	S	-BCR		5156900	A	
NIOR									
5156910	21D17	3.4	010	S	I		5156910	A	
	24D43	7.7	020	L	.		3811170	A	
	17E29	1.0	030	L	.		3060258	A	
	19E29	12.1T	035	T	T		5156910	A	
IORB									
5156950	11L34	9.0	010	S	B		5156950	A	
	14K04	9.0T	015	L	.		1000350	A	
IOSC									
5158100	20A37	3.7	010	T	T		5158100	A	
	15A21	14.4	020	L	.		6821448	A	
	23C22	5.2	030	C	C		5158100	A	
	23D22	2.1	040	C	C		5158100	A	
	25D35	.1	060	L	.		5152060	A	
	25D37	3.5	070	L	.		5152062	A	
	28D06	8.0	075	L	.		5153440	C	
	26E30	1.1	080	L	.		5152064	A	
	26E43	2.3	085	L	.		5152080	L	
	23E50	12.8	090	L	.		5159830	A	
	06F38	8.7	100	L	.		2352900	A	
	22F28	61.9T	105	S	FF		5158100	A	
NIO SC									
5158101	21A28	8.9	010	L	.		2841065	A	
	31B10	1.7	020	L	.		5138110	A	
	31B31	7.7	030	L	.		5121100	A	
	26C31	11.8	040	L	.		6902170	A	
	06C07	3.2	050	L	.		3202706	A	
	03C26	5.2	060	C	C		5158101	A	
	03D26	9.7	070	C	C		5158101	A	
	13E17	6.5	080	L	.		6942316	A	
	18F02	7.4	140	L	.		5152042	A	
	31F14	5.2	150	L	.		5150554	A	
	22F27	67.3T	155	S	NFF		5158101	A	
5158107-1	22F50	1.1	010	S	+		5158107	A	
	23F42	1.6	020	S	+		5158107	A	
	23F20	2.7T	025	S	+		5158109	A	
(S/IOSC)									
5158130	11E09	13.4	010	S	B		5158130	B	
	22F45	13.4T	015	L	.		5158102	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
IOTRIN 5158800	19E34	6.8	010	T	T		5158800	A	
	21F42	8.0	020	L	.		8145100	A	
	31F02	6.1	030	L	.		5158850	A	
	28E09	15.9	040	L	.		2844050	A	
	02E44	14.5	050	C	C		5158800	A	
	31P44	7.9	060	C	C		5158800	A	
	29N22	5.2	070	C	C		5158800	A	
	29M22	11.9	080	C	C		5158800	A	
	27K15	76.3T	090	S	B		5158800	A	
NIOTRIN 5158850	15E37	10.8	010	L	.		7890615	A	
	31F05	16.3	020	S	I		5158850	A	
	19D07	5.2	030	C	C		5158850	A	
	19C07	6.4	040	C	C		5158850	A	
	21B05	5.3	050	L	.		6196304	A	
	29B23	44.0T	055	T	T		5158850	A	
NIOWD 5159500	25F02	.0T	005	S	FF		5159500	A	I
IOWD 5159501	25F21	9.3	010	S	NFF		5159501	A	
	20E02	9.3T	015	L	.		7563506	A	
5159502-1	25F18	.0T	005	S	+		5159502	A	I
(S/IOWD) 5159530	27F02	2.3	010	S	B		5159530	A	
	25F23	2.3T	015	L	.		5159507	A	
IPH10 5159800	21E37	8.9	010	L	.		5156820	A	
	29F33	10.2	020	S	FF		5159800	A	
	31D46	5.2	030	C	C		5159800	A	
	31C46	11.3	040	C	C		5159800	A	
	25B03	9.0	050	L	.		2842062	A	
	10B20	44.6T	055	L	.		6196328	A	
NIPH10 5159801	26E22	7.0	010	L	.		6845680	A	
	19F03	.3	020	L	.		5159850	A	
	19F07	1.5	030	L	.		5125330	A	
	19F27	5.4	040	L	.		5125350	A	
	29F34	14.2T	045	S	NFF		5159801	A	
5159802-1	29F39	.0T	005	S	+		5159802	A	I
(R/IPH10) 5159820	28D46	10.4	010	S	B		5159820	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	29F38	10.4T	015	L	.	.	5159807	A	
(R/IPH10/1)									
5159825	06C34	13.4	010	S	I	.	5159825	A	
	31C45	5.2	020	C	C	.	5159825	A	
	31D45	2.5	030	C	C	.	5159825	A	
	28D31	2.2	040	L	.	.	5159820	A	
	26D47	23.3T	045	T	T	.	5159825	A	
(S/IPH10)									
5159830	23E37	8.1	010	S	B	.	5159830	A	
	29F35	11.3	020	L	.	.	5159802	A	
	15E47	19.4T	025	T	T	.	5159830	A	
N(NIPH10.FAMDS)									
5159850	19F02	2.8	010	S	I	.	5159850	A	
	19F40	5.6	020	L	.	.	5125140	A	
	19E39	8.4T	025	T	T	.	5159850	A	
IR									
5173000	28F27	12.7	005	S	I	.	5173001	B	
	05F40	3.5	010	S	-BCR	.	5173000	A	
	03F06	25.0	020	C	C	.	5173000	A	
	32S06	5.9	030	C	C	.	5173000	A	
	31R04	6.3	035	L	.	.	1122682	A	
	20R19	53.4T	040	T	T	.	5173000	B	
NISIN1									
5173005	14T02	13.6	005	L	.	.	7400210	W	
	25R34	1.6	010	S	B	.	5173005	A	
	26R47	15.2T	015	L	.	.	5173016	A	
NISIN3									
5173015	26R34	1.6	010	S	B	.	5173015	A	
	27R47	1.6T	015	L	.	.	5173025	A	
NISIN5									
5173025	27R34	1.6	010	S	B	.	5173025	A	
	28R47	1.6T	015	L	.	.	5173035	A	
NISIN7									
5173035	28R34	.0T	005	S	B	.	5173035	A	I
NISIN9									
5173045	29R34	1.6	010	S	B	.	5173045	A	
	30R47	1.6T	015	L	.	.	5173055	A	
NISIN11									
5173055	30R34	.0T	005	S	B	.	5173055	A	I
NISIN13									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
5173065	31R34	1.6	010	S	B		5173065	A	
	32R47	1.6T	015	L	.		5173076	A	
NISIN15									
5173075	32R34	.0T	005	S	B		5173075	A	I
NISNIP0									
5173102	25R23	.0T	005	S	I		5173102	A	I
NISNIP1									
5173105	25R44	3.7	010	S	B		5173105	A	
	26R05	3.7T	015	L	.		1022662	A	
ISNIP2									
5173108	20S36	3.2	010	S	I		5173108	A	
	25S26	1.2	020	L	.		7840080	A	
	27S27	4.4T	025	T	T		5173108	A	
NISNIP2									
5173110	26R23	9.3	010	S	I		5173110	A	
	20S37	9.3T	015	L	.		5173108	A	
NISNIP3									
5173115	26R44	3.7	010	S	B		5173115	A	
	27R05	3.7T	015	L	.		1042662	A	
ISNIP4									
5173118	20S41	3.8	010	S	I		5173118	A	
	25S20	1.8	020	L	.		7840100	A	
	27S13	5.6T	025	T	T		5173118	A	
NISNIP4									
5173120	27R23	10.1	010	S	I		5173120	A	
	20S38	10.1T	015	L	.		5173118	A	
NISNIP5									
5173125	27R44	3.7	010	S	B		5173125	A	
	28R05	3.7T	015	L	.		1062662	A	
NISNIP6									
5173130	28R23	.0T	005	S	I		5173130	A	I
NISNIP7									
5173135	28N08	.2	010	L	.		7400200	A	
	28N09	15.4	020	L	.		2990800	A	
	24Q44	5.2	030	C	C		5173135	A	
	24R44	2.0	040	C	C		5173135	A	
	28R44	22.8T	045	S	B		5173135	A	
NISNIP8									
5173140	29R23	.0T	005	S	I		5173140	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NISNIP9 5173145	29R44 30R05	3.7 3.7T	010 015	S L	B .		5173145 1102662	A A	
NISNIP10 5173150	30R23	.0T	005	S	I		5173150	A	I
NISNIP11 5173155	30R44 30S31 30S44	4.4 1.2 5.6T	010 020 025	S L L	B . .		5173155 7400100 2990500	A A A	
NISNIP12 5173160	31R23	.0T	005	S	I		5173160	A	I
NISNIP13 5173165	31R44 32R05 30S21 30S43	3.7 7.4 1.6 12.7T	010 015 020 025	S L L L	B . . .		5173165 1142662 7400150 2990700	A A J J	
NISNIP14 5173170	32R23	.0T	005	S	I		5173170	A	I
NISNIP15 5173175	32R44	.0T	010	S	B		5173175	A	I
IX 5188000	28A02 23C17 23D17 07E07	13.8 5.2 12.5 31.5T	010 020 030 035	S C C L	FF C C .		5188000 5188000 5188000 7900391	A A A A	
NIX 5188001	28A21 23C18 23D18 08E20	13.0 5.2 12.9 31.1T	010 020 030 035	S C C L	NFF C C .		5188001 5188001 5188001 7901522	A A A A	
5188002-1	28A18	.0T	005	S	+		5188002	A	I
(R/IX) 5188020	18A35 28A23 20A38	5.9 5.4 11.3T	010 020 025	S L T	I . T		5188020 5188007 5188020	A A A	
IXAL 5188100	32A14 31B43 31C03 31D03	7.6 2.2 5.2 11.6	010 020 030 040	S L C C	FF . C C		5188100 5188200 5188100 5188100	A A A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
5345000	10A28	3.9	005	L	.		5529060	AB	
	15A45	7.0	010	S	-NS		5345000	A	
	24B09	10.9T	015	L	.		6821330	A	
KAS/2									
5345020	10A29	5.6	005	L	.		5529060	AB	
	11B27	7.5	010	S	I		5345020	A	
	24B10	5.5	020	L	.		6821330	A	
	20A31	18.6T	025	T	T		5345020	A	
NKAS/2									
5345100	15A46	5.4	010	S	-NS		5345100	A	
	11B22	5.4T	015	L	.		5345020	A	
NKAS/B									
5345200	14A37	.9	010	L	.		5345210	A	
	15A44	.9T	015	S	-NS		5345200	A	
NKAS/B-1									
5345210	20A25	1.6	005	T	T		5345210	C	
	19A36	.8	010	L	.		7343204	A	
	19A29	5.9	020	L	.		7343202	A	
	18B31	4.2	030	L	.		5011202	A	
	10B30	9.4	040	L	.		6927014	A	
	16A14	1.6	050	L	.		6927110	A	
	17A27	2.4	060	L	.		3203100	A	
	14A36	12.8	070	S	B		5345210	A	
	06C17	38.7T	080	L	.		7343350	A	
KC									
5360500	04R03	12.3	010	S	-NS		5360500	A	
	17S12	12.3T	015	L	.		7561004	A	
NKC/B									
5360600	04R04	18.4	010	S	-NS		5360600	A	
	15T36	18.4T	015	L	.		7561008	A	
KCLEAR/B									
5360800	13A43	9.3	010	S	-NS		5360800	A	
	11C10	5.2	020	C	C		5360800	A	
	11D10	11.1	030	C	C		5360800	A	
	20E28	25.6T	035	L	.		3905408	A	
KCLRPSW1									
5362000	13A17	7.1	010	S	-NS		5362000	A	
	10B18	7.1T	015	L	.		6927014	A	
KCLRPSW2									
5362100	13A12	1.8	010	S	-NS		5362100	A	
	16A08	1.8T	015	L	.		6927110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NKCLRPSW/B 5362130	15A40	16.0	010	S	-NS		5362130	A	
	03C34	5.2	020	C	C		5362130	A	
	03D34	3.0	030	C	C		5362130	A	
	08D31	24.2T	035	L	.		7901530	A	
KCONT 5365100	18P46	.0T	005	S	-NS		5365100	A	I
KCPURESET 5366000	15A42	.6	010	S	-NS		5366000	A	
	14A39	.6T	015	L	.		5366010	A	
KCPURESET-1 5366010	14A35	14.1	010	S	B		5366010	A	
	05C23	.6	020	L	.		5366020	A	
	06C26	16.5	030	L	.		7343104	A	
	29B33	31.2T	035	T	T		5366010	A	
NKCPURESET-1 5366020	05C25	1.7	010	S	I		5366020	A	
	06C09	15.1	020	L	.		7328000	A	
	29B31	16.8T	025	T	T		5366020	A	
NKCPURESET/B 5366100	15A04	3.0	010	S	-NS		5366100	A	
	14A38	3.0T	015	L	.		5366120	A	
KCPURESET/B-1 5366110	05C26	16.5	010	S	I		5366110	A	
	17A26	1.5	020	L	.		3203100	A	
	18A40	1.2	030	L	.		7343200	A	
	19A30	12.0	040	L	.		7343202	A	
	06B34	31.2T	045	T	T		5366110	A	
NKCPURESET/B-1 5366120	14A41	14.0	010	S	B		5366120	A	
	05C24	5.6	020	L	.		5366110	A	
	16C22	5.2	030	C	C		5366120	A	
	16D22	10.4	040	C	C		5366120	A	
	23E44	2.7	050	L	.		7343230	A	
	22E14	37.9T	055	T	T		5366120	A	
KD 5370500	04R42	14.8	010	S	-NS		5370500	A	
	16T20	14.8T	015	L	.		3690105	A	
NKDI 5374390	25N01	.5	010	L	.		5374406	A	
	25N04	17.0	020	L	.		5374405	A	
	18Q44	17.5T	025	S	-NS		5374390	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
KDI-0									
5374400	14T26	.3	010	S	I		5374400	A	
	14T25	16.2	020	S	I		5374401	A	
	02R29	1.0	030	L	.		1164990	A	
	04R29	.9	040	L	.		1244990	A	
	06R26	6.8	050	T	T		5374400	A	
	19R22	5.2	060	C	C		5374400	A	
	19Q22	.7	070	C	C		5374400	A	
	18Q29	17.7	080	L	.		1246560	A	
	30N13	3.2	090	L	.		5374430	A	
	25N03	.9	100	L	.		5374410	A	
	25N12	52.9T	105	L	.		5374411	A	
NKDI-0									
5374405	25N02	.9	010	L	.		5374416	A	
	25N13	.3	020	L	.		5374415	A	
	25N17	.3	030	S	B		5374406	A	
	25N18	13.3	040	S	B		5374405	A	
	18Q13	.6	050	L	.		1286560	A	
	18Q21	.1	060	L	.		1316560	A	
	18Q23	.5	070	L	.		1246560	A	
	19Q23	5.2	080	C	C		5374405	A	
	19R23	7.2	090	C	C		5374405	A	
	06R13	1.0	100	T	T		5374405	A	
	04R13	1.0	110	L	.		1244990	A	
	02R13	.6	120	L	.		1184990	A	
	02R21	.1	130	L	.		1174990	A	
	02R23	16.5	140	L	.		1164990	A	
	14T23	.3	150	L	.		5374401	A	
	14T24	47.9T	155	L	.		5374400	A	
KDI-1									
5374410	25N11	.6	010	S	B		5374411	A	
	25N19	9.5	020	S	B		5374410	A	
	18P29	9.0	030	L	.		1166560	A	
	24N19	5.2	040	C	C		5374410	A	
	24M19	4.2	050	C	C		5374410	A	
	17M29	5.2	060	L	.		1106560	A	
	17L29	7.7	070	L	.		1006560	A	
	22M30	41.4T	075	T	T		5374410	A	
NKDI-1									
5374415	25N05	.7	010	S	B		5374416	A	
	25N15	9.3	020	S	B		5374415	A	
	18P23	.1	030	L	.		1166560	A	
	18P21	.6	040	L	.		1236560	A	
	18P13	4.0	050	L	.		1206560	A	
	18N29	5.2	060	C	C		5374415	A	
	18M29	.9	070	C	C		5374415	A	
	17M23	.1	080	L	.		1106560	A	
	17M21	.6	090	L	.		1156560	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-5394000
TYPE-PINLIST

398
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
5394000	13A08	1.5	010	S	-NS		5394000	A	
	14A22	1.5T	015	L	.		5394004	A	
KFILL/B-1									
5394004	14A27	2.6	010	S	B		5394004	A	
	18A19	1.2	020	L	.		2841082	A	
	18A03	21.7	030	L	.		2403350	A	
	02C42	7.1	040	L	.		7892004	A	
	16C40	5.2	050	C	C		5394004	A	
	16D40	8.2	060	C	C		5394004	A	
	26E11	.1	070	L	.		6821420	A	
	26E09	2.3	080	L	.		6821615	A	
	22E13	48.4T	085	T	T		5394004	A	
KHOP									
5415300	02R46	11.8	010	S	-NS		5415300	A	
	16S40	11.8T	015	L	.		5415350	A	
KHOP-1									
5415350	16S34	.6	010	S	B		5415350	A	
	15S39	.6T	015	L	*		5053110	A	
KHOP-2									
5415355	15S40	8.5	010	S	-BCR		5415355	A	
	30S26	8.0	015	L	.		4392652	J	
	24R27	5.2	020	C	C		5415355	A	
	24Q27	4.1	030	C	C		5415355	A	
	32Q22	31.2	040	C	C		5415355	A	
	01C22	11.7	050	C	C		5415355	A	
	11B02	7.8	060	L	.		5415400	A	
	07C10	5.2	070	C	C		5415355	A	
	07D10	11.2	080	C	C		5415355	A	
	08F11	9.9	090	L	.		3107040	A	
	26F23	102.8T	095	T	T		5415355	A	
KINCRE/B-1									
5415360	14A05	17.7	010	S	B		5415360	A	
	02C21	8.5	020	L	.		7892080	A	
	16C41	5.2	030	C	C		5415360	A	
	16D41	10.2	040	C	C		5415360	A	
	07E44	7.8	050	L	.		6942306	A	
	19E23	49.4T	055	T	T		5415360	A	
NKHOP-2									
5415400	11B05	4.9	010	S	I		5415400	A	
	17B31	5.6	020	L	.		6832230	A	
	06B29	10.5T	025	T	T		5415400	A	
KINTRP									
5424800	02R42	16.9	010	S	-NS		5424800	A	
	25S43	16.9T	015	L	.		7840130	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
KINCRE/B 5424900	14A02 13A19	1.5 1.5T	010 015	L S	. -NS		5415360 5424900	A A	
KINLVSEL 5425100	02R47 16S23	10.4 10.4T	010 015	S L	-NS .		5425100 6692500	A A	
NKINTRP/B 5425300	02R03 17T38	20.5 20.5T	010 015	S L	-NS .		5425300 3271004	A A	
KIORESET 5425400	17L46 31K01 02A01 06C18	15.9 14.5 13.6 44.0T	010 020 030 035	S C C L	-NS C C .		5425400 5425400 5425400 7343350	A A A A	
KPSW1/B-1 5426000	14A28 29C40 02C39 08C38 16C42 16D42 12E47 19E43	18.9 13.4 2.8 4.3 5.2 7.3 3.8 55.7T	010 020 030 040 050 060 070 075	S L L L C C L T	B . . . C C . T		5426000 6927012 7892024 2404486 5426000 5426000 7904500 5426000	A A A A A A A A	
KPSW2/B-1 5426010	14A18 29C09 08C44 02C40 20A46	17.4 13.4 3.3 19.0 53.1T	010 020 030 040 045	S L L L T	B . . . T		5426010 6927112 2404496 7892028 5426010	A A A A A	
KRUN 5528000	20A44 19A08 10A27 11B40 02C03 04C03 29C05 32B42 28B15	3.2 5.6 6.6 6.7 1.0 12.6 3.7 3.9 43.3T	010 015 030 060 070 080 090 095 105	T L L L L L L L S	T B		5528000 3567000 5529060 5529050 7892160 2371500 8165918 7421400 5528000	A D AB A A A A D A	
NKRUN 5529050	11B34 21B23 18B17 16A38	6.1 1.9 4.8 2.3	010 020 030 040	S L L L	I . . .		5529050 5138930 5011254 8165912	A A A A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-5529050
TYPE-PINLIST

400
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	20A42	15.1T	045	T	T		5529050	A	
KRUN/1 5529060	10A36	10.0	010	S	B		5529060	AB	
	24B06	5.3	020	L	.		6821330	AB	
	31B30	7.1	030	L	.		5121100	AB	
	29C42	12.6	040	L	.		5138125	AB	
	09D11	6.8	050	L	.	11	5138050	AB	
	06E08	41.8T	055	T	T		5529060	AB	
KRUN/B 5529100	13A21	12.1	010	S	-NS		5529100	A	
	28B13	12.1T	015	L	.		5528000	A	
KSC-1 5533010	16T29	7.1	010	L	.		3690105	A	
	17S11	1.6	020	L	.		7561004	A	
	20S09	4.8	030	L	.		5541650	A	
	25S42	8.0	040	L	.		3107050	A	
	24R12	5.2	050	C	C		5533010	A	
	24Q12	11.6	060	C	C		5533010	A	
	01Q14	15.8	070	S	I		5533010	Z	
	32Q10	31.2	080	C	C		5533010	A	
	01C10	16.2	090	C	C		5533010	A	
	16A37	4.7	100	L	.		8165910	A	
	20A01	106.2T	105	T	T		5533010	A	
NKSC-1 5533050	18Q45	10.3	010	S	-NS		5533050	Z	
	01Q21	10.3T	015	L	.		5533010	Z	
KPSW1/B 5538100	13A33	1.4	010	S	-NS		5538100	A	
	14A21	1.4T	015	L	.		5426000	A	
KPSW2/B 5538200	13A28	2.3	010	S	-NS		5538200	A	
	14A04	2.3T	015	L	.		5426010	A	
KSS1 5539100	15A01	10.9	010	S	-NS		5539100	A	
	16C02	5.2	020	C	C		5539100	A	
	16D02	12.0	030	C	C		5539100	A	
	28E12	28.1T	035	L	.		3060162	C	
KSS2 5539200	15A02	11.2	010	S	-NS		5539200	A	
	16C03	5.2	020	C	C		5539200	A	
	16D03	.8	030	C	C		5539200	A	
	18D02	17.2T	035	L	.		3060255	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
KSS3									
5539300	15A03	10.9	010	S	-NS		5539300	A	
	16C04	5.2	020	C	C		5539300	A	
	16D04	4.3	030	C	C		5539300	A	
	18D47	20.4T	035	L	.		3060350	A	
KSS4									
5539400	15A07	15.3	010	S	-NS		5539400	A	
	11C45	5.2	020	C	C		5539400	A	
	11D45	5.3	030	C	C		5539400	A	
	18D21	25.8T	035	L	.		3060452	A	
KSTEP/B									
5539500	13A24	14.3	010	S	-NS		5539500	A	
	02C02	14.3T	015	L	.		7892170	A	
KSTORK/B									
5539600	13A40	3.5	010	S	-NS		5539600	A	
	14A03	3.5T	015	L	.		5539610	A	
KSTORK/B-1									
5539610	14A19	15.7	010	S	B		5539610	A	
	02C09	2.1	020	L	.		7892140	A	
	02C37	19.2	030	L	.		7892054	A	
	20A41	37.0T	035	T	T		5539610	A	
KSTORQ/B									
5539700	13A36	15.3	010	S	-NS		5539700	A	
	02C31	15.3T	015	L	.		7892048	A	
KSXA									
5541000	17L44	7.9	010	S	-NS		5541000	A	
	02L50	7.9T	015	L	.		5541010	A	
NKSXA									
5541010	02L40	17.7	010	S	I		5541010	A	
	27K40	2.9	020	L	.		3690150	A	
	28K11	20.6T	025	T	T		5541010	A	
KSXB									
5541200	15A08	12.0	010	S	-NS		5541200	A	
	11C02	5.2	020	C	C		5541200	A	
	11D02	9.1	030	C	C		5541200	A	
	08E34	26.3T	035	L	.		7900454	A	
KSXC									
5541600	15A09	14.0	010	S	-NS		5541600	A	
	07C03	5.2	020	C	C		5541600	A	
	07D03	11.9	030	C	C		5541600	A	
	15E39	31.1T	035	L	.		7901002	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
NKSC									
5541650	20S10	8.7	010	S	I		5541650	A	
	15T27	.1	020	L	.		3107015	A	
	15T29	1.4	030	L	.		7561008	A	
	16T17	10.0	040	L	.		4392630	A	
	24S07	1.6	050	L	.		7561015	A	
	27S10	21.8T	055	T	T		5541650	A	
KSXD									
5542000	17L45	13.4	010	S	-NS		5542000	A	
	02M50	13.4T	015	L	.		5542010	A	
NKSXD									
5542010	02M40	23.3	010	S	I		5542010	A	
	27K39	2.4	020	L	.		3690160	A	
	28K10	25.7T	025	T	T		5542010	A	
KSXS									
5542100	07R12	4.7	010	L	.		5542110	A	
	02R45	4.7T	015	S	-NS		5542100	A	
NKSXS									
5542110	07R11	9.7	010	S	I		5542110	A	
	11S46	6.0	020	T	T		5542110	A	
	16T21	15.7T	025	L	.		3690105	A	
KSYSR/B									
5543100	13A04	2.6	010	S	-NS		5543100	A	
	14A31	2.6T	015	L	.		5543110	A	
KSYSR/B-1									
5543110	14A47	3.1	010	S	B		5543110	A	
	17A25	1.7	020	L	.		3203100	A	
	18A41	1.2	030	L	.		7343200	A	
	19A28	.6	040	L	.		7343204	A	
	20A30	6.6T	045	T	T		5543110	C	
KSYSR									
5543190	22B23	12.1	010	T	T		5543190	A	
	06C04	1.9	030	L	.		7987100	A	
	05C27	14.0T	035	S	I		5543190	A	
NKSYSR									
5543200	13A06	15.7	010	S	-NS		5543200	A	
	05C22	15.7T	015	L	.		5543190	A	
KUA21									
5560210	18Q40	13.9	010	S	-NS		5560210	A	
	06P04	13.9T	015	L	.		1210150	A	
KUA22									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
5560220	18Q43	14.2	010	S	-NS		5560220	Z	
	06P03	14.2T	015	L	.		1220150	A	
KUA23									
5560230	17M40	3.6	010	S	-NS		5560230	A	
	10M42	5.2	020	C	C		5560230	A	
	10N42	4.2	030	C	C		5560230	A	
	06P02	13.0T	035	L	.		1230150	A	
KUA24									
5560240	18P40	7.1	010	S	-NS		5560240	A	
	21N39	7.1T	015	L	.		1240150	A	
KUA25									
5560250	18P43	9.6	010	S	-NS		5560250	A	
	21N05	9.6T	015	L	.		1250150	A	
KUA26									
5560260	18P44	10.6	010	S	-NS		5560260	A	
	26N29	10.6T	015	L	.		1260150	A	
KUA27									
5560270	18P45	10.6	010	S	-NS		5560270	A	
	26N27	10.6T	015	L	.		1270150	A	
KUA28									
5560280	17M43	6.1	010	S	-NS		5560280	A	
	29M41	5.2	020	C	C		5560280	A	
	29N41	4.8	030	C	C		5560280	A	
	26P12	16.1T	035	L	.		1280150	A	
KUA29									
5560290	17L40	10.0	010	S	-NS		5560290	A	
	29M24	5.2	020	C	C		5560290	A	
	29N24	1.3	030	C	C		5560290	A	
	26N25	16.5T	035	L	.		1290150	A	
KUA30									
5560300	17M45	6.3	010	S	-NS		5560300	A	
	05M46	5.2	020	C	C		5560300	A	
	05N46	2.5	030	C	C		5560300	A	
	06P01	14.0T	035	L	.		1300150	A	
KUA31									
5560310	17L43	9.8	010	S	-NS		5560310	A	
	29M26	5.2	020	C	C		5560310	A	
	29N26	1.5	030	C	C		5560310	A	
	26N26	16.5T	035	L	.		1310150	A	
KWDTR									
5583000	16A39	9.9	010	L	.		8165914	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02A02	14.5	020	C	C		5583000	A	
	31K02	20.8	030	C	C		5583000	A	
	17M46	45.2T	035	S	-NS		5583000	A	
LCK0									
5754000	06N23	7.9	010	S	B		5754000	A	
	21N17	1.4	020	L	.		2055050	A	
	23N24	2.0	030	L	.		2055052	A	
	19N24	11.3T	035	T	T		5754000	A	
LCK1									
5754010	06N30	8.3	010	S	B		5754010	A	
	21N23	1.0	020	L	.		2055051	A	
	23N23	2.0	030	L	.		2055052	A	
	19N23	11.3T	035	T	T		5754010	A	
LEVACT									
5779000	04F05	1.1	010	S	I		5779000	A	
	03F10	25.0	020	C	C		5779000	A	
	32S10	5.5	030	C	C		5779000	A	
	25S41	8.3	040	L	.		2180510	A	
	23R13	1.8	050	L	.		2180520	A	
	20R10	41.7T	055	T	T		5779000	A	
NLEVACT									
5779100	06E02	6.2	010	T	T		5779100	A	
	04F02	.3	020	L	.		5779000	A	
	04F01	4.4	030	L	.		5779300	A	
	08F33	.5	040	S	I		5779102	A	
	08F36	11.4T	045	S	I		5779100	A	
LEVARM									
5779300	08F12	2.1	010	S	I		5779302	A	
	04F17	.9	020	S	I		5779300	A	
	03F11	25.0	030	C	C		5779300	A	
	32S11	7.3	040	C	C		5779300	A	
	23R43	6.3	050	L	.		1281400	A	
	11R39	.2	060	L	.		2344800	A	
	11R38	.3	070	L	.		2344100	A	
	11R37	3.0	080	L	.		2344700	A	
	06R40	45.1T	085	T	T		5779300	A	
LINREQ									
5814840	22R34	7.3	010	S	-BCR		5814840	A	
	24S47	5.0	012	S	B		5814845	M	
	28S07	12.3T	015	L	.		1092590	A	
LOCKW									
5883100	22F04	18.8	010	S	FF		5883100	A	
	01D31	15.5	020	C	C		5883100	A	
	32N31	14.0	030	C	C		5883100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04N31	.5	040	L	.		5830030	A	
	03N31	.5	050	L	.		5830020	A	
	02N31	.5	060	L	.		5830010	A	
	01N31	5.2	070	L	.		5830000	A	
	09N15	55.0T	075	T	T		5883100	A	
NLOCKW 5883101	22F05	.0T	005	S	NFF		5883101	A	I
5883102-1	22F03	2.6	010	S	+		5883102	A	
	23F31	2.6T	015	S	+		5883104	A	
LRXD 5917100	08Q06	12.2	010	S	FF		5917100	A	
	15N30	.5	020	L	.		1303702	A	
	16N30	11.5	030	L	.		1293702	A	
	26P45	24.2T	035	L	.		1313702	A	
LRXR 5917200	08Q07	2.8	010	S	-CON		5917204	A	
	09Q40	5.2	020	S	I		5917202	A	
	09P40	9.0	030	S	I		5917200	A	
	15N33	.5	040	L	.		1303700	A	
	16N33	8.9	050	L	.		1293700	A	
	26P15	1.2	060	L	.		1283700	A	
	26P31	.7	070	L	.		1313700	A	
	26P41	28.3T	075	L	.		1313702	A	
LRXZ 5919900	32D35	16.4	010	S	B		5919900	A	
	01D44	15.5	020	C	C		5919900	A	
	32N44	22.4	030	C	C		5919900	A	
	09Q50	7.0	040	L	.		5917202	A	
	17Q13	61.3T	045	T	T		5919900	A	
MASTER 6025100	18S21	.0T	005	S	NFF		6025100	A	I
NMASTER 6025101	16B09	.5	010	T	T		6025101	A	
	17B09	11.6	020	L	.		4324320	A	
	01A31	15.5	030	C	C		6025101	A	
	32K31	17.7	040	C	C		6025101	A	
	17M27	8.7	050	L	.		6025140	A	
	03M46	1.2	060	L	.		1080118	A	
	01M41	21.0	070	C	C		6025101	A	
	01R41	10.7	080	C	C		6025101	A	
	18S02	86.9T	085	S	FF		6025101	A	
6025102-1	18S18	.0T	005	S	+		6025102	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NMB0CRO									
6030100	16L05	.8	010	T	T		6030100	A	
	15L01	.3	020	L	.		7438100	A	
	15L02	.2	030	L	.		7430515	A	
	15L03	.3	040	L	.		7430510	A	
	15L04	12.4	050	L	.		7408000	A	
	24M40	5.2	060	C	C		6030100	A	
	24N40	2.3	070	C	C		6030100	A	
	28N36	21.5T	075	S	I		6030100	A	
NMB1CRO									
6030110	16L21	.5	010	T	T		6030110	A	
	15L21	.3	020	L	.		7438110	A	
	15L22	.2	030	L	.		7430530	A	
	15L23	.3	040	L	.		7430535	A	
	15L24	11.1	050	L	.		7408100	A	
	24M41	5.2	060	C	C		6030110	A	
	24N41	2.0	070	C	C		6030110	A	
	28N41	19.6T	075	S	I		6030110	A	
NMB2CRO									
6030120	28N35	14.2	010	S	I		6030120	A	
	19Q25	5.2	020	C	C		6030120	A	
	19R25	8.6	030	C	C		6030120	A	
	14S37	.3	040	L	.		7430550	A	
	14S38	.2	050	L	.		7430555	A	
	14S39	.3	060	L	.		7438120	A	
	14S40	1.3	070	L	.		7408200	A	
	11S41	30.1T	075	T	T		6030120	A	
NMB3CRO									
6030130	28N34	14.4	010	S	I		6030130	A	
	19Q26	5.2	020	C	C		6030130	A	
	19R26	8.0	030	C	C		6030130	A	
	14S30	.2	040	L	.		7438130	A	
	14S31	1.1	050	L	.		7408202	A	
	14S42	.2	060	L	.		7430570	A	
	14S43	2.1	070	L	.		7430575	A	
	11S36	31.2T	075	T	T		6030130	A	
MBXS									
6038000	24F33	.0T	010	S	FF		6038000	A	I
NMBXS									
6038001	24F34	9.4	010	S	NFF		6038001	A	
	17E23	13.7	015	L	.		2054910	U	
	03F43	25.0	020	C	C		6038001	A	
	32S43	19.9	030	C	C		6038001	A	
	03R41	1.6	040	L	.		3315160	A	
	06R44	69.6T	045	T	T		6038001	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
6038002-1	24F39	.0T	005	S	+		6038002	A	I
(S/MBXS)									
6038020	24C06	2.4	005	S	I		6038024	T	
	20C15	3.4	010	S	I		6038020	A	
	23C41	5.2	020	C	C		6038020	A	
	23D41	6.4	030	C	C		6038020	A	
	26E37	6.1	035	L	.		6038800	F	
	24F35	6.2	040	L	.		6038002	A	
	22E35	29.7T	045	T	T		6038020	A	
N(S/MBXS)									
6038030	32C12	9.1	010	S	I		6038030	A	
	24B14	.9	020	S	I		6038034	A	
	23B23	.1	030	S	I		6038044	A	
	23B25	10.6	040	S	I		6038038	A	
	14A13	13.5	046	L	.		8010159	E	
	20C13	.4	050	L	.		6038020	A	
	21C14	2.1	060	L	.		6196120	A	
	21C42	1.0	070	L	.		3846014	A	
	23C42	5.2	080	C	C		6038030	A	
	23D42	2.8	090	C	C		6038030	A	
	26D24	45.7T	105	T	T		6038030	A	
MBXS/0									
6038050	24F02	10.4	010	S	FF		6038050	A	
	03F01	25.0	020	C	C		6038050	A	
	32S01	6.4	030	C	C		6038050	A	
	23S27	7.3	040	L	.		6240102	U	
	24R02	5.2	050	C	C		6038050	A	
	24Q02	10.1	060	C	C		6038050	A	
	28N37	7.2	070	L	.		6030100	A	
	14N36	5.2	080	C	C		6038050	A	
	14M36	.6	090	C	C		6038050	A	
	13M33	1.1	100	L	.		1004150	A	
	13M20	1.2	110	L	.		1024150	A	
	11M27	79.7T	115	T	T		6038050	A	
NMBXS/0									
6038051	24F21	.0T	005	S	NFF		6038051	A	I
6038052-1	23F38	2.0	010	S	+		6038056	A	
	24F18	2.0T	015	S	+		6038052	A	
(S/MBXS/0)									
6038070	18F41	2.6	010	S	I		6038070	A	
	23F39	5.7	020	L	.		6038056	A	
	22E39	8.3T	025	T	T		6038070	A	
MBXS/1									
6038200	24F04	10.6	010	S	FF		6038200	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	03F02	25.0	020	C	C		6038200	A	
	32S02	6.2	030	C	C		6038200	A	
	23S29	7.7	040	L	.		6240112	U	
	24R03	5.2	050	C	C		6038200	A	
	24Q03	5.0	060	C	C		6038200	A	
	30P42	.3	070	L	.		1154150	A	
	30P41	6.6	080	L	.		1144150	A	
	28N38	7.9	090	L	.		6030110	A	
	14N50	5.2	100	C	C		6038200	A	
	14M50	.5	110	C	C		6038200	A	
	13M50	6.8	120	L	.		1104150	A	
	11L42	.3	130	L	.		1084150	A	
	11L41	4.6	140	L	.		1094150	A	
	11M33	91.9T	145	T	T		6038200	A	
NMBXS/1									
6038201	24F05	.0T	005	S	NFF		6038201	A	I
6038202-1	23F22	2.2	010	S	+		6038206	A	
	24F03	2.2T	015	S	+		6038204	A	
(S/MBXS/1)									
6038220	18F42	4.2	010	S	I		6038220	A	
	23F23	5.7	020	L	.		6038206	A	
	22E23	9.9T	025	T	T		6038220	A	
MBXS/2									
6038400	24F14	19.6	010	S	FF		6038400	A	
	01D46	15.5	020	C	C		6038400	A	
	32N46	2.4	030	C	C		6038400	A	
	28N39	6.5	040	L	.		6030120	A	
	24P29	.3	050	L	.		1164150	A	
	24P33	3.6	060	L	.		1184150	A	
	24Q08	5.2	070	C	C		6038400	A	
	24R08	6.7	080	C	C		6038400	A	
	23S25	3.6	090	L	.		6240122	U	
	19S03	63.4T	095	T	T		6038400	A	
NMBXS/2									
6038401	24F12	.0T	005	S	NFF		6038401	A	I
6038402-1	24F11	.0T	005	S	+		6038402	A	I
(S/MBXS/2)									
6038420	18F31	3.5	010	S	I		6038420	A	
	24F20	6.2	020	L	.		6038404	A	
	22E20	9.7T	025	T	T		6038420	A	
MBXS/3									
6038600	24F06	18.8	010	S	FF		6038600	A	
	01D47	15.5	020	C	C		6038600	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	32N47	2.6	030	C	C		6038600	A	
	28N40	2.2	040	L	.		6030130	A	
	25N29	9.5	050	L	.		1244150	A	
	24Q09	5.2	060	C	C		6038600	A	
	24R09	1.8	070	C	C		6038600	A	
	21R06	7.7	080	L	.		1284150	A	
	23S26	3.7	090	L	.		6240132	U	
	19S01	67.0T	095	T	T		6038600	A	
NMBXS/3									
6038601	24F07	.0T	005	S	NFF		6038601	A	I
(S/MBXS/3)									
6038620	18F30	4.1	010	S	I		6038620	A	
	24F19	1.0	020	L	.		6038604	A	
	26F19	5.1T	025	T	T		6038620	A	
(N(S/MBXS)+IOIN)									
6038800	26E36	8.6	010	S	I		6038800	F	
	18F28	5.5	020	L	.		6038072	F	
	16E38	14.1T	025	T	T		6038800	F	
MC0005Z									
6040100	07N13	.3	010	S	B		6040102	A	
	07N14	.5	020	S	B		6040100	A	
	08N14	10.5	030	L	.		6047900	A	
	20P04	6.2	040	L	.		5152500	A	
	20Q15	.8	050	L	.		6047910	A	
	20Q22	18.3T	055	L	.		6040600	A	
(MC=1)									
6040600	20Q35	14.7	010	S	B		6040600	A	
	25N08	16.1	015	L	.		2503000	A	
	32Q36	31.2	020	C	C		6040600	M	
	01C36	17.6	030	C	C		6040600	M	
	20B01	1.7	040	L	.		6196122	M	
	22B12	81.3T	050	T	T		6040600	M	
MCDC3									
6041030	07N34	1.1	010	S	B		6041032	A	
	08N41	4.0	020	S	I		6041030	A	
	11N04	5.1T	025	L	.		1004206	A	
MCDC7									
6041070	08N10	2.4	010	S	I		6041070	A	
	12N04	3.5	020	L	.		1044208	A	
	19N04	5.9T	025	T	T		6041070	A	
NMCDC7									
6041100	20D14	1.7	020	S	I		6041110	J	
	22D24	11.3	030	S	I		6041100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	01D11	15.5	040	C	C		6041100	A	
	32N11	14.3	050	C	C		6041100	A	
	08N38	2.4	060	L	.		6041030	A	
	08N09	.3	070	L	.		6041070	A	
	09N08	45.5T	075	T	T		6041100	A	
MCX									
6041200	08C45	13.2	010	S	I		6041200	A	
	02A50	14.5	020	C	C		6041200	A	
	31K50	18.9	030	C	C		6041200	A	
	10M22	5.2	040	C	C		6041200	A	
	10N22	1.6	050	C	C		6041200	A	
	12N29	.5	060	L	.		1044210	A	
	11N29	3.9	070	L	.		1004210	A	
	19N30	57.8T	075	T	T		6041200	A	
MCXNPL1									
6047500	11N15	.5	010	L	.		1004204	A	
	12N15	13.9	020	L	.		1044204	A	
	20Q07	14.4T	025	S	B		6047500	A	
MCXPL2									
6047600	11N34	.5	010	L	.		1004202	A	
	12N34	12.7	020	L	.		1044202	A	
	20Q09	13.2T	025	S	B		6047600	A	
MCXS									
6047700	11B47	9.7	010	S	I		6047700	A	
	02A47	14.5	020	C	C		6047700	A	
	31K47	19.1	030	C	C		6047700	A	
	10M18	5.2	040	C	C		6047700	A	
	10N18	1.0	050	C	C		6047700	A	
	12N18	.5	060	L	.		1044202	A	
	11N18	4.0	070	L	.		1004202	A	
	19N18	54.0T	075	T	T		6047700	A	
NMCXS									
6047710	12A30	5.5	010	T	T		6047710	A	
	11B31	7.3	020	L	.		6047700	A	
	08C39	10.2	030	L	.		6041200	A	
	09A46	23.0T	035	S	I		6047710	A	
NMCZ									
6047900	26D13	12.3	010	T	T		6047900	A	
	23F14	21.8	020	L	.		7901204	A	
	02D01	11.3	030	L	.		2405544	A	
	13E10	4.4	040	L	.		6825321	A	
	14D31	1.5	050	L	.		7900057	A	
	14D11	3.6	060	L	.		7901504	A	
	20D19	5.1	065	L	.		6041110	J	
	11D12	5.2	070	C	C		6047900	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
I	8	15	21	28	33	37	41	77	
	11C12	5.8	080	C	C		6047900	A	
	13B21	6.0	090	L	.		7430124	A	
	21B50	2.8	100	L	.		2841658	A	
	23B26	6.3	110	L	.		6038038	A	
	21C31	6.2	120	L	.		2841650	A	
	32C18	16.0	130	L	.		2841250	A	
	01C09	31.2	140	C	C		6047900	A	
	32Q09	22.8	150	C	C		6047900	A	
	08N06	162.3T	155	S	I		6047900	A	
MCZ									
6047910	26D14	8.1	010	T	T		6047910	A	
	13D39	8.2	020	L	.		7900064	A	
	08E42	14.0	030	L	.		2405496	A	
	31E08	5.2	040	L	.		3691004	A	
	31D08	5.2	050	C	C		6047910	A	
	31C08	3.1	060	C	C		6047910	A	
	32C41	6.5	070	L	.		2841750	A	
	21C27	7.4	080	L	.		2841956	A	
	26B31	1.1	090	L	.		6196218	A	
	25B39	.3	100	L	.		2841964	A	
	25B43	6.8	110	L	.		2842066	A	
	13B50	2.1	120	L	.		7430126	A	
	12B28	9.2	130	L	.		7430140	A	
	01C08	31.2	140	C	C		6047910	A	
	32Q08	6.1	150	C	C		6047910	A	
	20Q10	114.5T	155	S	B		6047910	A	
MFR									
6075450	16S36	.9	010	S	B		6075450	A	
	15S45	.9T	015	L	*		6075470	A	
MFR/1									
6075460	28C36	6.7	010	S	B		6075462	A	
	16C46	5.2	020	C	C		6075462	A	
	16D46	11.9	030	C	C		6075462	A	
	02E42	14.5	040	C	C		6075462	A	
	31P42	16.3	050	C	C		6075462	A	
	10Q50	5.2	060	C	C		6075462	A	
	10R50	7.4	070	C	C		6075462	A	
	16S37	7.7	080	L	.		6075450	A	
	27S07	74.9T	085	T	T		6075462	A	
MIT									
6104900	26C36	11.0	010	S	B		6104900	A	
	13B46	9.8	020	L	.		7430126	A	
	03C40	5.2	030	C	C		6104900	A	
	03D40	.9	040	C	C		6104900	A	
	02D46	1.9	050	L	.		2405702	A	
	01D25	15.5	060	C	C		6104900	A	
	32N25	4.4	070	C	C		6104900	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	25N14	2.3	080	L	.		2503000	A	
	21N18	.9	090	L	.		2500020	A	
	21N30	10.6	100	L	.		6105100	A	
	12P42	.7	110	L	.		4375104	A	
	13P43	63.2T	115	T	T		6104900	A	
MIT/1									
6105000	32E05	.5	010	S	B		6105000	A	
	31E05	8.1	020	S	I		6105002	A	
	22D28	6.5	030	L	.		6041106	A	
	10D39	11.7	040	L	.		3900912	A	
	04F12	12.7	050	L	.		2900692	A	
	01D02	15.5	060	C	C		6105000	A	
	32N02	2.0	070	C	C		6105000	A	
	28N02	6.3	080	L	.		3901100	A	
	21N43	2.1	090	L	.		2560130	A	
	20N21	.3	100	L	.		7900082	A	
	20N17	.9	110	L	.		7900080	A	
	20N06	12.6	120	L	.		7900304	A	
	10P38	6.9	130	L	.		7900400	A	
	20P12	1.0	140	L	.		3900102	A	
	22P12	87.1T	145	T	T		6105000	A	
(MIT+CLEAR)									
6105100	21N47	13.4	010	S	B		6105100	A	
	12Q22	.2	020	L	.		4375127	A	
	12Q23	13.6T	025	L	.		4375107	A	
6182150-1	16S11	1.2	010	S	B		6182150	A	
	15S01	1.2T	015	L	*		6182150	A	
MR/1									
6190200	06R22	.9	010	T	T		6190200	A	
	05R31	9.2	020	L	.		3567100	A	
	16S12	3.4	030	L	.		6182150	A	
	21S23	1.2	040	S	FB		6190200	A	
	21S39	14.7T	045	L	.		6190200	A	
6190255-1	16S35	.6	010	S	B		6190255	A	
	15S33	.6T	015	L	*		6190255	A	
MRC									
6192000	05R44	9.5	010	L	.		6192050	A	
	18S14	1.8	020	S	FF		6192000	A	
	21S13	8.3	025	L	.		3840100	A	
	14T07	19.6T	030	L	.		8010502	F	
NMRC									
6192001	18S12	3.9	010	S	NFF		6192001	A	
	21S43	15.4	020	L	.		3240102	A	
	01R42	21.0	030	C	C		6192001	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		01M42	26.4	040	C	C	6192001	A	
		31K30	14.5	050	C	C	6192001	A	
		02A30	14.0	060	C	C	6192001	A	
		18B39	4.5	070	L	.	7343221	A	
		18A50	99.7T	075	T	T	6192001	A	
6192002-1	18S11	.0T	005	S	+		6192002	A	I
(MRC.DRQ)									
6192050	03R26	1.7	010	L	.		3315150	A	
	05R36	8.0	020	S	B		6192050	A	
	12S26	5.2	030	L	.		3315110	A	
	22S27	14.9T	035	L	.		3846020	A	
MRCL									
6192100	23T29	6.0	010	S	-BDS		6192100	A	
	21S34	4.9	020	L	.		6190202	A	
	20R43	10.9T	025	T	T		6192100	A	
MRQ									
6196100	18S06	3.9	010	S	FF		6196100	A	
	21S37	3.9T	015	L	.		6190202	A	
NMRQ									
6196101	18S07	.0T	005	S	NFF		6196101	A	I
(S/MRQ)									
6196120	20B20	4.8	005	S	I		6196122	M	
	21C08	12.3	010	S	I		6196120	A	
	01C43	31.2	030	C	C		6196120	A	
	32Q43	13.2	040	C	C		6196120	A	
	10Q13	5.2	050	C	C		6196120	A	
	10R13	9.6	060	C	C		6196120	A	
	18S20	.3	070	L	.		6192002	A	
	18S19	.3	080	L	.		6196102	A	
	19S18	76.9T	085	T	T		6196120	A	
N(S/MRQ/1)									
6196200	26B24	5.0	020	S	I		6196214	A	
	24C11	2.1	030	S	I		6196210	A	
	22C22	1.2	040	S	I		6196200	A	
	21C11	4.6	050	L	.		6196120	A	
	22B22	12.9T	055	T	T		6196200	A	
N(S/MRQ/2)									
6196300	23B24	.1	020	S	I		6196318	A	
	23B22	2.4	030	S	I		6196310	A	
	21B01	1.2	040	S	I		6196300	A	
	21B14	5.5	050	S	I		6196306	A	
	10B14	6.2	060	S	I		6196328	A	
	08C14	7.7	070	S	I		6196326	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 6196300
 TYPE-PINLIST

414
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	03B13	14.0	080	L	.		8010850	A	
	21C12	2.3	090	L	.		6196120	A	
	21C41	5.7	100	L	.		3846014	A	
	22B41	45.1T	105	T	T		6196300	A	
N(S/MRQ/3)									
6196400	28C12	3.1	010	S	I		6196404	A	
	22C14	5.2	020	S	I		6196400	A	
	19B34	4.8	030	S	I		6196408	A	
	21C13	1.0	040	L	.		6196120	A	
	23C13	5.2	050	C	C		6196400	A	
	23D13	13.0	060	C	C		6196400	A	
	24F42	1.0	070	L	.		6196502	A	
	26F42	33.3T	075	T	T		6196400	A	
NMRQP1									
6196500	24F30	11.4	010	S	FF		6196500	A	
	23D23	5.2	020	C	C		6196500	A	
	23C23	2.8	030	C	C		6196500	A	
	21C44	19.4T	035	L	.		3846014	A	
MRQP1									
6196501	24F29	.0T	005	S	NFF		6196501	A	I
6196502-1	24F41	.0T	005	S	+		6196502	A	I
MUSIC									
6227000	22F06	9.7	010	S	FF		6227000	A	
	23D27	5.2	020	C	C		6227000	A	
	23C27	10.2	030	C	C		6227000	A	
	04C17	25.1T	035	L	.		2371500	A	
NMUSIC									
6227001	22F07	.3	010	S	NFF		6227001	A	
	22F08	.3T	015	L	.		6227002	A	
MW0									
6240102	23S41	9.1	010	S	B		6240102	U	
	18R23	9.1T	015	L	.		6240100	U	
MW1									
6240112	23S42	8.9	010	S	B		6240112	U	
	18R25	8.9T	015	L	.		6240110	U	
MW2									
6240122	23S31	7.6	010	S	B		6240122	U	
	18R33	7.6T	015	L	.		6240120	U	
MW3									
6240132	23S30	7.2	010	S	B		6240132	U	
	18R35	7.2T	015	L	.		6240130	U	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
6630000	04A08	4.7	010	S	B		6630000	A	
	09A38	1.5	020	L	.		4323027	A	
	11A43	6.8	030	L	.		1313760	A	
	07B37	13.0T	035	L	.		4320300	C	
OL1									
6630140	08A34	2.1	010	S	B		6630140	A	
	11A42	2.1T	015	L	.		1313762	A	
NOL1									
6630150	09A15	1.9	010	S	I		6630150	A	
	07A24	4.1	020	L	.		4325100	A	
	08B01	1.2	030	L	.		4320910	A	
	10B06	3.1	040	L	.		4320900	A	
	12B33	2.6	050	L	.		7430142	A	
	17B28	2.5	060	L	.		4324560	A	
	19B47	15.4T	065	T	T		6630150	A	
OL2									
6630200	04A36	7.3	010	S	B		6630200	A	
	09B30	3.5	015	L	.		4323105	U	
	05B10	10.8T	020	L	.		6630220	U	
NOL2									
6630220	05B01	.4	010	S	I		6630220	U	
	05B07	3.0	020	L	.		6650010	U	
	05B47	3.4T	025	T	T		6630220	U	
OL3									
6630300	04A37	4.3	010	S	B		6630300	A	
	03B14	4.1	020	L	.		4323340	A	
	07B41	1.8	030	L	.		4323392	A	
	08B23	8.7	040	L	.		4421620	A	
	17A37	5.7	050	L	.		4421497	A	
	16B37	24.6T	055	T	T		6630300	A	
OL4									
6630400	04A38	1.3	010	S	B		6630400	A	
	06A41	4.1	020	L	.		4321920	A	
	03B02	3.5	030	L	.		4420800	A	
	07B22	6.0	040	L	.		4425620	A	
	11A38	11.3	050	L	.		4425550	A	
	12C42	3.4	060	L	.		4421050	A	
	14C10	2.9	070	L	.		2405432	A	
	15C42	5.2	080	C	C		6630400	A	
	15D42	9.9	090	C	C		6630400	A	
	29D07	1.7	100	L	.		2401140	A	
	26D06	49.3T	105	T	T		6630400	A	
OL5									
6630500	04A39	5.4	010	S	B		6630500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04B38	3.3	020	L	.	.	4421150	A	
	09B31	7.6	030	L	.	.	6630510	A	
	10A02	3.4	040	L	.	.	1313768	A	
	11A39	.8	050	L	.	.	4425250	A	
	11A30	9.0	060	L	.	.	1313764	A	
	10C07	3.7	070	L	.	.	8010150	A	
	12C43	2.0	080	L	.	.	4421090	A	
	16C43	5.2	090	C	C	.	6630500	A	
	16D43	4.5	100	C	C	.	6630500	A	
	18E22	2.5	110	L	.	.	7900290	A	
	16E42	47.4T	115	T	T	.	6630500	A	
NOL5									
6630510	09B47	6.2	010	S	I	.	6630510	A	
	11C47	5.2	020	C	C	.	6630510	A	
	11D47	5.1	030	C	C	.	6630510	A	
	13E34	1.5	040	L	.	.	7900350	A	
	16E34	18.0T	045	T	T	.	6630510	A	
OL6									
6630600	05A08	5.6	010	S	B	.	6630600	A	
	03B03	2.1	020	L	.	.	4426000	A	
	03B31	1.9	030	L	.	.	4420900	A	
	05B43	1.5	035	L	.	.	4323107	U	
	05B23	1.5	036	L	.	.	4321923	U	
	05B04	2.7	037	L	.	.	6651010	U	
	07B25	1.4	040	L	.	.	4421205	A	
	07B08	.5	050	L	.	.	4321032	A	
	07B05	17.2T	055	L	.	.	4321030	A	
OL7									
6630700	05A36	3.1	010	S	B	.	6630700	A	
	06A05	8.8	015	L	.	.	4321914	U	
	04B39	9.9	020	L	.	.	4324620	A	
	11A20	10.6	030	L	.	.	4323390	A	
	13C08	10.6	040	L	.	.	3846019	A	
	23B07	2.9	050	L	.	.	6038048	A	
	25B34	3.9	060	L	.	.	2841964	A	
	23C07	5.2	070	C	C	.	6630700	A	
	23D07	14.4	080	C	C	.	6630700	A	
	08E26	1.0	090	L	.	.	6911522	A	
	06E26	70.4T	095	T	T	.	6630700	A	
NOL7									
6630710	11A18	14.4	010	S	I	.	6630710	A	
	25B45	9.4	020	L	.	.	2842066	A	
	14C27	5.5	030	L	.	.	8022212	A	
	22C07	.4	040	L	.	.	6196200	A	
	23C08	5.2	050	C	C	.	6630710	A	
	23D08	12.1	060	C	C	.	6630710	A	
	12E26	2.8	070	L	.	.	6911120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		08E13	1.2	080	L	.	6977024	A	
		06E12	51.0T	085	T	T	6630710	A	
OL8									
6630800	05A37	5.4	010	S	B		6630800	A	
	03B22	4.8	020	L	.		4422000	A	
	10B40	7.8	030	L	.		4325120	A	
	10A09	11.6	040	L	.		1313766	A	
	12C11	1.5	050	L	.		4421030	A	
	15C11	5.2	060	C	C		6630800	A	
	15D11	5.8	070	C	C		6630800	A	
	17E05	.5	080	L	.		7900200	A	
	16E05	42.6T	085	T	T		6630800	A	
OL9									
6630900	05A38	4.7	010	S	B		6630900	A	
	03B21	1.8	020	L	.		4421800	A	
	03B42	6.8	030	L	.		4421040	A	
	06A45	3.3	040	L	.		4321920	A	
	07A07	1.4	050	L	.		4320950	A	
	10A04	15.9	060	L	.		1313766	A	
	15C41	5.2	070	C	C		6630900	A	
	15D41	4.0	080	C	C		6630900	A	
	15E25	.5	090	L	.		7900354	A	
	16E25	43.6T	095	T	T		6630900	A	
OLA									
6631000	05A39	6.1	010	S	B		6631000	A	
	04B40	1.2	020	L	.		4324622	A	
	03B30	5.6	030	L	.		4421000	A	
	04C28	7.0	040	L	.		7335800	A	
	09B38	4.8	050	L	.		6631010	A	
	09A44	.6	060	L	.		4323160	A	
	08A41	7.8	070	L	.		4421700	A	
	13B44	7.9	080	L	.		7430128	A	
	23B09	8.2	090	L	.		6196314	A	
	19C18	5.2	100	C	C		6631000	A	
	19D18	12.7	110	C	C		6631000	A	
	04E18	1.0	120	L	.		6911320	A	
	06E18	68.1T	125	T	T		6631000	A	
NOLA									
6631010	09B41	4.9	010	S	I		6631010	A	
	15B12	7.5	020	L	.		2405352	A	
	11A07	10.9	030	L	.		4323220	A	
	11C13	5.2	040	C	C		6631010	A	
	11D13	5.5	050	C	C		6631010	A	
	12E12	1.2	060	L	.		6825311	A	
	12E28	4.1	070	L	.		6911120	A	
	12D47	39.3T	075	T	T		6631010	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
OLB									
6631100	03A08	3.1	010	S	B		6631100	A	
	08A03	.6	020	L	.		4323130	A	
	08A11	9.7	030	L	.		4421430	A	
	03B37	5.8	040	L	.		4421300	A	
	08C11	1.6	050	L	.		4421750	A	
	11C14	5.2	060	C	C		6631100	A	
	11D14	7.7	070	C	C		6631100	A	
	12E39	6.3	080	L	.		6911124	A	
	18F13	40.0T	085	L	.		1314932	A	
OLC									
6631200	03A36	2.8	010	S	B		6631200	A	
	03B04	3.6	020	L	.		4425700	A	
	05B37	3.9	025	L	.		4321922	U	
	12B31	13.3	030	L	.		7430144	A	
	29C25	5.4	040	L	.		2405434	A	
	19C31	5.2	050	C	C		6631200	A	
	19D31	11.0	060	C	C		6631200	A	
	21F25	45.2T	065	L	.		7339500	A	
OLD									
6631300	03A37	6.5	010	S	B		6631300	A	
	05B42	1.6	015	L	.		4323106	U	
	05B20	13.1	017	L	.		4321924	U	
	31B22	6.3	020	L	.		3651210	A	
	31C36	5.2	030	C	C		6631300	A	
	31D36	16.1	040	C	C		6631300	A	
	20F38	4.7	050	L	.		5134000	A	
	15F08	53.5T	055	L	.		8165200	A	
OLE									
6631400	11A40	1.6	010	L	.		6902658	A	
	08A42	7.5	020	L	.		4425900	A	
	03B43	5.7	030	L	.		4420501	A	
	03A38	4.6	040	S	B		6631400	A	
	12A40	19.4T	045	T	T		6631400	A	
OLF									
6631500	03A39	4.1	010	S	B		6631500	A	
	11A37	9.6	020	L	.		4421470	A	
	03B38	3.9	030	L	.		4421500	A	
	05B03	3.0	033	L	.		6631600	U	
	06B38	20.6T	035	T	T		6631500	A	
NOLF									
6631600	05B02	2.3	010	S	I		6631600	U	
	05B31	.4	020	L	.		6902664	U	
	06B28	2.7T	025	T	T		6631600	U	
OLDMEM									



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
PROG-PNFRM LINE NO. -6640000
TYPE-PINLIST

420
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
6640000	31N38	6.7	010	S	-BCR		6640000	U	
	32M29	25.0	020	C	C	11	6640000	W	
	03E29	4.0	030	C	C		6640000	U	
	03D45	5.2	040	C	C		6640000	U	
	03C45	8.3	050	C	C		6640000	U	
	05B17	1.1	055	L	.		6902664	U	
	05B28	.2	060	L	.		4321923	U	
	05B29	.8	070	L	.		4321924	U	
	06B33	51.3T	075	T	T		6640000	U	
OM									
6650000	05B46	2.8	010	S	I		6650000	U	
	05B08	7.0	015	L	.		6651010	U	
	01A09	15.5	020	C	C		6650000	U	
	32K09	24.6	030	C	C		6650000	U	
	21N50	21.7	040	J	J	11	6650000	U	
	05R27	12.4	050	L	.	11	6240400	U	
	23S03	6.6	060	L	.		6651000	U	
	20R06	90.6T	065	T	T		6650000	U	
NOM									
6650010	05B12	2.1	010	S	I		6650010	U	
	05B40	.5	020	L	.		6650000	U	
	06B40	2.6T	025	T	T		6650010	U	
6651000 /OM/									
6651000-1	23S05	4.7	010	S	B		6651000	U	
	18R45	4.7T	015	L	.		6651000	U	
N(OM.OL6)									
6651010	05B13	.4	010	S	I		6651010	U	
	06B14	8.2	020	T	T		6651010	U	
	07C45	5.2	030	C	C		6651010	U	
	07D45	8.4	040	C	C		6651010	U	
	17E22	22.2T	045	L	.		2054910	U	
ORDERIN									
6691000	16F02	1.6	010	S	B		6691000	A	
	16F24	.4	020	L	.		8051028	A	
	16F30	12.0	030	L	.		6554100	A	
	28E23	8.4	040	L	.		2844550	A	
	25D02	13.1	050	L	.		7901552	A	
	06D50	5.0	060	L	.		2010102	A	
	06E45	40.5T	065	T	T		6691000	A	
ORDEROUT									
6691100	16F13	12.7	010	S	B		6691100	A	
	11D17	5.2	020	C	C		6691100	A	
	11C17	16.5	030	C	C		6691100	A	
	01A03	15.5	040	C	C		6691100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	32K03	9.5	050	C	C		6691100	A	
	14K06	.3	060	L	.		1000350	A	
	14K09	7.9	070	L	.		1120350	A	
	12L31	9.8	080	L	.		1130360	A	
	23K40	7.9	090	T	T		6691100	B	
	18L42	85.3T	095	L	.		1000345	A	
NORDEROUT									
6691110	08C13	.7	010	S	I		6691110	A	
	08C03	.3	020	L	.		6691140	A	
	09C02	1.0T	025	T	T		6691110	A	
(ORDEROUT+SW4)									
6691140	08C02	.6	010	S	I		6691140	A	
	07C04	5.2	020	C	C		6691140	A	
	07D04	18.9	030	C	C		6691140	A	
	17F50	16.5	040	L	.		8145000	A	
	26D33	41.2T	045	T	T		6691140	A	
ORDSW4									
6691700	16B28	.9	010	T	T		6691700	A	
	14B27	7.7	020	L	.		2405392	A	
	19C27	5.2	030	C	C		6691700	A	
	19D27	1.5	040	C	C		6691700	A	
	20D42	5.2	050	L	.		8051020	A	
	25D06	6.3	060	L	.		7410832	A	
	25E20	7.4	070	L	.		7410236	A	
	19F13	34.2T	075	S	I		6691700	A	
6692500-1	16S25	1.4	010	S	B		6692500	A	
	15S37	1.4T	015	L	*		6692500	A	
OU0									
6720000	04A07	4.0	010	S	B		6720000	A	
	06A47	1.2	020	L	.		4321918	A	
	08A40	.5	030	L	.		4421700	A	
	08A37	1.4	040	L	.		4320800	A	
	10A31	.6	045	L	.		4321927	U	
	11A29	5.8	050	L	.		4323025	A	
	10B26	9.8	060	L	.		4324355	A	
	18C34	6.8	070	L	.		6902656	A	
	08C10	3.2	080	L	.		4421750	A	
	04C26	1.3	090	L	.		7335800	A	
	04C44	1.5	100	L	.		7421004	A	
	07C44	5.2	110	C	C		6720000	A	
	07D44	3.9	120	C	C		6720000	A	
	13D35	3.8	130	L	.		7900064	A	
	17D11	7.5	140	L	.		7901032	A	
	12E04	2.1	150	L	.		6825310	A	
	12D46	58.6T	155	T	T		6720000	A	



DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 6720010
 TYPE-PINLIST

422
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NOU0									
6720010	11A25	14.4	010	S	I		6720010	A	
	04C31	.3	020	L	.		7421000	A	
	04C35	8.7	030	L	.		7335804	A	
	21C28	6.3	040	L	.		2841956	A	
	30C07	1.5	050	L	.		4324870	A	
	27C07	5.2	060	C	C		6720010	A	
	27D07	9.8	070	C	C		6720010	A	
	13D45	3.4	080	L	.		6942320	A	
	12E10	2.0	090	L	.		6825313	A	
	16E10	51.6T	095	T	T		6720010	A	
OU1									
6720100	04A09	.8	010	S	B		6720100	A	
	06A08	3.7	020	L	.		4321912	A	
	08A43	2.6	030	L	.		4321120	A	
	08A10	1.0	040	L	.		4421430	A	
	10A10	3.5	050	L	.		1313766	A	
	11A50	4.9	060	L	.		1313764	A	
	08B29	8.2	070	L	.		4324542	A	
	21B02	5.8	080	L	.		6196306	A	
	22C01	1.5	090	L	.		6196402	A	
	19C01	5.2	100	C	C		6720100	A	
	19D01	6.8	110	C	C		6720100	A	
	09D25	2.8	120	L	.		6825315	A	
	04D26	2.7	130	L	.		6825317	A	
	06D07	16.7	140	L	.		3900900	A	
	18F12	6.0	150	L	.		1314932	A	
	21E22	2.3	160	L	.		3060285	A	
	22E45	74.5T	165	T	T		6720100	A	
NOU1									
6720150	08B26	3.8	010	S	I		6720150	A	
	03B08	9.3	020	L	.		4323340	A	
	20B17	4.3	030	L	.		2841052	A	
	24B50	5.7	040	L	.		2842058	A	
	23C50	5.2	050	C	C		6720150	A	
	23D50	9.5	060	C	C		6720150	A	
	12E37	2.7	070	L	.		6911122	A	
	08E27	1.0	080	L	.		6977022	A	
	06E27	41.5T	085	T	T		6720150	A	
OU2									
6720200	04A10	1.4	010	S	B		6720200	A	
	06A04	3.7	020	L	.		4321914	A	
	08A39	3.7	030	L	.		4425900	A	
	10A03	2.7	040	L	.		1313768	A	
	11A33	3.7	050	L	.		4421470	A	
	17A44	10.7	060	L	.		4421497	A	
	18C40	10.7	070	L	.		6902650	A	
	07B40	1.5	080	L	.		4323392	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	07B23	2.8	090	L	.	.	4425620	A	
	05B44	.6	092	L	.	.	4321922	U	
	05B39	.2	094	L	.	.	4323106	U	
	05B38	.9	096	L	.	.	4323107	U	
	05B26	.1	097	L	.	.	6902662	U	
	05B24	.5	098	L	.	.	4321923	U	
	05B21	.3	099	L	.	.	4321924	U	
	05B18	1.2	100	L	.	.	6902664	U	
	04B08	1.0	102	L	.	.	4324750	U	
	06B08	45.7T	105	T	T	.	6720200	A	
OU3									
6720300	04A35	4.8	010	S	B	.	6720300	A	
	10A11	.9	020	L	.	.	1313766	A	
	11A02	7.5	030	L	.	.	4323390	A	
	07B06	1.5	040	L	.	.	4321030	A	
	07B26	4.0	050	L	.	.	4421205	A	
	15B26	.8	060	L	.	.	2405350	A	
	16B25	19.5T	065	T	T	.	6720300	A	
OU4									
6720400	05A07	3.4	010	S	B	.	6720400	A	
	11A14	9.9	020	L	.	.	4323220	A	
	04B33	1.6	030	L	.	.	4322030	A	
	03B20	9.5	040	L	.	.	4420800	A	
	07C50	5.2	050	C	C	.	6720400	A	
	07D50	6.7	060	C	C	.	6720400	A	
	12E36	2.2	070	L	.	.	6911124	A	
	15E26	2.5	080	L	.	.	7900354	A	
	17E06	41.0T	085	L	.	.	7900200	A	
OU4-2									
6720420	03B17	.0T	005	S	B	.	6720420	A	I
OU5									
6720500	05A09	2.8	010	S	B	.	6720500	A	
	06A42	3.0	020	L	.	.	4321920	A	
	07A08	4.9	030	L	.	.	4421662	A	
	07B04	7.6	040	L	.	.	4321032	A	
	11A03	15.8	050	L	.	.	4421490	A	
	07C47	5.2	060	C	C	.	6720500	A	
	07D47	8.0	070	C	C	.	6720500	A	
	15E31	6.2	080	L	.	.	7890852	A	
	16F37	4.2	090	L	.	.	6910020	A	
	13F02	57.7T	095	L	.	.	4425870	A	
OU6									
6720600	05A10	7.7	010	S	B	.	6720600	A	
	03B33	1.5	020	L	.	.	4324502	A	
	03B50	6.7	030	L	.	.	4420501	A	
	12C10	2.3	040	L	.	.	4421030	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	12C39	2.1	050	L	.		4421050	A	
	13C14	2.3	060	L	.		3846019	A	
	12C38	13.6	070	L	.		4421090	A	
	11A01	36.2T	075	L	.		4421260	A	
OU7									
6720700	10F38	2.5	010	T	T		6720700	A	
	08F18	5.5	020	L	.		2498000	A	
	16F38	11.1	030	L	.		3077000	A	
	19D50	5.2	040	C	C		6720700	A	
	19C50	15.4	050	C	C		6720700	A	
	27A38	.6	060	L	.		2560055	A	
	27A30	15.0	070	L	.		2560056	A	
	09B40	5.3	080	L	.		6720710	A	
	09A43	3.9	090	L	.		4323027	A	
	06A11	.8	100	L	.		4321914	A	
	06A18	1.5	110	L	.		4321912	A	
	05A35	66.8T	115	S	B		6720700	A	
NOU7									
6720710	09B34	1.7	010	S	I		6720710	A	
	07B44	11.2	020	L	.		4320300	C	
	29B45	12.9T	025	T	T		6720710	A	
NOVERIND									
6733050	29A07	15.0	010	S	-CON		6733060	A	
	11B17	.6	020	S	I		6733050	A	
	11B09	3.3	030	L	.		6733075	A	
	09A50	18.9T	035	T	T		6733050	A	
OVERIND									
6733075	11B10	8.3	010	S	I		6733075	A	
	27B14	3.9	015	S	I		6733080	L	
	19B17	7.6	020	L	.		1316630	A	
	17C35	.9	030	L	.		1306632	A	
	17C44	4.2	040	L	.		8065432	A	
	09C39	3.2	045	T	T		6733075	A	
	14C26	28.1T	050	L	.		5138129	J	
OVERIND/1									
6733100	29A06	.0T	005	S	FF		6733100	A	I
OX									
6750100	29C35	23.5	010	S	I		6750100	A	
	01A50	15.5	020	C	C		6750100	A	
	32K50	6.9	030	C	C		6750100	A	
	22L09	1.2	040	L	.		1034510	A	
	22L22	.2	050	L	.		1014510	A	
	22L23	1.5	060	L	.		1024510	A	
	23L09	.4	070	L	.		1074510	A	
	23L15	.8	080	L	.		1064510	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	23L22	.2	090	L	.		1054510	A	
	23L23	.5	100	L	.		1044510	A	
	24L23	50.7T	105	T	T		6750100	A	
OXC									
6752000	24C18	21.1	010	S	I		6752000	A	
	01A30	15.5	020	C	C		6752000	A	
	32K30	8.7	030	C	C		6752000	A	
	22L10	.5	040	L	.		1014504	A	
	23L10	11.5	050	L	.		1044504	A	
	14M37	5.2	060	C	C		6752000	A	
	14N37	12.1	070	C	C		6752000	A	
	08Q19	4.7	080	L	.		5917102	A	
	17Q12	79.3T	085	T	T		6752000	A	
NOXC									
6752020	16A25	1.2	010	S	I		6752020	A	
	17A35	11.5	020	S	B		6752022	A	
	24C04	5.0	030	L	.		6752000	A	
	29C38	1.9	040	L	.		6750100	A	
	25C37	19.6T	045	T	T		6752020	A	
(P21.P22+PUC20)									
6802100	20R41	3.8	010	T	T		6802100	A	
	13R45	4.7	020	L	.		1194908	A	
	10S14	7.4	030	L	.		6942182	A	
	16T01	15.9T	035	S	I		6802100	A	
N(P21.P22)									
6802120	07R06	15.3	010	S	I		6802120	A	
	16T10	3.8	020	L	.		6802100	A	
	22T03	19.1T	025	T	T		6802120	A	
P2325W									
6802300	11R33	4.8	010	S	B		6802300	A	
	14S07	4.8T	015	L	.		6942220	A	
P2329Z									
6802340	03R11	1.0	010	L	.		6825220	A	
	05R11	.5	020	L	.		6825180	A	
	05R14	1.5T	025	S	B		6802340	A	
P2629W									
6802600	14S08	7.0	010	L	.		6942220	A	
	05R43	5.1	020	L	.		6942250	A	
	11R15	12.1T	025	S	B		6802600	A	
P2629Z									
6802640	05R29	4.3	010	L	.		6802340	A	
	11R11	2.0	020	L	.		6825250	A	
	11R34	6.3T	025	S	B		6802640	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
N(P28.P31)									
6802850	18L46	13.0	010	S	I		6802850	A	
	32K39	15.5	020	C	C		6802850	A	
	01A39	9.2	030	C	C		6802850	A	
	18A29	4.1	040	L	.		2841082	A	
	16B01	41.8T	045	T	T		6802850	A	
(P29.NP30.NP31)									
6802900	19N06	1.0	010	T	T		6802900	A	
	21N06	2.5	020	L	.		1250150	A	
	21N40	3.4	030	L	.		1240150	A	
	26N28	4.1	040	L	.		1260150	A	
	26P11	10.9	050	L	.		1280150	A	
	06P20	6.6	060	L	.		1210150	A	
	10Q12	5.2	070	C	C		6802900	A	
	10R12	2.5	080	C	C		6802900	A	
	05R12	36.2T	085	S	B		6802900	A	
(P30.NP31)									
6803000	01L01	6.1	010	T	T		6803000	A	
	04K09	1.2	020	L	.		1040150	A	
	04K22	10.4	030	L	.		1050150	A	
	05M14	5.2	040	C	C		6803000	A	
	05N14	8.0	050	C	C		6803000	A	
	21N14	8.2	060	L	.		1250150	A	
	26P19	6.0	070	L	.		1280152	A	
	17P36	4.6	080	L	.		1060150	A	
	19Q14	5.2	090	C	C		6803000	A	
	19R14	6.9	100	C	C		6803000	A	
	05R13	61.8T	105	S	B		6803000	A	
(NP30.P31)									
6803010	19N38	1.0	010	T	T		6803010	A	
	21N38	2.6	020	L	.		1240150	A	
	26N40	3.0	030	L	.		1260150	A	
	26P10	6.0	040	L	.		1280152	A	
	17P30	4.1	050	L	.		1060150	A	
	19Q02	5.2	060	C	C		6803010	A	
	19R02	7.0	070	C	C		6803010	A	
	05R02	3.0	080	S	B		6803010	A	
	05R42	31.9T	085	L	.		1030150	A	
(P32.P33+PUC31)									
6803200	14S17	4.6	010	S	I		6803200	A	
	17R45	1.6	020	L	.		1304905	A	
	20R40	6.2T	025	T	T		6803200	A	
(P32.P33)									
6803205	32D01	4.5	010	S	B		6803205	A	
	30D44	10.8	020	L	.		6803290	A	
	24F08	12.2	030	L	.		6038602	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04F38	11.6	040	L	.		6803245	A	
	04D27	1.0	050	L	.		2400544	A	
	04D13	5.6	060	L	.		2400542	A	
	06E06	45.7T	065	T	T		6803205	A	
(P32.NP33)									
6803210	12D42	4.0	010	T	T		6803210	A	
	04D42	.6	020	L	.		2400442	A	
	04D50	9.6	030	L	.		2400440	A	
	04F37	11.8	040	L	.		6803250	A	
	24F13	11.7	050	L	.		6038402	A	
	32D46	37.7T	055	S	B		6803210	A	
(NP32.P33)									
6803212	06E07	4.2	010	T	T		6803212	A	
	04D36	.3	020	L	.		2400412	A	
	04D39	9.9	030	L	.		2400410	A	
	04F31	10.2	040	L	.		6803254	A	
	24F24	3.5	050	L	.		6038202	A	
	27F01	28.1T	055	S	B		6803212	A	
(NP32.NP33)									
6803216	21F35	14.7	010	S	B		6803216	A	
	30D39	12.4	020	L	.		6803280	A	
	24F25	10.6	030	L	.		6038052	A	
	04F30	13.2	040	L	.		6803256	A	
	07D14	5.2	050	C	C		6803216	A	
	07C14	9.5	060	C	C		6803216	A	
	07A31	3.0	070	L	.		3405162	A	
	12A20	68.6T	075	T	T		6803216	A	
(NP32.NP33+PDC31)									
6803220	06R29	2.5	010	T	T		6803220	A	
	11R29	2.8	020	L	.		6825290	A	
	17R28	12.3	030	L	.		1304906	A	
	16T46	17.6T	035	S	I		6803220	A	
N(P32.P33)									
6803240	12S24	2.8	010	S	I		6803240	A	
	14S03	.1	020	L	.		6942292	A	
	14S01	2.9T	025	L	.		6803200	A	
N(P32.P33)-1									
6803245	04F41	7.6	010	S	I		6803245	A	
	17F22	1.4	020	L	.		8133502	A	
	18F34	5.3	030	L	.		6038620	A	
	16E46	14.3T	035	T	T		6803245	A	
N(P32.NP33)									
6803250	04F36	7.3	010	S	I		6803250	A	
	18F35	5.5	020	L	.		6038420	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	16E45	12.8T	025	T	T		6803250	A	
N(NP32.P33)									
6803254	04F47	7.1	010	S	I		6803254	A	
	18F50	6.7	020	L	.		6038220	A	
	16E44	13.8T	025	T	T		6803254	A	
N(NP32.NP33)-1									
6803256	04F46	7.6	010	S	I		6803256	A	
	18F38	5.7	020	L	.		6038070	A	
	16E43	13.3T	025	T	T		6803256	A	
N(NP32.NP33)									
6803260	20R39	12.8	010	T	T		6803260	A	
	16T40	.3	020	L	.		6803220	A	
	16T36	13.1T	025	S	I		6803260	A	
N(NP32.NP33.B0)									
6803280	30D45	16.7	010	S	I		6803280	A	
	17F41	5.7	020	L	.		8133002	A	
	16E41	22.4T	025	T	T		6803280	A	
N(P32.P33.NB0)									
6803290	30D36	17.3	010	S	I		6803290	A	
	17F40	7.4	020	L	.		8133004	A	
	22E44	24.7T	025	T	T		6803290	A	
P32HOLD									
6806240	13F17	.1	010	S	B		6806240	A	
	13F15	5.9	020	S	B		6806242	A	
	03F04	25.0	030	C	C		6806240	A	
	32S04	12.4	040	C	C		6806240	A	
	17R08	1.5	050	L	.		1324902	A	
	20R08	44.9T	055	T	T		6806240	A	
P33HOLD									
6809190	14F10	.3	010	S	B		6809190	A	
	13F11	5.4	020	S	B		6809192	A	
	03F05	25.0	030	C	C		6809190	A	
	32S05	12.2	040	C	C		6809190	A	
	17R14	1.8	050	L	.		1334902	A	
	20R18	44.7T	055	T	T		6809190	A	
PARITYOK									
6812150	15S27	.0T	005	S	-BCR		6812150	A	I
PBAHOLD									
6815825	20D01	14.9	010	S	I		6815825	A	
	13F13	.2	020	L	.		6806242	A	
	13F12	3.3	030	L	.		6809192	A	
	11F47	18.4T	035	T	T		6815825	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
PC									
6820100	08L36	2.8	010	S	-BCR		6820100	A	
	12L29	2.3	020	L	.		5151038	A	
	15L14	5.1T	025	L	.		5156125	A	
NIC									
6820150	26E33	6.4	005	S	I		6820160	P	
	32F10	4.5	010	S	I		6820150	B	
	25F24	7.0	020	L	.		5154202	A	
	19E40	17.9T	025	T	T		6820150	A	
PCP1									
6821100	29A02	3.6	010	S	FF		6821100	A	
	28A47	10.8	020	L	.		6821202	A	
	23C14	5.2	030	C	C		6821100	A	
	23D14	13.3	040	C	C		6821100	A	
	08E22	32.9T	045	L	.		7901522	A	
NPCP1									
6821101	29A21	6.0	010	S	NFF		6821101	A	
	18A24	15.8	020	L	.		6821150	A	
	05C08	21.8T	025	L	.		6821620	A	
6821102-1	29A18	.0T	005	S	+		6821102	A	I
PCP1/LP									
6821150	18A34	3.6	010	S	I		6821150	A	
	15A06	1.4	020	L	.		6821142	A	
	12A05	5.0T	025	T	T		6821150	A	
PCP2									
6821200	28A27	9.3	010	S	FF		6821200	A	
	29C06	8.0	020	L	.		8165918	A	
	21B22	2.0	030	L	.		5138930	A	
	18B33	6.8	040	L	.		5011202	A	
	17A19	14.9	050	L	.		6821220	A	
	06C05	1.9	060	L	.		3202706	A	
	06C31	42.9T	065	L	.		7343350	A	
NPCP2									
6821201	28A28	5.1	010	S	NFF		6821201	A	
	18A26	8.6	020	L	.		6821250	A	
	10B21	9.0	030	L	.		6196328	A	
	25B01	7.3	040	L	.		2842062	A	
	27C15	5.2	050	C	C		6821201	A	
	27D15	2.3	060	C	C		6821201	A	
	30D28	.1	070	L	.		6902496	A	
	30D30	3.4	080	L	.		6902494	A	
	25D18	5.7	090	L	.		7563508	A	
	17D45	8.3	095	L	.		5154072	C	
	26E28	4.5	100	L	.		6845680	A	

XDS

XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 6821201
 TYPE-PINLIST

430
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	20E08	2.5	110	L	.		7563500	A	
	21E33	4.1	120	L	.		1270355	N	
	19F05	1.5	130	L	.		5125330	A	
	19F25	1.2	140	L	.		5125350	A	
	19F41	4.5	150	L	.		5125140	A	
	10F41	73.3T	155	T	T		6821201	A	
6821202-1	28A50	3.1	010	S	+		6821202	A	
	30A22	3.1T	015	S	+		6821205	A	
PCP2/I 6821220	17A14	3.3	010	S	B		6821220	A	
	10A15	4.0	020	L	.		3405150	A	
	17A24	14.7	030	L	.		6821322	A	
	07C17	5.2	040	C	C		6821220	A	
	07D17	1.4	050	C	C		6821220	A	
	08D29	9.2	060	L	.		7901530	A	
	20E04	4.7	070	L	.		7563502	A	
	25D44	.5	080	L	.		5152060	A	
	26D44	43.0T	085	T	T		6821220	A	
PCP2/LP 6821250	18A33	2.7	010	S	I		6821250	A	
	15A17	1.5	020	L	.		6821242	A	
	12A17	4.2T	025	T	T		6821250	A	
PCP3 6821300	28A31	1.0	010	S	FF		6821300	A	
	28A45	6.0	020	L	.		6821207	A	
	17A40	11.4	030	L	.		6821360	A	
	18C46	5.5	040	L	.		2842054	A	
	08C37	.4	050	L	.		2404496	A	
	08C43	2.5	060	L	.		2404486	A	
	07C18	5.2	070	C	C		6821300	A	
	07D18	4.9	080	C	C		6821300	A	
	08E05	7.4	090	L	.		2905502	A	
	04F04	3.4	100	L	.		2407006	A	
	05E39	15.8	110	L	.		7900041	A	
	22D11	13.2	120	L	.		2904501	A	
	23F41	76.7T	125	L	.		5158108	A	
NPCP3 6821301	28A26	5.1	010	S	NFF		6821301	A	
	18A23	.1	020	L	.		6821150	A	
	18A25	1.0	030	L	.		6821250	A	
	17A20	15.2	040	L	.		6821220	A	
	05C07	5.6	050	L	.		6821620	A	
	15C15	5.2	060	C	C		6821301	A	
	15D15	7.2	070	C	C		6821301	A	
	28D05	39.4T	075	L	.		5153440	C	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
6821302-1	28A46	.0T	005	S	+		6821302	A	I
(S/PCP3)									
6821320	17A34	1.6	010	S	B		6821322	A	
	16A17	7.9	020	S	I		6821320	A	
	28A43	5.1	030	L	.		6821302	A	
	22B01	14.6T	035	T			6821320	A	
N(S/PCP3/1)									
6821330	22B02	8.2	010	T	T		6821330	A	
	16A01	9.2	020	L	.		6821320	A	
	24B01	17.4T	025	S	I		6821330	A	
(PCP3.NBRPH10)									
6821360	17A46	5.8	010	S	B		6821360	A	
	28A42	5.8T	015	L	.		6821402	A	
PCP4									
6821400	28A30	1.2	010	S	FF		6821400	A	
	29A20	6.0	020	L	.		6821502	A	
	18A11	9.1	030	L	.		6974100	A	
	23B29	1.0	040	L	.		6038046	A	
	23B43	11.0	050	L	.		6038038	A	
	07B03	2.7	060	L	.		2403010	A	
	07B39	6.9	070	L	.		2403020	A	
	10C41	5.1	080	L	.		3405154	A	
	16C13	5.2	090	C	C		6821400	A	
	16D13	12.1	100	C	C		6821400	A	
	07E45	4.1	110	L	.		6942306	A	
	13E26	2.3	120	L	.		7900352	A	
	12E50	4.7	130	L	.		7904500	A	
	20E40	5.2	140	L	.		3905408	A	
	26E10	76.6T	145	L	.		6821420	A	
NPCP4									
6821401	28A29	6.8	010	S	NFF		6821401	A	
	18A06	6.8T	015	L	.		6821450	A	
6821402-1	28A41	.0T	005	S	+		6821402	A	I
N(PCP4.KFILL/B)									
6821420	26E01	6.7	010	S	I		6821420	A	
	32D18	9.8	020	L	.		6970102	A	
	32F07	6.0	030	L	.		1264930	A	
	30E12	22.5T	035	T	T		6821420	T	
PCP4/LP									
6821450	18A12	2.2	010	S	I		6821450	A	
	15A22	16.3	020	L	.		6821448	A	
	05C37	1.3	030	L	.		6821454	A	
	06C50	19.8T	035	T	T		6821450	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NPCP4/LP									
6821454	05C36	1.6	010	S	I		6821454	A	
	05C14	3.1	020	L	.		6821620	A	
	06C47	4.7T	025	T	T		6821454	A	
PCP5									
6821500	29A14	5.7	010	S	FF		6821500	A	
	18A09	.2	020	L	.		2403350	A	
	18A08	.9	030	L	.		2841080	A	
	18A20	1.6	040	L	.		2841082	A	
	17A39	6.2	050	L	.		6821560	A	
	23B14	10.4	060	L	.		6038046	A	
	29C41	2.8	070	L	.		6927012	A	
	29C03	1.3	080	L	.		6927112	A	
	27C04	5.2	090	C	C		6821500	A	
	27D04	2.0	100	C	C		6821500	A	
	25D21	8.3	110	L	.		6942310	A	
	20E29	7.7	120	L	.		3900920	A	
	17D18	52.3T	125	L	.		7900467	A	
NPCP5									
6821501	18A22	1.5	010	L	.		6821150	A	
	18A05	5.9	020	L	.		6821450	A	
	29A12	7.4T	025	S	NFF		6821501	A	
6821502-1	29A11	.0T	005	S	+		6821502	A	I
(PCP5.NBRPCP5)									
6821560	17A45	6.2	010	S	B		6821560	A	
	28A35	6.2T	015	L	.		6821602	A	
PCP6									
6821600	28A33	1.7	010	S	FF		6821600	A	
	29A17	24.6	020	L	.		5011105	A	
	03C28	5.2	030	C	C		6821600	A	
	03D28	6.5	040	C	C		6821600	A	
	08E12	9.9	050	L	.		6977022	A	
	26E03	4.8	060	L	.		6821615	A	
	20E27	52.7T	065	L	.		3905410	A	
NPCP6									
6821601	18A07	1.5	010	L	.		6821450	A	
	18A27	5.4	020	L	.		6821250	A	
	28A34	6.9T	025	S	NFF		6821601	A	
6821602-1	28A39	.0T	005	S	+		6821602	A	I
N(PCP6.KFILL/B)									
6821615	26E02	6.3	010	S	I		6821615	A	
	32D31	9.7	020	L	.		6970104	A	
	16D10	5.2	030	C	C		6821615	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	16C10	11.3	040	C	C		6821615	A	
	17A09	6.8	050	L	.		7343223	A	
	09A47	39.3T	055	T	T		6821615	A	
PCPACT 6821620	05C06	6.0	010	S	I		6821620	A	
	09B22	11.4	020	L	.		5138938	A	
	30B13	6.1	030	L	.		8165916	A	
	27C05	5.2	040	C	C		6821620	A	
	27D05	9.3	050	C	C		6821620	A	
	20E13	13.5	060	L	.		7563504	A	
	32F43	5.8	070	L	.		2054920	A	
	30E50	57.3T	075	T	T		6821620	A	
PDC18 6825180	05R01	2.7	010	S	B		6825180	A	
	05R34	5.7	020	S	B		6825182	A	
	12R04	8.4T	025	L	.		1154905	A	
PDC22 6825220	03R01	5.1	010	S	B		6825220	A	
	13R04	5.1T	015	L	.		1194907	A	
PDC25 6825250	11R01	1.6	010	S	B		6825250	A	
	14R04	1.6T	015	L	.		1234907	A	
PDC29 6825290	03R10	1.0	010	L	.		6825220	A	
	05R10	3.0	020	L	.		6825180	A	
	11R10	.3	030	L	.		6825250	A	
	11R14	3.2	040	S	B		6825290	A	
	16R04	7.5T	045	L	.		1264908	A	
PDC3033 6825300	06R18	2.7	010	T	T		6825300	A	
	11R19	3.8	020	L	.		6825290	A	
	17R04	13.0	030	L	.		1304906	A	
	16T35	19.5T	035	S	I		6825300	A	
NPDC31 6825310	15F36	5.8	010	S	B		6825329	A	
	13E42	2.0	020	S	I		6825325	A	
	12E22	1.8	030	S	I		6825310	A	
	13E04	4.9	040	S	I		6825319	A	
	09D33	3.8	050	S	I		6825315	A	
	04D15	10.8	060	S	I		6825317	A	
	03F13	25.0	070	C	C		6825310	A	
	32S13	15.5	080	C	C		6825310	A	
	16T43	.1	090	L	.		6825300	A	
	16T41	19.8	100	L	.		6803220	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	03R03	1.4	110	L	.		6825332	A	
	06R04	90.9T	115	T	T		6825310	A	
(NPDC31.NPUC31)									
6825332	03R02	7.0	010	S	B		6825332	A	
	17R02	7.0T	015	L	.		1324910	A	
NPDC33									
6825340	09D34	6.4	010	S	I		6825340	A	
	14E15	13.0	020	S	I		6825342	A	
	03F42	25.0	030	C	C		6825340	A	
	32S42	12.9	040	C	C		6825340	A	
	16T38	7.0	050	L	.		6825300	A	
	19S34	64.3T	055	T	T		6825340	A	
PE									
6830155	15S13	7.7	010	S	-BCR		6830155	A	
	15T42	7.7T	015	L	.		6832400	A	
PEINT									
6832200	24A14	23.1	010	S	FF		6832200	A	
	03C42	5.2	020	C	C		6832200	A	
	03D42	4.9	030	C	C		6832200	A	
	07E09	8.3	040	L	.		6832430	A	
	03F20	25.0	050	C	C		6832200	A	
	32S20	8.4	060	C	C		6832200	A	
	28R04	4.0	070	L	.		1062682	A	
	20R04	78.9T	075	T	T		6832200	A	
NPEINT									
6832201	24A12	.0T	005	S	NFF		6832201	A	I
6832202-1	24A11	.0T	005	S	+		6832202	A	I
(R/PEINT)									
6832220	08C46	21.1	010	S	I		6832220	A	
	24A15	1.1	020	L	.		6832207	A	
	26A17	22.2T	025	T	T		6832220	A	
N(R/PEINT/2)									
6832225	09C04	3.2	010	T	T		6832225	A	
	08C40	3.6	020	L	.		6832220	A	
	01C42	31.2	030	C	C		6832225	A	
	32Q42	4.7	040	C	C		6832225	A	
	24Q31	5.2	050	C	C		6832225	A	
	24R31	11.5	060	C	C		6832225	A	
	03R45	59.4T	065	S	B		6832225	A	
(S/PEINT)									
6832230	17B15	8.9	010	S	B		6832230	A	
	24A13	8.9T	015	L	.		6832202	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
I	8	15	21	28	33	37	41	77	
PEM 6832400	06R07	2.5	010	T	T		6832400	A	
	11R07	14.4	020	L	.		6832420	A	
	15T34	.7	030	L	.		6832400	A	
	15T44	17.6T	035	S	FB		6832400	A	
NPEM 6832410	16E40	6.2	010	T	T		6832410	A	
	17F46	2.0	020	L	.		8145000	A	
	17F23	7.3	030	L	.		8133502	A	
	31F19	15.5T	035	S	I		6832410	A	
PEM-1 6832420	11R12	15.8	010	S	B		6832422	A	
	30S25	20.3	015	L	.		4392652	J	
	01R17	21.0	020	C	C		6832422	A	
	01M17	8.6	030	C	C		6832422	A	
	06L05	8.7	040	L	.		1100350	A	
	14K08	21.5	050	L	.		1120350	A	
	32M33	25.0	060	C	C		6832422	A	
	03E33	5.9	070	C	C		6832422	A	
	08F10	12.3	080	L	.		3107040	A	
	31F03	10.6	090	L	.		6832410	A	
	27D30	5.2	100	C	C		6832422	A	
	27C30	10.2	110	C	C		6832422	A	
	17B30	.5	120	L	.		6832230	A	
	16B30	165.6T	125	T	T		6832422	A	
N(R/PEM) 6832430	07E22	5.8	010	S	I		6832430	A	
	03F07	25.0	020	C	C		6832430	A	
	32S07	9.5	030	C	C		6832430	A	
	16S24	3.4	040	L	.		6832500	A	
	11S12	43.7T	045	T	T		6832430	A	
N(R/PEM)-1 6832500	16S26	6.0	010	S	B		6832500	A	
	15T33	8.7	020	L	.		6832400	A	
	19S13	14.7T	025	T	T		6832500	A	
PH1 6845100	31A30	6.4	010	S	FF		6845100	A	
	28B29	2.7	020	L	.		2841178	A	
	24B39	4.4	030	L	.		2841960	A	
	18B22	7.2	040	L	.		5011250	A	
	17C42	4.8	050	L	.		8065431	A	
	26C38	1.4	055	L	.		6845192	V	
	27C29	5.2	060	C	C		6845100	A	
	27D29	6.2	070	C	C		6845100	A	
	32E09	.5	080	L	.		6845110	A	
	32E12	2.0	090	L	.		6845126	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	32E37	1.2	100	L	.		4322100	A	
	30E36	42.0T	105	T	T		6845100	A	
NPH1									
6845101	31A29	3.8	010	S	NFF		6845101	A	
	31B06	.6	020	L	.		6845197	A	
	30B03	.2	040	L	.		6845120	A	
	30B02	.7	050	L	.		6845122	A	
	30B12	8.1	060	L	.		6845128	A	
	29C44	5.3	070	L	.		6845198	A	
	29B47	18.7T	075	T	T		6845101	A	
6845102-1									
	30A36	1.0	010	S	+		6845104	A	
	31A41	1.0T	015	S	+		6845102	A	
PH1-F									
6845110	32E10	4.8	010	S	B		6845110	A	
	32D19	.6	020	L	.		4324708	A	
	32D27	8.9	030	L	.		4324704	A	
	25E26	5.8	040	L	.		3510100	A	
	27F19	.2	050	L	.		4334100	A	
	27F18	4.4	060	L	.		3078530	A	
	19F11	4.6	070	L	.		2404430	A	
	12F22	.3	090	L	.		7395100	A	
	12F18	9.1	100	L	.		4395402	A	
	05E11	.5	110	L	.		3905402	A	
	06E11	39.2T	115	T	T		6845110	A	
PH1-A									
6845120	26A06	4.4	010	T	T		6845120	A	
	30A38	4.7	030	L	.		6845204	A	
	31B23	.8	040	L	.		3651210	A	
	30B19	2.7	050	S	I		6845120	A	
	26B09	2.0	060	L	.		2842068	C	
	25B29	1.5	070	L	.		2842064	A	
	24B43	2.5	090	L	.		2842058	A	
	29B43	18.6T	095	T	T		6845120	A	
PH1-B									
6845122	25C08	7.6	010	T	T		6845122	A	
	10C13	1.2	030	L	.		8010862	A	
	10C26	1.2	040	L	.		8010864	A	
	10C42	7.2	050	L	.		8022216	A	
	13B36	1.5	060	L	.		2405372	A	
	13B19	.4	070	L	.		2405374	A	
	13B13	9.1	080	L	.		1313736	A	
	30B05	11.7	090	S	I		6845122	A	
	17A05	2.3	100	L	.		4320830	A	
	16A29	5.2	110	L	.		2840110	A	
	15B18	2.4	120	L	.		2405350	A	
	14B44	5.4	130	L	.		1313742	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		07B18	5.3	140	L	.	3689395	A	
		08A27	2.4	150	L	.	3078000	A	
		12A18	62.9T	155	T	T	6845122	A	
PH1-C 6845124	28B25	.8	010	S	B		6845124	F	
	27B22	5.2	020	L	.		2841870	A	
	30C02	2.1	030	L	.		4324360	A	
	30C29	.3	040	L	.		4420850	A	
	30C33	4.9	050	L	.		6845150	A	
	29B46	13.3T	055	T	T		6845124	A	
PH1-D 6845126	06E09	4.4	010	T	T		6845126	A	
	05D28	2.2	020	L	.		6977014	A	
	06D09	2.8	030	L	.		2405486	A	
	09D27	6.1	040	L	.		6825315	A	
	08E28	2.4	050	L	.		6977022	A	
	12E34	12.0	060	L	.		6911122	A	
	32E11	4.5	070	S	B		6845126	A	
	32D22	1.9	080	L	.		4324920	A	
	28D21	6.5	090	L	.		3078500	A	
	17D07	2.2	100	L	.		7900465	A	
	14D17	2.1	110	L	.		7900047	A	
	14D42	2.0	120	L	.		7900045	A	
	12D27	49.1T	125	T	T		6845126	A	
PH1-E 6845128	30B11	4.1	010	S	I		6845128	A	
	23B19	.1	020	L	.		6038044	A	
	23B17	1.8	030	L	.		6038042	A	
	20B13	8.7	040	L	.		2841052	A	
	18C42	3.5	055	L	.		2842052	C	
	21C19	3.8	060	L	.		2841954	A	
	28C15	.6	070	L	.		2841952	A	
	28C20	10.0	080	L	.		2841950	A	
	09C31	32.6T	085	T	T		6845128	A	
PH1/A 6845150	30C36	12.5	010	S	B		6845150	A	
	19B11	1.5	020	L	.		4324706	A	
	22B11	14.0T	025	T	T		6845150	A	
PH1/B 6845155	30C41	12.1	010	S	B		6845155	A	
	10C14	1.0	020	L	.		8010154	A	
	11C19	5.2	030	C	C		6845155	A	
	11D19	8.0	040	C	C		6845155	A	
	07E29	7.3	050	L	.		7900392	A	
	10D21	6.8	060	L	.		3901404	A	
	13E24	3.1	070	L	.		7901900	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 6845155
 TYPE-PINLIST

438
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		17E37	3.2	080	L	.	7901700	A	
		16E02	46.7T	085	T	T	6845155	A	
PH1/C									
6845160	30C35	6.6	010	S	B		6845160	A	
	26B43	.1	020	L	.		2841172	A	
	26B45	.6	030	L	.		2841174	A	
	26B50	6.1	040	L	.		2841172	A	
	19C19	5.2	050	C	C		6845160	A	
	19D19	6.2	060	C	C		6845160	A	
	15E05	9.1	070	L	.		7900280	A	
	30E28	33.9T	075	T	T		6845160	A	
PH1/D									
6845165	30C34	13.1	010	S	B		6845165	A	
	07C12	5.2	020	C	C		6845165	A	
	07D12	2.5	030	C	C		6845165	A	
	02D12	7.1	040	L	.		2400206	A	
	06E10	27.9T	045	T	T		6845165	A	
PH1/E									
6845170	30C26	9.6	010	S	B		6845170	A	
	12C18	.1	020	L	.		4324712	A	
	12C20	.3	030	L	.		4324714	A	
	11C21	5.2	040	C	C		6845170	A	
	11D21	5.8	050	C	C		6845170	A	
	13E15	1.3	060	L	.		6942314	A	
	16E14	22.3T	065	T	T		6845170	A	
PH1/F									
6845175	30C25	9.3	010	S	B		6845175	A	
	24B12	4.1	020	L	.		6038034	A	
	19B37	6.6	030	L	.		4421640	A	
	16C35	5.2	040	C	C		6845175	A	
	16D35	3.0	050	C	C		6845175	A	
	10D35	4.6	060	L	.		3900906	A	
	13E07	12.9	070	L	.		6825319	A	
	28F09	1.1	080	L	.		6845177	A	
	26F07	46.8T	085	T	T		6845175	A	
NPH1/F									
6845177	28F10	10.9	010	S	I		6845177	A	
	30D21	4.4	020	L	.		6902335	A	
	30E06	15.3T	025	T	T		6845177	A	
PH1/G									
6845180	29B07	1.5	010	T	T		6845180	A	
	26B07	3.0	020	L	.		2841974	A	
	26B47	5.7	030	L	.		2841170	A	
	30C27	10.2T	035	S	B		6845180	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
PH2									
6845200	31A33	1.1	010	S	FF		6845200	A	
	30A25	6.8	020	L	.		6845304	A	
	28B33	3.5	030	L	.		4320960	A	
	24B13	8.8	035	L	.		6038036	C	
	17C10	.7	040	L	.		8065436	A	
	17C20	7.0	050	L	.		8065437	A	
	31C20	5.2	060	C	C		6845200	A	
	31D20	1.3	070	C	C		6845200	A	
	29D24	.3	080	L	.		6845260	A	
	29D23	7.7	090	L	.		6845265	A	
	32E38	42.4T	095	L	.		4322200	A	
NPH2									
6845201	31A34	4.6	010	S	NFF		6845201	A	
	31B26	1.5	020	L	.		6845297	A	
	30B43	7.9	030	L	.		6845255	A	
	24C39	14.0T	035	L	.		6902370	A	
6845202-1									
	30A39	.5	010	S	+		6845204	A	
	31A39	.5T	015	S	+		6845202	A	
PH2-B									
6845255	22B21	2.5	010	T	T		6845255	A	
	20B38	2.1	020	L	.		2841054	A	
	24B40	3.0	030	L	.		2842058	A	
	26B17	3.6	040	L	.		2841174	A	
	32B25	.3	050	L	.		4323354	A	
	32B21	2.8	060	L	.		4323356	A	
	30B45	7.0	070	S	I		6845255	A	
	22C12	3.0	080	L	.		6196200	A	
	21C46	3.2	090	L	.		2842078	A	
	18C21	3.5	100	L	.		3846018	A	
	14C38	2.6	110	L	.		2841860	A	
	10C46	9.3	120	L	.		8022214	A	
	12B09	7.4	130	L	.		6910002	A	
	19A27	6.0	140	L	.		7439000	A	
	09A41	2.3	150	L	.		6047710	A	
	12A26	58.6T	155	T	T		6845255	A	
PH2-D									
6845260	29D26	7.6	010	S	B		6845260	A	
	17D03	5.4	020	L	.		7901032	A	
	10D29	3.4	030	L	.		3900908	A	
	05D41	13.5	040	L	.		6977014	A	
	11F41	.6	050	L	.		2405122	A	
	10F43	30.5T	055	T	T		6845260	A	
PH2-E									
6845265	16E24	2.0	010	T	T		6845265	A	
	12E24	14.4	020	L	.		6911120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	30D25	.5	030	L	.		1312795	A	
	29D25	17.8	040	S	B		6845265	A	
	12F09	5.0	050	L	.		5339000	A	
	17E42	5.6	060	L	.		1312774	A	
	07E50	2.7	070	L	.		6942304	A	
	07E14	1.7	080	L	.		7900394	A	
	05E03	2.5	090	L	.		3905404	A	
	04E26	1.9	100	L	.		6911320	A	
	06E14	54.1T	105	T	T		6845265	A	
PH2/LP 6845290	09B18	7.0	010	S	I		6845290	A	
	15A34	1.5	020	L	.		6845288	A	
	12A34	8.5T	025	T	T		6845290	A	
NPH2/L 6845295	09B04	11.1	010	L	.		6845290	A	
	31B02	2.4	020	S	B		6845295	A	
	31B33	13.5T	025	S	B		6845297	A	
PH3 6845300	31A02	2.9	010	S	FF		6845300	A	
	30A34	8.1	020	L	.		6845404	A	
	30C01	2.7	030	L	.		4324365	A	
	27C14	5.2	040	C	C		6845300	A	
	27D14	1.6	050	C	C		6845300	A	
	29D21	7.4	060	L	.		6845360	A	
	30E43	1.3	070	T	T		6845300	A	
	32E39	.3	080	L	.		4322300	A	
	32E43	29.5T	085	L	.		4322380	A	
NPH3 6845301	31A21	4.0	010	S	NFF		6845301	A	
	31B05	1.5	020	L	.		6845197	A	
	31B25	2.0	030	L	.		6845297	A	
	30B42	3.3	040	L	.		6845355	A	
	29C10	2.1	050	L	.		6845390	A	
	29C37	4.8	060	L	.		6845198	A	
	29B44	17.7T	065	T	T		6845301	A	
6845302-1	30A26	1.1	010	S	+		6845304	A	
	31A18	1.1T	015	S	+		6845302	A	
PH3-B 6845355	22B47	9.0	010	T	T		6845355	A	
	14C40	7.5	020	L	.		2841350	A	
	20B50	2.2	030	L	.		2841058	A	
	23B40	3.9	035	L	.		6196318	C	
	26B11	1.5	040	L	.		2842068	A	
	27B25	1.5	060	L	.		3405164	A	
	28B08	4.6	070	L	.		3651010	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	32B41	1.5	080	L	.		4324630	A	
	30B44	9.7	090	S	I		6845355	A	
	13B28	12.4	100	L	.		2405366	A	
	24C50	2.2	110	L	.		2841654	A	
	22C34	6.4	120	L	.		2842452	A	
	18B43	5.6	130	L	.		4421660	A	
	18C44	3.1	140	L	.		2842050	A	
	12C41	6.1	150	L	.		5153288	A	
	04C13	2.3	160	L	.		7900022	A	
	09C12	79.5T	165	T	T		6845355	A	
PH3-D 6845360	29D28	13.6	010	S	B		6845360	A	
	23F30	16.1	020	L	.		5883104	A	
	30D05	5.9	030	L	.		1312796	A	
	22D31	.3	035	L	.		6041102	C	
	22D35	4.8	040	L	.		6041100	A	
	13D31	2.9	050	L	.		6942318	A	
	10D14	1.9	060	L	.		3901402	A	
	10D40	3.3	070	L	.		3900910	A	
	06D21	.6	090	L	.		3900904	A	
	06D29	.2	100	L	.		2405490	A	
	06D28	.4	110	L	.		2405492	A	
	05D31	4.1	120	L	.		6977016	A	
	04E06	2.3	130	L	.		3900914	A	
	08E09	1.4	140	L	.		2905500	A	
	06E15	57.8T	145	T	T		6845360	A	
(PH3+PH4) 6845390	29C01	13.1	010	S	I		6845390	A	
	04C06	2.5	020	L	.		7900020	A	
	07C20	5.2	030	C	C		6845390	A	
	07D20	12.8	040	C	C		6845390	A	
	11F23	8.2	050	L	.		3901410	A	
	06E17	41.8T	055	T	T		6845390	A	
PH4 6845400	31A04	1.1	010	S	FF		6845400	A	
	30A12	6.3	020	L	.		6845504	A	
	26B03	7.2	030	L	.		2842070	A	
	30C04	1.8	040	L	.		4324370	A	
	31C22	5.2	050	C	C		6845400	A	
	31D22	1.0	060	C	C		6845400	A	
	29D22	8.1	070	L	.		6845460	A	
	32E40	.1	090	L	.		4322400	A	
	32E42	1.0	100	L	.		4322480	A	
	30E42	31.8T	105	T	T		6845400	A	
NPH4 6845401	31A05	7.9	010	S	NFF		6845401	A	
	30B30	5.8	020	L	.		6845455	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		32C24	2.3	030	L	.	6845490	A	
		29C11	3.0	040	L	.	6845390	A	
		29B42	19.0T	045	T	T	6845401	A	
6845402-1	30A33	2.7	010	S	+		6845404	A	
	31A03	2.7T	015	S	+		6845402	A	
PH4-B									
6845455	30B46	1.5	010	S	I		6845455	A	
	32B43	3.7	020	L	.		4324722	A	
	25B42	.3	030	L	.		2842066	A	
	25B38	2.3	040	L	.		2841964	A	
	21B42	7.7	050	L	.		2841658	A	
	14C28	3.2	060	L	.		8022212	A	
	10C44	1.2	070	L	.		8022216	A	
	10C31	7.6	080	L	.		3405156	A	
	12B13	6.8	090	L	.		6910002	A	
	07A25	6.0	100	L	.		4421495	A	
	19A25	5.1	110	L	.		7439002	A	
	16B03	45.4T	115	T	T		6845455	A	
PH4-D									
6845460	12D43	6.8	010	T	T		6845460	A	
	04D05	2.6	020	L	.		2905504	A	
	09D08	1.1	030	L	.		3900932	A	
	10D03	1.8	040	L	.		7901510	A	
	10D27	4.9	050	L	.		3900912	A	
	08E06	5.3	060	L	.		2905500	A	
	18E10	3.6	070	L	.		1312790	A	
	17D38	1.1	080	L	.		7900472	A	
	18D30	8.6	090	L	.		3060004	A	
	32D08	2.6	100	L	.		4420520	A	
	29D27	38.4T	105	S	B		6845460	A	
PH4/LP									
6845490	32C34	19.4	010	S	I		6845490	A	
	15A28	1.3	020	L	.		6845488	A	
	12A29	20.7T	025	T	T		6845490	A	
PH5									
6845500	32A27	2.0	010	S	FF		6845500	A	
	30A41	6.1	020	L	.		6845604	A	
	18A39	13.8	025	L	.		7343160	B	
	30C03	4.5	030	L	.		4324375	A	
	28C46	2.4	040	L	.		4324670	A	
	27C20	5.2	050	C	C		6845500	A	
	27D20	2.2	060	C	C		6845500	A	
	29D04	8.2	070	L	.		6845560	A	
	32E24	1.0	080	L	.		4322500	A	
	30E24	45.4T	085	T	T		6845500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NPH5									
6845501	32A28	3.9	010	S	NFF		6845501	A	
	31B07	2.3	020	L	.		6845197	A	
	30B31	5.6	030	L	.		6845555	A	
	32C23	15.5	040	L	.		6845490	A	
	19A43	27.3T	045	L	.		6927122	A	
6845502-1									
	30A11	3.8	010	S	+		6845504	A	
	32A50	3.8T	015	S	+		6845502	A	
PH5-B									
6845555	30B47	2.2	010	S	I		6845555	A	
	27B37	5.0	020	L	.		2841064	A	
	21B12	1.5	030	L	.		6196306	A	
	19B23	3.5	040	L	.		6196408	A	
	15B40	2.8	050	L	.		2405400	A	
	14B07	13.7	060	L	.		2405360	A	
	04C50	2.5	070	L	.		7421000	A	
	09C50	31.2T	075	T	T		6845555	A	
PH5-E									
6845560	29D18	7.6	010	S	B		6845560	A	
	32E30	7.1	020	L	.		4322580	A	
	32D09	9.8	030	L	.		4420530	A	
	13D13	5.2	040	L	.		7900071	A	
	08D46	2.6	050	L	.		7900073	A	
	05D29	2.0	060	L	.		6977002	A	
	04D09	9.4	070	L	.		2905506	A	
	08E40	7.3	080	L	.		2405496	A	
	18E13	9.8	090	L	.		4375150	A	
	08F04	6.1	100	L	.		7395102	A	
	17F26	1.5	110	L	.		7694100	A	
	19F23	3.8	120	L	.		1156350	A	
	26F27	72.2T	125	T	T		6845560	A	
PH6									
6845600	32A31	2.2	010	S	FF		6845600	A	
	30A47	11.0	020	L	.		6845704	A	
	30C50	2.8	030	L	.		2285040	A	
	26C37	12.4	040	L	.		6104900	A	
	14B21	2.7	045	L	.		2405364	A	
	17B37	31.1T	055	L	.		4324377	G	
NPH6									
6845601	32A26	5.5	010	S	NFF		6845601	A	
	31B27	1.2	020	L	.		6845297	A	
	30B37	5.0	030	L	.		6845635	A	
	32C22	.3	040	L	.		6845490	A	
	31C23	5.2	050	C	C		6845601	A	
	31D23	5.1	060	C	C		6845601	A	
	31E21	.2	070	L	.		6845640	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	31E20	7.8	080	L	.	.	3691002	A	
	27F28	7.2	082	L	.	.	5154040	C	
	30E22	37.5T	085	T	T	.	6845601	A	
6845602-1	30A40	1.4	010	S	+	.	6845604	A	
	32A46	1.4T	015	S	+	.	6845602	A	
PH6-A 6845620	32E15	20.7	010	S	B	.	6845620	A	
	02F18	14.5	020	C	C	.	6845620	A	
	31Q18	6.2	030	C	C	.	6845620	A	
	26P37	.1	040	L	.	.	1310140	A	
	26P35	.8	050	L	.	.	1310141	A	
	28P34	42.3T	055	T	T	.	6845620	A	
PH6-B 6845635	30B36	3.5	010	S	I	.	6845635	A	
	25B21	1.7	020	L	.	.	2841660	A	
	25B40	1.8	030	L	.	.	2842066	A	
	21B41	3.3	040	L	.	.	2841658	A	
	22C10	.7	050	L	.	.	6196206	A	
	22C20	.6	060	L	.	.	6196204	A	
	21C25	.6	070	L	.	.	2841956	A	
	21C30	2.2	080	L	.	.	2841650	A	
	25C31	14.4T	085	T	T	.	6845635	A	
PH6-E 6845640	31E28	.8	010	S	I	.	6845640	A	
	32E31	.6	020	L	.	.	4322680	A	
	32E23	.7	040	L	.	.	4322620	A	
	32E13	8.2	050	L	.	.	6845620	A	
	31F42	16.8	060	L	.	.	4323312	B	
	20D29	10.5	070	L	.	.	6041110	J	
	21F23	.9	080	L	.	.	5152172	A	
	20F17	9.9	090	L	.	.	2013100	A	
	17D46	.3	100	L	.	.	5154070	A	
	17D42	2.5	110	L	.	.	5154074	A	
	13D33	3.4	120	L	.	.	6942320	A	
	08D21	6.9	130	L	.	.	2900592	A	
	08E43	11.2	140	L	.	.	2405496	A	
	02D03	8.4	150	L	.	.	2405544	A	
	06E19	81.1T	155	T	T	.	6845640	A	
(S/PH6/I0) 6845675	31E15	19.3	010	S	I	.	6845675	A	
	01D27	15.5	020	C	C	.	6845675	A	
	32N27	16.4	030	C	C	.	6845675	A	
	10P26	.8	040	L	.	.	1306530	A	
	10P35	4.5	050	L	.	.	1316530	A	
	17P18	2.5	060	L	.	.	1002776	A	
	22P18	59.0T	065	T	T	.	6845675	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
N(S/PH6/10)									
6845680	26E34	4.3	010	S	I		6845680	A	
	31E13	.2	020	L	.		6845675	A	
	31E12	.7	030	L	.		6845685	A	
	31E02	.3	040	L	.		6105002	A	
	31E01	4.9	050	L	.		3691002	A	
	22E07	10.4T	055	T	T		6845680	A	
(S/PH6/10)-1									
6845685	31E11	14.3	010	S	I		6845685	A	
	13D12	6.9	020	L	.		7900068	A	
	23D38	5.2	030	C	C		6845685	A	
	23C38	5.2	040	C	C		6845685	A	
	18C02	8.2	050	L	.		8010872	A	
	25B13	6.9	060	L	.		2841666	A	
	20A26	46.7T	065	T	T		6845685	A	
PH7									
6845700	32A30	2.0	010	S	FF		6845700	A	
	30A44	3.9	020	L	.		6845804	A	
	31B20	3.2	030	L	.		4323394	A	
	25B15	9.1T	035	L	.		2842060	A	
NPH7									
6845701	32A29	3.8	010	S	NFF		6845701	A	
	31B03	.3	020	L	.		6845295	A	
	31B04	3.0	030	L	.		6845195	A	
	30B38	5.5	040	L	.		6845755	A	
	32C28	.5	050	L	.		6845490	A	
	31C28	5.2	060	C	C		6845701	A	
	31D28	3.4	070	C	C		6845701	A	
	31E04	7.3	080	L	.		4425672	A	
	28F12	29.0T	085	L	.		6845765	A	
6845702-1									
	30A50	1.9	010	S	+		6845704	A	
	32A41	1.9T	015	S	+		6845702	A	
PH7-B									
6845755	30B41	3.4	010	S	I		6845755	A	
	32B09	4.6	020	L	.		4324520	A	
	23B11	5.6	030	L	.		6196316	A	
	17B42	4.8	040	L	.		2285050	A	
	13B03	.9	050	L	.		1313734	A	
	13B15	1.4	060	L	.		7430122	A	
	12B27	.7	070	L	.		7430140	A	
	12B37	7.6	080	L	.		7430142	A	
	04C12	2.8	090	L	.		7900022	A	
	09C11	31.8T	095	T	T		6845755	A	
PH7-D									
6845765	28F11	6.2	010	S	I		6845765	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	20F41	12.4	020	L	.		2013152	A	
	32E22	9.5	030	L	.		4322720	A	
	13E22	.9	040	L	.		7901900	A	
	12E31	8.2	050	L	.		7904500	A	
	27E42	15.7	060	L	.		2902160	A	
	06D41	2.6	070	L	.		2405494	A	
	05D14	1.6	080	L	.		6977002	A	
	08D12	4.8	090	L	.		2405594	A	
	17D15	4.4	100	L	.		7900466	A	
	14D50	1.5	110	L	.		7900046	A	
	12D41	67.8T	115	T	T		6845765	A	
PH8									
6845800	32A33	2.2	010	S	FF		6845800	A	
	30A17	6.9	020	L	.		6845905	A	
	26B13	11.8	030	L	.		2842072	C	
	18C47	9.7	040	L	.		2842052	A	
	32C11	.4	050	L	.		2841150	A	
	32C17	2.8	060	L	.		2841250	A	
	31C44	5.2	070	C	C		6845800	A	
	31D44	.6	080	C	C		6845800	A	
	32D42	2.9	090	L	.		4425650	A	
	26D45	42.5T	095	T	T		6845800	A	
NPH8									
6845801	32A34	4.1	010	S	NFF		6845801	A	
	30B09	8.8	020	L	.		6845855	A	
	28C40	1.8	030	L	.		6845890	A	
	31C39	5.2	040	C	C		6845801	A	
	31D39	2.8	050	C	C		6845801	A	
	30D10	.7	060	L	.		4395850	A	
	30D20	23.4T	065	L	.		6902335	A	
6845802-1	30A45	1.4	010	S	+		6845804	A	
	32A39	1.4T	015	S	+		6845802	A	
PH8-B									
6845855	30B10	3.9	010	S	I		6845855	A	
	26B36	7.2	020	L	.		6196214	C	
	12B43	3.2	030	L	.		7430148	A	
	11B08	5.5	040	L	.		8010158	A	
	07A29	12.7	050	L	.		8165726	A	
	10C40	1.5	060	L	.		3405154	A	
	07C40	5.2	070	C	C		6845855	A	
	07D40	2.4	080	C	C		6845855	A	
	06D14	.7	090	L	.		3900902	A	
	05D21	16.8	100	L	.		6977005	A	
	27E30	12.2	110	L	.		2902162	A	
	12F27	5.2	120	L	.		7890155	A	
	20F11	5.9	130	L	.		4324738	A	
	18E15	5.7	140	L	.		4375150	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	27E31	3.5	150	L	.		7900460	A	
	20E31	4.4	160	L	.		3905410	A	
	29E28	2.3	165	L	.		7890848	B	
	32E21	8.4	170	L	.		4322820	A	
	22D45	1.9	180	L	.		2843852	A	
	26D42	108.6T	185	T	T		6845855	A	
PH8/LP									
6845890	28C23	16.9	010	S	I		6845890	A	
	15A26	1.3	020	L	.		6845888	A	
	12A27	18.2T	025	T	T		6845890	A	
PH9									
6845900	32A02	1.9	010	S	FF		6845900	A	
	30A14	13.4	020	L	.		6846005	A	
	28C43	15.3T	025	L	.		6977200	A	
NPH9									
6845901	32A21	5.0	010	S	NFF		6845901	A	
	31B08	2.5	020	L	.		6845195	A	
	30B39	6.4	030	L	.		6845955	A	
	28C38	1.4	040	L	.		6845890	A	
	27C50	5.2	050	C	C		6845901	A	
	27D50	2.8	060	C	C		6845901	A	
	25D26	7.1	070	L	.		7563508	A	
	31E09	30.4T	075	L	.		6845970	A	
6845902-1	30A06	1.9	010	S	+		6845905	A	
	32A18	1.9T	015	S	+		6845902	A	
PH9-B									
6845955	09C09	2.5	010	T	T		6845955	A	
	04C09	9.6	020	L	.		7900024	A	
	13B11	1.5	030	L	.		1313736	A	
	14B26	8.7	040	L	.		1313744	A	
	19A17	10.9	050	L	.		5138920	A	
	18C12	12.6	060	L	.		3846016	A	
	32B11	2.8	070	L	.		4324725	A	
	30B35	48.6T	075	S	I		6845955	A	
PH9-D									
6845970	31E10	6.6	010	S	I		6845970	A	
	18E07	7.6	020	L	.		1312790	A	
	21F19	6.0	030	L	.		5150552	A	
	12F36	7.1	040	L	.		3060283	A	
	08E38	2.2	050	L	.		7900452	A	
	04E33	6.3	060	L	.		7904002	A	
	04D20	2.2	070	L	.		7900076	A	
	06D35	3.4	080	L	.		2405488	A	
	09D09	2.9	090	L	.		7901536	A	
	13D21	2.7	100	L	.		7900070	A	



DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-6887000
 TYPE-PINLIST

450
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
6887000	31N22	19.0	010	S	-BCR		6887000	R	
	25R29	19.0T	015	L	.	11	1002662	U	
PR									
6900040	05F42	12.5	010	S	-BCR		6900040	A	
	28F28	1.8	015	S	I		6900045	B	
	31F24	10.4	020	L	.		7890146	A	
	28D43	9.4	025	L	.		7890135	A	
	16E19	34.1T	030	T	T		6900040	B	
PR0003									
6900100	29K23	12.0	010	S	B		6900100	A	
	29M40	5.2	020	C	C		6900100	A	
	29N40	6.9	030	C	C		6900100	A	
	15N43	2.0	040	L	.		1002756	A	
	19N43	26.1T	045	T	T		6900100	A	
PR0015									
6900120	15N23	1.4	010	S	B		6900120	A	
	15N38	6.5	020	L	.		1002758	A	
	23N04	7.9T	025	L	.		7500302	A	
PR0407									
6900140	29K21	11.8	010	S	B		6900140	A	
	29M39	5.2	020	C	C		6900140	A	
	29N39	7.3	030	C	C		6900140	A	
	15N40	2.0	040	L	.		1002756	A	
	19N40	26.3T	045	T	T		6900140	A	
PR0811									
6900160	30K23	12.4	010	S	B		6900160	A	
	29M38	5.2	020	C	C		6900160	A	
	29N38	6.8	030	C	C		6900160	A	
	15N39	2.0	040	L	.		1002757	A	
	19N39	26.4T	045	T	T		6900160	A	
PR1215									
6900180	30K21	11.4	010	S	B		6900180	A	
	29M27	5.2	020	C	C		6900180	A	
	29N27	8.0	030	C	C		6900180	A	
	15N41	2.0	040	L	.		1112751	A	
	19N41	26.6T	045	T	T		6900180	A	
PR1619									
6900200	17N23	2.3	010	S	B		6900200	A	
	15N05	2.0	020	L	.		1152751	A	
	19N05	4.3T	025	T	T		6900200	A	
PR1631									
6900220	15N21	.7	010	S	B		6900220	A	
	15N11	2.0	020	L	.		1152753	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19N11	2.7T	025	T	T		6900220	A	
PR2023 6900240	17N21	1.9	010	S	B		6900240	A	
	15N10	2.0	020	L	.		1152751	A	
	19N10	3.9T	025	T	T		6900240	A	
PR2427 6900260	16N23	1.5	010	S	B		6900260	A	
	15N09	2.0	020	L	.		1152752	A	
	19N09	3.5T	025	T	T		6900260	A	
PR2831 6900280	16N21	1.5	010	S	B		6900280	A	
	15N07	2.0	020	L	.		1192752	A	
	19N07	3.5T	025	T	T		6900280	A	
NPRE1 6902100	31A06	6.7	010	S	FF		6902100	A	
	30B23	1.6	020	L	.		6902140	A	
	31B40	1.2	030	L	.		6902165	A	
	32B30	2.2	040	L	.		6902700	A	
	29B40	11.7T	045	T	T		6902100	A	
PRE1 6902101	31A07	7.0	010	S	NFF		6902101	A	
	19A21	13.0	020	L	.		7824100	A	
	22C36	3.9	030	L	.		2842454	A	
	26C10	1.3	040	L	.		5188132	A	
	28C06	.2	050	L	.		6902150	A	
	28C07	2.0	060	L	.		6902150	A	
	28C30	2.6	070	L	.		6902152	A	
	32C38	.2	080	L	.		2842254	A	
	32C39	6.6	090	L	.		2842256	A	
	29B41	36.8T	095	T	T		6902101	A	
N(S/PRE1) 6902130	24B29	9.5	010	S	I		6902130	A	
	31A19	3.1	020	L	.		6902102	A	
	26A12	12.6T	025	T	T		6902130	A	
PRE1-A 6902140	30B25	6.6	010	S	I		6902140	A	
	31A13	1.8	020	L	.		4252002	A	
	28A10	7.5	030	L	.		2840902	A	
	18A44	3.2	040	L	.		2841000	A	
	18B15	10.7	050	L	.		5011254	A	
	08C21	2.0	060	L	.		6196326	A	
	07C41	5.2	070	C	C		6902140	A	
	07D41	1.4	080	C	C		6902140	A	
	05D35	3.0	090	L	.		6977020	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		10D44	8.6	100	L	.	7901518	A	
		22D13	9.5	110	L	.	2904504	A	
		15E20	.5	120	L	.	7900396	A	
		16E20	60.0T	125	T	T	6902140	A	
PRE/12 6902150		28C01	2.0	010	S	I	6902150	A	
		28C24	3.5	020	S	B	6902152	A	
		32C44	7.2	030	L	.	6902330	A	
		22C13	2.0	040	L	.	6196202	A	
		18C13	6.1	050	L	.	8010870	A	
		23B35	5.9	060	L	.	6196324	A	
		14B18	1.8	070	L	.	2405364	A	
		14B42	6.5	080	L	.	1313742	A	
		05C03	4.3	090	L	.	6902155	A	
		13C07	3.7	100	L	.	3846019	A	
		11C40	5.2	110	C	C	6902150	A	
		11D40	2.4	120	C	C	6902150	A	
		11E02	3.7	130	L	.	7514500	A	
		13E37	3.6	140	L	.	7900461	A	
		20E35	9.1	145	L	.	3905414	C	
		12F33	1.1	150	L	.	1314930	A	
		10F35	68.1T	155	T	T	6902150	A	
NPRES/12 6902155		05C19	15.3	010	S	I	6902155	A	
		18A38	3.7	020	L	.	5188020	A	
		16B04	19.0T	025	T	T	6902155	A	
PRE1/LP 6902160		09B19	8.0	010	S	I	6902160	A	
		15A18	4.9	020	L	.	6902158	A	
		16B05	12.9T	025	T	T	6902160	A	
NPRES1/L 6902165		31B46	14.1	010	S	B	6902165	A	
		09B03	14.1T	015	L	.	6902160	A	
PRE1EN 6902170		26C15	5.7	010	S	B	6902170	A	
		24B24	5.7T	015	L	.	6902132	A	
(NHALT+FUEXU) 6902180		21C17	2.5	010	S	I	6902180	Q	
		26C17	7.9	020	L	.	6902170	Q	
		22B10	10.4T	025	T	T	6902180	Q	
PRE2 6902200		31A27	6.0	010	S	FF	6902200	A	
		31B37	.3	020	L	.	5110170	A	
		31B38	6.4	030	L	.	5188200	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	28C34	10.6	040	L	.		6902152	A	
	07C39	5.2	050	C	C		6902200	A	
	07D39	3.1	060	C	C		6902200	A	
	05D12	2.1	070	L	.		6977000	A	
	08D04	4.9	080	L	.		2405592	A	
	02D33	13.1	090	L	.		2405540	A	
	20E20	8.1	100	L	.		3900922	A	
	12D33	59.8T	105	T	T		6902200	A	
NPRES									
6902201	31A28	5.0	010	S	NFF		6902201	A	
	32B18	1.8	020	L	.		6902700	A	
	31B39	4.9	030	L	.		6902265	A	
	22B45	11.7T	035	T	T		6902201	A	
6902202-1	31A50	.0T	005	S	+		6902202	A	I
PRE2/LP									
6902260	09B05	7.3	010	S	I		6902260	A	
	15A14	1.3	020	L	.		6902258	A	
	12A15	8.6T	025	T	T		6902260	A	
NPRES/L									
6902265	31B45	14.3	010	S	B		6902265	A	
	09B02	14.3T	015	L	.		6902260	A	
NPRES3									
6902300	32A06	6.1	010	S	FF		6902300	A	
	30B04	1.3	020	L	.		6902318	A	
	30B22	.3	030	L	.		6902314	A	
	30B21	2.0	040	L	.		6902316	A	
	31B41	.3	050	L	.		6902165	A	
	31B42	1.6	060	L	.		6902265	A	
	32B31	5.9	070	L	.		6902700	A	
	31C33	5.2	080	C	C		6902300	A	
	31D33	.8	090	C	C		6902300	A	
	30D29	6.3	100	L	.		6902335	A	
	31E37	1.2	110	L	.		6902324	A	
	31E50	1.5	120	L	.		6902320	A	
	30E35	32.5T	125	T	T		6902300	A	
PRE3									
6902301	32A07	10.7	010	S	NFF		6902301	A	
	28B50	7.6	020	L	.		2285060	A	
	22C42	.6	040	L	.		6902340	A	
	22C50	4.1	050	L	.		6902342	A	
	24C08	6.9	055	L	.		6038024	T	
	15C40	5.2	060	C	C		6902301	A	
	15D40	3.1	070	C	C		6902301	A	
	14D03	1.0	080	L	.		7901502	A	
	12D03	39.2T	085	T	T		6902301	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
PRE3-A									
6902314	30B27	3.2	010	S	I		6902314	A	
	26B40	5.0	020	L	.		6196220	A	
	27A50	1.0	030	L	.		2560005	A	
	27A36	1.8	040	L	.		2560056	A	
	27A12	4.4	050	L	.		2840904	A	
	19A18	4.5	060	L	.		7824100	A	
	18B02	3.4	070	L	.		2578002	A	
	19B39	2.9	080	L	.		2404484	A	
	21B13	2.1	100	L	.		6196306	A	
	21B38	.4	110	L	.		2841552	A	
	21B44	2.8	120	L	.		2841552	A	
	22C03	1.5	130	L	.		6196402	A	
	25C03	33.0T	135	T	T		6902314	A	
PRE3-B									
6902316	30B28	5.3	010	S	I		6902316	A	
	20B24	4.5	015	L	.		6196123	M	
	13B09	2.4	020	L	.		1313732	A	
	13B38	.3	030	L	.		2405372	A	
	13B41	6.7	040	L	.		2405368	A	
	06C10	4.3	050	L	.		4420930	A	
	14C06	.3	060	L	.		2405430	A	
	14C05	.3	070	L	.		2405430	A	
	14C09	2.4	080	L	.		2405432	A	
	18C15	6.4	082	L	.		3846017	F	
	29C27	3.5	090	L	.		2405434	A	
	25C47	36.4T	095	T	T		6902316	A	
PRE3-C									
6902318	30B18	15.0	010	S	I		6902318	A	
	10C19	.7	020	L	.		3405160	A	
	10C29	.8	030	L	.		3405158	A	
	10C36	.5	040	L	.		3405158	A	
	09C36	17.0T	045	T	T		6902318	A	
PRE3-D									
6902320	06E21	6.6	010	T	T		6902320	A	
	04D18	3.9	020	L	.		6825317	A	
	10D30	2.9	030	L	.		3900908	A	
	14D41	14.0	040	L	.		7900057	C	
	31E46	27.4T	045	S	I		6902320	A	
PRE3-E									
6902322	16E08	.5	010	T	T		6902322	A	
	15E08	1.0	020	L	.		7900282	A	
	15E22	.5	030	L	.		3060000	A	
	15E27	1.1	040	L	.		7900354	A	
	14E20	2.7	050	L	.		7900380	A	
	17E07	2.7	060	L	.		7900200	A	
	18E38	.5	070	L	.		3060233	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		18E35	7.4	080	L	.	3060136	A	
		31E47	16.4T	085	S	I	6902322	A	
PRE3-F 6902324		31E36	9.1	010	S	I	6902324	A	
		25D23	12.6	020	L	.	6942310	A	
		12E35	.6	030	L	.	6911124	A	
		12E27	1.7	040	L	.	6911120	A	
		12E06	2.9	050	L	.	6825310	A	
		08E18	3.5	060	L	.	6911522	A	
		04E38	7.9	070	L	.	7904000	A	
		12F20	4.0	080	L	.	4395402	A	
		20F20	.3	090	L	.	4321230	A	
		20F23	5.5	100	L	.	4320600	A	
		22E33	48.1T	105	T	T	6902324	A	
PRE3-G 6902326		12D40	2.5	010	T	T	6902326	A	
		17D40	1.4	020	L	.	7900470	A	
		18D28	7.0	030	L	.	3060002	A	
		29D08	4.2	040	L	.	2401140	A	
		32D43	6.1	050	L	.	5919900	A	
		31E44	21.2T	055	S	I	6902326	A	
PRE3-H 6902328		06F10	3.5	010	S	B	6902328	F	
		02F30	14.5	020	C	C	6902328	A	
		31Q30	7.4	030	C	C	6902328	A	
		20Q03	.2	040	L	.	6047600	A	
		20Q02	4.6	050	L	.	6047500	A	
		12Q10	6.5	060	L	.	2560102	A	
		19P40	4.8	070	L	.	2900104	A	
		12P21	4.7	080	L	.	1044206	A	
		11N35	.7	090	L	.	1004204	A	
		10N34	5.2	100	C	C	6902328	A	
		10M34	8.2	110	C	C	6902328	A	
		23M15	1.8	120	L	.	1286206	A	
		22M33	62.1T	125	T	T	6902328	A	
N(S/PRE3) 6902330		32C36	12.0	010	S	I	6902330	A	
		32A19	5.9	020	L	.	6902302	A	
		29B04	17.9T	025	T	T	6902330	A	
(PRE3+PH1/F+PH8) 6902335		30D14	12.5	010	S	I	6902335	A	
		13E01	2.7	020	L	.	7901902	A	
		17E11	3.7	040	L	.	7901702	A	
		20E42	8.1	045	L	.	2407002	C	
		11F20	7.2	050	L	.	2401020	A	
		07E19	5.6	060	L	.	6832436	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	16E36	39.8T	065	T	T		6902335	A	
NP/34 6902340	29B05	4.3	010	T	T		6902340	A	
	27A31	1.4	020	L	.		2560056	A	
	27A46	6.2	030	L	.		2560005	A	
	18B03	8.8	040	L	.		2578002	A	
	22C26	1.6	060	L	.		2842450	A	
	24C33	1.3	070	L	.		4421212	A	
	22C30	23.6T	075	S	I		6902340	A	
PRE/34-A 6902350	24C36	5.2	010	S	I		6902350	A	
	32C20	15.1	020	L	.		2841354	A	
	15B02	8.3	040	L	.		2405354	A	
	14C36	11.1	050	L	.		2841860	A	
	23B21	.9	060	L	.		6038044	A	
	24B27	1.6	070	L	.		6038034	A	
	26B35	7.3	080	L	.		6196214	A	
	30A30	10.4	090	L	.		6845104	A	
	27C13	5.2	100	C	C		6902350	A	
	27D13	9.1	110	C	C		6902350	A	
	14D44	4.5	120	L	.		7900046	A	
	10D09	8.3	130	L	.		7901512	A	
	15E17	7.3	140	L	.		7890852	A	
	29E13	14.5	150	L	.		7890846	A	
	12D04	108.8T	155	T	T		6902350	A	
(PRE/34+PH2) 6902370	24C35	3.9	010	S	I		6902370	A	
	28C09	6.4	020	L	.		6196404	A	
	23B27	6.8	030	L	.		6196320	C	
	12B45	4.0	040	L	.		7430146	A	
	10C12	.8	050	L	.		8010152	A	
	10C21	.9	060	L	.		8010156	A	
	11C27	5.2	070	C	C		6902370	A	
	11D27	6.8	080	C	C		6902370	A	
	07E21	4.3	090	L	.		7900391	A	
	10D50	3.1	100	L	.		7901520	A	
	13D28	2.6	110	L	.		7900066	A	
	17D35	4.8	120	L	.		7900473	A	
	14E06	4.8	130	L	.		7904100	A	
	14D15	6.3	140	L	.		7900051	A	
	17E09	1.5	150	L	.		7904300	A	
	18E24	1.5	160	L	.		7900292	A	
	16E35	63.7T	165	T	T		6902370	A	
PRE4 6902400	31A31	9.6	010	S	FF		6902400	A	
	19B09	8.0	020	L	.		2562076	A	
	22C28	1.2	030	L	.		2842452	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	22C43	8.2	040	L	.	.	6902342	A	
	17B38	4.4	050	L	.	.	6902450	A	
	16C20	5.2	060	C	C	.	6902400	A	
	16D20	4.0	070	C	C	.	6902400	A	
	10D06	13.1	080	L	.	.	3901400	A	
	08F31	12.8	090	L	.	.	2498000	A	
	10D10	3.9	100	L	.	.	7901512	A	
	02D09	.7	110	L	.	.	2400210	A	
	02D19	11.1	120	L	.	.	2400208	A	
	15E11	7.4	130	L	.	.	4421436	A	
	20F07	1.5	140	L	.	.	4321250	A	
	20F27	5.9	150	L	.	.	4320620	A	
	22E31	97.0T	155	T	T	.	6902400	A	
NPRES									
6902401	31A26	6.8	010	S	NFF	.	6902401	A	
	30B40	3.0	020	L	.	.	6902470	A	
	32B17	9.8T	025	L	.	.	6902700	A	
6902402-1	31A46	.0T	005	S	+	.	6902402	A	I
(PRE4.BCZ)									
6902450	17B35	12.5	010	S	B	.	6902450	A	
	03C39	5.2	020	C	C	.	6902450	A	
	03D39	3.8	030	C	C	.	6902450	A	
	05E08	7.1	040	L	.	.	3905400	A	
	12D30	28.6T	045	T	T	.	6902450	A	
PRE4/LP									
6902470	30B34	14.3	010	S	I	.	6902470	A	
	15A11	2.1	020	L	.	.	6902468	A	
	12A03	16.4T	025	T	T	.	6902470	A	
PRE10									
6902480	12A33	1.9	010	T	T	.	6902480	A	
	10A21	6.1	020	L	.	.	3405150	A	
	14B08	8.5	030	L	.	.	7430132	A	
	07C09	5.2	040	C	C	.	6902480	A	
	07D09	7.7	050	C	C	.	6902480	A	
	05E29	18.1	060	L	.	.	7900037	A	
	31F27	47.5T	065	S	I	.	6902480	A	
PRE10/1									
6902490	31F28	19.3	010	S	I	.	6902490	A	
	05E14	1.1	020	L	.	.	7900037	A	
	06E22	20.4T	025	T	T	.	6902490	A	
NPRES									
6902494	30D15	11.4	010	S	I	.	6902494	A	
	31F22	4.9	020	L	.	.	6902480	A	
	30E31	16.3T	025	T	T	.	6902494	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NPRE10/1 6902496	30D34 31F21 30E33	10.1 4.8 14.9T	010 020 025	S L T	I .br/>T		6902496 6902490 6902496	A A A	
PREOPER 6902650	05B15 05B33 09A45 11A34 23B34 18C24 16C29 16D29 10D36 12D36	1.3 6.3 1.5 11.2 7.0 1.1 5.2 3.8 1.0 38.4T	002 005 010 020 030 040 050 060 070 075	S S S S L L C C L T	I I I I .br/>I C C .br/>T		6902664 6902662 6902660 6902658 6196324 6902650 6902650 6902650 3900908 6902650	U U A A A A A A A A	
NPREP 6902700	09C14 10B38 10B37 10C11 32B15	3.9 .3 3.3 15.9 23.4T	010 020 030 040 045	T L L L S	T .br/>.br/>.br/>B		6902700 4426100 4426110 8010858 6902700	A A A A T	
PRETR 6902900	28A04 27A02 27A14 18B19 17C04 17C06 17C50 32C08 32C03	.6 .9 9.8 4.9 .1 3.3 10.6 .6 30.8T	010 020 030 040 050 060 070 080 085	S L L L L L L L L	FF .br/>.br/>.br/>.br/>.br/>.br/>.br/>.		6902900 8065256 8065156 5011252 1316634 8065435 8065433 8065216 8065218	A A A A A A A A A	
NPRETR 6902901	28A05	.0T	005	S	NFF		6902901	A	I
6902902-1	28A03	.0T	005	S	+		6902902	A	I
PRI 6905008	28F24 06F34 07F45 03E06 32M06 03K46	11.7 1.4 10.3 25.0 22.0 70.4T	005 010 015 020 030 040	L S L C C S	.br/>B * C C -SWC		6905020 6905008 6905000 6905008 6905008 6905010	B A A B B B	
NPRI 6905020	28F26 28F21	.6 10.3	010 020	S L	I .br/>		6905020 6900045	B B	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19E13	10.9T	025	T	T		6905020	B	
PROBOVER 6909950	05C05	22.0	010	S	I		6909950	A	
	29A08	15.4	020	L	.		6733102	A	
	23C37	5.2	030	C	C		6909950	A	
	23D37	8.3	040	C	C		6909950	A	
	18E45	15.3	050	L	.		3060234	A	
	01D26	15.5	060	C	C		6909950	A	
	32N26	22.3	070	C	C		6909950	A	
	11Q44	2.3	080	L	.		3060205	A	
	06Q45	106.3T	085	T	T		6909950	A	
NPROBOVER 6910000	13C36	6.8	010	S	I		6910006	A	
	12B22	7.2	020	S	I		6910000	A	
	05C02	8.7	030	L	.		6909950	A	
	02A46	14.5	040	C	C		6910008	A	
	31K46	18.1	050	C	C		6910008	A	
	10M11	5.2	060	C	C		6910008	A	
	10N11	11.3	070	C	C		6910008	A	
	21P19	.5	080	L	.		3060230	A	
	22P19	72.3T	085	T	T		6910008	A	
PROBOVER/H 6910020	16F36	7.2	010	S	B		6910020	A	
	18E27	6.8	020	L	.		3060234	A	
	23D39	5.2	030	C	C		6910020	A	
	23C39	15.0	040	C	C		6910020	A	
	29A19	26.6	050	L	.		6733102	A	
	01C47	31.2	060	C	C		6910020	A	
	32Q47	10.5	070	C	C		6910020	A	
	11Q47	4.7	080	L	.		3060204	A	
	17Q20	107.2T	085	T	T		6910020	A	
NPRXAD 6911100	22M06	4.0	010	T	T		6911100	A	
	19L42	.6	020	L	.		6911172	A	
	18L44	7.4	030	L	.		6911180	A	
	10M23	5.2	040	C	C		6911100	A	
	10N23	1.3	050	C	C		6911100	A	
	08N24	3.9	060	L	.		6911190	A	
	08P06	22.4T	065	S	FF		6911100	A	
PRXAD 6911101	08P07	.0T	005	S	NFF		6911101	A	I
N(S/PRXAD) 6911120	12E23	1.7	010	S	I		6911120	A	
	11E39	.2	020	S	B		6911128	A	
	11E38	11.7	030	S	B		6911126	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	01D17	15.5	040	C	C		6911120	A	
	32N17	16.8	050	C	C		6911120	A	
	08P08	6.0	060	L	.		6911102	A	
	09N04	51.9T	065	T	T		6911120	A	
PRXAD/0 6911150	19L45	.5	010	S	I		6911150	A	
	20L45	3.7	020	S	B		6911152	A	
	25L29	.5	030	L	.		1005500	A	
	26L29	.5	040	L	.		1025500	A	
	27L29	.5	050	L	.		1045500	A	
	28L29	.5	060	L	.		1065500	A	
	29L29	5.6	070	L	.		1005480	A	
	30M27	11.8T	075	T	T		6911150	A	
PRXAD/1A 6911160	20L44	6.7	010	S	B		6911160	A	
	25M29	.5	020	L	.		1085500	A	
	26M29	2.0	030	L	.		1105500	A	
	30M29	9.2T	035	T	T		6911160	A	
PRXAD/1B 6911170	19L26	1.2	010	S	I		6911170	A	
	19L41	.5	020	S	I		6911174	A	
	19L44	.6	030	S	I		6911172	A	
	20L42	.2	040	L	.		6911160	A	
	20L43	7.7	050	L	.		6911152	A	
	27M29	.5	060	L	.		1125500	A	
	28M29	.8	070	L	.		1145500	A	
	30M28	11.5T	075	T	T		6911170	A	
PRXAD/2 6911180	18L36	1.1	010	S	I		6911180	A	
	19L28	.4	020	S	I		6911184	A	
	19L34	5.7	030	S	I		6911182	A	
	18M37	5.2	040	C	C		6911180	A	
	18N37	11.1	050	C	C		6911180	A	
	05P29	.5	060	L	.		1225500	A	
	04P29	.5	070	L	.		1205500	A	
	03P29	.5	080	L	.		1185500	A	
	02P29	.5	090	L	.		1165500	A	
	01P29	25.5T	095	T	T		6911180	A	
PRXAD/3 6911190	13N06	4.0	010	S	I		6911192	A	
	08N26	13.4	020	S	I		6911190	A	
	02Q29	.5	030	L	.		1245500	A	
	03Q29	.5	040	L	.		1265500	A	
	04Q29	.5	050	L	.		1285500	A	
	05Q29	.4	060	L	.		1305500	A	
	06Q26	19.3T	065	T	T		6911190	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NPRXAND									
6911300	16L14	1.5	010	T	T		6911300	A	
	19L14	7.7	020	L	.		6911360	A	
	18M40	5.2	030	C	C		6911300	A	
	18N40	6.1	040	C	C		6911300	A	
	08N23	.2	050	L	.		6911380	A	
	08N22	4.5	060	L	.		6911390	A	
	07P06	25.2T	065	S	FF		6911300	A	
PRXAND									
6911301	07P07	.0T	005	S	NFF		6911301	A	I
N(S/PRXAND)									
6911320	10E39	.2	010	S	B		6911326	A	
	10E38	4.6	020	S	B		6911322	A	
	04E15	6.7	030	S	I		6911320	A	
	01D15	15.5	040	C	C		6911320	A	
	32N15	12.2	050	C	C		6911320	A	
	09N05	6.7	060	T	T		6911320	A	
	07P08	45.9T	065	L	.		6911302	A	
PRXAND/0									
6911350	19L47	.9	010	S	I		6911352	A	
	20L41	3.8	020	S	B		6911350	A	
	25L20	.5	030	L	.		1005502	A	
	26L20	.5	040	L	.		1025502	A	
	27L20	.5	050	L	.		1045502	A	
	28L20	.5	060	L	.		1065502	A	
	29L20	6.8	070	L	.		1005481	A	
	30M33	13.5T	075	T	T		6911350	A	
PRXAND/1A									
6911360	19L06	.3	010	S	I		6911360	A	
	19L10	2.6	020	S	I		6911362	A	
	20L37	.3	030	L	.		6911370	A	
	20L38	6.4	040	L	.		6911350	A	
	25M20	.5	050	L	.		1085502	A	
	26M20	2.0	060	L	.		1105502	A	
	22M20	12.1T	065	T	T		6911360	A	
PRXAND/1B									
6911370	18L33	1.1	010	S	I		6911372	A	
	20L36	7.5	020	S	B		6911370	A	
	27M20	.5	030	L	.		1125502	A	
	28M20	2.2	040	L	.		1145502	A	
	30M36	11.3T	045	T	T		6911370	A	
PRXAND/2									
6911380	08N19	.4	010	S	I		6911382	A	
	08N25	6.6	020	S	I		6911380	A	
	05P20	.5	030	L	.		1225502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04P20	.5	040	L	.		1205502	A	
	03P20	.5	050	L	.		1185502	A	
	02P20	1.2	060	L	.		1165502	A	
	01P30	9.7T	065	T	T		6911380	A	
PRXAND/3									
6911390	08N17	.7	010	S	I		6911392	A	
	08N27	13.2	020	S	I		6911390	A	
	02Q20	.5	030	L	.		1245502	A	
	03Q20	.5	040	L	.		1265502	A	
	04Q20	1.0	050	L	.		1285502	A	
	06Q20	.5	060	T	T		6911390	A	
	05Q20	16.4T	065	L	.		1305502	A	
NPRXNAD									
6911500	22M09	5.3	010	T	T		6911500	A	
	19L30	1.1	020	L	.		6911572	A	
	18L38	7.7	030	L	.		6911580	A	
	10M21	5.2	040	C	C		6911500	A	
	10N21	1.0	050	C	C		6911500	A	
	08N21	5.5	060	L	.		6911590	A	
	07P14	25.8T	065	S	FF		6911500	A	
PRXNAD									
6911501	07P12	5.4	010	S	NFF		6911501	A	
	06N15	5.4T	015	L	.		2001680	A	
6911502-1	07P11	.0T	005	S	+		6911504	A	I
N(S/PRXNAD)									
6911520	11E08	.5	010	S	B		6911524	A	
	10E08	1.2	020	S	B		6911520	A	
	08E15	8.9	030	S	I		6911522	A	
	01D14	15.5	040	C	C		6911520	A	
	32N14	17.4	050	C	C		6911520	A	
	07P13	6.0	060	L	.		6911502	A	
	09N12	49.5T	065	T	T		6911520	A	
PRXNAD/0									
6911550	20L46	4.2	010	S	B		6911550	A	
	25L27	.5	020	L	.		1005500	A	
	26L27	.5	030	L	.		1025500	A	
	27L27	.5	040	L	.		1045500	A	
	28L27	.5	050	L	.		1065500	A	
	29L27	7.2	060	L	.		1005482	A	
	28K07	13.4T	065	T	T		6911550	A	
PRXNAD/1A									
6911560	20L47	6.2	010	S	B		6911560	A	
	25M27	.5	020	L	.		1085500	A	
	26M27	2.0	030	L	.		1105500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	22M27	8.7T	035	T	T		6911560	A	
PRXNAD/1B 6911570	19L25	1.1	010	S	I		6911570	A	
	19L36	.7	020	S	I		6911574	A	
	19L46	1.7	030	S	I		6911572	A	
	20L30	.2	040	L	.		6911550	A	
	20L31	8.4	050	L	.		6911560	A	
	27M27	.5	060	L	.		1125500	A	
	28M27	1.9	070	L	.		1145500	A	
	30M39	14.5T	075	T	T		6911570	A	
PRXNAD/2 6911580	18L35	1.1	010	S	I		6911580	A	
	19L27	.6	020	S	I		6911584	A	
	19L35	6.2	030	S	I		6911582	A	
	18M38	5.2	040	C	C		6911580	A	
	18N38	10.6	050	C	C		6911580	A	
	05P27	.5	060	L	.		1225500	A	
	04P27	.5	070	L	.		1205500	A	
	03P27	.5	080	L	.		1185500	A	
	02P27	1.9	090	L	.		1165500	A	
	01P42	27.1T	095	T	T		6911580	A	
PRXNAD/3 6911590	08N15	1.2	010	S	I		6911592	A	
	08N28	13.1	020	S	I		6911590	A	
	02Q27	.5	030	L	.		1245500	A	
	03Q27	.5	040	L	.		1265500	A	
	04Q27	.5	050	L	.		1285500	A	
	05Q27	.9	060	L	.		1305500	A	
	06Q18	16.7T	065	T	T		6911590	A	
NPRXNAND 6911700	08P04	8.5	010	S	FF		6911700	A	
	20N40	8.5T	015	L	.		6911790	A	
PRXNAND 6911701	06P37	.3	010	L	.		6911770	A	
	06P38	3.7	020	L	.		6911780	A	
	08P05	4.0T	025	S	NFF		6911701	A	
6911702-1	08P03	.0T	005	S	+		6911704	A	I
N(S/PRXNAND) 6911720	10E37	.2	010	S	B		6911722	A	
	10E36	11.3	020	S	B		6911720	A	
	01D13	15.5	030	C	C		6911720	A	
	32N13	18.3	040	C	C		6911720	A	
	08P24	6.5	050	L	.		6911702	A	
	09N14	51.8T	055	T	T		6911720	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-6911740
TYPE-PINLIST

464
133264
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAG
1	8	15	21	28	33	37	41	77	
PRXNAND/0									
6911740	20L26	2.5	010	S	B		6911740	A	
	25L26	.5	020	L	.		1005502	A	
	26L26	.5	030	L	.		1025502	A	
	27L26	.5	040	L	.		1045502	A	
	28L26	.5	050	L	.		1065502	A	
	29L26	5.3	060	L	.		1005482	A	
	30M19	9.8T	065	T	T		6911740	A	
PRXNAND/1A									
6911750	20L25	7.7	010	S	B		6911750	A	
	25M26	.5	020	L	.		1085502	A	
	26M26	2.0	030	L	.		1105502	A	
	22M26	10.2T	035	T	T		6911750	A	
PRXNAND/1B									
6911760	18L12	2.2	010	S	I		6911762	A	
	20L27	8.5	020	S	B		6911760	A	
	27M26	.5	030	L	.		1125502	A	
	28M26	2.3	040	L	.		1145502	A	
	30M44	13.5T	045	T	T		6911760	A	
PRXNAND/2									
6911770	06Q15	6.5	010	T	T		6911770	A	
	02P26	.5	020	L	.		1165502	A	
	03P26	.5	030	L	.		1185502	A	
	04P26	.5	040	L	.		1205502	A	
	05P26	1.2	050	L	.		1225502	A	
	06P36	9.2T	055	S	B		6911770	A	
PRXNAND/3									
6911780	06P41	6.4	010	S	B		6911780	A	
	02Q26	.5	020	L	.		1245502	A	
	03Q26	.5	030	L	.		1265502	A	
	04Q26	.5	040	L	.		1285502	A	
	05Q26	.6	050	L	.		1305502	A	
	06Q24	8.5T	055	T	T		6911780	A	
(PRXNAND+SPW)									
6911790	16L23	1.8	010	T	T		6911790	A	
	20L22	.2	020	L	.		6911760	A	
	20L23	.3	030	L	.		6911750	A	
	20L24	7.7	040	L	.		6911740	A	
	18M47	5.2	050	C	C		6911790	A	
	18N47	.8	060	C	C		6911790	A	
	20N46	16.0T	065	S	I		6911790	A	
PSW1XS									
6927000	09B06	11.0	010	S	I		6927002	A	
	16C36	5.2	020	C	C		6927000	A	
	16D36	7.5	030	C	C		6927000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	28D19	19.2	040	L	.		3078500	A	
	02E28	14.5	050	C	C		6927000	A	
	31P28	11.0	060	C	C		6927000	A	
	11P45	2.7	070	L	.		2260007	A	
	11P10	.7	080	L	.		4385002	A	
	12P11	9.1	090	L	.		2260002	A	
	19Q18	5.2	100	C	C		6927000	A	
	19R18	5.1	110	C	C		6927002	A	
	18S10	1.1	120	L	.		3800004	A	
	18S23	.2	130	L	.		6025107	A	
	18S22	.7	140	L	.		3800006	A	
	19S23	93.2T	145	T	T		6927000	A	
N(PSW1XS)									
6927010	29C46	17.4	010	S	I		6927012	A	
	09B15	.5	020	S	I		6927010	A	
	10B15	.7	030	S	I		6927014	A	
	09B14	6.8	040	L	.		6927000	A	
	07C22	5.2	050	C	C		6927010	A	
	07D22	12.5	060	C	C		6927010	A	
	08F41	1.3	070	L	.		6977100	A	
	08F23	22.9	080	L	.		4334130	A	
	32D17	21.9	090	L	.		6970104	A	
	10F23	89.2T	095	T	T		6927010	A	
PSW2XS									
6927100	29C13	13.4	010	S	I		6927100	A	
	19A42	.6	020	L	.		6927122	A	
	19A34	15.4	030	L	.		6927120	A	
	07C23	5.2	040	C	C		6927100	A	
	07D23	13.0	050	C	C		6927100	A	
	12F23	8.2	060	L	.		7395100	A	
	03E43	25.0	070	C	C		6927100	A	
	32M43	15.4	080	C	C		6927100	A	
	27K11	14.9	090	L	.		3163130	A	
	20M23	.2	100	L	.		8180207	A	
	20M22	.9	110	L	.		8180107	A	
	20M10	2.1	120	L	.		4100102	A	
	22M23	114.3T	125	T	T		6927100	A	
N(PSW2XS)									
6927110	09B11	8.8	010	S	I		6927114	A	
	16A06	16.7	020	S	I		6927110	A	
	29C02	.1	030	S	I		6927112	A	
	29C04	9.3	040	L	.		6927100	A	
	26A40	34.9T	045	T	T		6927110	A	
PSW2XS/1									
6927120	19A44	10.7	010	S	B		6927120	A	
	02A13	14.5	020	C	C		6927120	A	
	31K13	2.0	030	C	C		6927120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	B 15		21	28	33	37	41	77	
	30K33	.5	040	L	.	.	5130140	A	
	29K33	2.8	050	L	.	.	4100140	A	
	26K15	30.5T	055	L	.	.	3163140	A	
PUC18 6942180	06R23	3.0	010	T	T	.	6942180	A	
	12R23	1.5	020	L	.	.	1164907	A	
	12R43	3.7	030	L	.	.	1154907	A	
	10S06	7.9	040	S	B	.	6942182	A	
	16T02	16.1T	045	S	I	.	6942180	A	
PUC1922 6942190	06R24	3.8	010	T	T	.	6942190	A	
	13R23	1.5	020	L	.	.	1204908	A	
	13R43	9.7	030	L	.	.	1194908	A	
	16T13	15.0T	035	S	I	.	6942190	A	
NPUC20 6942200	18E05	15.4	010	S	I	.	6942200	A	
	03F41	25.0	020	C	C	.	6942200	A	
	32S41	11.0	030	C	C	.	6942200	A	
	16T11	.6	040	L	.	.	6802100	A	
	16T04	.3	050	L	.	.	6942190	A	
	16T03	12.2	060	L	.	.	6942180	A	
	13R02	3.5	070	L	.	.	1214907	A	
	06R02	68.0T	075	T	T	.	6942200	A	
NPUC22 6942220	14S06	6.4	010	S	I	.	6942220	A	
	16T08	.2	020	L	.	.	6942190	A	
	16T09	3.9	030	L	.	.	6942180	A	
	19S47	10.5T	035	T	T	.	6942220	A	
PUC25 6942250	05R35	5.4	010	S	B	.	6942250	A	
	14R23	5.4T	015	L	.	.	1234907	A	
PUC29 6942290	05R38	6.9	010	L	.	.	6942250	A	
	16R23	1.5	020	L	.	.	1264907	A	
	16R43	4.3	030	L	.	.	1264914	A	
	14S14	.3	040	L	.	.	6942220	A	
	14S18	.2	050	S	I	.	6942291	A	
	14S19	7.2	060	S	I	.	6942292	A	
	11R13	20.4T	065	S	B	.	6942290	A	
NPUC31 6942300	07E25	7.6	010	S	I	.	6942304	A	
	13D30	4.5	020	S	I	.	6942318	A	
	12E14	1.0	030	S	I	.	6942300	A	
	13E19	10.5	040	S	I	.	6942314	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
6970300	07R18	4.4	010	S	I		6970300	A	
	14R29	1.0	020	L	.		1234914	A	
	16R29	.5	030	L	.		1264914	A	
	17R29	3.4	040	L	.		1304914	A	
	20R03	9.3T	045	T	T		6970300	A	
PXINT									
6973900	20F13	10.0	010	S	B		6973900	A	
	03F33	25.0	020	C	C		6973900	A	
	32S33	2.6	030	C	C		6973900	A	
	30S11	6.8	040	L	.		2180515	A	
	17S08	8.4	050	L	.		2182003	A	
	23R06	4.9	060	L	.		2180520	A	
	17R35	.5	070	L	.		1304907	A	
	16R35	1.0	080	L	.		1264906	A	
	14R35	4.4	090	L	.		1234906	A	
	06R41	63.6T	095	T	T		6973900	A	
PXK									
6973910	32F35	15.4	010	S	I		6973910	A	
	03F24	25.0	020	C	C		6973910	A	
	32S24	5.4	030	C	C		6973910	A	
	24S03	.3	040	L	.		6974300	A	
	24S04	2.5	050	L	.		6974200	A	
	19S04	48.6T	055	T	T		6973910	A	
NPXK									
6974100	18A01	12.4	010	S	I		6974100	A	
	19C22	5.2	020	C	C		6974100	A	
	19D22	2.5	030	C	C		6974100	A	
	24D22	15.9	040	L	.		6970100	A	
	32F39	8.0	050	L	.		6973910	A	
	30E15	44.0T	055	T	T		6974100	A	
PXK-2									
6974200	06R17	2.9	010	T	T		6974200	A	
	12R18	.5	020	L	.		1154904	A	
	13R18	10.7	030	L	.		1194904	A	
	24S18	14.1T	035	S	B		6974200	A	
PXK-3									
6974300	06R21	3.9	010	T	T		6974300	A	
	14R18	1.0	020	L	.		1234904	A	
	16R18	.5	030	L	.		1264904	A	
	17R18	8.9	040	L	.		1304904	A	
	24S19	14.3T	045	S	B		6974300	A	
NPXS									
6977000	06E23	7.4	010	T	T		6977000	A	
	08F40	20.0	020	L	.		6977100	A	
	24D23	18.1	030	L	.		6970100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	08F14	11.2	040	S	I		6977032	A	
	05D23	.2	050	S	I		6977000	A	
	05D22	.1	060	S	I		6977006	A	
	05D24	6.0	070	S	I		6977014	A	
	08E14	3.9	080	S	I		6977022	A	
	13E31	66.9T	085	S	I		6977026	A	
PXS-2									
6977050	06R34	3.0	010	T	T		6977050	A	
	12R34	.5	020	L	.		1154904	A	
	13R34	8.7	030	L	.		1194904	A	
	24S05	12.2T	035	S	B		6977050	A	
PXS-3									
6977060	06R35	3.8	010	T	T		6977060	A	
	14R34	1.0	020	L	.		1234904	A	
	16R34	.5	030	L	.		1264904	A	
	17R34	7.6	040	L	.		1304904	A	
	24S17	12.9T	045	S	B		6977060	A	
PXS									
6977100	20A13	3.5	010	T	T		6977100	A	
	27A13	13.8	020	L	.		2840904	A	
	31C31	5.2	030	C	C		6977100	A	
	31D31	23.4	040	C	C		6977100	A	
	08F46	4.7	050	S	I		6977100	A	
	03F15	25.0	060	C	C		6977100	A	
	32S15	5.0	070	C	C		6977100	A	
	24S01	.3	080	L	.		6977060	A	
	24S02	2.8	090	L	.		6977050	A	
	19S06	83.7T	095	T	T		6977100	A	
PXSXB									
6977200	28C47	11.2	010	S	B		6977200	A	
	23B01	4.6	020	L	.		6196312	C	
	20B43	6.8	030	L	.		2841058	A	
	15C31	5.2	040	C	C		6977200	A	
	15D31	3.8	050	C	C		6977200	A	
	09D38	8.0	060	L	.		7900450	A	
	13E47	6.6	070	L	.		6977028	A	
	12D35	46.2T	075	T	T		6977200	A	
PXTR									
6977300	24D46	18.5	010	S	B		6977300	A	
	03F17	25.0	020	C	C		6977300	A	
	32S17	12.9	030	C	C		6977300	A	
	17R15	.5	040	L	.		1304908	A	
	16R15	1.3	050	L	.		1264906	A	
	14R11	4.0	060	L	.		1254906	A	
	06R11	62.2T	065	T	T		6977300	A	



DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-7300100
 TYPE-PINLIST

470
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
R0 7300100	25R11	.0T	005	S	B		7300100	A	I
NR01 7300110	25R43 30S22	6.0 6.0T	010 015	S L	I .		7300110 4155000	A A	
R10 7300120	30R11	.0T	005	S	B		7300120	A	I
NR1011 7300130	30R43 20S30 30S42	9.5 5.9 15.4T	010 020 025	S L L	I . .		7300130 1070850 4151002	A A A	
R12 7300140	31R11	.0T	005	S	B		7300140	A	I
NR1213 7300150	31R43 30S40	5.8 5.8T	010 015	S L	I .		7300150 4154002	A A	
NR1315 7300160	32R01 31R01 20S42 20R38	.5 14.1 5.5 20.1T	008 010 020 025	S S L T	I I . T		7300162 7300160 1082650 7300160	F A A A	
NR1357 7300170	25R01 26R01 27R01 28R01 20S04 20R37	.5 .5 .5 9.7 3.0 14.2T	010 020 030 040 050 055	S S S S L T	I I I I . T		7300170 7300171 7300172 7300173 1084600 7300170	A A A A A A	
R14 7300180	32R11	.0T	005	S	B		7300180	A	I
NR1415 7300190	32R43 20S43 30S41	11.2 5.1 16.3T	010 020 025	S L L	I . .		7300190 1072650 4154002	A A A	
R2 7300200	26R11	.0T	005	S	B		7300200	A	I
NR23 7300210	26R43 30S03 30S23	4.2 1.5 5.7T	010 020 025	S L L	I . .		7300210 1074600 4155000	A A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
7335800	04C23	13.5	010	S	B		7335800	A	
	01A04	15.5	020	C	C		7335800	A	
	32K04	15.0	030	C	C		7335800	A	
	23M04	.9	040	L	.		1286209	A	
	22M13	44.9T	045	T	T		7335800	A	
RDXMFI									
7339500	21F33	2.8	010	S	B		7339500	A	
	19F10	18.2	020	L	.		2404430	A	
	03D14	5.2	030	C	C		7339500	A	
	03C14	10.8	040	C	C		7339500	A	
	13B06	14.6	050	L	.		7430120	A	
	28C29	51.6T	055	L	.		6075460	A	
REN-1									
7342000	26N04	14.0	010	S	B		7342000	A	
	24Q41	5.2	020	C	C		7342000	A	
	24R41	1.0	030	C	C		7342000	A	
	26R41	.5	040	L	.		1022584	A	
	27R41	.5	050	L	.		1042584	A	
	28R41	6.7	060	L	.		1062584	A	
	24S30	2.4	070	L	.		7342010	A	
	27S41	30.3T	075	T	T		7342000	A	
REN-2									
7342010	20R35	4.9	010	T	T		7342010	A	
	29R41	.5	020	L	.		1082584	A	
	30R41	.5	030	L	.		1102584	A	
	31R41	.5	040	L	.		1122584	A	
	32R41	9.9	050	L	.		1142584	A	
	24S46	16.3T	055	S	B		7342010	A	
RESET									
7343000	05C28	1.4	010	S	I		7343000	A	
	05C13	13.2	020	L	.		3202704	A	
	20B07	10.5	030	L	.		8065417	A	
	28C26	4.4	040	L	.		6075460	A	
	19C29	5.2	050	C	C		7343000	A	
	19D29	11.2	060	C	C		7343000	A	
	22F19	3.7	065	L	.		6227002	C	
	23E42	13.4	065	L	.		7343230	C	
	04F24	8.2	070	L	.		3907100	A	
	07E04	3.5	080	L	.		6832430	A	
	06E44	74.7T	085	T	T		7343000	A	
RESET-2									
7343050	14T27	8.8	010	S	I		7343050	F	
	24S42	.2	020	L	.		7343112	A	
	24S43	8.6	030	L	.		7343110	A	
	31R45	.5	040	L	.		1122666	A	
	32R45	17.9	050	L	.		1142666	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	15T31	.6	060	L	.		3107015	A	
	15T39	9.5	070	L	.		4392640	A	
	19S09	46.1T	075	T	T		7343050	A	
NRESET 7343100	06C33	12.6	010	S	I		7343104	A	
	19B21	4.8	015	L	.		5138970	C	
	28B17	1.0	020	S	B		7343100	T	
	28B03	6.0	040	L	.		7343120	A	
	29C08	10.9	050	L	.		6927100	A	
	24A36	4.5	060	L	.		5138902	A	
	19A07	10.6	065	L	.		3567000	N	
	09B08	7.4	070	L	.		6927000	A	
	06C21	.5	080	L	.		7343170	A	
	05C21	.6	090	L	.		7343000	A	
	06C24	1.4	100	L	.		5159825	A	
	08C30	.9	110	L	.		7343140	A	
	08C41	.5	120	L	.		6832220	A	
	09C41	61.7T	125	T	T		7343100	A	
RESET-1 7343110	28P03	5.3	010	T	T		7343110	X	
	30N12	2.2	020	L	.		3298600	X	
	26N07	3.3	030	L	.		7342000	X	
	23N31	10.3	040	L	.		8010564	X	
	24Q24	5.2	050	C	C		7343110	X	
	24R24	2.2	060	C	C		7343110	X	
	25R45	.5	070	L	*		1002666	X	
	26R45	.5	080	L	.		1022666	X	
	27R45	.5	090	L	.		1042666	X	
	28R45	.5	100	L	.		1062666	X	
	29R45	.5	110	L	.		1082666	X	
	30R45	8.2	120	L	.		1102666	X	
	24S45	.2	130	S	B		7343110	X	
	24S44	39.4T	140	S	B		7343112	X	
NRESET-1 7343120	28B19	8.8	010	S	B		7343120	A	
	23C30	5.2	015	C	C		7343120	C	
	23D30	.6	030	C	C		7343120	A	
	24D28	14.2	035	L	.		6970100	C	
	19F44	7.1	050	L	.		2240150	A	
	08F22	3.2	060	L	.		4334130	A	
	03F12	25.0	070	C	C		7343120	A	
	32S12	15.0	080	C	C		7343120	A	
	14T22	12.0	090	L	.		7343050	F	
	25S09	9.6	100	L	.		7343225	A	
	16T07	14.3	110	L	.		3846025	A	
	03R44	1.7	120	L	.		3315124	A	
	06R45	116.7T	125	T	T		7343120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
RESET/A 7343140	08C15	3.3	010	S	I		7343140	A	
	03C06	5.2	060	C	C		7343140	A	
	03D06	14.1	070	C	C		7343140	A	
	28D28	.4	090	L	.		7890320	A	
	28D34	3.0	100	L	.		7890135	A	
	27E01	3.0	110	L	.		7890827	A	
	27E38	4.2	115	L	.		7343145	H	
	29F09	1.0	120	L	.		7890407	A	
	29F23	1.5	130	L	.		7890707	A	
	29F40	.5	140	L	.		7890507	A	
	29F45	3.0	150	L	.		7890207	A	
	23F45	1.6	180	L	.		5150708	A	
	25F37	1.3	190	L	.		5156402	A	
	25F19	.3	200	L	.		5150502	A	
	25F15	.6	203	L	.		5154007	C	
	26F18	43.0T	205	T	T		7343140	A	
NRESET/A 7343145	27E41	6.3	005	S	I		7343145	H	
	15E38	4.2	025	L	.		7890612	H	
	22E28	10.5T	045	T	T		7343145	H	
NRESET/A-1 7343150	05C18	1.2	010	S	I		7343150	A	
	07C19	5.2	020	C	C		7343150	A	
	07D19	14.4	030	C	C		7343150	A	
	17F06	7.0	040	L	.		7861000	A	
	30F11	2.4	060	L	.		7891302	A	
	30F40	2.1	070	L	.		7891102	A	
	26F45	32.3T	075	T	T		7343150	A	
(NRESET10.NFAST) 7343160	18A45	6.0	010	S	I		7343160	B	
	11A11	12.8	020	S	I		7343162	B	
	08C18	16.0	030	L	.		7343140	B	
	20A24	34.8T	040	T	T		7343160	B	
RESET/A-1 7343170	06C14	1.2	010	S	I		7343170	B	
	05C04	18.9	020	L	.		7343150	B	
	23A15	.4	030	L	.		4324686	B	
	23A09	2.8	040	L	.		4324696	B	
	26A28	23.3T	050	T	T		7343170	B	
RESET/B 7343200	19A47	.7	010	S	B		7343202	A	
	18A46	4.8	020	S	I		7343200	A	
	18B40	8.8	030	L	.		7343221	A	
	06C08	1.4	050	L	.		7987100	A	
	06C25	15.7T	055	L	.		7343104	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
N(RESET/B.NIOCON.NMRC)									
7343221	18B23	7.2	010	S	I		7343221	A	
	17A03	16.9	020	L	.		7343223	A	
	25C35	24.1T	025	T	T		7343221	A	
NRESET/C									
7343223	17A02	13.6	010	S	B		7343223	A	
	20C24	6.6	020	L	.		7343300	A	
	31C13	5.2	030	C	C		7343223	A	
	31D13	10.5	040	C	C		7343223	A	
	32F08	7.4	050	L	.		1264930	A	
	18F17	.9	060	L	.		1314932	A	
	18F06	13.7	070	L	.		1314932	A	
	08D30	57.9T	075	L	.		7901530	A	
NRESET/F									
7343225	25S02	3.0	010	S	B		7343225	A	
	21S19	1.8	020	L	.		3840100	A	
	21S40	4.8T	025	L	.		3240102	A	
RESET/KS									
7343230	30A23	17.2	010	L	.		6821205	A	
	19C39	5.2	020	C	C		7343230	A	
	19D39	7.8	030	C	C		7343230	A	
	23E47	4.2	040	S	B		7343230	A	
	20E11	13.1	050	L	.		7563500	A	
	03F03	25.0	060	C	C		7343230	A	
	32S03	10.7	070	C	C		7343230	A	
	16S39	3.2	080	L	.		6190255	A	
	19S12	86.4T	085	T	T		7343230	A	
RESET10									
7343255	06C46	15.5	010	S	I		7343255	A	
	11A12	15.0	015	L	.		7343162	B	
	07C46	5.2	020	C	C		7343256	A	
	07D46	7.8	030	C	C		7343256	A	
	06F04	3.0	040	L	.		7362530	F	
	06F43	8.4	050	L	.		7412500	A	
	22F37	3.0	060	L	.		5150707	A	
	25F17	15.5	070	L	.		5154202	A	
	07E02	3.8	080	L	.		6832434	A	
	03E26	25.0	090	C	C		7343256	A	
	32M26	10.3	100	C	C		7343256	A	
	14M44	5.2	110	C	C		7343255	A	
	14N44	9.2	120	C	C		7343255	A	
	24P30	2.3	130	L	.		1531520	A	
	28P29	129.2T	135	T	T		7343256	A	
NRESET10									
7343257	17A13	8.1	010	S	B		7343257	A	
	18B46	9.2	020	L	.		8291000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		06C23	.3	040	L	.	5159825	A	
		06C20	17.6T	045	L	.	7343170	A	
RESET/C 7343300		20C26	6.3	010	S	I	7343300	A	
		20B15	7.9	020	L	.	2841052	A	
		23C31	5.2	030	C	C	7343302	A	
		23D31	17.1	040	C	C	7343302	A	
		12F42	18.8	050	L	.	1314930	A	
		01D04	15.5	060	C	C	7343300	A	
		32N04	5.6	070	C	C	7343300	A	
		21N09	12.2	080	L	.	1061350	A	
		24Q14	5.2	090	C	C	7343300	A	
		24R14	7.8	100	C	C	7343300	A	
		17S05	1.0	110	L	.	1294910	A	
		19S05	102.6T	115	T	T	7343300	A	
NRESIO 7343350		06C15	2.1	010	S	I	7343350	A	
		06C40	18.7	020	L	.	7343255	A	
		17A04	2.5	030	L	.	7343257	A	
		12A04	23.3T	035	T	T	7343350	A	
NRESIPH10 7343370		06C45	1.4	010	S	I	7343370	A	
		06C28	1.8	020	L	.	5159825	A	
		09C27	3.2T	025	T	T	7343370	A	
REU. 7344100		19N42	.5	010	T	T	7344100	A	
		20N42	5.5	020	L	.	8010562	A	
		19P43	.3	030	L	.	8010756	A	
		19P44	4.5	040	L	.	8010758	A	
		21P01	10.8T	045	S	I	7344100	A	
R10 7362500		07F38	.0T	005	S	-BCR	7362500	A	I
7362530-1		06F18	1.6	010	S	B	7362530	F	
		05F37	1.6T	015	L	*	7362530	A	
RPXS 7395100		12F02	2.5	010	S	B	7395100	A	
		08F13	5.5	020	S	I	7395102	A	
		02F47	14.5	030	C	C	7395100	A	
		31Q47	11.6	040	C	C	7395100	A	
		08Q45	.2	050	L	.	1246210	A	
		08Q44	.3	060	L	.	1256210	A	
		08Q40	.1	070	L	.	1266210	A	
		08Q38	.1	080	L	.	1276210	A	
		08Q36	6.2	090	L	.	1246204	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		17Q17	41.0T	095	T	T	7395100	A	
RQBZC									
7400100	30S15	2.6	010	S	I		7400100	A	
	26S23	2.6T	015	L	*		5073550	A	
RQBZI									
7400150	30S14	1.3	010	S	I		7400150	A	
	31S23	1.3T	015	L	*		5073525	A	
RQBZO									
7400200	28N06	1.5	020	S	I		7400200	A	
	27N23	1.5T	025	L	*		5073520	A	
RQBZP									
7400210	14T05	33.5	010	S	I		7400210	V	
	32N24	15.5	020	C	C	11	7400210	V	
	01D24	13.7	030	C	C		7400210	A	
	20E09	7.0	040	L	.		7563500	A	
	26D22	69.7T	045	T	T		7400210	A	
RRWXS/0									
7408000	16L29	1.0	010	T	T		7408000	A	
	14L29	1.8	020	L	.		1006330	A	
	14L50	3.7	030	L	.		1046330	A	
	15L11	.8	040	S	I		7408002	A	
	15L18	7.3T	045	S	I		7408000	A	
RRWXS/1									
7408100	16L19	1.3	010	T	T		7408100	A	
	14L20	1.1	020	L	.		1106330	A	
	14L33	1.8	030	L	.		1126330	A	
	15L15	1.1	040	S	I		7408102	A	
	15L26	5.3T	045	S	I		7408100	A	
RRWXS/2									
7408200	11S20	1.0	010	T	T		7408200	A	
	13S20	.8	020	L	.		1166330	A	
	13S29	.7	030	L	.		1206330	A	
	14S34	2.5T	035	S	I		7408200	A	
RRWXS/3									
7408202	11S33	1.0	010	T	T		7408202	A	
	13S33	1.5	020	L	.		1246330	A	
	13S50	1.0	030	L	.		1286330	A	
	14S47	3.5T	035	S	I		7408202	A	
RS									
7410100	10L27	10.6	010	S	-BCR		7410100	A	
	01M39	21.0	020	C	C		7410100	A	
	01R39	2.9	030	C	C		7410100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	07R40	12.3	040	L	.		7410110	A	
	22S33	6.3	050	L	.		3240110	A	
	20R34	53.1T	055	T	T		7410100	A	
NRS									
7410110	07R34	13.8	010	S	I		7410110	A	
	18T03	9.2	020	L	.		7410208	A	
	20R33	23.0T	025	T	T		7410110	A	
RSA									
7410200	10F33	2.1	010	T	T		7410200	A	
	06F31	3.3	020	L	.		7410238	A	
	03F08	25.0	030	C	C		7410200	A	
	32S08	12.2	040	C	C		7410200	A	
	18T08	42.6T	045	S	FF		7410200	A	
NRSA									
7410201	03R08	14.9	010	L	.		7410815	A	
	22S10	6.9	020	L	.		3240104	A	
	18T09	21.8T	025	S	NFF		7410201	A	
(S/RSA)									
7410220	25E31	17.2	010	S	I		7410220	A	
	03F40	25.0	020	C	C		7410220	A	
	32S40	9.9	030	C	C		7410220	A	
	18T13	4.2	040	L	.		7410202	A	
	19S33	56.3T	045	T	T		7410220	A	
N(S/RSA)									
7410230	25E29	.3	010	S	I		7410234	A	
	25E30	.3T	015	S	I		7410230	A	
7410238-1	06F47	4.8	010	S	B		7410238	A	
	09F03	4.8T	015	L	*		7410238	A	
RSACLEN									
7410240	18S33	3.6	010	S	FF		7410240	A	
	22S11	3.6T	015	L	.		3240104	A	
NRSACLEN									
7410241	18S34	3.9	010	S	NFF		7410241	A	
	22S08	3.9T	015	L	.		3240104	A	
7410242-1	18S39	.0T	005	S	+		7410242	A	I
(S/RSACLEN)									
7410270	25D31	22.0	010	S	I		7410270	A	
	03F34	25.0	020	C	C		7410270	A	
	32S34	6.8	030	C	C		7410270	A	
	18S35	.8	040	L	.		7410242	A	
	19S31	54.6T	045	T	T		7410270	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
N(S/RSACLEN)									
7410280	25D30	.0T	005	S	I		7410280	A	I
RSACLEN									
7410800	08C50	2.2	010	T	T		7410800	A	
	05C40	1.2	020	L	.		7410810	A	
	03C35	5.2	030	C	C		7410800	A	
	03D35	3.7	040	C	C		7410800	A	
	09D22	.6	050	L	.		6825340	A	
	09D29	.1	060	L	.		6942402	A	
	09D31	12.6	070	L	.		6942400	A	
	03F19	25.0	080	C	C		7410800	A	
	32S19	21.0	090	C	C		7410800	A	
	03R04	14.9	100	L	.		7410815	A	
	18S31	86.5T	105	S	FF		7410800	A	
NRSCLEN									
7410801	18S26	3.2	010	S	NFF		7410801	A	
	22S42	3.2T	015	L	.		3240110	A	
7410802-1	18S46	.0T	005	S	+		7410802	A	I
(S/RSACLEN)									
7410804	32F34	14.3	010	S	I		7410804	A	
	03F35	25.0	020	C	C		7410804	A	
	32S35	7.6	030	C	C		7410804	A	
	18S43	1.5	040	L	.		7410802	A	
	19S29	48.4T	045	T	T		7410804	A	
NRSCLEN-1									
7410810	05C34	13.0	010	S	I		7410810	A	
	07A17	13.2	020	L	.		3405162	A	
	08C47	26.2T	025	T	T		7410810	A	
(RSACLEN.NRSA)									
7410815	03R13	16.2	010	S	B		7410815	A	
	22S34	16.2T	015	L	.		3240110	A	
N(S/RSACLEN)									
7410830	25D01	8.8	010	S	I		7410832	A	
	27E35	8.0	020	S	I		7410830	A	
	32F40	3.2	030	L	.		7410804	A	
	26F47	20.0T	035	T	T		7410830	A	
7412500-1	06F45	4.4	010	S	B		7412500	A	
	09F02	4.4T	015	L	*		7412500	A	
RTC									
7415010	31N20	13.8	010	S	-BCR		7415010	A	
	05N07	5.2	020	C	C		7415010	A	
	05M07	9.8	030	C	C		7415010	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	03K29	.3	040	L	*		3283050	A	
	03K30	.4	050	L	*		3281050	A	
	03K36	29.5T	055	L	*		3282050	A	
RT09									
7417500	26E14	1.8	010	S	I		7417500	A	
	25E35	.6	020	L	.		7890746	A	
	25E27	3.0	030	L	.		7890826	A	
	29E10	8.5	040	L	.		7890440	A	
	31F40	2.7	050	L	.		7417512	A	
	26F35	16.6T	055	T	T		7417500	A	
NRT09									
7417512	16B08	.3	010	T	T		7417512	A	
	15B09	7.2	020	L	.		7430200	A	
	16C30	5.2	030	C	C		7417512	A	
	16D30	5.6	040	C	C		7417512	A	
	17E27	7.2	050	L	.		7900475	A	
	25D50	2.5	060	L	.		7410282	A	
	26E05	4.1	070	L	.		2844150	A	
	25E50	7.0	080	L	.		7410230	A	
	31F34	39.1T	085	S	I		7417512	A	
RUC31									
7421000	04C30	13.6	010	S	B		7421000	A	
	01A07	15.5	020	C	C		7421000	A	
	32K07	16.2	030	C	C		7421000	A	
	23M23	1.5	040	L	.		1296208	A	
	23M43	.7	050	L	.		1296208	A	
	22M42	47.5T	055	T	T		7421000	A	
RUN/L-1									
7421400	32B45	14.8	010	S	B		7421400	A	
	15A31	14.8T	015	L	.		7421425	A	
RW									
7430100	01Q05	1.5	010	L	.		7430114	F	
	01Q25	13.0	020	L	.		7430112	F	
	19P38	.3	030	L	.		8010756	F	
	19P42	8.6	040	L	.		8010754	F	
	08Q14	23.4T	045	S	FF		7430100	F	
NRW									
7430101	08Q12	14.2	010	S	NFF		7430101	F	
	15N13	14.2T	020	L	.		8010560	F	
7430102-1	08Q11	.0T	005	S	+		7430102	A	I
NRW-2									
7430112	01Q33	22.7	010	S	I		7430112	F	
	24N20	5.2	020	C	C		7430112	F	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
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1	8	15	21	28	33	37	41	77	
	24M20	8.9	030	C	C		7430112	F	
	18L09	1.9	040	L	.		5153283	N	
	16L18	.6	050	T	T		7430112	F	
	15L20	.8	060	L	.		7408000	F	
	15L29	40.1T	070	L	.		7408100	F	
NRW-1 7430114	01Q12	25.3	010	S	I		7430114	F	
	30N08	17.7	020	L	.		4321150	A	
	19Q35	5.2	030	C	C		7430114	A	
	19R35	7.6	040	C	C		7430114	A	
	14S33	1.5	050	L	.		7408200	A	
	14S50	2.7	060	L	.		7408202	A	
	11S34	60.0T	065	T	T		7430114	A	
(S/RW/1) 7430116	21P36	10.5	010	S	I		7430116	A	
	08Q20	1.1	020	L	.		7430102	A	
	06Q17	11.6T	025	T	T		7430116	A	
N(S/RW) 7430120	27B12	7.2	010	S	I		7430158	A	
	14B22	.4	020	S	I		7430132	A	
	13B25	.1	030	S	I		7430126	A	
	13B23	.5	040	S	I		7430120	A	
	12B23	.8	050	S	I		7430140	A	
	12B30	5.6	060	S	I		7430144	A	
	12C33	1.2	070	S	B		7430150	A	
	13C44	.2	080	S	I		7430154	A	
	13C45	.3	090	S	I		7430152	A	
	13C46	9.2	100	S	I		7430156	A	
	01C01	31.2	110	C	C		7430160	A	
	32Q01	7.6	120	C	C		7430160	A	
	21P44	.8	130	L	.		7430116	A	
	22P47	65.1T	135	T	T		7430160	A	
N(S/RW/2) 7430200	27B35	2.6	010	S	I		7430204	A	
	27B02	5.9	020	S	I		7430206	A	
	15B01	8.7	030	S	I		7430200	A	
	12C24	.1	040	L	.		5153302	A	
	12C26	1.4	050	L	.		7430150	A	
	09C25	18.7T	055	T	T		7430200	A	
N(S/RW/3) 7430300	15B47	3.5	010	S	I		7430300	A	
	13C11	.2	020	S	I		7430304	A	
	13C10	1.2	030	S	I		7430306	A	
	12C23	.1	040	L	.		5153302	A	
	12C25	2.0	050	L	.		7430150	A	
	08C25	.3	060	L	.		1092655	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	09C24	7.3T	065	T	T		7430300	A	
N(S/RW/4)									
7430400	12B14	5.9	010	S	I		7430400	A	
	13C15	.1	020	S	I		7430404	A	
	13C17	1.2	030	S	I		7430406	A	
	12C27	.5	040	L	.		7430150	A	
	12C22	3.1	050	L	.		5153302	A	
	08C05	.5	060	L	.		1082655	A	
	09C05	11.3T	065	T	T		7430400	A	
N(S/RW/FP)									
7430408	21P37	8.5	010	L	.		7430116	A	
	14N42	5.2	020	C	C		7430408	A	
	14M42	14.4	030	C	C		7430408	A	
	31L37	.9	040	T	T		7430408	A	
	32L44	29.0T	045	S	-NS		7430408	A	
RW80									
7430510	09K42	2.7	010	T	T		7430510	A	
	05K31	.5	020	L	.		5140100	A	
	06K31	.5	030	L	.		5140200	A	
	07K31	.5	040	L	.		5140300	A	
	08K31	.5	050	L	.		5140400	A	
	09K31	.5	060	L	.		7394000	A	
	10K31	.5	070	L	.		7394100	A	
	11K31	.5	080	L	.		7394200	A	
	12K31	5.8	090	L	.		7394300	A	
	15L19	12.0T	095	S	I		7430510	A	
RW80-1									
7430515	15L05	5.5	010	S	I		7430515	A	
	13K15	5.5T	015	L	*		7430520	A	
RW81									
7430530	15L27	5.4	010	S	I		7430530	A	
	16K31	.5	020	L	.		7394320	A	
	17K31	.5	030	L	.		7394220	A	
	18K31	.5	040	L	.		7394120	A	
	19K31	.5	050	L	.		7394020	A	
	20K31	.5	060	L	.		5140420	A	
	21K31	.5	070	L	.		5140320	A	
	22K31	.5	080	L	.		5140220	A	
	23K31	4.8	090	L	.		5140120	A	
	24L20	13.7T	095	T	T		7430530	A	
RW81-1									
7430535	15L25	6.0	010	S	I		7430535	A	
	15K15	6.0T	015	L	*		7430540	A	
RW82									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1	8	15	21	28	33	37	41	77	
7430550	06R25	13.4	010	T	T		7430550	B	
	01T31	.5	020	L	.		5140180	A	
	02T31	5.7	030	L	.		5140280	A	
	01S31	.5	040	L	.		5140140	A	
	02S31	.5	050	L	.		5140240	A	
	03S31	.5	060	L	.		5140340	A	
	04S31	.5	070	L	.		5140440	A	
	05S31	.5	080	L	.		7394040	A	
	06S31	.5	090	L	.		7394140	A	
	07S31	.5	100	L	.		7394240	A	
	08S31	3.2	110	L	.		7394340	A	
	14S36	26.3T	115	S	I		7430550	A	
RWB2-1									
7430555	14S41	4.4	010	S	I		7430555	A	
	09S15	4.4T	015	L	*		7430560	A	
RWB3									
7430570	06R20	12.5	010	T	T		7430570	B	
	03T31	.5	020	L	.		5140380	A	
	04T31	.5	030	L	.		5140480	A	
	05T31	.5	040	L	.		5140160	A	
	06T31	.5	050	L	.		5140260	A	
	07T31	.5	060	L	.		5140360	A	
	08T31	.5	070	L	.		5140460	A	
	09T31	.5	080	L	.		7394060	A	
	10T31	.5	090	L	.		7394160	A	
	11T31	.5	100	L	.		7394260	A	
	12T31	5.0	110	L	.		7394360	A	
	14S44	22.0T	115	S	I		7430570	A	
RWB3-1									
7430575	14S45	3.5	010	S	I		7430575	A	
	13T15	3.5T	015	L	*		7430580	A	
RWXS/0									
7438100	11M05	4.4	010	T	T		7438100	A	
	13L29	.8	020	L	.		1046340	A	
	13L20	1.7	030	L	.		1006340	A	
	15L10	.6	040	S	I		7438102	A	
	15L17	7.5T	045	S	I		7438100	A	
RWXS/1									
7438110	11M13	3.2	010	T	T		7438110	A	
	13L50	1.5	020	L	.		1126340	A	
	13L33	1.1	030	L	.		1106340	A	
	15L28	.4	040	S	I		7438110	A	
	15L34	6.2T	045	S	I		7438112	A	
RWXS/2									
7438120	11S19	.8	010	T	T		7438120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		10S20	.8	020	L	.	1166340	A	
		10S29	2.4	030	L	.	1206340	A	
		14S35	4.0T	035	S	I	7438120	A	
RWXS/3 7438130		11S29	.8	010	T	T	7438130	A	
		10S33	1.5	020	L	.	1246340	A	
		10S50	2.3	030	L	.	1286340	A	
		14S46	4.6T	035	S	I	7438130	A	
RWXZ/01 7439000		19A46	9.5	010	S	B	7439000	A	
		02A31	14.5	040	C	C	7439000	C	
		31K31	11.6	050	C	C	7439000	C	
		15L09	.5	060	L	.	7438102	A	
		15L12	.2	070	L	.	7408002	A	
		15L13	2.3	080	L	.	7408102	A	
		15L40	.8	090	L	.	7438112	A	
		16L43	39.4T	095	T	T	7439000	A	
RX 7439100		21B15	13.9	010	S	I	7439100	A	
		02A28	14.5	040	C	C	7439100	C	
		31K28	14.3	050	C	C	7439100	C	
		23M29	.5	060	L	.	1296210	A	
		22M29	43.2T	065	T	T	7439100	A	
RXS 7439120		11B36	9.4	010	S	I	7439120	A	
		01A45	15.5	020	C	C	7439120	A	
		32K45	14.4	030	C	C	7439120	A	
		23M34	.5	040	L	.	1286204	A	
		22M34	39.8T	045	T	T	7439120	A	
NRXS 7439140		24C45	8.9	010	S	I	7439140	A	
		21B18	6.1	020	L	.	7439100	A	
		11B37	2.5	030	L	.	7439120	A	
		06B37	17.5T	035	T	T	7439140	A	
RXC 7443100		30B06	19.7	010	S	I	7443100	A	
		01A06	15.5	020	C	C	7443100	A	
		32K06	15.9	030	C	C	7443100	A	
		23M18	.5	040	L	.	1286204	A	
		22M18	51.6T	045	T	T	7443100	A	
RZ 7471000		28D02	5.5	010	S	B	7471000	F	
		20D22	3.8	020	L	.	2844370	A	
		14D09	4.3	030	L	.	7901506	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19D33	5.2	040	C	C		7471000	A	
	19C33	2.9	050	C	C		7471000	A	
	14C39	2.9	060	L	.		2841860	A	
	20C40	8.8	070	L	.		7471020	A	
	25B26	4.7	080	L	.		2841966	A	
	25C17	38.1T	085	T	T		7471000	A	
NRZ									
7471020	20C34	4.4	010	S	I		7471020	A	
	28C28	7.2	020	L	.		6075460	A	
	27B07	5.8	030	L	.		7430158	A	
	26C04	7.0	040	L	.		7471100	A	
	32B20	10.3	050	L	.		4323356	A	
	13B07	2.1	070	L	.		7430120	A	
	12B29	5.4	080	L	.		7430144	A	
	11C25	5.2	090	C	C		7471020	A	
	11D25	1.0	100	C	C		7471020	A	
	13D25	.9	110	L	.		7900066	A	
	13D34	10.8	120	L	.		7900065	A	
	08F09	8.0	130	L	.		2020012	A	
	21F29	5.1	140	L	.		5150552	A	
	28F07	4.5	150	L	.		1080162	A	
	29E20	1.4	160	L	.		7890344	A	
	27E14	2.0	170	L	.		7900398	A	
	30E19	81.1T	175	T	T		7471020	A	
RZ/1									
7471030	21F15	13.0	010	S	B		7471030	F	
	28D24	13.0T	020	L	.		7471000	F	
(NRZ.NSW0)									
7471100	26C13	8.4	010	S	B		7471100	A	
	21B06	8.4T	015	L	.		6196300	A	
(S00-S0)									
7500100	26K04	8.7	010	S	B		7500100	A	
	18L01	7.2	020	S	I		7500102	A	
	18M24	5.2	030	C	C		7500100	A	
	18N24	15.3	040	C	C		7500100	A	
	11Q45	4.5	050	L	.		3060205	A	
	17Q25	40.9T	055	T	T		7500100	A	
S0007Z									
7500170	02L15	15.4	010	S	I		7500170	A	
	24M06	5.2	020	C	C		7500170	A	
	24N06	8.9	030	C	C		7500170	A	
	19P22	8.4	040	L	.		3060267	A	
	23N06	1.0	050	L	.		7500300	A	
	23N20	.4	060	L	.		7651000	A	
	23N26	2.0	070	L	.		7500400	A	
	19N26	41.3T	075	T	T		7500170	A	



DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-7500300
 TYPE-PINLIST

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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
N(S0016Z+S0016W)									
7500300	23N12	.2	010	S	I		7500300	A	
	23N13	18.8	020	S	I		7500302	A	
	11Q40	5.8	030	L	.		3060206	A	
	13P46	24.8T	035	T	T		7500300	A	
NS0031Z									
7500400	23N33	16.5	010	S	I		7500400	A	
	11Q33	1.2	020	L	.		3060210	A	
	10Q43	5.2	030	C	C		7500400	A	
	10R43	1.8	040	C	C		7500400	A	
	07R39	7.4	050	L	.		3278000	A	
	17S01	4.5	060	L	.		7890104	A	
	20R31	36.6T	065	T	T		7500400	A	
(S7.D10XS)									
7500740	24P18	8.0	010	S	B		7500740	A	
	18N19	5.2	020	C	C		7500740	A	
	18M19	5.5	030	C	C		7500740	A	
	07M19	2.0	040	L	.		1071512	A	
	11M19	20.7T	045	T	T		7500740	A	
S0809XP									
7500770	21F46	21.4	010	S	B		7500770	A	
	03D19	5.2	020	C	C		7500770	A	
	03C19	9.5	030	C	C		7500770	A	
	02A40	14.5	040	C	C		7500770	A	
	31K40	13.4	050	C	C		7500770	A	
	25M43	2.0	060	L	.		1086506	A	
	22M46	66.0T	065	T	T		7500770	A	
S0815Z									
7500800	02M15	11.6	010	S	I		7500800	A	
	24M07	5.2	020	C	C		7500800	A	
	24N07	.6	030	C	C		7500800	A	
	23N05	1.5	040	L	.		7500300	A	
	23N25	.3	050	L	.		7500400	A	
	23N29	6.8	060	L	.		7651000	A	
	19P23	3.8	070	L	.		3060267	A	
	12P27	1.6	080	L	.		4375134	A	
	13P44	31.4T	085	T	T		7500800	A	
(S15-S16)									
7501500	17P04	1.1	010	S	B		7501500	A	
	19P02	12.8	020	S	I		7501502	A	
	11Q50	6.9	030	L	.		3060204	A	
	13P45	20.8T	035	T	T		7501500	A	
(S15.D10XS)									
7501540	24P19	8.3	010	S	B		7501540	A	
	18N20	5.2	020	C	C		7501540	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	18M20	4.9	030	C	C		7501540	A	
	08M19	1.4	040	L	.		1151512	A	
	11M20	19.8T	045	T	T		7501540	A	
S1631Z 7501550	01Q10	8.0	005	L	.		7501570	C	
	16Q15	5.2	010	S	I		7501558	A	
	16P15	3.1	020	S	I		7501550	A	
	12P26	11.5	030	L	.		4375134	A	
	23N19	.6	040	L	.		7651000	A	
	23N27	1.6	050	L	.		7500400	A	
	26N22	8.9	060	L	.		3060412	A	
	30P43	8.6	080	L	.		7501600	A	
	19Q15	5.2	090	C	C		7501550	A	
	19R15	5.5	100	C	C		7501550	A	
	17S02	4.6	110	L	.		7890106	A	
	20R30	62.8T	115	T	T		7501550	A	
NS1631Z 7501570	01Q01	6.8	010	S	I		7501570	C	
	11Q25	14.4	020	L	.		3060308	A	
	28P12	21.2T	025	T	T		7501570	A	
(S1631Z.N(A16-K16)) 7501600	30P35	1.2	010	S	B		7501600	A	
	31P46	14.5	020	C	C		7501600	A	
	02E46	11.6	030	C	C		7501600	A	
	23E35	3.5	040	L	.		7890530	A	
	29E24	5.1	050	L	.		7890346	A	
	19E26	35.9T	055	T	T		7501600	A	
(S23.D10XS) 7502340	24P05	7.8	010	S	B		7502340	A	
	21Q19	3.4	020	L	.		1231512	A	
	22P46	11.2T	025	T	T		7502340	A	
(S31.D10XS) 7503140	24P17	5.9	010	S	B		7503140	A	
	25Q19	4.1	020	L	.		1311512	A	
	28P50	10.0T	025	T	T		7503140	A	
S3263Z 7503200	17P45	10.0	010	S	B		7503200	A	
	23N21	10.0T	015	L	.		7651000	A	
S161NH 7514100	12F04	14.6	010	S	B		7514100	A	
	01D21	15.5	020	C	C		7514100	A	
	32N21	13.5	030	C	C		7514100	A	
	08N02	2.6	040	L	.		1166508	A	
	09N30	46.2T	045	T	T		7514100	B	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. - 7514500
 TYPE-PINLIST

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 133264AC
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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
S31INH 7514500	11E07 01D19 32N19 08N04 09N22	9.3 15.5 13.2 1.8 39.8T	010 020 030 040 045	S C C L T	B C C . T		7514500 7514500 7514500 1316508 7514500	A A A A A	
SC 7560100	08L40 32M28 03E28 11E04 26F34	16.3 25.0 5.8 15.0 62.1T	010 020 030 040 045	S C C L T	-BCR C C . T		7560100 7560100 7560100 5158130 7560100	A A A B A	
SC1 7561000	17T14 17T42	2.1 2.1T	010 015	S L	FF .		7561000 7561202	E A	
NSC1 7561001	16T19 16T18 17T12 17T40 24S14	.2 .9 2.1 10.7 13.9T	010 020 030 040 045	L L S L L	. . NFF . .		3690105 4392630 7561001 7561207 7561015	A A E A A	
7561002-1	17S13 17T11	5.1 5.1T	010 015	S S	+ +		7561004 7561002	A E	
(R/SC1) 7561008	15T47 17T15	3.4 3.4T	010 015	S L	B .		7561008 7561007	A E	
(S/SC1/1) 7561015	24S06 17T20 16T47	9.8 2.2 12.0T	010 020 025	S L T	B . T		7561015 7561002 7561015	A E A	
SC2 7561200	11R40 22S06 16T31 17T30	8.2 9.8 .3 18.3T	010 020 030 035	L L L S	. . . FF		7561250 7564000 4392630 7561200	A A A A	
NSC2 7561201	17T29 16T25	.8 .8T	010 015	S L	NFF .		7561201 3240114	A A	
7561202-1	17T41	.0T	005	S	+		7561202	A	1
(SC2.NCEINT) 7561250	11R46	8.3	010	S	B		7561250	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	22S14	8.3T	015	L	.		7564000	A	
NSCINH									
7563500	25D15	8.5	010	S	I		7563508	A	
	20E22	5.6	020	S	I		7563500	A	
	11E05	14.8	030	L	.		5158130	B	
	26F33	28.9T	035	T	T		7563500	A	
SCL									
7564000	22S04	.2	010	S	FB		7564000	A	
	22S05	11.3	020	L	.		7564000	A	
	16T42	1.5	030	L	.		3240116	A	
	15T28	10.2	040	L	.		7561008	A	
	27S42	23.2T	045	T	T		7564000	A	
SFT									
7627100	16B24	2.0	010	T	T		7627100	A	
	12B24	10.7	020	L	.		7430140	A	
	03C41	5.2	030	C	C		7627100	A	
	03D41	.5	040	C	C		7627100	A	
	02D41	.5	050	L	.		2405700	A	
	02D36	4.1	060	L	.		2405541	A	
	08D25	.3	070	L	.		2900690	A	
	08D22	.8	080	L	.		2900640	A	
	08D15	1.0	090	L	.		2900590	A	
	08D01	2.9	100	L	.		2405590	A	
	13D07	6.5	110	L	.		7900068	A	
	22D36	8.1	120	L	.		6041102	A	
	32E08	.9	130	L	.		4425400	A	
	32E19	.5	140	S	B		7627100	A	
	31E19	44.0T	145	S	I		7627102	A	
SGTZ									
7651000	23N01	.3	010	S	I		7651004	A	
	23N02	.9	020	S	I		7651002	A	
	23N14	3.6	030	S	I		7651000	A	
	25N47	14.6	040	S	B		7651006	J	
	13Q18	9.5	050	L	.		3060306	A	
	32Q18	31.2	060	C	C		7651000	A	
	01C18	13.0	070	C	C		7651000	A	
	24C38	14.8	080	L	.		7651050	A	
	30A20	4.2	090	L	.		6846004	A	
	29B03	92.1T	095	T	T		7651000	A	
NSGTZ									
7651050	24C41	16.2	010	S	I		7651050	A	
	30A05	2.2	020	L	.		6845904	A	
	26A04	18.4T	025	T	T		7651050	A	
7689150-1	11E17	6.1	010	S	B		7689150	A	
	09F12	6.1T	015	L	*		7689150	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
SIO SP/1									
7694100	17F36	11.9	010	S	B		7694100	A	
	16D24	5.2	020	C	C		7694100	A	
	16C24	6.9	030	C	C		7694100	A	
	15B07	.5	040	L	.		7430202	A	
	16B07	24.5T	045	T	T		7694100	A	
SPIM									
7824100	19A01	9.3	010	S	B		7824100	A	
	02A08	14.5	020	C	C		7824110	A	
	31K08	19.0	030	C	C		7824110	A	
	18M39	5.2	040	C	C		7824110	A	
	18N39	5.3	050	C	C		7824110	A	
	17P33	2.5	060	L	.		7828820	A	
	21P42	1.3	070	L	.		7829030	A	
	22P35	57.1T	075	T	T		7824110	A	
SPW									
7828800	16L07	1.1	010	T	T		7828800	A	
	18L05	1.6	020	L	.		6911762	A	
	18L27	7.7	030	L	.		6911372	A	
	14M33	5.2	040	C	C		7828800	A	
	14N33	6.8	050	C	C		7828800	A	
	11P30	22.4T	055	S	FF		7828800	A	
NSPW									
7828801	16L08	1.8	010	T	T		7828801	A	
	19L07	8.3	020	L	.		6911360	A	
	18M41	5.2	030	C	C		7828801	A	
	18N41	1.0	040	C	C		7828801	A	
	20N41	8.8	050	L	.		6911790	A	
	11P29	25.1T	055	S	NFF		7828801	A	
7828802-1	11P41	2.3	010	S	+		7828802	A	
	12P17	2.3T	015	S	+		7828804	A	
(S/SPW)									
7828820	17P44	3.1	010	S	B		7828820	A	
	11P42	3.1T	015	L	.		7828802	A	
NSPZ									
7829001	11P26	.0T	005	S	NFF		7829001	A	I
7829002-1	11P46	3.6	010	S	+		7829002	A	
	12P04	3.6T	015	S	+		7829004	A	
(S/SPZ)									
7829020	20P26	5.5	010	S	I		7829020	A	
	11P43	.9	020	L	.		7829002	A	
	13P40	6.4T	025	T	T		7829020	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
N(S/SPZ)									
7829030	10P13	7.9	010	S	I		7829032	A	
	21P45	2.2	020	S	I		7829030	A	
	20P24	1.3	030	L	.		7829020	A	
	22P23	11.4T	035	T	T		7829030	A	
(SPZ.NDIS)									
7829100	25N41	11.5	010	S	B		7829102	A	
	11P31	6.9	020	S	-CON		7829100	A	
	10N15	5.2	030	C	C		7829100	A	
	10M15	6.5	040	C	C		7829100	A	
	15L31	2.1	050	L	.		7829110	A	
	19L29	6.5	060	L	.		6911170	A	
	22M28	38.7T	065	T	T		7829100	A	
N(SPZ.NDIS)									
7829110	15L47	2.6	010	S	I		7829110	A	
	20L50	3.2	020	L	.		6911152	A	
	22M10	5.8T	025	T	T		7829110	A	
SR8									
7840080	25S33	9.1	010	S	B		7840080	A	
	29R04	9.1T	015	L	.		1082682	A	
SR9									
7840090	25S34	8.7	010	S	B		7840090	A	
	29R14	8.7T	015	L	.		1092682	A	
SR10									
7840100	25S14	8.5	010	S	B		7840100	A	
	30R04	8.5T	015	L	.		1102682	A	
SR11									
7840110	25S15	7.5	010	S	B		7840110	A	
	30R14	7.5T	015	L	.		1112682	A	
SR13									
7840130	25S35	9.5	010	S	B		7840130	A	
	31R14	6.7	020	L	.		1132682	A	
	27S11	16.2T	025	T	T		7840130	A	
SRA									
7840855	15S18	.0T	005	S	-BCR		7840855	A	1
START									
7860000	31N08	13.4	010	S	-BCR		7860000	A	
	32Q39	31.2	020	C	C		7860000	A	
	01C39	2.4	030	C	C		7860000	A	
	05C30	6.8	032	L	.		5011256	D	
	09B39	53.8T	035	L	.		7987102	C	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
STEP815									
7861000	17F08	.3	010	S	B		7861002	A	
	17F07	6.9	020	S	B		7861000	A	
	30F13	2.0	030	L	.		7891304	A	
	30F36	9.2T	035	L	.		7891104	A	
STRAP									
7869100	21A12	2.5	010	S	B		7869100	A	
	25A17	4.8	030	L	.		1296604	A	
	16A13	11.2	040	L	.		7869110	A	
	09B42	5.1	050	L	.		3202708	A	
	18B50	4.9	070	L	.		8291000	A	
	20C31	.8	080	L	.		8065427	A	
	19C28	5.2	090	C	C		7869100	A	
	19D28	10.1	100	C	C		7869100	A	
	19F21	5.1	110	L	.		4392610	A	
	22E43	49.7T	115	T	T		7869100	A	
NSTRAP									
7869110	16A15	4.6	010	S	I		7869110	A	
	25A10	9.1	020	L	.		1286604	A	
	17B08	9.2	030	L	.		8065440	A	
	09C08	22.9T	035	T	T		7869110	A	
SW0									
7890100	18S30	13.8	010	S	FF		7890100	A	
	01R27	21.0	020	C	C		7890100	A	
	01M27	9.0	030	C	C		7890100	A	
	11L43	14.1	040	L	.		3510315	A	
	24K08	3.5	050	L	.		3511100	A	
	30K13	.8	060	L	.		1020350	A	
	32K12	15.5	070	C	C		7890100	A	
	01A12	10.2	080	C	C		7890100	A	
	12B03	3.5	090	L	.		7430402	A	
	11B43	2.1	100	L	.		7890115	A	
	15B38	12.9	110	L	.		7430302	A	
	32C25	11.2	120	L	.		2841450	A	
	12C09	1.8	130	L	.		4322520	A	
	15C05	5.2	150	C	C		7890100	A	
	15D05	3.0	155	C	C		7890100	C	
	09D05	5.6	160	L	.		7900060	A	
	05D50	12.7	170	L	.		2400201	A	
	16F06	8.2	180	L	.		5151100	A	
	27F42	2.2	190	L	.		5150750	A	
	31F43	4.0	200	L	.		7890120	A	
	26F24	160.3T	205	T	T		7890100	A	
NSW0									
7890101	22P38	2.5	010	T	T		7890101	A	
	17P38	.1	020	L	.		7503200	A	
	17P40	4.6	030	L	.		7503200	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19Q17	5.2	040	C	C	7890101	A	
		19R17	6.6	050	C	C	7890101	A	
		18S29	19.0T	055	S	NFF	7890101	A	
7890102-1		17S19	2.1	010	S	+	7890104	A	
		18S41	2.1T	015	S	+	7890102	A	
NSW0-1									
7890115		11B45	8.6	010	S	I	7890115	A	
		10A08	8.7	020	L	.	1313730	A	
		12B39	3.7	030	L	.	7430142	A	
		14B03	3.8	040	L	.	7430134	A	
		19B22	3.3	050	L	.	6196408	A	
		25B25	1.4	060	L	.	2841965	A	
		27B31	4.3	065	L	.	2841980	F	
		26C08	9.1	070	L	.	7471100	A	
		14C50	7.0	080	L	.	2841350	A	
		25C33	49.9T	085	T	T	7890115	A	
NSW0-2									
7890120		31F45	13.6	010	S	I	7890120	A	
		20E07	4.6	020	L	.	3900918	A	
		26E29	2.9	030	L	.	7417500	A	
		28E03	4.8	040	L	.	3060158	C	
		28D10	11.3	050	L	.	5150730	A	
		17E18	6.2	060	L	.	3060257	A	
		17F29	1.4	070	L	.	8133500	A	
		17F44	12.5	080	L	.	8133002	A	
		13D44	5.6	090	L	.	6942322	A	
		08E19	2.6	100	L	.	7901524	A	
		04E12	.7	110	L	.	7901526	A	
		04E02	2.3	120	L	.	7901526	A	
		06E20	68.5T	125	T	T	7890120	A	
(R/SW0)									
7890135		28D44	22.2	010	S	B	7890135	A	
		03F37	25.0	020	C	C	7890135	A	
		32S37	7.5	030	C	C	7890135	A	
		18S40	1.7	040	L	.	7890107	A	
		19S27	56.4T	045	T	T	7890135	A	
(S/SW0)									
7890145		30D02	12.8	010	S	I	7890145	C	
		31F26	14.7	020	S	I	7890146	C	
		03F36	25.0	030	C	C	7890145	C	
		32S36	7.4	040	C	C	7890145	C	
		18S42	1.5	050	L	.	7890102	C	
		19S28	61.4T	055	T	T	7890145	C	
(S/SW0/NZ)									
7890155		12F46	5.9	010	S	B	7890155	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		03F25	25.0	020	C	C	7890155	A	
		32S25	8.4	030	C	C	7890155	A	
		17S14	1.0	040	L	.	7890104	A	
		19S14	40.3T	045	T	T	7890155	A	
SW1									
7890190	29B29	1.5	010	T	T		7890190	K	
	26B29	7.5	020	L	.		2841976	K	
	23A20	13.7	030	L	.		4324684	K	
	17C27	1.3	040	L	.		1306630	K	
	17C09	5.0	050	L	.		8065436	K	
	08C04	2.8	060	L	.		6691110	K	
	11C22	5.2	070	C	C		7890190	K	
	11D22	6.0	080	C	C		7890190	K	
	14E12	5.6	090	L	.		3060150	K	
	16F04	.3	100	L	.		6691100	K	
	16F03	8.3	110	L	.		6691000	K	
	29F27	14.5	115	S	FF		7890190	K	
	20D33	71.7T	125	S	I		7890195	K	
NSW1									
7890201	29F28	10.2	010	S	NFF		7890201	A	
	30D38	13.4	020	L	.		7890250	A	
	19F04	2.0	040	L	.		6691700	A	
	17F21	1.8	050	L	.		3532500	A	
	16F39	.3	060	L	.		3533100	A	
	16F40	3.9	070	L	.		3533500	A	
	08F43	8.5	090	L	.		3905534	A	
	03E34	25.0	100	C	C		7890201	A	
	32M34	13.1	110	C	C		7890201	A	
	30K12	16.3	120	L	.		1020350	A	
	06L03	9.9	130	L	.		1100350	A	
	01M28	21.0	140	C	C		7890201	A	
	01R28	11.5	150	C	C		7890201	A	
	17S03	1.6	160	L	.		7890106	A	
	19S11	138.5T	165	T	T		7890201	A	
7890202-1	29F50	.0T	005	S	+		7890202	A	I
SW1/LP									
7890225	29C15	17.2	010	S	I		7890225	A	
	15A19	1.5	020	L	.		6902158	A	
	12A19	18.7T	025	T	T		7890225	A	
(S/SW1)									
7890230	28D45	11.1	010	S	B		7890230	A	
	29F47	11.1T	015	L	.		7890202	A	
(SW1+SW4)									
7890250	30D35	8.2	010	S	I		7890250	A	
	25E38	1.6	020	L	.		7890744	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		22E36	9.8T	025	T	T	7890250	A	
SW2									
7890300	09C10	.6	010	T	T		7890300	A	
	08C08	4.2	020	L	.		6691110	A	
	14C23	.7	030	L	.		2405382	A	
	14C33	10.3	040	L	.		2841860	A	
	24B28	5.2	050	L	.		6038034	A	
	27C08	5.2	060	C	C		7890300	A	
	27D08	.9	070	C	C		7890300	A	
	28D14	1.2	085	L	.		5153440	C	
	28D29	4.0	088	L	.		7890320	F	
	22D43	4.8	090	L	.		2843850	A	
	18D05	8.6	110	L	.		3060254	A	
	02D10	17.3	120	L	.		2400210	A	
	16F08	2.6	130	L	.		6691100	A	
	16F41	7.2	140	L	.		3533500	A	
	29F31	72.8T	145	S	FF		7890300	A	
NSW2									
7890301	29F26	7.6	010	S	NFF		7890301	A	
	16F09	2.7	020	L	.		6691000	A	
	16F42	11.9	030	L	.		3533100	A	
	16D27	5.2	040	C	C		7890301	A	
	16C27	8.0	050	C	C		7890301	A	
	32C27	5.8	060	L	.		2841450	A	
	29B39	41.2T	065	T	T		7890301	A	
7890302-1	29F46	.0T	005	S	+		7890302	A	I
SW2/LP									
7890315	29C14	17.3	010	S	I		7890315	A	
	15A15	2.1	020	L	.		6902258	A	
	12A07	19.4T	025	T	T		7890315	A	
(R/SW2)									
7890320	28D47	10.6	010	S	B		7890320	A	
	29F44	10.6T	015	L	.		7890307	A	
(S/SW2)									
7890330	29E31	6.1	010	S	I		7890330	A	
	29F43	6.1	020	L	.		7890302	A	
	30E34	12.2T	025	T	T		7890330	A	
N(S/SW2)									
7890340	29E29	.3	010	S	I		7890344	A	
	29E30	.3T	015	S	I		7890340	A	
SW3									
7890400	29B14	1.5	010	T	T		7890400	A	
	26B14	2.4	020	L	.		2841976	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	26B46	9.1	030	L	.		2841172	A	
	23A13	13.9	040	L	.		4324684	A	
	17C19	.6	050	L	.		8065437	A	
	17C24	.9	060	L	.		1306630	A	
	15C23	5.2	070	C	C		7890400	A	
	15D23	13.3	080	C	C		7890400	A	
	06F01	12.5	090	L	.		5155870	A	
	18D50	5.0	100	L	.		3060350	A	
	21D07	2.1	110	L	.		8051022	A	
	25D10	2.6	120	L	.		7410834	A	
	25D43	3.4	130	L	.		7410280	A	
	25E19	1.8	140	L	.		7410236	A	
	25E43	4.3	150	L	.		7410232	A	
	29F06	78.6T	155	S	FF		7890400	A	
NSW3									
7890401	29F07	3.2	010	S	NFF		7890401	A	
	28E42	2.6	020	L	.		2844360	A	
	26E19	8.5	030	L	.		7417500	A	
	17F03	10.0	040	L	.		5156000	A	
	04E28	6.9	050	L	.		7901528	A	
	07D29	5.2	060	C	C		7890401	A	
	07C29	8.9	070	C	C		7890401	A	
	15B33	.5	080	L	.		7430302	A	
	16B33	45.8T	085	T	T		7890401	A	
(S/SW3)									
7890430	27E18	2.4	010	S	I		7890430	A	
	30E30	4.1	020	T	T		7890430	A	
	29F08	6.5T	025	L	.		7890402	A	
N(S/SW3)									
7890440	30E08	1.8	010	T	T		7890440	A	
	27E04	1.5	020	L	.		7890430	A	
	29E01	1.0	030	S	I		7890440	A	
	29E15	4.3T	035	S	I		7890448	A	
SW4									
7890500	29F30	16.9	010	S	FF		7890500	A	
	18D18	.9	020	L	.		3060450	A	
	19D12	5.2	030	C	C		7890500	A	
	19C12	19.3	040	C	C		7890500	A	
	01A13	15.5	050	C	C		7890500	A	
	32K13	9.0	060	C	C		7890500	A	
	14K13	9.3	070	L	.		1120350	A	
	06L10	7.5	080	L	.		1100352	A	
	16L44	83.6T	095	T	T		7890500	A	
NSW4									
7890501	29F29	6.7	010	S	NFF		7890501	A	
	19F08	1.9	020	L	.		6691700	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		17F20	4.5	030	L	.	3532500	A	
		14E50	11.6	040	L	.	6942404	A	
		20D09	2.1	050	L	.	5151050	A	
		24D11	5.4	060	L	.	3533150	A	
		30D43	.5	070	L	.	7890250	A	
		31D43	5.2	080	C	C	7890501	A	
		31C43	14.0	090	C	C	7890501	A	
		08C09	11.5	100	L	.	6691140	A	
		01A44	15.5	110	C	C	7890501	A	
		32K44	7.1	120	C	C	7890501	A	
		24K01	15.1	130	L	.	1020352	A	
		06L13	7.4	140	L	.	1100350	A	
		16L45	108.5T	145	T	T	7890501	A	
7890502-1	29F41	.0T	005	S	+		7890502	A	I
SW4/LP									
7890515	29C34	19.1	010	S	I		7890515	A	
	15A12	2.2	020	L	.		6902468	A	
	12A01	21.3T	025	T	T		7890515	A	
(S/SW4)									
7890530	23E24	9.6	010	S	B		7890530	A	
	29F42	12.9	020	L	.		7890502	A	
	26D30	22.5T	025	T	T		7890530	A	
SW5									
7890600	29F14	13.5	010	S	FF		7890600	A	
	18D45	13.3	020	L	.		3060352	A	
	06F03	10.8	030	L	.		5155810	A	
	11D28	5.2	040	C	C		7890600	A	
	11C28	.8	050	C	C		7890600	A	
	12C31	15.3	060	L	.		4324712	A	
	01A42	15.5	070	C	C		7890600	A	
	32K42	13.4	080	C	C		7890600	A	
	12L18	6.5	090	L	.		1130360	A	
	11M28	94.3T	095	T	T		7890600	A	
NSW5									
7890601	16B45	2.8	010	T	T		7890601	A	
	17C08	1.3	020	L	.		8065436	A	
	17C26	.5	030	L	.		1306630	A	
	16C26	5.2	040	C	C		7890601	A	
	16D26	8.3	050	C	.		7890601	A	
	07E11	9.8	060	L	.		6832432	A	
	17F05	3.1	070	L	.		5156000	A	
	17F47	8.3	080	L	.		8145000	A	
	29F12	39.3T	085	S	NFF		7890601	A	
7890602-1	29F11	.0T	005	S	+		7890602	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
I	8	15	21	28	33	37	41	77	
(R/SW5)									
7890612	15E35	10.7	010	S	I		7890612	A	
	29F15	10.2	020	L	.		7890607	A	
	26D40	20.9T	025	T	T		7890612	A	
N(R/SW5/1)									
7890615	15E36	.6	010	S	I		7890615	A	
	15E43	11.0	020	L	.		7890612	A	
	26D39	11.6T	025	T	T		7890615	A	
(S/SW5)									
7890630	27E19	5.8	010	S	I		7890630	A	
	29F13	5.4	020	L	.		7890602	A	
	30E17	11.2T	025	T	T		7890630	A	
N(S/SW5)									
7890640	25E01	1.1	010	S	I		7890640	A	
	27E03	1.9	020	L	.		7890630	A	
	30E09	3.0T	025	T	T		7890640	A	
SW6									
7890700	29F02	11.5	010	S	FF		7890700	A	
	06F02	10.6	020	L	.		5155840	A	
	11D34	5.2	030	C	C		7890700	A	
	11C34	1.1	040	C	C		7890700	A	
	12C29	14.9	050	L	.		4324714	A	
	02A37	14.5	060	C	C		7890700	A	
	31K37	12.6	070	C	C		7890700	A	
	13L12	7.9	080	L	.		4050120	A	
	11M34	78.3T	085	T	T		7890700	A	
NSW6									
7890701	09C18	4.0	010	T	T		7890701	A	
	17C18	.7	020	L	.		8065437	A	
	17C28	.4	030	L	.		1306630	A	
	16C31	5.2	040	C	C		7890701	A	
	16D31	8.8	050	C	C		7890701	A	
	17F04	7.4	060	L	.		5156000	A	
	29F21	26.5T	065	S	NFF		7890701	A	
7890702-1	29F18	.0T	005	S	+		7890702	A	I
(S/SW6)									
7890730	25E46	5.8	010	S	I		7890730	A	
	29F25	1.8	020	L	.		7890702	A	
	26F22	7.6T	025	T	T		7890730	A	
N(S/SW6)									
7890740	26E45	.3	010	S	I		7890740	A	
	26E46	.3	020	S	I		7890742	A	
	25E47	.6T	025	S	I		7890744	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
SW7									
7890800	12D01	13.7	010	T	T		7890800	A	
	11F37	13.8	020	L	.		4420543	A	
	13D02	5.4	030	L	.		3060154	A	
	06D31	10.7	040	L	.		2405492	A	
	06F30	3.0	050	L	.		4200200	A	
	11F27	2.9	060	L	.		2405336	A	
	17F28	5.8	070	L	.		7694100	A	
	17E20	8.0	080	L	.		3060258	A	
	20D07	8.0	090	L	.		7901532	A	
	25E12	.7	100	L	.		7890825	A	
	25E02	7.4	110	L	.		7890825	A	
	29F04	79.4T	115	S	FF		7890800	A	
NSW7									
7890801	25C04	2.9	010	T	T		7890801	A	
	26B42	8.6	020	L	.		2841172	A	
	19C40	5.2	030	C	C		7890801	A	
	19D40	.7	040	C	C		7890801	A	
	20D41	6.2	050	L	.		5151030	A	
	14E10	1.0	060	L	.		7904102	A	
	15E07	8.5	070	L	.		7900280	A	
	29E27	.4	080	L	.		7890848	A	
	29E33	.6	090	L	.		7890840	A	
	29E38	.9	100	L	.		7890842	A	
	28E44	4.9	110	L	.		2843856	A	
	27F37	3.4	120	L	.		7890970	A	
	29F05	43.3T	125	S	NFF		7890801	A	
7890802-1	29F03	.0T	005	S	+		7890802	A	I
(R/SW7)									
7890820	27E05	7.4	010	S	I		7890820	A	
	29F22	8.1	020	L	.		7890807	A	
	22E30	15.5T	025	T	T		7890820	A	
N(R/SW7)									
7890825	32F25	9.7	010	S	I		7890828	A	
	25E14	1.3	020	S	I		7890825	A	
	27E17	1.2	030	S	I		7890827	A	
	27E02	2.3	040	L	.		7890820	A	
	22E03	14.5T	045	T	T		7890825	A	
(S/SW7)									
7890830	29E46	3.6	010	S	I		7890830	A	
	29F24	8.2	020	L	.		7890802	A	
	22E29	11.8T	025	T	T		7890830	A	
N(S/SW7)									
7890840	29E14	2.6	010	S	I		7890846	A	
	29E47	9.4	020	S	I		7890840	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-7890840
TYPE-PINLIST

500
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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		15E15	6.0	030	S	I	7890852	A	
		09D45	18.0T	035	S	I	7890850	A	
SW8									
7890900	30F29	.3	010	S	FF		7890900	A	
	30F25	3.2	020	L	.		7891104	A	
	27F44	5.9	030	L	.		7890970	A	
	15F43	.5	040	L	.		4420540	A	
	14F43	1.0	050	L	.		5156540	A	
	13F38	1.0	060	L	.		5156543	A	
	13F24	.8	070	L	.		4322540	A	
	11F25	1.3	080	L	.		2405336	A	
	14F24	.5	090	L	.		5156740	A	
	15F24	1.3	100	L	.		5156440	A	
	17F27	17.8	110	L	.		7694100	A	
	32D26	1.0	120	L	.		4324704	A	
	31D37	5.2	130	C	C		7890900	A	
	31C37	.5	140	C	C		7890900	A	
	30C37	9.3	150	L	.		6845150	A	
	14C19	2.5	160	L	.		2405380	A	
	09C19	52.1T	165	T	T		7890900	A	
NSW8									
7890901	30F31	.0T	005	S	NFF		7890901	A	I
(SW8.NSW7)									
7890970	27F36	9.9	010	S	B		7890970	A	
	18E34	9.9T	015	L	.		2405424	A	
SW9									
7891000	30F33	16.2	010	S	FF		7891000	A	
	20D23	12.7	020	L	.		2844370	A	
	16F22	.8	030	L	.		8051028	A	
	14F23	1.7	040	L	.		5156745	A	
	14F42	1.8	050	L	.		5156545	A	
	13F23	9.7	060	L	.		4322545	A	
	05E18	.6	070	L	.		7900035	A	
	04E23	5.4	080	L	.		2402920	A	
	08D47	1.4	090	L	.		7900073	A	
	11D44	5.2	100	C	C		7891000	A	
	11C44	5.3	110	C	C		7891000	A	
	12B50	2.5	120	L	.		7430144	A	
	14B30	9.0	130	L	.		2405396	A	
	10A05	18.3	140	L	.		1313730	A	
	26C03	5.3	150	L	.		5156546	A	
	27B09	8.8	160	L	.		7430206	A	
	30C38	2.7	170	L	.		6845155	A	
	25C45	107.4T	175	T	T		7891000	A	
NSW9									
7891001	25C46	3.2	010	T	T		7891001	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		29C30	.8 020	L	.		7890225	A	
		27C31	5.2 030	C	C		7891001	A	
		27D31	8.7 040	C	C		7891001	A	
		28F01	3.5 050	L	.		7891070	A	
		30F35	21.4T 055	S	NFF		7891001	A	
SW9-F									
7891070		28F17	1.2 010	S	I		7891070	A	
		30F10	10.8 020	L	.		7891104	A	
		26D31	12.0T 025	T	T		7891070	A	
SW10									
7891100		30F37	.6 010	S	FF		7891100	A	
		30F45	1.6 020	L	.		7891102	A	
		28F50	6.0 030	L	.		1080160	A	
		28E40	4.3 040	L	.		2844358	A	
		20E44	4.1 050	L	.		2407000	A	
		19F22	2.0 060	L	.		1156350	A	
		15F22	1.1 070	L	.		5156450	A	
		14F30	.6 080	L	.		5156550	A	
		14F22	10.4 090	L	.		5156750	A	
		04E20	19.2 100	L	.		2402922	A	
		32D20	1.2 110	L	.		4324708	A	
		31D30	5.2 120	C	C		7891100	A	
		31C30	.9 130	C	C		7891100	A	
		30C39	12.4 140	L	.		6845160	A	
		15B43	2.9 150	L	.		2405400	A	
		14B11	8.9 160	L	.		7430132	A	
		27B43	5.8 170	L	.		7430204	A	
		16B44	87.2T 175	T	T		7891100	A	
NSW10									
7891101		30F39	13.3 010	S	NFF		7891101	A	
		27D21	5.2 020	C	C		7891101	A	
		27C21	1.0 030	C	C		7891101	A	
		29C21	2.8 040	L	.		7890315	A	
		25C12	22.3T 045	T	T		7891101	A	
SW11									
7891200		25C50	3.2 010	T	T		7891200	A	
		30C40	12.0 020	L	.		6845165	A	
		15B50	3.7 030	L	.		2405400	A	
		15C30	5.2 040	C	C		7891200	A	
		15D30	6.8 050	C	C		7891200	A	
		04D12	7.7 060	L	.		2400540	A	
		05E37	8.5 070	L	.		7900040	A	
		11F42	3.3 080	L	.		2405420	A	
		14F21	.7 090	L	.		5156755	A	
		14F31	8.7 100	L	.		5156555	A	
		30F18	1.8 110	L	.		7891304	A	
		30F41	61.6T 115	S	FF		7891200	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
 PROG-PNFRM LINE NO. -7891201
 TYPE-PINLIST

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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NSW11									
7891201	25C11	2.4	010	T	T		7891201	A	
	29C18	.1	020	L	.		7890225	A	
	29C20	.9	030	L	.		7890315	A	
	27C19	5.2	040	C	C		7891201	A	
	27D19	13.8	050	C	C		7891201	A	
	30F43	22.4T	055	S	NFF		7891201	A	
SW12									
7891300	30F21	11.3	010	S	FF		7891300	A	
	32D23	18.8	020	L	.		4324920	A	
	15F21	.9	030	L	.		5156463	A	
	15F30	1.9	040	L	.		4420560	A	
	15F04	.5	050	L	.		5156460	A	
	14F04	2.8	060	L	.		5156760	A	
	13F39	10.9	070	L	.		5156560	A	
	05E17	7.7	080	L	.		7900031	A	
	02D06	.8	090	L	.		2400206	A	
	03D09	5.2	100	C	C		7891300	A	
	03C09	14.5	110	C	C		7891300	A	
	30C24	8.0	120	L	.		6845170	A	
	27B05	6.9	130	L	.		7430158	A	
	25C10	90.2T	135	T	T		7891300	A	
NSW12									
7891301	30F27	12.3	010	S	NFF		7891301	A	
	27D23	5.2	020	C	C		7891301	A	
	27C23	.9	030	C	C		7891301	A	
	29C24	3.0	040	L	.		7890515	A	
	25C09	21.4T	045	T	T		7891301	A	
SW13									
7891400	30F17	9.8	010	S	FF		7891400	A	
	17E43	3.7	020	L	.		5153437	A	
	14F03	.5	030	L	.		5156765	A	
	15F03	1.5	040	L	.		5156465	A	
	15F23	2.5	050	L	.		5156467	A	
	13F43	.3	070	L	.		5156665	A	
	13F40	.5	080	L	.		5156565	A	
	13F37	1.2	090	L	.		5156567	A	
	13F22	4.0	100	L	.		4322565	A	
	08F42	23.2	110	L	.		5156568	A	
	30D23	1.7	120	L	.		6902496	A	
	27D22	5.2	130	C	C		7891400	A	
	27C22	1.7	140	C	C		7891400	A	
	30C23	7.4	150	L	.		6845175	A	
	24B36	14.5	160	L	.		2841962	A	
	06C43	1.5	170	L	.		8132100	A	
	09C43	79.2T	175	T	T		7891400	A	
NSW13									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
7891401	25C07	3.2	010	T	T		7891401	A	
	29C23	.6	020	L	.		7890515	A	
	29C31	1.1	030	L	.		7890225	A	
	27C33	5.2	040	C	C		7891401	A	
	27D33	10.9	050	C	C		7891401	A	
	30F19	21.0T	055	S	NFF		7891401	A	
SW14 7891500	30F07	4.6	010	S	FF		7891500	A	
	21F05	3.0	020	L	.		5156860	A	
	17F19	1.0	030	L	.		8133000	A	
	17F33	3.4	040	L	.		8133500	A	
	15F02	.5	050	L	.		5156470	A	
	14F02	3.5	060	L	.		5156770	A	
	13F42	1.8	070	L	.		5156670	A	
	13F21	17.2	080	L	.		4322570	A	
	27D25	5.2	090	C	C		7891500	A	
	27C25	1.4	100	C	C		7891500	A	
	30C22	7.3	110	L	.		6845180	A	
	24B34	1.0	120	L	.		2841958	A	
	22B34	49.9T	125	T	T		7891500	A	
NSW14 7891501	22B36	.5	010	T	T		7891501	A	
	21B36	8.2	020	L	.		2841554	A	
	29C22	.6	030	L	.		7890515	A	
	29C29	1.1	040	L	.		7890315	A	
	27C27	5.2	050	C	C		7891501	A	
	27D27	11.1	060	C	C		7891501	A	
	30F15	26.7T	065	S	NFF		7891501	A	
SW15 7891600	10F37	1.7	010	T	T		7891600	A	
	13F30	2.9	020	L	.		5156675	A	
	14F01	.5	030	L	.		5156775	A	
	15F01	2.7	040	L	.		5156475	A	
	16F31	9.1	050	L	.		6554100	A	
	30F03	16.9T	055	S	FF		7891600	A	
NSW15 7891601	29B37	3.7	010	T	T		7891601	A	
	29C17	.1	020	L	.		7890225	A	
	29C19	.9	030	L	.		7890315	A	
	29C28	1.1	040	L	.		7890515	A	
	27C26	5.2	050	C	C		7891601	A	
	27D26	10.5	060	C	C		7891601	A	
	30F05	21.5T	065	S	NFF		7891601	A	
SWK1 7892000	02C46	18.3	010	S	I		7892000	A	
	23B15	8.3	020	L	.		6038046	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-7892000
 TYPE-PINLIST

504
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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	16C09	5.2	030	C	C		7892000	A	
	16D09	5.2	040	C	C		7892000	A	
	25D20	7.0	050	L	.		6942310	A	
	12D11	44.0T	055	T	T		7892000	A	
NSWK1 7892002	06B46	4.4	010	T	T		7892002	A	
	02C08	1.6	020	L	.		7892010	A	
	02C30	1.0	030	L	.		7892000	A	
	02C44	.2	040	S	I		7892004	A	
	02C45	7.2T	045	S	I		7892002	A	
SWK12 7892010	02C06	1.1	010	S	I		7892010	A	
	03C13	5.2	020	C	C		7892010	A	
	03D13	7.6	030	C	C		7892010	A	
	08E11	8.2	040	L	.		2905502	A	
	20E41	7.7	050	L	.		3905408	A	
	06E31	29.8T	055	T	T		7892010	A	
SWK2 7892018	02C26	6.5	010	S	I		7892018	A	
	07B42	7.1	020	L	.		2403020	A	
	16B11	13.6T	025	T	T		7892018	A	
NSWK2 7892024	06B45	4.4	010	T	T		7892024	A	
	02C07	1.5	020	L	.		7892010	A	
	02C24	.7	030	L	.		7892018	A	
	02C34	.2	040	S	I		7892028	A	
	02C35	6.8T	045	S	I		7892024	A	
SWK3 7892038	02C41	15.4	010	S	I		7892038	A	
	23B42	.3	020	L	.		6038038	A	
	22B43	15.7T	025	T	T		7892038	A	
NSWK3 7892048	02C47	.9	010	S	I		7892048	A	
	02C36	.1	020	S	I		7892054	A	
	02C38	3.8	030	L	.		7892038	A	
	09C42	4.8T	035	T	T		7892048	A	
SWK4 7892060	23B38	14.2	010	L	.		6196322	A	
	02C18	.8	020	S	I		7892060	A	
	03C17	5.2	030	C	C		7892060	A	
	03D17	13.6	040	C	C		7892060	A	
	20E15	8.5	050	L	.		3900920	A	
	06E35	42.3T	055	T	T		7892060	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NSWK4									
7892080	06B44	4.2	010	T	T		7892080	A	
	02C04	1.7	020	L	.		7892060	A	
	02C25	.1	030	S	I		7892090	A	
	02C27	.3	040	S	I		7892100	A	
	02C28	6.3T	045	S	I		7892080	A	
SWK5									
7892120	02C15	18.6	010	S	I		7892120	A	
	18A10	13.1	020	L	.		6974100	A	
	23C12	5.2	030	C	C		7892120	A	
	23D12	.6	040	C	C		7892120	A	
	22D10	11.8	050	L	.		2904501	A	
	08E04	3.4	060	L	.		6977022	A	
	06E36	52.7T	065	T	T		7892120	A	
NSWK5									
7892130	02C10	.2	010	S	I		7892140	A	
	02C11	.1	020	S	I		7892130	A	
	02C13	5.0	030	L	.		7892120	A	
	06B43	5.3T	035	T	T		7892130	A	
SWK6									
7892150	02C17	14.5	010	S	I		7892150	A	
	10A17	16.8	020	L	.		3405150	A	
	18C50	5.8	030	L	.		2842054	A	
	25C23	37.1T	035	T	T		7892150	A	
NSWK6									
7892160	06B42	3.9	010	T	T		7892160	A	
	02C01	.3	020	L	.		7892150	A	
	02C05	1.0	030	S	I		7892170	A	
	02C19	5.2T	035	S	I		7892160	A	
(S/SX/FL1)									
7900020	04C22	6.9	010	S	B		7900020	A	
	15C07	5.2	020	C	C		7900020	A	
	15D07	.7	030	C	C		7900020	A	
	14D06	12.3	040	L	.		7900052	A	
	04E34	1.3	050	L	.		7904000	A	
	06E38	26.4T	055	T	T		7900020	A	
N(S/SXA)									
7900030	29D15	8.1	020	S	B		7900072	A	
	14D23	.3	040	S	I		7900050	A	
	14D24	.2	050	S	I		7900055	A	
	14D25	.6	060	S	I		7900045	A	
	13D23	.2	070	S	I		7900064	A	
	13D22	4.7	080	S	I		7900068	A	
	04D29	3.5	090	S	I		7900076	A	
	09D12	2.2	100	S	I		7900060	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	08D39	5.5	110	S	I		7900073	A	
	05E23	.1	120	S	I		7900035	A	
	05E25	.2	130	S	I		7900030	A	
	05E24	1.4	140	S	I		7900040	A	
	04E36	3.4	150	L	.		7904002	A	
	10E42	.6	160	L	.		6911322	A	
	11E44	4.7	170	L	.		6911127	A	
	15F10	5.9	180	S	B		7900078	A	
	16E11	41.6T	185	T	T		7900030	A	
N(S/SXA/1)									
7900080	06E42	2.2	010	T	T		7900080	A	
	10E43	.6	020	L	.		6911322	A	
	11E45	4.6	030	L	.		6911128	A	
	02E47	14.5	040	C	C		7900080	A	
	31P47	11.1	050	C	C		7900080	A	
	10P40	12.4	060	L	.		7900400	A	
	20N15	.2	070	S	I		7900080	A	
	20N14	45.6T	075	S	I		7900082	A	
SXADD-0A									
7900100	20L28	4.1	010	S	B		7900100	A	
	25L50	.5	020	L	.		1006500	A	
	26L50	1.5	030	L	.		1026500	A	
	29L50	4.0	040	L	.		1006480	A	
	24L30	10.1T	045	T	T		7900100	A	
SXADD-0B									
7900105	20L18	5.9	010	S	B		7900105	A	
	27L50	.5	020	L	.		1046502	A	
	28L50	3.4	030	L	.		1066500	A	
	24L29	9.8T	035	T	T		7900105	A	
SXADD-1A									
7900110	20L19	9.9	010	S	B		7900110	A	
	25M50	.5	020	L	.		1086502	A	
	26M50	2.0	030	L	.		1106500	A	
	22M50	12.4T	035	T	T		7900110	A	
SXADD-1B									
7900115	20L05	12.0	010	S	B		7900115	A	
	27M50	.5	020	L	.		1126502	A	
	28M50	1.3	030	L	.		1146502	A	
	30M46	13.8T	035	T	T		7900115	A	
SXADD-2A									
7900120	19N02	17.3	010	T	T		7900120	B	
	02P50	.5	020	L	.		1166502	A	
	03P50	2.9	030	L	.		1186502	A	
	06P35	20.7T	035	S	B		7900120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
SXADD-2B									
7900125	19N01	16.7	010	T	T		7900125	B	
	04P50	.5	020	L	.		1206500	A	
	05P50	1.7	030	L	.		1226500	A	
	06P34	18.9T	035	S	B		7900125	A	
SXADD-3A									
7900130	06P26	9.0	010	S	B		7900130	A	
	02Q50	.5	020	L	.		1246500	A	
	03Q50	1.5	030	L	.		1266502	A	
	06Q50	11.0T	035	T	T		7900130	A	
SXADD-3B									
7900135	06P25	8.4	010	S	B		7900135	A	
	04Q50	.5	020	L	.		1286500	A	
	05Q50	1.0	030	L	.		1306500	A	
	06Q47	9.9T	035	T	T		7900135	A	
SXADD/1									
7900150	16L11	2.4	010	T	T		7900150	A	
	20L02	.2	020	L	.		7900115	A	
	20L03	.3	030	L	.		7900110	A	
	20L04	1.4	040	L	.		7900105	A	
	20L21	13.9	050	L	.		7900100	A	
	05M37	5.2	060	C	C		7900150	A	
	05N37	4.7	070	C	C		7900150	A	
	06P23	.3	080	L	.		7900135	A	
	06P24	1.2	090	L	.		7900130	A	
	06P39	.3	100	L	.		7900120	A	
	06P40	6.8	110	L	.		7900125	A	
	19P39	2.4	120	L	.		8010754	A	
	20P10	39.1T	125	S	I		7900150	A	
NSXADD/1									
7900160	15N12	7.6	010	L	.		8010560	A	
	20P09	6.6	020	L	.		7900150	A	
	08P14	.9	030	S	-CON		7900166	A	
	08P02	.5	040	S	-CON		7900162	A	
	07P02	.1	050	S	-CON		7900164	A	
	07P04	15.7T	055	S	-CON		7900160	A	
N(S/SXAEORD)									
7900200	06E41	2.1	010	T	T		7900200	A	
	10E44	2.6	020	L	.		6911324	A	
	10E13	3.3	030	L	.		6911520	A	
	17E12	8.0T	035	S	I		7900200	A	
N(S/SXAM1)									
7900280	06E39	2.4	010	T	T		7900280	A	
	10E33	.7	020	L	.		6911722	A	
	10E23	.1	030	L	.		4900530	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	10E21	1.1	040	L	.		4900630	A	
	11E13	12.0	050	L	.		6911524	A	
	30D46	10.2	060	S	I		7900284	A	
	15E12	.2	070	S	I		7900280	A	
	15E13	26.7T	075	S	I		7900282	A	
N(S/SXAMD)									
7900290	12D25	4.4	010	T	T		7900290	A	
	10E01	1.7	020	L	.		1312770	A	
	10E20	.5	030	L	.		4900630	A	
	10E25	1.5	040	L	.		6911720	A	
	11E40	5.0	050	L	.		6911126	A	
	18E20	13.1T	055	S	I		7900290	A	
N(S/SXAMD/1)									
7900300	20N12	1.7	010	S	I		7900304	A	
	20N33	.3	020	S	I		7900302	A	
	20N34	9.4	030	S	I		7900300	A	
	08P10	3.3	040	L	.		4900602	A	
	10P39	8.9	050	L	.		7900400	A	
	16Q50	2.8	060	L	.		2560140	A	
	17Q23	26.4T	065	T	T		7900300	A	
N(S/SXAORD)									
7900350	12D23	5.7	010	T	T		7900350	A	
	10E12	2.3	020	L	.		6911520	A	
	10E41	.6	030	L	.		6911322	A	
	11E43	1.7	040	L	.		6911126	A	
	13E30	1.3	050	S	I		7900350	A	
	15E33	11.6T	055	S	I		7900354	A	
N(S/SXAP1)									
7900380	14E29	5.4	010	S	I		7900380	A	
	16F20	6.1	020	L	.		1312772	A	
	10E47	.5	030	L	.		6911326	A	
	11E47	3.3	040	L	.		6911128	A	
	10F15	15.3T	045	T	T		7900380	A	
N(S/SXAPD)									
7900390	10F17	5.7	010	T	T		7900390	A	
	10E11	1.1	020	L	.		6911520	A	
	10E22	1.3	030	L	.		4900530	A	
	10E40	2.6	040	L	.		6911322	A	
	07E23	11.0	050	S	I		7900390	A	
	27E06	6.6	060	S	I		7900398	A	
	15E14	7.6	070	S	I		7900396	A	
	27E36	35.9T	075	S	I		7900397	A	
N(S/SXAPD/1)									
7900400	09N41	4.2	010	T	T		7900400	A	
	07P10	1.1	020	L	.		4900502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		07P23	1.5	030	L	.	4904107	A	
		10P23	5.0	040	S	I	7900400	A	
		19P12	1.7	050	S	I	7900404	A	
		19P33	13.5T	055	S	I	7900402	A	
NSXB 7900450		08E47	6.6	010	S	I	7900452	A	
		09D35	5.4	020	S	I	7900450	A	
		01D50	15.5	030	C	C	7900450	A	
		32N50	2.4	040	C	C	7900450	A	
		28N43	.2	050	L	.	7900520	A	
		28N42	4.2	060	L	.	7900530	A	
		24N12	5.2	070	C	C	7900450	A	
		24M12	4.3	080	C	C	7900450	A	
		15M13	.2	090	L	.	7900500	A	
		15M12	4.0	100	L	.	7900510	A	
		22M17	48.0T	105	T	T	7900450	A	
N(S/SXB) 7900460		17D24	8.2	010	S	I	7900470	A	
		13E41	8.6	020	S	I	7900461	A	
		17D23	6.0	030	S	I	7900465	A	
		17E33	9.8	040	S	I	7900475	A	
		24F47	6.7	050	L	.	7900602	A	
		27E47	4.7	060	S	I	7900460	A	
		22E17	44.0T	065	T	T	7900460	A	
SXB-0 7900500		24L28	1.9	010	T	T	7900500	A	
		25L45	.5	020	L	.	1006504	A	
		26L45	.5	030	L	.	1026504	A	
		27L45	.5	040	L	.	1046504	A	
		28L45	9.5	050	L	.	1066504	A	
		15M15	12.9T	055	S	I	7900500	A	
SXB-1 7900510		15M11	7.5	010	S	I	7900510	A	
		25M45	.5	020	L	.	1086504	A	
		26M45	.5	030	L	.	1106504	A	
		27M45	.5	040	L	.	1126504	A	
		28M45	1.0	050	L	.	1146504	A	
		30M45	10.0T	055	T	T	7900510	A	
SXB-2 7900520		28N45	18.2	010	S	I	7900520	A	
		02P45	.5	020	L	.	1166504	A	
		03P45	.5	030	L	.	1186504	A	
		04P45	.5	040	L	.	1206504	A	
		05P45	4.6	050	L	.	1226504	A	
		13P37	24.3T	055	T	T	7900520	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
SXB-3									
7900530	28N44	23.3	010	S	I		7900530	A	
	02Q45	.5	020	L	.		1246504	A	
	03Q45	.5	030	L	.		1266504	A	
	04Q45	.5	040	L	.		1286504	A	
	05Q45	.4	050	L	.		1306504	A	
	06Q46	25.2T	055	T	T		7900530	A	
NSXBF									
7900600	24F27	.0T	005	S	FF		7900600	A	I
SXBF									
7900601	24F28	12.6	010	S	NFF		7900601	A	
	08E35	12.6T	015	L	.		7900454	A	
7900602-1	24F50	.0T	005	S	+		7900602	A	I
NSXC									
7901000	15E46	.3	010	S	I		7901000	A	
	15E45	13.9	020	S	I		7901002	A	
	01023	15.5	030	C	C		7901000	A	
	32N23	2.6	040	C	C		7901000	A	
	28N31	.2	050	L	.		7901130	A	
	28N30	1.8	060	L	.		7901120	A	
	29N12	5.2	070	C	C		7901000	A	
	29M12	6.5	080	C	C		7901000	A	
	30L02	.3	090	L	.		7901100	A	
	30L01	6.0	100	L	.		7901110	A	
	28K06	52.3T	105	T	T		7901000	A	
N(S/SXC)									
7901030	17D22	15.7	010	S	I		7901030	A	
	24F43	8.3	020	L	.		7901202	A	
	22E15	24.0T	025	T	T		7901030	A	
SXC-0									
7901100	24L27	1.5	010	T	T		7901100	A	
	25L41	.5	020	L	.		1006504	A	
	26L41	.5	030	L	.		1026504	A	
	27L41	.5	040	L	.		1046504	A	
	28L41	3.7	050	L	.		1066504	A	
	30L05	6.7T	055	S	I		7901100	A	
SXC-1									
7901110	22M41	1.5	010	T	T		7901110	A	
	25M41	.5	020	L	.		1086504	A	
	26M41	.5	030	L	.		1106504	A	
	27M41	.5	040	L	.		1126504	A	
	28M41	8.0	050	L	.		1146504	A	
	30L17	11.0T	055	S	I		7901110	A	



XEROX DATA SYSTEMS

DRAWING NO.- 133264-001 AC
PROG-PNFRM LINE NO.-7901550
TYPE-PINLIST512
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
7901550	25D14	3.9	010	S	B		7901550	A	
	21D43	2.5	020	L	.		7901540	A	
	26D43	6.4T	025	T	T		7901550	A	
N(S/SXDM1)									
7901600	10F20	3.0	010	T	T		7901600	A	
	10E50	1.2	020	L	.		6911326	A	
	10E34	.7	030	L	.		6911724	A	
	10E24	.6	040	L	.		4900530	A	
	10E19	2.1	050	L	.		4904130	A	
	07E24	7.6T	055	S	I		7901600	A	
N(S/SXDMA)									
7901700	19E41	4.0	010	T	T		7901700	A	
	11E41	1.7	020	L	.		6911126	A	
	10E26	1.1	030	L	.		6911720	A	
	10E15	1.1	040	L	.		4904130	A	
	10E02	3.8	050	L	.		1312770	A	
	17E01	2.9	060	S	I		7901702	A	
	17E36	14.6T	065	S	I		7901700	A	
N(S/SXDMAM1)									
7901750	19E42	4.0	010	T	T		7901750	A	
	11E42	1.5	020	L	.		6911126	A	
	10E27	.8	030	L	.		6911720	A	
	10E18	4.1	040	L	.		4904130	A	
	17E13	10.4T	045	S	I		7901750	A	
N(S/SXDP1)									
7901900	13E20	1.6	010	S	I		7901900	A	
	11E12	2.8	020	L	.		6911524	A	
	11E50	6.3	030	L	.		6911128	A	
	16F29	4.9	040	L	.		1312772	A	
	19E50	15.6T	045	T	T		7901900	A	
N(S/SXMA)									
7904000	04E47	4.3	010	S	I		7904000	A	
	10E29	1.3	020	L	.		6911722	A	
	11E14	1.1	030	L	.		6911524	A	
	10E06	4.5	040	L	.		1312770	A	
	19E06	11.2T	045	T	T		7904000	A	
N(S/SXMD)									
7904100	19E46	4.6	010	T	T		7904100	A	
	16F21	6.5	020	L	.		1312772	A	
	10E46	1.2	030	L	.		6911326	A	
	10E30	4.4	040	L	.		6911722	A	
	14E01	16.7T	045	S	I		7904100	A	
N(S/SXNA)									
7904300	19E28	4.5	010	T	T		7904300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		10E28	2.0	020	L	.	6911720	A	
		11E11	3.4	030	L	.	6911524	A	
		17E02	3.3	040	S	I	7904300	A	
		17E46	13.2T	045	S	I	7904302	A	
N(S/SXND)									
7904350	27E45	8.5	010	S	I	.	7904350	A	
	10E45	1.0	020	L	.	.	6911326	A	
	10E31	4.5	030	L	.	.	6911722	A	
	19E31	14.0T	035	T	T	.	7904350	A	
NSXP									
7904500	12E30	5.7	010	S	I	.	7904500	A	
	02E40	14.5	020	C	C	.	7904500	A	
	31P40	5.5	030	C	C	.	7904500	A	
	20P40	.3	040	L	.	.	7904530	A	
	20P39	.9	050	L	.	.	7904520	A	
	22P36	26.9T	055	T	T	.	7904500	A	
SXP-2									
7904520	22M43	3.0	010	T	T	.	7904520	A	
	28M43	9.3	020	L	.	.	1146506	A	
	10M44	5.2	030	C	C	.	7904520	A	
	10N44	8.9	040	C	C	.	7904520	A	
	02P43	.5	050	L	.	.	1166506	A	
	03P43	.5	060	L	.	.	1186506	A	
	04P43	.5	070	L	.	.	1206506	A	
	05P43	8.1	080	L	.	.	1226506	A	
	20P35	36.0T	085	S	I	.	7904520	A	
SXP-3									
7904530	20P34	14.6	010	S	I	.	7904530	A	
	02Q43	.5	020	L	.	.	1246506	A	
	03Q43	.5	030	L	.	.	1266506	A	
	04Q43	.5	040	L	.	.	1286506	A	
	05Q43	7.8	050	L	.	.	1306506	A	
	17Q19	23.9T	055	T	T	.	7904530	A	
NSYSR									
7987100	09B35	5.1	005	S	I	.	7987102	C	
	06C13	2.1	010	S	I	.	7987100	A	
	06C41	18.2	020	L	.	.	7343255	A	
	17A08	10.3	030	L	.	.	7343257	A	
	28B01	6.9	033	L	.	.	7343100	C	
	16B13	42.6T	035	T	T	.	7987100	A	
T11									
8010000	22T23	1.7	010	S	-BDS	.	8010000	A	
	21T08	5.4	020	L	.	.	3740300	A	
	21S09	4.2	030	L	.	.	3840102	A	
	20R29	11.3T	035	T	T	.	8010000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NT11L									
8010100	07Q14	14.5	010	S	FF		8010100	A	
	15N14	14.5T	015	L	.		8010560	A	
T11L									
8010101	07Q12	11.0	010	S	NFF		8010101	A	
	20P22	11.0T	015	L	.		8010752	A	
8010102-1	07Q11	.0T	005	S	+		8010102	A	I
N(S/T11L)									
8010150	14A15	6.3	008	S	B		8010159	E	
	11B06	6.7	010	S	I		8010158	A	
	10C23	13.0	020	S	I		8010150	A	
	02A43	14.5	030	C	C		8010160	A	
	31K43	20.7	040	C	C		8010160	A	
	10M36	5.2	050	C	C		8010160	A	
	10N36	10.8	060	C	C		8010160	A	
	07Q20	1.8	070	L	.		8010102	A	
	06Q01	79.0T	075	T	T		8010160	A	
T5									
8010500	11S28	6.5	010	T	T		8010500	A	
	15T17	3.4	020	L	.		8010520	A	
	18T43	3.6	023	L	.		3740302	F	
	22T18	4.9	025	S	-BDS		8010500	A	
	14T06	18.4T	030	S	I		8010502	F	
T5DP									
8010520	15T02	4.8	010	S	FB		8010520	A	
	14S13	6.5	020	L	.		8010530	A	
	15T23	5.2	030	L	.		8010520	A	
	19S46	16.5T	035	T	T		8010520	A	
NT5DP									
8010530	14S15	4.9	010	S	I		8010530	A	
	15T06	5.8	020	L	.		8010540	A	
	22T35	8.2	030	L	.		8010700	A	
	19S15	18.9T	035	T	T		8010530	A	
NT5DP/1									
8010540	15T04	.8	010	S	FB		8010540	A	
	15T13	3.9	020	L	.		8010540	A	
	22T19	.4	030	L	.		3563102	A	
	22T25	1.8	040	L	.		8010000	A	
	22T02	6.9T	045	T	T		8010540	A	
T5EN									
8010560	23N15	4.8	005	S	I		8010564	K	
	15N22	4.3	010	S	B		8010560	A	
	20N45	3.6	020	S	I		8010562	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		20P23	5.8	030	L	.	8010750	A	
		19Q20	5.2	040	C	C	8010560	A	
		19R20	6.6	050	C	C	8010560	A	
		14S09	9.5	060	L	.	4395320	A	
		22T13	5.1	080	L	.	8010500	A	
		27S44	44.9T	085	T	T	8010560	A	
T8									
8010700	19S45	5.5	010	T	T		8010700	A	
	15T18	3.4	020	L	.		8010720	A	
	21T12	2.0	030	L	.		3740300	A	
	22T31	10.9T	035	S	-BDS		8010700	A	
T8DP									
8010720	20R28	12.7	010	T	T		8010720	A	
	14T21	.3	020	L	.		8010730	F	
	15T20	1.7	030	L	.		8010720	A	
	15T01	14.7T	035	S	FB		8010720	A	
NT8DP									
8010730	14T28	4.8	010	S	I		8010730	F	
	22T21	.6	020	L	.		3563102	A	
	22T26	11.5	030	L	.		8010000	A	
	20R26	16.9T	035	T	T		8010730	A	
T8EN									
8010750	20P25	.1	010	S	I		8010750	A	
	20P27	1.1	020	S	I		8010752	A	
	19P35	.3	030	S	I		8010756	A	
	19P36	.8	040	S	I		8010758	A	
	19P45	3.4	050	S	I		8010754	A	
	19Q21	5.2	060	C	C		8010750	A	
	19R21	12.9	070	C	C		8010750	A	
	22T33	12.1	080	L	.		8010700	A	
	20R25	35.9T	085	T	T		8010750	A	
NT8L									
8010800	07Q06	14.1	010	S	FF		8010800	A	
	15N15	14.1T	015	L	.		8010560	A	
T8L									
8010801	07Q07	.0T	005	S	NFF		8010801	A	I
N(S/T8L)									
8010850	02A42	3.8	010	C	C		8010850	A	
	03B15	4.4	020	S	B		8010850	A	
	09B36	.6	025	S	I		8010854	C	
	10B34	4.3	030	S	I		8010852	A	
	10C22	4.0	040	S	I		8010858	A	
	18C22	15.5	050	S	I		8010866	A	
	31K42	20.7	060	C	C		8010850	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		10M38	5.2	070	C	C	8010850	A	
		10N38	10.3	080	C	C	8010850	A	
		07Q19	1.9	090	L	.	8010802	A	
		06Q02	70.7T	095	T	T	8010850	A	
8019100-1	11E36	5.0	010	S	B		8019100	A	
	09F23	5.0T	015	L	*		8019100	A	
TESTS									
8022100	01Q46	7.7	010	S	I		8022100	A	
	13Q27	3.6	020	L	.		3060106	A	
	17Q05	11.3T	025	T	T		8022100	A	
NTESTS									
8022200	13C35	.2	010	S	I		8022200	A	
	13C34	.6	020	S	I		8022202	A	
	13C26	.2	030	S	I		8022204	A	
	13C27	.1	040	S	I		8022208	A	
	13C25	1.0	050	S	I		8022206	A	
	14C14	2.5	060	S	I		8022210	A	
	10C25	13.3	070	S	I		8022214	A	
	02A41	14.5	080	C	C		8022200	A	
	31K41	19.4	090	C	C		8022200	A	
	14M47	5.2	100	C	C		8022200	A	
	14N47	16.7	110	C	C		8022200	A	
	01Q40	17.2	120	L	.		8022100	A	
	21P17	.6	130	L	.		3060330	A	
	21P25	1.5	140	L	.		3060430	A	
	22P11	93.0T	145	T	T		8022200	A	
NTESTS/1									
8022252	13C18	.7	010	S	I		8022254	A	
	13C28	7.8	020	S	I		8022252	A	
	01C04	31.2	030	C	C		8022252	A	
	32Q04	10.0	040	C	C		8022252	A	
	17P39	5.2	050	L	.		7503200	A	
	22P03	54.9T	055	T	T		8022252	A	
8031100-1	11E35	5.0	010	S	B		8031100	A	
	09F19	5.0T	015	L	*		8031100	A	
TODATA									
8051000	21D26	7.6	010	S	I		8051000	A	
	29E04	6.3	020	L	.		7890846	A	
	29F17	17.6	030	L	.		7890702	A	
	03E25	25.0	040	C	C		8051000	A	
	32M25	16.7	050	C	C		8051000	A	
	07L40	2.5	060	L	.		1002622	A	
	09L23	7.1	070	L	.		1032622	A	
	11M35	82.8T	075	T	T		8051000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NTODATA									
8051020	20D45	3.1	010	S	I		8051020	A	
	21D06	6.0	020	S	I		8051022	A	
	29D31	4.6	030	L	.		5151031	A	
	21D24	2.8	040	L	.		8051000	A	
	26D23	16.5T	045	T	T		8051020	A	
TORDIN									
8051028	16F34	12.5	010	S	B		8051028	A	
	03E24	25.0	020	C	C		8051028	A	
	32M24	14.0	030	C	C		8051028	A	
	24K30	6.0	040	L	.		1040354	A	
	20L14	5.4	050	L	.		1010350	A	
	11L26	12.7	060	L	.		1030350	A	
	23K06	75.6T	065	T	T		8051028	B	
(R/TR)									
8065000	22B04	6.6	010	T	T		8065000	A	
	25A09	.4	020	L	.		1286607	A	
	25A15	.6	030	L	.		1316607	A	
	25A23	.2	040	L	.		1296607	A	
	25A22	11.8	050	L	.		1306607	A	
	20C06	19.6T	055	S	I		8065000	A	
(R/TRACC)									
8065100	22B26	5.8	010	T	T		8065100	A	
	25A38	.1	020	L	.		8065307	A	
	25A40	.3	030	L	.		8065257	A	
	25A44	.2	040	L	.		8065207	A	
	25A45	8.6	050	L	.		8065157	A	
	19B46	10.4	055	S	I		8065100	A	
	14A10	25.4T	060	S	B		8065102	V	
N(R/TRACC/1)									
8065110	16A18	8.6	010	S	I		8065110	A	
	19B41	3.2	020	L	.		8065100	A	
	20C07	3.5	030	L	.		8065000	A	
	22B40	15.3T	035	T	T		8065110	A	
TRACC1									
8065150	25A27	11.5	010	S	FF		8065150	A	
	20C04	6.0	020	L	.		1286630	A	
	27C38	5.2	030	C	C		8065150	A	
	27D38	5.0	040	C	C		8065150	A	
	28E27	27.7T	045	L	.		3060160	C	
NTRACC1									
8065151	25A28	.0T	005	S	NFF		8065151	A	I
8065152-1									
	25A50	4.9	010	S	+		8065154	A	
	27A01	4.9T	015	S	+		8065156	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
TRACC2									
8065200	25A31	10.9	010	S	FF		3065200	A	
	20C03	6.2	020	L	.		1296630	A	
	27C39	5.2	030	C	C		8065200	A	
	27D39	6.6	040	C	C		8065200	A	
	18D11	28.9T	045	L	.		3060255	A	
NTRACC2									
8065201	25A26	.0T	005	S	NFF		8065201	A	I
8065202-1	25A46	3.4	010	S	+		8065202	A	
	27A17	3.4T	015	S	+		8065206	A	
TRACC2INH									
8065216	32C13	.9	010	S	I		8065216	A	
	32C02	4.3	020	S	I		8065218	A	
	29B34	3.7	030	T	T		8065216	A	
	32B04	8.9T	035	L	.		2089400	A	
TRACC3									
8065250	25A30	10.9	010	S	FF		8065250	A	
	20C02	6.3	020	L	.		1306634	A	
	27C40	5.2	030	C	C		8065250	A	
	27D40	4.9	040	C	C		8065250	A	
	18D33	27.3T	045	L	.		3060351	A	
NTRACC3									
8065251	25A29	.0T	005	S	NFF		8065251	A	I
8065252-1	25A41	2.3	010	S	+		8065252	A	
	27A20	2.3T	015	S	+		8065256	A	
TRACC4									
8065300	25A33	10.6	010	S	FF		8065300	A	
	20C01	6.5	020	L	.		1316636	A	
	27C41	5.2	030	C	C		8065300	A	
	27D41	6.8	040	C	C		8065300	A	
	18D12	29.1T	045	L	.		3060453	A	
NTRACC4									
8065301	25A34	.0T	005	S	NFF		8065301	A	I
8065302-1	25A39	3.3	010	S	+		8065302	A	
	27A04	3.3T	015	S	+		8065306	A	
TRAP									
8065400	24A27	7.2	010	S	FF		8065400	A	
	17B07	5.7	020	L	.		3078800	A	
	18C07	9.9	030	L	.		3846016	A	
	03C36	5.2	040	C	C		8065400	A	
	03D36	14.2	050	C	C		8065400	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		11F31	16.2	060	L	.	2405910	A	
		24D41	3.0	070	L	.	6977300	A	
		30D41	2.0	080	L	.	7900284	A	
		26D41	63.4T	085	T	T	8065400	A	
NTRAP									
8065401	24A28	6.9	010	S	NFF		8065401	A	
	17B04	6.3	020	L	.		8065440	A	
	16C15	5.2	040	C	C		8065401	A	
	16D15	6.6	050	C	C		8065401	A	
	04D23	11.4	060	L	.		7900076	A	
	14E39	2.0	070	L	.		3107042	A	
	11E34	7.5	080	L	.		3107020	A	
	20F04	3.7	090	L	.		6973900	A	
	26F14	49.6T	095	T	T		8065401	A	
8065402-1	24A50	.0T	005	S	+		8065402	A	I
(R/TRAP)									
8065415	16A05	2.8	010	S	I		8065415	A	
	19A23	4.1	020	L	.		5138920	A	
	24A45	5.2	030	L	.		8065407	A	
	22B28	12.1T	035	T	T		8065415	A	
N(R/TRAP)									
8065417	20B04	7.4	010	S	I		8065417	A	
	16A02	10.4	020	L	.		8065415	A	
	22B29	17.8T	025	T	T		8065417	A	
(S/TRAP)									
8065420	16A19	2.5	010	S	I		8065420	A	
	19A05	5.6	020	L	.		5138936	A	
	24A47	4.8	030	L	.		8065402	A	
	30B01	6.5	033	L	.		2841069	F	
	20B21	5.2	034	L	.		6196124	AA	
	23C02	5.2	035	C	C		8065420	F	
	23D02	6.1	040	C	C		8065420	F	
	17D47	5.0	050	L	.		5154072	F	
	22E12	40.9T	060	T	T		8065420	F	
N(S/TRAP)									
8065425	20C47	3.5	010	S	I		8065427	A	
	17C22	3.3	020	S	I		8065435	A	
	20C45	2.7	030	S	I		8065425	A	
	17C30	12.9	040	S	I		8065430	A	
	16A03	9.4	050	L	.		8065420	A	
	19B40	3.8	060	L	.		8065100	A	
	20C14	5.3	070	L	.		8065000	A	
	26C43	1.1	075	L	.		6845192	V	
	26C30	2.5	080	L	.		6902170	A	
	25C01	44.5T	085	T	T		8065425	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
(NTRAP.NSTRAP)									
8065440	29B17	6.1	010	T	T		8065440	A	
	27A19	1.1	020	L	.		8065156	A	
	27A06	5.0	030	L	.		8065206	A	
	17A06	10.4	040	L	.		4320830	A	
	17C03	4.5	050	L	.		1316634	A	
	17B13	27.1T	055	S	B		8065440	A	
TRIG									
8065500	20Q39	.5	010	S	B		8065500	A	
	19Q39	5.2	020	C	C		8065500	A	
	19R39	6.2	030	C	C		8065500	A	
	26R03	.5	040	L	.		1022682	A	
	27R03	.5	050	L	.		1042682	A	
	28R03	.5	060	L	.		1062682	A	
	29R03	.5	070	L	.		1082682	A	
	30R03	.5	080	L	.		1102682	A	
	31R03	.5	090	L	.		1122682	A	
	32R03	14.9T	095	L	.		1142682	A	
VALST									
8132000	06B20	4.7	010	T	T		8132000	A	
	12B01	1.0	020	L	.		7430402	A	
	12B15	3.3	030	L	.		7430400	A	
	15B39	7.4	040	L	.		7430302	A	
	05C01	2.0	050	L	.		8132010	A	
	03C15	5.2	060	C	C		8132000	A	
	03D15	3.6	070	C	C		8132000	A	
	09D07	8.5	080	L	.		7900060	A	
	07E34	6.1	090	L	.		7901602	A	
	13F06	41.8T	095	S	B		8132000	A	
NVALST									
8132010	22B33	1.0	010	T	T		8132010	A	
	24B33	14.9	020	L	.		2841962	A	
	06C38	1.9	030	L	.		8132100	A	
	05C17	17.8T	035	S	I		8132010	A	
N(NVALST.SW13)									
8132100	06C35	12.9	010	S	I		8132100	A	
	21B33	.7	020	L	.		2841554	A	
	22B38	13.6T	025	T	T		8132100	A	
VDATAIN									
8133000	21D23	4.7	010	L	.		8133150	A	
	21E12	7.1	020	L	.		8133100	A	
	17F10	2.1	030	S	B		8133000	A	
	17F38	13.9T	035	S	B		8133002	A	
(NVDATAIN.DATAIN)									
8133100	19E02	5.6	010	T	T		8133100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	17D09	7.4	020	L	.		7901030	A	
	21E11	8.5	030	S	I		8133100	A	
	15F15	21.5T	035	S	B		8133102	A	
N(VDATAIN+VDATAOUT)									
8133150	19E03	4.9	010	T	T		8133150	A	
	21D21	.3	020	L	.		8133160	A	
	21D25	.1	030	S	I		8133150	A	
	21D27	5.3T	035	S	I		8133155	A	
(VDATAIN+VDATAOUT)									
8133160	21D28	12.8	010	S	I		8133160	A	
	07E36	14.1	020	L	.		7901600	A	
	22D18	2.3	030	L	.		2844356	A	
	25D11	6.3	040	L	.		7410832	A	
	25E22	3.1	050	L	.		7410234	A	
	19E20	38.6T	055	T	T		8133160	A	
VDATAOUT									
8133500	21D22	4.4	010	L	.		8133155	A	
	21E09	9.2	020	L	.		8133550	A	
	17F35	.1	030	S	B		8133502	A	
	17F37	13.7T	035	S	B		8133500	A	
(NVDATAOUT.DATAOUT)									
8133550	21E10	8.0	010	S	I		8133550	A	
	15F11	9.6	020	S	B		8133552	A	
	23E02	1.3	030	L	.		5156427	A	
	23E20	3.6	040	L	.		5156537	A	
	28E33	7.0	050	L	.		2843860	A	
	17E50	29.5T	055	T	T		8133550	C	
VORDER									
8145000	04E10	6.1	010	L	.		3900916	A	
	05D09	8.6	020	L	.		6977006	A	
	05E50	14.5	030	L	.		7900031	C	
	28E10	10.6	040	L	.		2844050	A	
	21F39	2.0	050	L	.		8145100	A	
	17F39	41.8T	055	S	B		8145000	A	
(VORDER.IOTRIN)									
8145100	21F45	9.9	010	S	B		8145100	A	
	25E06	9.9T	015	L	.		7890642	A	
WAIT/L-1									
8145800	28B11	10.5	010	S	B		8145800	A	
	15A27	2.5	020	L	.		8145825	A	
	20A27	13.0T	025	T	T		8145800	A	
WCT1									
8161100	22A27	1.1	010	S	FF		8161100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		21A20	1.1T 015	L	.		8165530	A	
NWCT1									
8161101	22A28	.6	010	S	NFF		8161101	A	
	21A30	.6T	015	L	.		8161130	A	
8161102-1	22A50	.0T	005	S	+		8161102	A	I
(R/WCT1)									
8161120	21A45	.5	010	S	B		8161120	A	
	22A45	.5T	015	L	.		8161107	A	
(S/WCT1)									
8161130	21A15	2.9	010	S	B		8161130	A	
	22A47	2.9T	020	L	.		8161102	A	
WCT2									
8161150	22A31	1.6	010	S	FF		8161150	A	
	21A18	1.8	020	L	.		8161130	A	
	21A42	1.2	025	L	.		8161120	A	
	21A29	4.6T	030	L	.		8165530	Z	
NWCT2									
8161151	22A26	1.7	010	S	NFF		8161151	A	
	21A10	1.7T	015	L	.		8161190	A	
8161152-1	22A46	.0T	005	S	+		8161152	A	I
(R/WCT2)									
8161170	21A39	.7	010	L	.		8161120	A	
	22A44	.6	020	L	.		8161157	A	
	21A46	1.3T	025	S	B		8161170	A	
(S/WCT2)									
8161180	17A01	5.6	010	S	B		8161180	A	
	22A43	5.6T	015	L	.		8161152	A	
(NWCT2.WCT3)									
8161190	21A01	2.9	010	S	B		8161190	A	
	17A10	2.9T	025	L	.		8161180	A	
WCT3									
8161200	22A30	1.8	010	S	FF		8161200	A	
	21A11	1.5	020	L	.		8161190	A	
	21A31	.9	030	L	.		8161130	A	
	21A40	4.2T	035	L	.		8161170	A	
NWCT3									
8161201	22A29	1.4	010	S	NFF		8161201	A	
	21A38	1.4T	015	L	.		8161230	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
8161202-1	22A41	.0T	005	S	+		8161202	A	I
(R/WCT3)									
8161220	21A02	3.0	010	S	B		8161220	A	
	21A41	.3	020	L	.		8161170	A	
	22A40	3.3T	025	L	.		8161207	A	
(S/WCT3)									
8161230	21A35	.9	010	S	B		8161230	A	
	22A42	1.9	015	L	.		8161202	A	
	21A21	2.8T	020	L	.		8165530	Z	
WCT4									
8161250	17A11	2.1	010	L	.		8161180	A	
	21A09	.6	020	L	.		8161220	A	
	21A17	1.9	030	L	.		8161130	A	
	21A43	1.2	040	L	.		8161230	A	
	22A33	5.8T	045	S	FF		8161250	A	
NWCT4									
8161251	22A34	.2	010	S	NFF		8161251	A	
	22A35	.2T	015	L	.		8161252	A	
8161252-1	22A39	.0T	005	S	+		8161252	A	I
(R/WCT4)									
8161270	21A13	.7	010	S	B		8161270	A	
	21A03	2.8	020	L	.		8161220	A	
	22A36	.1	030	L	.		8161102	A	
	22A38	3.6T	035	L	.		8161257	A	
WCT5									
8161300	21A04	.6	020	L	.		8161270	A	
	22A02	.6T	025	S	FF		8161300	A	
NWCT5									
8161301	22A21	2.5	010	S	NFF		8161301	A	
	21A44	2.5T	015	L	.		8161330	A	
8161302-1	22A18	.0T	005	S	+		8161302	A	I
(S/WCT5)									
8161330	21A36	1.6	010	S	B		8161330	A	
	22A25	1.6T	015	L	.		8161302	A	
WCT6									
8161350	21A08	2.3	010	L	.		8161270	A	
	21A37	1.5	020	L	.		8161330	A	
	22A23	.2	030	L	.		8161307	A	
	22A22	1.3	040	L	.		8161357	A	
	22A04	5.3T	045	S	FF		8161350	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
8161352-1	22A03	.0T	005	S	+		8161352	A	I
(S/WCT6.NWCT6)									
8162000	27K34	3.6	010	S	B		8162000	Z	
	31K12	14.5	020	C	C		8162000	Z	
	02A12	10.8	030	C	C		8162000	Z	
	22A05	1.7	040	S	NFF		8162000	Z	
	22A24	2.3	050	L	.		8161352	Z	
	20A06	32.9T	055	T	T		8162000	Z	
WDINT									
8165200	15F06	.8	010	S	B		8165200	A	
	16F10	3.6	020	L	.		8165300	A	
	23F12	4.1	030	L	.		2240104	A	
	27F40	2.6	040	L	.		8165290	A	
	32F38	12.6	050	L	.		8165210	A	
	26D50	23.7T	055	T	T		8165200	A	
NWDINT									
8165210	32F41	6.8	010	S	I		8165210	A	
	19F37	4.8	020	L	.		2240150	A	
	19E44	11.6T	025	T	T		8165210	A	
(WDINT.B29)									
8165290	27F46	2.4	010	S	B		8165290	A	
	25F25	2.4T	015	L	.		5159502	A	
(WDINT.B30)									
8165300	16F01	3.5	010	S	B		8165300	A	
	22F10	.3	020	L	.		2240102	A	
	22F09	3.8T	025	L	.		6227007	A	
WDTA									
8165500	22A14	1.1	010	S	FF		8165500	A	
	21A06	7.9	020	L	.		7869100	A	
	18B25	7.1	030	L	.		8165830	G	
	19C43	5.2	040	C	C		8165500	A	
	19D43	8.3	050	C	C		8165500	A	
	11E31	3.8	060	L	.		3107020	A	
	19E30	33.4T	065	T	T		8165500	A	
NWDTA									
8165501	22A12	.0T	010	S	NFF		8165501	A	I
8165502-1	22A11	.0T	005	S	+		8165502	A	I
(S/WDTA)									
8165530	21A14	.8	010	S	B		8165530	A	
	22A13	.8T	015	L	.		8165502	A	
WDTR									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
8165700	24A06	4.5	005	S	FF		8165700	A	
	19A37	.5	020	L	.		8165780	G	
	19A40	4.5	030	L	.		8165780	G	
	18B27	9.5T	040	L	.		8165830	G	
(S/WDTR)									
8165715	16A47	6.1	010	S	I		8165715	A	
	24A19	8.1	020	L	.		8165702	A	
	29B26	14.2T	025	T	T		8165715	A	
N(S/WDTR)									
8165720	29B27	11.4	010	T	T		8165720	A	
	16A31	1.0	020	L	.		8165715	A	
	16A45	.2	030	S	I		8165720	A	
	16A44	.1	040	S	I		8165722	A	
	16A46	6.9	050	S	I		8165724	A	
	07A14	19.6T	055	S	I		8165726	A	
NWDTR									
8165750	24A07	.0T	050	S	NFF		8165701	A	I
WDTRUN									
8165780	19A45	.6	020	S	FB		8165780	G	
	19A38	1.1	030	L	.		8165780	G	
	18A30	4.8	040	L	.		8165784	G	
	24A09	2.1	050	L	.		8165707	G	
	20A11	8.6T	060	T	T		8165780	G	
NWDTRUN									
8165784	18A15	6.5	020	S	I		8165784	G	
	18B28	7.3	030	L	.		8165830	G	
	20A17	13.8T	040	T	T		8165784	G	
WDTRAC									
8165800	22A06	.4	010	S	FF		8165800	A	
	21A05	3.5	020	L	.		7869100	A	
	19A39	3.7	030	L	.		8165780	G	
	22A09	.4	040	L	.		8165807	A	
	22A15	.1	050	L	.		8165507	A	
	22A17	1.5	060	L	.		8161302	A	
	22A37	9.6T	065	L	.		8161102	A	
NWDTRAC									
8165801	18B29	.3	020	L	.		8165830	G	
	18B26	7.5	030	L	.		8165830	G	
	21A19	1.4	040	L	.		8165530	A	
	22A07	9.2T	045	S	NFF		8165801	A	
(S/WDTRAC)									
8165830	18B36	9.3	010	S	B		8165830	G	
	22A08	4.9	015	L	.		8165802	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	26A45	14.2T	030	T	T		8165830	J	
WDTR/K 8165900	16A34	4.4	020	S	I		8165900	G	
	22A19	9.4	030	L	.		8165802	G	
	29B30	13.8T	040	T	T		8165900	G	
NWDTR/K 8165910	16A41	.2	010	S	I		8165912	G	
	16A40	.3	020	L	.		8165900	G	
	16A36	.3	030	S	I		8165910	G	
	16A35	10.7	040	S	I		8165914	G	
	30B15	5.8	050	S	I		8165916	G	
	29C12	15.4	060	S	I		8165918	G	
	20A05	32.7T	070	T	T		8165910	G	
HK0 8180100	20M04	13.2	010	S	FF		8180100	A	
	03L09	6.9	020	L	.		1020122	A	
	17L06	8.1	030	L	.		8180110	A	
	14M24	5.2	040	C	C		8180100	A	
	14N24	3.5	050	C	C		8180100	A	
	21N24	1.1	060	L	.		2055051	A	
	23N22	38.0T	065	L	.		2055052	A	
NHK0 8180101	20M05	.0T	005	S	NFF		8180101	A	I
HK1 8180200	20M02	5.5	010	S	FF		8180200	A	
	17L17	7.6	020	L	.		8180210	A	
	03L10	12.0	030	L	.		1030122	A	
	14M25	5.2	040	C	C		8180200	A	
	14N25	3.4	050	C	C		8180200	A	
	21N22	1.4	060	L	.		2055050	A	
	23N28	35.1T	065	L	.		2055052	A	
NHK1 8180201	20M21	.0T	005	S	NFF		8180201	A	I
8180202-1	20M18	.0T	005	S	+		8180202	A	I
ZXX 8291000	18B37	6.3	010	S	B		8291000	A	
	19C46	5.2	020	C	C		8291000	A	
	19D46	11.8	030	C	C		8291000	A	
	27F09	8.3	040	L	.		5159530	A	
	26D46	31.6T	045	T	T		8291000	A	
P4VA 8300000	01A49	.5	010	S	-VSP	ETH	8300000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02A49	.5	020			ETH	8300000	A	
	03A49	.5	030			ETH	8300000	A	
	04A49	.5	040			ETH	8300000	A	
	05A49	.5	050			ETH	8300000	A	
	06A49	.5	060			ETH	8300000	A	
	07A49	.5	070			ETH	8300000	A	
	08A49	.5	080			ETH	8300000	A	
	09A49	.5	090			ETH	8300010	A	
	10A49	.5	100			ETH	8300010	A	
	11A49	.5	110			ETH	8300010	A	
	12A49	.5	120			ETH	8300010	A	
	13A49	.5	130			ETH	8300010	A	
	14A49	.5	140			ETH	8300010	A	
	15A49	.5	150			ETH	8300010	A	
	16A49	.5	160			ETH	8300020	A	
	17A49	.5	170			ETH	8300020	A	
	18A49	.5	180			ETH	8300020	A	
	19A49	.5	190			ETH	8300020	A	
	20A49	.5	200			ETH	8300020	A	
	21A49	.5	210			ETH	8300020	A	
	22A49	.5	220			ETH	8300020	A	
	23A49	.5	230			ETH	8300030	A	
	24A49	.5	240			ETH	8300030	A	
	25A49	.5	250			ETH	8300030	A	
	26A49	.5	260			ETH	8300030	A	
	27A49	.5	270			ETH	8300030	A	
	28A49	.5	280			ETH	8300030	A	
	29A49	.5	290			ETH	8300030	A	
	30A49	.5	300			ETH	8300040	A	
	31A49	.5	310			ETH	8300040	A	
	32A49	15.5T	315			ETH	8300040	A	
P4VB 8300100	32B49	.5	010			ETH	8300140	A	
	31B49	.5	020			ETH	8300140	A	
	30B49	.5	030			ETH	8300130	A	
	29B49	.5	040			ETH	8300130	A	
	28B49	.5	050			ETH	8300140	A	
	27B49	.5	060			ETH	8300140	A	
	26B49	.5	070			ETH	8300130	A	
	25B49	.5	080			ETH	8300130	A	
	24B49	.5	090			ETH	8300130	A	
	23B49	.5	100			ETH	8300130	A	
	22B49	.5	110			ETH	8300120	A	
	21B49	.5	120			ETH	8300130	A	
	20B49	.5	130			ETH	8300120	A	
	19B49	.5	140			ETH	8300120	A	
	18B49	.5	150			ETH	8300120	A	
	17B49	.5	160			ETH	8300120	A	
	16B49	.5	170			ETH	8300120	A	
	15B49	.5	180			ETH	8300110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	14B49	.5	190			ETH	8300110	A	
	13B49	.5	200			ETH	8300110	A	
	12B49	.5	210			ETH	8300110	A	
	11B49	.5	220			ETH	8300110	A	
	10B49	.5	230			ETH	8300110	A	
	09B49	.5	240			ETH	8300110	A	
	08B49	.5	250			ETH	8300100	A	
	07B49	.5	260			ETH	8300100	A	
	06B49	.5	270			ETH	8300100	A	
	05B49	.5	280			ETH	8300100	A	
	04B49	.5	290			ETH	8300100	A	
	03B49	.5	300			ETH	8300100	A	
	02B49	.5	310			ETH	8300100	A	
	01B49	15.5T	315	S	-VSP	ETH	8300100	A	
P4VC									
8300200	32C49	.5	010			ETH	8300240	A	
	31C49	.5	020			ETH	8300240	A	
	30C49	.5	030			ETH	8300220	A	
	29C49	.5	040			ETH	8300220	A	
	28C49	.5	050			ETH	8300240	A	
	27C49	.5	060			ETH	8300230	A	
	26C49	.5	070			ETH	8300230	A	
	25C49	.5	080			ETH	8300230	A	
	24C49	.5	090			ETH	8300230	A	
	23C49	.5	100			ETH	8300230	A	
	22C49	.5	110			ETH	8300230	A	
	21C49	.5	120			ETH	8300230	A	
	20C49	.5	130			ETH	8300220	A	
	19C49	.5	140			ETH	8300220	A	
	18C49	.5	150			ETH	8300220	A	
	17C49	.5	160			ETH	8300220	A	
	16C49	.5	170			ETH	8300220	A	
	15C49	.5	180			ETH	8300210	A	
	14C49	.5	190			ETH	8300210	A	
	13C49	.5	200			ETH	8300210	A	
	12C49	.5	210			ETH	8300210	A	
	11C49	.5	220			ETH	8300210	A	
	10C49	.5	230			ETH	8300210	A	
	09C49	.5	240			ETH	8300210	A	
	08C49	.5	250			ETH	8300200	A	
	07C49	.5	260			ETH	8300200	A	
	06C49	.5	270			ETH	8300200	A	
	05C49	.5	280			ETH	8300200	A	
	04C49	.5	290			ETH	8300200	A	
	03C49	.5	300			ETH	8300200	A	
	02C49	.5	310			ETH	8300200	A	
	01C49	15.5T	315	S	-VSP	ETH	8300200	A	
P4VD									
8300300	01D49	.5	010	S	-VSP	ETH	8300300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		02D49	.5	020		ETH	8300300	A	
		03D49	.5	030		ETH	8300300	A	
		04D49	.5	040		ETH	8300300	A	
		05D49	.5	050		ETH	8300300	A	
		06D49	.5	060		ETH	8300300	A	
		07D49	.5	070		ETH	8300300	A	
		08D49	.5	080		ETH	8300300	A	
		09D49	.5	090		ETH	8300310	A	
		10D49	.5	100		ETH	8300310	A	
		11D49	.5	110		ETH	8300310	A	
		12D49	.5	120		ETH	8300310	A	
		13D49	.5	130		ETH	8300310	A	
		14D49	.5	140		ETH	8300310	A	
		15D49	.5	150		ETH	8300310	A	
		16D49	.5	160		ETH	8300320	A	
		17D49	.5	170		ETH	8300320	A	
		18D49	.5	180		ETH	8300320	A	
		19D49	.5	190		ETH	8300320	A	
		20D49	.5	200		ETH	8300320	A	
		21D49	.5	210		ETH	8300320	A	
		22D49	.5	220		ETH	8300320	A	
		23D49	.5	230		ETH	8300330	A	
		24D49	.5	240		ETH	8300330	A	
		25D49	.5	250		ETH	8300330	A	
		26D49	.5	260		ETH	8300330	A	
		27D49	.5	270		ETH	8300330	A	
		28D49	.5	280		ETH	8300330	A	
		29D49	.5	290		ETH	8300330	A	
		30D49	.5	300		ETH	8300340	A	
		31D49	.5	310		ETH	8300340	A	
		32D49	15.5T	315		ETH	8300340	A	
P4VE 8300400		01E49	.5	010	S	-VSP	ETH	8300400	A
		02E49	.5	020			ETH	8300400	A
		03E49	.5	030			ETH	8300410	A
		04E49	.5	040			ETH	8300400	A
		05E49	.5	050			ETH	8300400	A
		06E49	.5	060			ETH	8300400	A
		07E49	.5	070			ETH	8300400	A
		08E49	.5	080			ETH	8300400	A
		09E49	.5	090			ETH	8300400	A
		10E49	.5	100			ETH	8300410	A
		11E49	.5	110			ETH	8300410	A
		12E49	.5	120			ETH	8300410	A
		13E49	.5	130			ETH	8300410	A
		14E49	.5	140			ETH	8300410	A
		15E49	.5	150			ETH	8300410	A
		16E49	.5	160			ETH	8300420	A
		17E49	.5	170			ETH	8300420	A
		18E49	.5	180			ETH	8300420	A



DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-8300400
 TYPE-PINLIST

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 133264AC
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SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19E49	.5	190			ETH	8300420	A	
	20E49	.5	200			ETH	8300420	A	
	21E49	.5	210			ETH	8300420	A	
	22E49	.5	220			ETH	8300420	A	
	23E49	.5	230			ETH	8300430	A	
	24E49	.5	240			ETH	8300430	A	
	25E49	.5	250			ETH	8300430	A	
	26E49	.5	260			ETH	8300430	A	
	27E49	.5	270			ETH	8300430	A	
	28E49	.5	280			ETH	8300430	A	
	29E49	.5	290			ETH	8300430	A	
	30E49	.5	300			ETH	8300440	A	
	31E49	.5	310			ETH	8300440	A	
	32E49	15.5T	315			ETH	8300440	A	
P4VF 8300500	01F49	.5	010	S	-VSP	ETH	8300530	A	
	02F49	.5	020			ETH	8300500	A	
	03F49	.5	030			ETH	8300500	A	
	04F49	.5	040			ETH	8300500	A	
	05F49	.5	050			ETH	8300500	A	
	06F49	.5	060			ETH	8300500	A	
	07F49	.5	070			ETH	8300500	A	
	08F49	.5	080			ETH	8300500	A	
	09F49	.5	090			ETH	8300510	A	
	10F49	.5	100			ETH	8300510	A	
	11F49	.5	110			ETH	8300510	A	
	12F49	.5	120			ETH	8300510	A	
	13F49	.5	130			ETH	8300510	A	
	14F49	.5	140			ETH	8300510	A	
	15F49	.5	150			ETH	8300510	A	
	16F49	.5	160			ETH	8300520	A	
	17F49	.5	170			ETH	8300520	A	
	18F49	.5	180			ETH	8300520	A	
	19F49	.5	190			ETH	8300520	A	
	20F49	.5	200			ETH	8300520	A	
	21F49	.5	210			ETH	8300520	A	
	22F49	.5	220			ETH	8300520	A	
	23F49	.5	230			ETH	8300530	A	
	24F49	.5	240			ETH	8300530	A	
	25F49	.5	250			ETH	8300530	A	
	26F49	.5	260			ETH	8300530	A	
	27F49	.5	270			ETH	8300530	A	
	28F49	.5	280			ETH	8300530	A	
	29F49	.5	290			ETH	8300530	A	
	30F49	.5	300			ETH	8300540	A	
	31F49	.5	310			ETH	8300540	A	
	32F49	15.5T	315			ETH	8300540	A	
P4VK 8301000	01K49	.5	010	S	-VSP	ETH	8301030	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	ELEMENT TAG	WIRE TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02K49	.5	020			ETH	8301000	A	
	03K49	.5	030			ETH	8301000	A	
	04K49	.5	040			ETH	8301000	A	
	05K49	.5	050			ETH	8301000	A	
	06K49	.5	060			ETH	8301000	A	
	07K49	.5	070			ETH	8301000	A	
	08K49	.5	080			ETH	8301000	A	
	09K49	.5	090			ETH	8301010	A	
	10K49	.5	100			ETH	8301010	A	
	11K49	.5	110			ETH	8301010	A	
	12K49	.5	120			ETH	8301010	A	
	13K49	.5	130			ETH	8301010	A	
	14K49	.5	140			ETH	8301010	A	
	15K49	.5	150			ETH	8301010	A	
	16K49	.5	160			ETH	8301020	A	
	17K49	.5	170			ETH	8301020	A	
	18K49	.5	180			ETH	8301020	A	
	19K49	.5	190			ETH	8301020	A	
	20K49	.5	200			ETH	8301020	A	
	21K49	.5	210			ETH	8301020	A	
	22K49	.5	220			ETH	8301020	A	
	23K49	.5	230			ETH	8301030	A	
	24K49	.5	240			ETH	8301030	A	
	25K49	.5	250			ETH	8301030	A	
	26K49	.5	260			ETH	8301030	A	
	27K49	.5	270			ETH	8301030	A	
	28K49	.5	280			ETH	8301030	A	
	29K49	.5	290			ETH	8301030	A	
	30K49	.5	300			ETH	8301040	A	
	31K49	.5	310			ETH	8301040	A	
	32K49	15.5T	315			ETH	8301040	A	
P4VL 8301100	01L49	.5	010	S	-VSP	ETH	8301100	A	
	02L49	.5	020			ETH	8301100	A	
	03L49	.5	030			ETH	8301100	A	
	04L49	.5	040			ETH	8301100	A	
	05L49	.5	050			ETH	8301100	A	
	06L49	.5	060			ETH	8301100	A	
	07L49	.5	070			ETH	8301100	A	
	08L49	.5	080			ETH	8301100	A	
	09L49	.5	090			ETH	8301110	A	
	10L49	.5	100			ETH	8301110	A	
	11L49	.5	110			ETH	8301110	A	
	12L49	.5	120			ETH	8301110	A	
	13L49	.5	130			ETH	8301110	A	
	14L49	.5	140			ETH	8301110	A	
	15L49	.5	150			ETH	8301110	A	
	16L49	.5	160			ETH	8301120	A	
	17L49	.5	170			ETH	8301120	A	
	18L49	.5	180			ETH	8301120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19L49	.5	190			ETH	8301120	A	
	20L49	.5	200			ETH	8301120	A	
	21L49	.5	210			ETH	8301120	A	
	22L49	.5	220			ETH	8301120	A	
	23L49	.5	230			ETH	8301130	A	
	24L49	.5	240			ETH	8301130	A	
	25L49	.5	250			ETH	8301130	A	
	26L49	.5	260			ETH	8301130	A	
	27L49	.5	270			ETH	8301130	A	
	28L49	.5	280			ETH	8301130	A	
	29L49	.5	290			ETH	8301130	A	
	30L49	.5	300			ETH	8301140	A	
	31L49	.5	310			ETH	8301140	A	
	32L49	15.5T	315			ETH	8301140	A	
P4VM 8301200	01M49	.5	010	S	-VSP	ETH	8301200	A	
	02M49	.5	020			ETH	8301200	A	
	03M49	.5	030			ETH	8301200	A	
	04M49	.5	040			ETH	8301200	A	
	05M49	.5	050			ETH	8301200	A	
	06M49	.5	060			ETH	8301200	A	
	07M49	.5	070			ETH	8301200	A	
	08M49	.5	080			ETH	8301200	A	
	09M49	.5	090			ETH	8301210	A	
	10M49	.5	100			ETH	8301210	A	
	11M49	.5	110			ETH	8301210	A	
	12M49	.5	120			ETH	8301210	A	
	13M49	.5	130			ETH	8301210	A	
	14M49	.5	140			ETH	8301210	A	
	15M49	.5	150			ETH	8301210	A	
	16M49	.5	160			ETH	8301220	A	
	17M49	.5	170			ETH	8301220	A	
	18M49	.5	180			ETH	8301220	A	
	19M49	.5	190			ETH	8301220	A	
	20M49	.5	200			ETH	8301220	A	
	21M49	.5	210			ETH	8301220	A	
	22M49	.5	220			ETH	8301220	A	
	23M49	.5	230			ETH	8301230	A	
	24M49	.5	240			ETH	8301230	A	
	25M49	.5	250			ETH	8301230	A	
	26M49	.5	260			ETH	8301230	A	
	27M49	.5	270			ETH	8301230	A	
	28M49	.5	280			ETH	8301230	A	
	29M49	.5	290			ETH	8301230	A	
	30M49	.5	300			ETH	8301240	A	
	31M49	.5	310			ETH	8301240	A	
	32M49	15.5T	315			ETH	8301240	A	
P4VN 8301300	01N49	.5	010	S	-VSP	ETH	8301300	A	



DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-8301300
 TYPE-PINLIST

533
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	ELEMENT TAG	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
-----	-----	-----	-----	-----	-----	-----	-----	-----
1	8	15	21	28 33	37	41	77	
	02N49	.5	020		ETH	8301300	A	
	03N49	.5	030		ETH	8301300	A	
	04N49	.5	040		ETH	8301300	A	
	05N49	.5	050		ETH	8301300	A	
	06N49	.5	060		ETH	8301300	A	
	07N49	.5	070		ETH	8301300	A	
	08N49	.5	080		ETH	8301300	A	
	09N49	.5	090		ETH	8301310	A	
	10N49	.5	100		ETH	8301310	A	
	11N49	.5	110		ETH	8301310	A	
	12N49	.5	120		ETH	8301310	A	
	13N49	.5	130		ETH	8301310	A	
	14N49	.5	140		ETH	8301310	A	
	15N49	.5	150		ETH	8301310	A	
	16N49	.5	160		ETH	8301320	A	
	17N49	.5	170		ETH	8301320	A	
	18N49	.5	180		ETH	8301320	A	
	19N49	.5	190		ETH	8301320	A	
	20N49	.5	200		ETH	8301320	A	
	21N49	.5	210		ETH	8301320	A	
	22N49	.5	220		ETH	8301320	A	
	23N49	.5	230		ETH	8301330	A	
	24N49	.5	240		ETH	8301330	A	
	25N49	.5	250		ETH	8301330	A	
	26N49	.5	260		ETH	8301330	A	
	27N49	.5	270		ETH	8301330	A	
	28N49	.5	280		ETH	8301330	A	
	29N49	.5	290		ETH	8301330	A	
	30N49	.5	300		ETH	8301340	A	
	31N49	.5	310		ETH	8301340	A	
	32N49	15.5T	315		ETH	8301340	A	
P4VP 8301400	01P49	.5	010	S	-VSP	ETH	8301400	A
	02P49	.5	020			ETH	8301400	A
	03P49	.5	030			ETH	8301400	A
	04P49	.5	040			ETH	8301400	A
	05P49	.5	050			ETH	8301400	A
	06P49	.5	060			ETH	8301400	A
	07P49	.5	070			ETH	8301400	A
	08P49	.5	080			ETH	8301400	A
	09P49	.5	090			ETH	8301410	A
	10P49	.5	100			ETH	8301410	A
	11P49	.5	110			ETH	8301410	A
	12P49	.5	120			ETH	8301410	A
	13P49	.5	130			ETH	8301410	A
	14P49	.5	140			ETH	8301410	A
	15P49	.5	150			ETH	8301410	A
	16P49	.5	160			ETH	8301420	A
	17P49	.5	170			ETH	8301420	A
	18P49	.5	180			ETH	8301420	A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19P49	.5	190			ETH	8301420	A	
	20P49	.5	200			ETH	8301420	A	
	21P49	.5	210			ETH	8301420	A	
	22P49	.5	220			ETH	8301420	A	
	23P49	.5	230			ETH	8301430	A	
	24P49	.5	240			ETH	8301430	A	
	25P49	.5	250			ETH	8301430	A	
	26P49	.5	260			ETH	8301430	A	
	27P49	.5	270			ETH	8301430	A	
	28P49	.5	280			ETH	8301430	A	
	29P49	.5	290			ETH	8301430	A	
	30P49	.5	300			ETH	8301440	A	
	31P49	.5	310			ETH	8301440	A	
	32P49	15.5T	315			ETH	8301440	A	
P4VQ									
8301500	01Q49	.5	010	S	-VSP	ETH	8301510	A	
	02Q49	.5	020			ETH	8301500	A	
	03Q49	.5	030			ETH	8301500	A	
	04Q49	.5	040			ETH	8301500	A	
	05Q49	.5	050			ETH	8301500	A	
	06Q49	.5	060			ETH	8301500	A	
	07Q49	.5	070			ETH	8301500	A	
	08Q49	.5	080			ETH	8301500	A	
	09Q49	.5	090			ETH	8301510	A	
	10Q49	.5	100			ETH	8301510	A	
	11Q49	.5	110			ETH	8301510	A	
	12Q49	.5	120			ETH	8301510	A	
	13Q49	.5	130			ETH	8301510	A	
	14Q49	.5	140			ETH	8301510	A	
	15Q49	.5	150			ETH	8301510	A	
	16Q49	.5	160			ETH	8301520	A	
	17Q49	.5	170			ETH	8301520	A	
	18Q49	.5	180			ETH	8301520	A	
	19Q49	.5	190			ETH	8301520	A	
	20Q49	.5	200			ETH	8301520	A	
	21Q49	.5	210			ETH	8301520	A	
	22Q49	.5	220			ETH	8301520	A	
	23Q49	.5	230			ETH	8301530	A	
	24Q49	.5	240			ETH	8301530	A	
	25Q49	.5	250			ETH	8301530	A	
	26Q49	.5	260			ETH	8301530	A	
	27Q49	.5	270			ETH	8301530	A	
	28Q49	.5	280			ETH	8301530	A	
	29Q49	.5	290			ETH	8301530	A	
	30Q49	.5	300			ETH	8301540	A	
	31Q49	.5	310			ETH	8301540	A	
	32Q49	15.5T	315			ETH	8301540	A	
P4VR									
8301600	01R49	.5	010	S	-VSP	ETH	8301610	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	ELEMENT TAG TYPE	WIRE TYPE	LOAD LINE	C/L	ERRO FLAG
1	8	15	21	28 33	37	41	77	
	02R49	.5	020		ETH	8301600	A	
	03R49	.5	030		ETH	8301600	A	
	04R49	.5	040		ETH	8301600	A	
	05R49	.5	050		ETH	8301600	A	
	06R49	.5	060		ETH	8301600	A	
	07R49	.5	070		ETH	8301600	A	
	08R49	.5	080		ETH	8301600	A	
	09R49	.5	090		ETH	8301610	A	
	10R49	.5	100		ETH	8301610	A	
	11R49	.5	110		ETH	8301610	A	
	12R49	.5	120		ETH	8301610	A	
	13R49	.5	130		ETH	8301610	A	
	14R49	.5	140		ETH	8301610	A	
	15R49	.5	150		ETH	8301610	A	
	16R49	.5	160		ETH	8301620	A	
	17R49	.5	170		ETH	8301620	A	
	18R49	.5	180		ETH	8301620	A	
	19R49	.5	190		ETH	8301620	A	
	20R49	.5	200		ETH	8301620	A	
	21R49	.5	210		ETH	8301620	A	
	22R49	.5	220		ETH	8301620	A	
	23R49	.5	230		ETH	8301630	A	
	24R49	.5	240		ETH	8301630	A	
	25R49	.5	250		ETH	8301630	A	
	26R49	.5	260		ETH	8301630	A	
	27R49	.5	270		ETH	8301630	A	
	28R49	.5	280		ETH	8301630	A	
	29R49	.5	290		ETH	8301630	A	
	30R49	.5	300		ETH	8301640	A	
	31R49	.5	310		ETH	8301640	A	
	32R49	15.5T	315		ETH	8301640	A	
P4VS								
8301700	01S49	.5	010	S -VSP	ETH	8301700	A	
	02S49	.5	020		ETH	8301700	A	
	03S49	.5	030		ETH	8301700	A	
	04S49	.5	040		ETH	8301700	A	
	05S49	.5	050		ETH	8301700	A	
	06S49	.5	060		ETH	8301700	A	
	07S49	.5	070		ETH	8301700	A	
	08S49	.5	080		ETH	8301700	A	
	09S49	.5	090		ETH	8301710	A	
	10S49	.5	100		ETH	8301710	A	
	11S49	.5	110		ETH	8301710	A	
	12S49	.5	120		ETH	8301710	A	
	13S49	.5	130		ETH	8301710	A	
	14S49	.5	140		ETH	8301710	A	
	15S49	.5	150		ETH	8301710	A	
	16S49	.5	160		ETH	8301720	A	
	17S49	.5	170		ETH	8301720	A	
	18S49	.5	180		ETH	8301720	A	



XEROX DATA SYSTEMS

DRAWING NO. - 133264-001 AC
PROG-PNFRM LINE NO. -8301700
TYPE-PINLIST

536
133264AC
10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19S49	.5	190			ETH	8301720	A	
	20S49	.5	200			ETH	8301720	A	
	21S49	.5	210			ETH	8301720	A	
	22S49	.5	220			ETH	8301720	A	
	23S49	.5	230			ETH	8301730	A	
	24S49	.5	240			ETH	8301730	A	
	25S49	.5	250			ETH	8301730	A	
	26S49	.5	260			ETH	8301730	A	
	27S49	.5	270			ETH	8301730	A	
	28S49	.5	280			ETH	8301730	A	
	29S49	.5	290			ETH	8301730	A	
	30S49	.5	300			ETH	8301740	A	
	31S49	.5	310			ETH	8301740	A	
	32S49	15.5T	315			ETH	8301740	A	
P4VT 8301800	01T49	.5	010	S	-VSP	ETH	8301800	A	
	02T49	.5	020			ETH	8301800	A	
	03T49	.5	030			ETH	8301800	A	
	04T49	.5	040			ETH	8301800	A	
	05T49	.5	050			ETH	8301800	A	
	06T49	.5	060			ETH	8301800	A	
	07T49	.5	070			ETH	8301800	A	
	08T49	.5	080			ETH	8301800	A	
	09T49	.5	090			ETH	8301810	A	
	10T49	.5	100			ETH	8301810	A	
	11T49	.5	110			ETH	8301810	A	
	12T49	.5	120			ETH	8301810	A	
	13T49	.5	130			ETH	8301810	A	
	14T49	.5	140			ETH	8301810	A	
	15T49	.5	150			ETH	8301810	A	
	16T49	.5	160			ETH	8301820	A	
	17T49	.5	170			ETH	8301820	A	
	18T49	.5	180			ETH	8301820	A	
	19T49	.5	190			ETH	8301820	A	
	20T49	.5	200			ETH	8301820	A	
	21T49	.5	210			ETH	8301820	A	
	22T49	.5	220			ETH	8301820	A	
	23T49	.5	230			ETH	8301830	A	
	24T49	.5	240			ETH	8301830	A	
	25T49	.5	250			ETH	8301830	A	
	26T49	.5	260			ETH	8301830	A	
	27T49	.5	270			ETH	8301830	A	
	28T49	.5	280			ETH	8301830	A	
	29T49	.5	290			ETH	8301830	A	
	30T49	.5	300			ETH	8301840	A	
	31T49	.5	310			ETH	8301840	A	
	32T49	15.5T	315			ETH	8301840	A	
P8VA 8302000	01A51	.5	010	S	-VSP	ETH	8302000	A	



DRAWING NO.- 133264-001 AC
 PROG-PNFRM LINE NO.-8302000
 TYPE-PINLIST

537
 133264AC
 10/27/71

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02A51	.5	020			ETH	8302000	A	
	03A51	.5	030			ETH	8302000	A	
	04A51	.5	040			ETH	8302000	A	
	05A51	.5	050			ETH	8302000	A	
	06A51	.5	060			ETH	8302000	A	
	07A51	.5	070			ETH	8302000	A	
	08A51	.5	080			ETH	8302000	A	
	09A51	.5	090			ETH	8302010	A	
	10A51	.5	100			ETH	8302010	A	
	11A51	.5	110			ETH	8302010	A	
	12A51	.5	120			ETH	8302010	A	
	13A51	.5	130			ETH	8302010	A	
	14A51	.5	140			ETH	8302010	A	
	15A51	.5	150			ETH	8302010	A	
	16A51	.5	160			ETH	8302020	A	
	17A51	.5	170			ETH	8302020	A	
	18A51	.5	180			ETH	8302020	A	
	19A51	.5	190			ETH	8302020	A	
	20A51	.5	200			ETH	8302020	A	
	21A51	.5	210			ETH	8302020	A	
	22A51	.5	220			ETH	8302020	A	
	23A51	.5	230			ETH	8302030	A	
	24A51	.5	240			ETH	8302030	A	
	25A51	.5	250			ETH	8302030	A	
	26A51	.5	260			ETH	8302030	A	
	27A51	.5	270			ETH	8302030	A	
	28A51	.5	280			ETH	8302030	A	
	29A51	.5	290			ETH	8302030	A	
	30A51	.5	300			ETH	8302040	A	
	31A51	.5	310			ETH	8302040	A	
	32A51	15.5T	315			ETH	8302040	A	
P8VB 8302100	32B51	.5	010			ETH	8302140	A	
	31B51	.5	020			ETH	8302140	A	
	30B51	.5	030			ETH	8302130	A	
	29B51	.5	040			ETH	8302130	A	
	28B51	.5	050			ETH	8302140	A	
	27B51	.5	060			ETH	8302120	A	
	26B51	.5	070			ETH	8302130	A	
	25B51	.5	080			ETH	8302130	A	
	24B51	.5	090			ETH	8302130	A	
	23B51	.5	100			ETH	8302130	A	
	22B51	.5	110			ETH	8302120	A	
	21B51	.5	120			ETH	8302130	A	
	20B51	.5	130			ETH	8302120	A	
	19B51	.5	140			ETH	8302120	A	
	18B51	.5	150			ETH	8302120	A	
	17B51	.5	160			ETH	8302120	A	
	16B51	.5	170			ETH	8302120	A	
	15B51	.5	180			ETH	8302110	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	14B51	.5	190			ETH	8302110	A	
	13B51	.5	200			ETH	8302110	A	
	12B51	.5	210			ETH	8302110	A	
	11B51	.5	220			ETH	8302110	A	
	10B51	.5	230			ETH	8302110	A	
	09B51	.5	240			ETH	8302110	A	
	08B51	.5	250			ETH	8302100	A	
	07B51	.5	260			ETH	8302100	A	
	06B51	.5	270			ETH	8302100	A	
	05B51	.5	280			ETH	8302100	A	
	04B51	.5	290			ETH	8302100	A	
	03B51	.5	300			ETH	8302100	A	
	02B51	.5	310			ETH	8302100	A	
	01B51	15.5T	315	S	-VSP	ETH	8302130	A	
PBVC 8302200	32C51	.5	010			ETH	8302240	A	
	31C51	.5	020			ETH	8302240	A	
	30C51	.5	030			ETH	8302220	A	
	29C51	.5	040			ETH	8302220	A	
	28C51	.5	050			ETH	8302240	A	
	27C51	.5	060			ETH	8302230	A	
	26C51	.5	070			ETH	8302230	A	
	25C51	.5	080			ETH	8302230	A	
	24C51	.5	090			ETH	8302230	A	
	23C51	.5	100			ETH	8302230	A	
	22C51	.5	110			ETH	8302230	A	
	21C51	.5	120			ETH	8302230	A	
	20C51	.5	130			ETH	8302220	A	
	19C51	.5	140			ETH	8302220	A	
	18C51	.5	150			ETH	8302220	A	
	17C51	.5	160			ETH	8302220	A	
	16C51	.5	170			ETH	8302220	A	
	15C51	.5	180			ETH	8302210	A	
	14C51	.5	190			ETH	8302210	A	
	13C51	.5	200			ETH	8302210	A	
	12C51	.5	210			ETH	8302210	A	
	11C51	.5	220			ETH	8302210	A	
	10C51	.5	230			ETH	8302210	A	
	09C51	.5	240			ETH	8302210	A	
	08C51	.5	250			ETH	8302200	A	
	07C51	.5	260			ETH	8302200	A	
	06C51	.5	270			ETH	8302200	A	
	05C51	.5	280			ETH	8302200	A	
	04C51	.5	290			ETH	8302200	A	
	03C51	.5	300			ETH	8302200	A	
	02C51	.5	310			ETH	8302200	A	
	01C51	15.5T	315	S	-VSP	ETH	8302240	A	
P8VD 8302300	01D51	.5	010	S	-VSP	ETH	8302300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02D51	.5	020			ETH	8302300	A	
	03D51	.5	030			ETH	8302300	A	
	04D51	.5	040			ETH	8302300	A	
	05D51	.5	050			ETH	8302300	A	
	06D51	.5	060			ETH	8302300	A	
	07D51	.5	070			ETH	8302300	A	
	08D51	.5	080			ETH	8302300	A	
	09D51	.5	090			ETH	8302310	A	
	10D51	.5	100			ETH	8302310	A	
	11D51	.5	110			ETH	8302310	A	
	12D51	.5	120			ETH	8302310	A	
	13D51	.5	130			ETH	8302310	A	
	14D51	.5	140			ETH	8302310	A	
	15D51	.5	150			ETH	8302310	A	
	16D51	.5	160			ETH	8302320	A	
	17D51	.5	170			ETH	8302320	A	
	18D51	.5	180			ETH	8302320	A	
	19D51	.5	190			ETH	8302320	A	
	20D51	.5	200			ETH	8302320	A	
	21D51	.5	210			ETH	8302320	A	
	22D51	.5	220			ETH	8302320	A	
	23D51	.5	230			ETH	8302330	A	
	24D51	.5	240			ETH	8302330	A	
	25D51	.5	250			ETH	8302330	A	
	26D51	.5	260			ETH	8302330	A	
	27D51	.5	270			ETH	8302330	A	
	28D51	.5	280			ETH	8302330	A	
	29D51	.5	290			ETH	8302330	A	
	30D51	.5	300			ETH	8302340	A	
	31D51	.5	310			ETH	8302340	A	
	32D51	15.5T	315			ETH	8302340	A	
P8VE 8302400	01E51	.5	010	S	-VSP	ETH	8302400	A	
	02E51	.5	020			ETH	8302400	A	
	03E51	.5	030			ETH	8302410	A	
	04E51	.5	040			ETH	8302400	A	
	05E51	.5	050			ETH	8302400	A	
	06E51	.5	060			ETH	8302400	A	
	07E51	.5	070			ETH	8302400	A	
	08E51	.5	080			ETH	8302400	A	
	09E51	.5	090			ETH	8302400	A	
	10E51	.5	100			ETH	8302410	A	
	11E51	.5	110			ETH	8302410	A	
	12E51	.5	120			ETH	8302410	A	
	13E51	.5	130			ETH	8302410	A	
	14E51	.5	140			ETH	8302410	A	
	15E51	.5	150			ETH	8302410	A	
	16E51	.5	160			ETH	8302420	A	
	17E51	.5	170			ETH	8302420	A	
	18E51	.5	180			ETH	8302420	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19E51	.5	190			ETH	8302420	A	
	20E51	.5	200			ETH	8302420	A	
	21E51	.5	210			ETH	8302420	A	
	22F51	.5	220			ETH	8302420	A	
	23E51	.5	230			ETH	8302430	A	
	24E51	.5	240			ETH	8302430	A	
	25E51	.5	250			ETH	8302430	A	
	26E51	.5	260			ETH	8302430	A	
	27E51	.5	270			ETH	8302430	A	
	28E51	.5	280			ETH	8302430	A	
	29E51	.5	290			ETH	8302430	A	
	30E51	.5	300			ETH	8302440	A	
	31E51	.5	310			ETH	8302440	A	
	32E51	15.5T	315			ETH	8302440	A	
PBVF 8302500	01F51	.5	010	S	-VSP	ETH	8302500	A	
	02F51	.5	020			ETH	8302500	A	
	03F51	.5	030			ETH	8302500	A	
	04F51	.5	040			ETH	8302500	A	
	05F51	.5	050			ETH	8302500	A	
	06F51	.5	060			ETH	8302500	A	
	07F51	.5	070			ETH	8302500	A	
	08F51	.5	080			ETH	8302500	A	
	09F51	.5	090			ETH	8302510	A	
	10F51	.5	100			ETH	8302510	A	
	11F51	.5	110			ETH	8302510	A	
	12F51	.5	120			ETH	8302510	A	
	13F51	.5	130			ETH	8302510	A	
	14F51	.5	140			ETH	8302510	A	
	15F51	.5	150			ETH	8302510	A	
	16F51	.5	160			ETH	8302520	A	
	17F51	.5	170			ETH	8302520	A	
	18F51	.5	180			ETH	8302520	A	
	19F51	.5	190			ETH	8302520	A	
	20F51	.5	200			ETH	8302520	A	
	21F51	.5	210			ETH	8302520	A	
	22F51	.5	220			ETH	8302520	A	
	23F51	.5	230			ETH	8302530	A	
	24F51	.5	240			ETH	8302530	A	
	25F51	.5	250			ETH	8302530	A	
	26F51	.5	260			ETH	8302530	A	
	27F51	.5	270			ETH	8302530	A	
	28F51	.5	280			ETH	8302530	A	
	29F51	.5	290			ETH	8302530	A	
	30F51	.5	300			ETH	8302540	A	
	31F51	.5	310			ETH	8302540	A	
	32F51	15.5T	315			ETH	8302540	A	
PBVK 8303000	01K51	.5	010	S	-VSP	ETH	8303000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02K51	.5	020			ETH	8303000	A	
	03K51	.5	030			ETH	8303000	A	
	04K51	.5	040			ETH	8303000	A	
	05K51	.5	050			ETH	8303000	A	
	06K51	.5	060			ETH	8303000	A	
	07K51	.5	070			ETH	8303000	A	
	08K51	.5	080			ETH	8303000	A	
	09K51	.5	090			ETH	8303010	A	
	10K51	.5	100			ETH	8303010	A	
	11K51	.5	110			ETH	8303010	A	
	12K51	.5	120			ETH	8303010	A	
	13K51	.5	130			ETH	8303010	A	
	14K51	.5	140			ETH	8303010	A	
	15K51	.5	150			ETH	8303010	A	
	16K51	.5	160			ETH	8303020	A	
	17K51	.5	170			ETH	8303020	A	
	18K51	.5	180			ETH	8303020	A	
	19K51	.5	190			ETH	8303020	A	
	20K51	.5	200			ETH	8303020	A	
	21K51	.5	210			ETH	8303020	A	
	22K51	.5	220			ETH	8303020	A	
	23K51	.5	230			ETH	8303030	A	
	24K51	.5	240			ETH	8303030	A	
	25K51	.5	250			ETH	8303030	A	
	26K51	.5	260			ETH	8303030	A	
	27K51	.5	270			ETH	8303030	A	
	28K51	.5	280			ETH	8303030	A	
	29K51	.5	290			ETH	8303030	A	
	30K51	.5	300			ETH	8303040	A	
	31K51	.5	310			ETH	8303040	A	
	32K51	15.5T	315			ETH	8303040	A	
P8VL 8303100	01L51	.5	010	S	-VSP	ETH	8303110	A	
	02L51	.5	020			ETH	8303100	A	
	03L51	.5	030			ETH	8303100	A	
	04L51	.5	040			ETH	8303100	A	
	05L51	.5	050			ETH	8303100	A	
	06L51	.5	060			ETH	8303100	A	
	07L51	.5	070			ETH	8303100	A	
	08L51	.5	080			ETH	8303100	A	
	09L51	.5	090			ETH	8303110	A	
	10L51	.5	100			ETH	8303110	A	
	11L51	.5	110			ETH	8303110	A	
	12L51	.5	120			ETH	8303110	A	
	13L51	.5	130			ETH	8303110	A	
	14L51	.5	140			ETH	8303110	A	
	15L51	.5	150			ETH	8303110	A	
	16L51	.5	160			ETH	8303120	A	
	17L51	.5	170			ETH	8303120	A	
	18L51	.5	180			ETH	8303120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	19L51	.5	190			ETH	8303120	A	
	20L51	.5	200			ETH	8303120	A	
	21L51	.5	210			ETH	8303120	A	
	22L51	.5	220			ETH	8303120	A	
	23L51	.5	230			ETH	8303130	A	
	24L51	.5	240			ETH	8303130	A	
	25L51	.5	250			ETH	8303130	A	
	26L51	.5	260			ETH	8303130	A	
	27L51	.5	270			ETH	8303130	A	
	28L51	.5	280			ETH	8303130	-A	
	29L51	.5	290			ETH	8303130	A	
	30L51	.5	300			ETH	8303140	A	
	31L51	.5	310			ETH	8303140	A	
	32L51	15.5T	315			ETH	8303140	A	
P8VM									
8303200	01M51	.5	010	S	-VSP	ETH	8303220	A	
	02M51	.5	020			ETH	8303200	A	
	03M51	.5	030			ETH	8303200	A	
	04M51	.5	040			ETH	8303200	A	
	05M51	.5	050			ETH	8303200	A	
	06M51	.5	060			ETH	8303200	A	
	07M51	.5	070			ETH	8303200	A	
	08M51	.5	080			ETH	8303200	A	
	09M51	.5	090			ETH	8303210	A	
	10M51	.5	100			ETH	8303210	A	
	11M51	.5	110			ETH	8303210	A	
	12M51	.5	120			ETH	8303210	A	
	13M51	.5	130			ETH	8303210	A	
	14M51	.5	140			ETH	8303210	A	
	15M51	.5	150			ETH	8303210	A	
	16M51	.5	160			ETH	8303220	A	
	17M51	.5	170			ETH	8303220	A	
	18M51	.5	180			ETH	8303220	A	
	19M51	.5	190			ETH	8303220	A	
	20M51	.5	200			ETH	8303220	A	
	21M51	.5	210			ETH	8303220	A	
	22M51	.5	220			ETH	8303220	A	
	23M51	.5	230			ETH	8303230	A	
	24M51	.5	240			ETH	8303230	A	
	25M51	.5	250			ETH	8303230	A	
	26M51	.5	260			ETH	8303230	A	
	27M51	.5	270			ETH	8303230	A	
	28M51	.5	280			ETH	8303230	A	
	29M51	.5	290			ETH	8303230	A	
	30M51	.5	300			ETH	8303240	A	
	31M51	.5	310			ETH	8303240	A	
	32M51	15.5T	315			ETH	8303240	A	
P8VN									
8303300	01N51	.5	010	S	-VSP	ETH	8303300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02N51	.5	020			ETH	8303300	A	
	03N51	.5	030			ETH	8303300	A	
	04N51	.5	040			ETH	8303300	A	
	05N51	.5	050			ETH	8303300	A	
	06N51	.5	060			ETH	8303300	A	
	07N51	.5	070			ETH	8303300	A	
	08N51	.5	080			ETH	8303300	A	
	09N51	.5	090			ETH	8303310	A	
	10N51	.5	100			ETH	8303310	A	
	11N51	.5	110			ETH	8303310	A	
	12N51	.5	120			ETH	8303310	A	
	13N51	.5	130			ETH	8303310	A	
	14N51	.5	140			ETH	8303310	A	
	15N51	.5	150			ETH	8303310	A	
	16N51	.5	160			ETH	8303320	A	
	17N51	.5	170			ETH	8303320	A	
	18N51	.5	180			ETH	8303320	A	
	19N51	.5	190			ETH	8303320	A	
	20N51	.5	200			ETH	8303320	A	
	21N51	.5	210			ETH	8303320	A	
	22N51	.5	220			ETH	8303320	A	
	23N51	.5	230			ETH	8303330	A	
	24N51	.5	240			ETH	8303330	A	
	25N51	.5	250			ETH	8303330	A	
	26N51	.5	260			ETH	8303330	A	
	27N51	.5	270			ETH	8303330	A	
	28N51	.5	280			ETH	8303330	A	
	29N51	.5	290			ETH	8303330	A	
	30N51	.5	300			ETH	8303340	A	
	31N51	.5	310			ETH	8303340	A	
	32N51	15.5T	315			ETH	8303340	A	
P8VP									
8303400	01P51	.5	010	S	-VSP	ETH	8303400	A	
	02P51	.5	020			ETH	8303400	A	
	03P51	.5	030			ETH	8303400	A	
	04P51	.5	040			ETH	8303400	A	
	05P51	.5	050			ETH	8303400	A	
	06P51	.5	060			ETH	8303400	A	
	07P51	.5	070			ETH	8303400	A	
	08P51	.5	080			ETH	8303400	A	
	09P51	.5	090			ETH	8303410	A	
	10P51	.5	100			ETH	8303410	A	
	11P51	.5	110			ETH	8303410	A	
	12P51	.5	120			ETH	8303410	A	
	13P51	.5	130			ETH	8303410	A	
	14P51	.5	140			ETH	8303410	A	
	15P51	.5	150			ETH	8303410	A	
	16P51	.5	160			ETH	8303420	A	
	17P51	.5	170			ETH	8303420	A	
	18P51	.5	180			ETH	8303420	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	ELEMENT TAG	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77
	19P51	.5	190		ETH	8303420	A	
	20P51	.5	200		ETH	8303420	A	
	21P51	.5	210		ETH	8303420	A	
	22P51	.5	220		ETH	8303420	A	
	23P51	.5	230		ETH	8303430	A	
	24P51	.5	240		ETH	8303430	A	
	25P51	.5	250		ETH	8303430	A	
	26P51	.5	260		ETH	8303430	A	
	27P51	.5	270		ETH	8303430	A	
	28P51	.5	280		ETH	8303430	A	
	29P51	.5	290		ETH	8303430	A	
	30P51	.5	300		ETH	8303440	A	
	31P51	.5	310		ETH	8303440	A	
	32P51	15.5T	315		ETH	8303440	A	
PBVQ								
8303500	01Q51	.5	010	S	-VSP	ETH	8303500	A
	02Q51	.5	020			ETH	8303500	A
	03Q51	.5	030			ETH	8303500	A
	04Q51	.5	040			ETH	8303500	A
	05Q51	.5	050			ETH	8303500	A
	06Q51	.5	060			ETH	8303500	A
	07Q51	.5	070			ETH	8303500	A
	08Q51	.5	080			ETH	8303500	A
	09Q51	.5	090			ETH	8303510	A
	10Q51	.5	100			ETH	8303510	A
	11Q51	.5	110			ETH	8303510	A
	12Q51	.5	120			ETH	8303510	A
	13Q51	.5	130			ETH	8303510	A
	14Q51	.5	140			ETH	8303510	A
	15Q51	.5	150			ETH	8303510	A
	16Q51	.5	160			ETH	8303520	A
	17Q51	.5	170			ETH	8303520	A
	18Q51	.5	180			ETH	8303520	A
	19Q51	.5	190			ETH	8303520	A
	20Q51	.5	200			ETH	8303520	A
	21Q51	.5	210			ETH	8303520	A
	22Q51	.5	220			ETH	8303520	A
	23Q51	.5	230			ETH	8303530	A
	24Q51	.5	240			ETH	8303530	A
	25Q51	.5	250			ETH	8303530	A
	26Q51	.5	260			ETH	8303530	A
	27Q51	.5	270			ETH	8303530	A
	28Q51	.5	280			ETH	8303530	A
	29Q51	.5	290			ETH	8303530	A
	30Q51	.5	300			ETH	8303540	A
	31Q51	.5	310			ETH	8303540	A
	32Q51	15.5T	315			ETH	8303540	A
PBVR								
8303600	01R51	.5	010	S	-VSP	ETH	8303640	A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	02R51	.5	020			ETH	8303600	A	
	03R51	.5	030			ETH	8303600	A	
	04R51	.5	040			ETH	8303600	A	
	05R51	.5	050			FTH	8303600	A	
	06R51	.5	060			ETH	8303600	A	
	07R51	.5	070			ETH	8303600	A	
	08R51	.5	080			ETH	8303600	A	
	09R51	.5	090			ETH	8303610	A	
	10R51	.5	100			ETH	8303610	A	
	11R51	.5	110			ETH	8303610	A	
	12R51	.5	120			ETH	8303610	A	
	13R51	.5	130			ETH	8303610	A	
	14R51	.5	140			ETH	8303610	A	
	15R51	.5	150			ETH	8303610	A	
	16R51	.5	160			ETH	8303620	A	
	17R51	.5	170			ETH	8303620	A	
	18R51	.5	180			ETH	8303620	A	
	19R51	.5	190			ETH	8303620	A	
	20R51	.5	200			ETH	8303620	A	
	21R51	.5	210			ETH	8303620	A	
	22R51	.5	220			ETH	8303620	A	
	23R51	.5	230			ETH	8303630	A	
	24R51	.5	240			ETH	8303630	A	
	25R51	.5	250			ETH	8303630	A	
	26R51	.5	260			ETH	8303630	A	
	27R51	.5	270			ETH	8303630	A	
	28R51	.5	280			ETH	8303630	A	
	29R51	.5	290			ETH	8303630	A	
	30R51	.5	300			ETH	8303640	A	
	31R51	.5	310			ETH	8303640	A	
	32R51	15.5T	315			ETH	8303640	A	
PBVS 8303700	01S51	.5	010	S	-VSP	ETH	8303740	A	
	02S51	.5	020			ETH	8303700	A	
	03S51	.5	030			ETH	8303700	A	
	04S51	.5	040			ETH	8303700	A	
	05S51	.5	050			ETH	8303700	A	
	06S51	.5	060			ETH	8303700	A	
	07S51	.5	070			ETH	8303700	A	
	08S51	.5	080			ETH	8303700	A	
	09S51	.5	090			ETH	8303710	A	
	10S51	.5	100			ETH	8303710	A	
	11S51	.5	110			ETH	8303710	A	
	12S51	.5	120			ETH	8303710	A	
	13S51	.5	130			ETH	8303710	A	
	14S51	.5	140			ETH	8303710	A	
	15S51	.5	150			ETH	8303710	A	
	16S51	.5	160			ETH	8303720	A	
	17S51	.5	170			ETH	8303720	A	
	18S51	.5	180			ETH	8303720	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19S51	.5	190		ETH	8303720	A	
		20S51	.5	200		ETH	8303720	A	
		21S51	.5	210		ETH	8303720	A	
		22S51	.5	220		ETH	8303720	A	
		23S51	.5	230		ETH	8303730	A	
		24S51	.5	240		ETH	8303730	A	
		25S51	.5	250		ETH	8303730	A	
		26S51	.5	260		ETH	8303730	A	
		27S51	.5	270		ETH	8303730	A	
		28S51	.5	280		ETH	8303730	A	
		29S51	.5	290		ETH	8303730	A	
		30S51	.5	300		ETH	8303740	A	
		31S51	.5	310		ETH	8303740	A	
		32S51	15.5T	315		ETH	8303740	A	
P8VT									
8303800	01T51	.5	010	S	-VSP	ETH	8303800	A	
	02T51	.5	020			ETH	8303800	A	
	03T51	.5	030			ETH	8303800	A	
	04T51	.5	040			ETH	8303800	A	
	05T51	.5	050			ETH	8303800	A	
	06T51	.5	060			ETH	8303800	A	
	07T51	.5	070			ETH	8303800	A	
	08T51	.5	080			ETH	8303800	A	
	09T51	.5	090			ETH	8303810	A	
	10T51	.5	100			ETH	8303810	A	
	11T51	.5	110			ETH	8303810	A	
	12T51	.5	120			ETH	8303810	A	
	13T51	.5	130			ETH	8303810	A	
	14T51	.5	140			ETH	8303810	A	
	15T51	.5	150			ETH	8303810	A	
	16T51	.5	160			ETH	8303820	A	
	17T51	.5	170			ETH	8303820	A	
	18T51	.5	180			ETH	8303820	A	
	19T51	.5	190			ETH	8303820	A	
	20T51	.5	200			ETH	8303820	A	
	21T51	.5	210			ETH	8303820	A	
	22T51	.5	220			ETH	8303820	A	
	23T51	.5	230			ETH	8303830	A	
	24T51	.5	240			ETH	8303830	A	
	25T51	.5	250			ETH	8303830	A	
	26T51	.5	260			ETH	8303830	A	
	27T51	.5	270			ETH	8303830	A	
	28T51	.5	280			ETH	8303830	A	
	29T51	.5	290			ETH	8303830	A	
	30T51	.5	300			ETH	8303840	A	
	31T51	.5	310			ETH	8303840	A	
	32T51	15.5T	315			ETH	8303840	A	
M8VA									
8304000	15A50	.0T	005	S	-VSP		8304000	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
MBVB 8304100	01B50 02B50	.5 .5T	010 015	S	-VSP		8304100 8304100	A A	
MBVE 8304400	09E50	.0T	005	S	-VSP		8304400	A	1
MBVF 8304500	05F50 07F50 09F50	1.0 1.0 2.0T	010 020 025	S	-VSP		8304500 8304500 8304500	A A A	
MBVK 8304600	23K50 22K50 21K50 20K50 19K50 18K50 17K50 16K50 15K50 13K50 12K50 11K50 10K50 09K50 08K50 07K50 06K50 05K50 02K50 01K50	.5 .5 .5 .5 .5 .5 .5 .5 1.0 .5 .5 .5 .5 .5 .5 .5 .5 1.5 .5 11.0T	010 020 030 040 050 060 070 080 090 100 110 120 130 140 150 160 170 180 190 195	S	-VSP		8304600 8304600 8304600 8304600 8304600 8304600 8304600 8304610 8304610 8304610 8304610 8304610 8304610 8304610 8304620 8304620 8304620 8304620 8304620 8304620 8304620	A A	
MBVL 8304700	17L50 10L50 08L50	3.5 1.0 4.5T	010 020 025	S	-VSP		8304700 8304700 8304700	A A A	
MBVM 8304800	17M50 12M50 09M50	2.5 1.5 4.0T	010 020 025	S	-VSP		8304800 8304800 8304800	A A A	
MBVN 8304900	31N50 27N50 04N50 03N50 02N50 01N50	2.0 11.5 .5 .5 .5 15.0T	010 020 030 040 050 055	S	-VSP		8304900 8304900 8304900 8304900 8304900 8304900	A A A A A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
MBVP									
8305000	25P50	3.5	010	S	-VSP		8305000	A	
	18P50	3.5T	015				8305000	A	
MBVQ									
8305100	29Q50	1.5	010	S	-VSP		8305100	A	
	26Q50	2.0	020				8305100	A	
	22Q50	2.0	030				8305100	A	
	18Q50	5.5T	035				8305100	A	
MBVR									
8305200	22R50	2.0	010	S	-VSP		8305200	A	
	18R50	1.5	020				8305200	A	
	15R50	5.5	030				8305200	A	
	04R50	1.0	040				8305200	A	
	02R50	10.0T	045				8305200	A	
MBVS									
8305300	31S50	1.0	010	S	-VSP		8305300	A	
	29S50	1.5	020				8305300	A	
	26S50	5.5	030				8305300	A	
	15S50	3.0	040				8305300	A	
	09S50	.5	050				8305300	A	
	08S50	.5	060				8305300	A	
	07S50	.5	070				8305300	A	
	06S50	.5	080				8305310	A	
	05S50	.5	090				8305310	A	
	04S50	.5	100				8305310	A	
	03S50	.5	110				8305310	A	
	02S50	.5	120				8305310	A	
	01S50	15.0T	125				8305310	A	
MBVT									
8305400	32T50	.5	010	S	-VSP		8305420	A	
	31T50	1.0	020				8305400	A	
	29T50	1.0	030				8305400	A	
	27T50	1.0	040				8305400	A	
	25T50	.5	050				8305400	A	
	24T50	.5	060				8305400	A	
	23T50	.5	070				8305400	A	
	22T50	.5	080				8305410	A	
	21T50	.5	090				8305410	A	
	20T50	.5	100				8305410	A	
	19T50	.5	110				8305410	A	
	18T50	2.5	120				8305410	A	
	13T50	.5	130				8305410	A	
	12T50	.5	140				8305420	A	
	11T50	.5	150				8305420	A	
	10T50	.5	160				8305420	A	
	09T50	.5	170				8305420	A	
	08T50	.5	180				8305420	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	ELEMENT TAG	WIRE TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	07T50	.5	190				8305420	A	
	06T50	.5	200				8305430	A	
	05T50	.5	210				8305430	A	
	04T50	.5	220				8305430	A	
	03T50	.5	230				8305430	A	
	02T50	.5	240				8305430	A	
	01T50	15.5T	245				8305430	A	

PINS-20257
LINE NO.S-4111
LINKS-16146

ERROR FLAG DICTIONARY

TABLE OF CONTENTS

I = NO INTERCONNECTION
P = ILLEGAL PIN FIELD

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819	LINE NO.S HAVE	2	PINS
555	LINE NO.S HAVE	3	PINS
398	LINE NO.S HAVE	4	PINS
320	LINE NO.S HAVE	5	PINS
288	LINE NO.S HAVE	6	PINS
202	LINE NO.S HAVE	7	PINS
137	LINE NO.S HAVE	8	PINS
126	LINE NO.S HAVE	9	PINS
109	LINE NO.S HAVE	10	PINS
71	LINE NO.S HAVE	11	PINS
73	LINE NO.S HAVE	12	PINS
50	LINE NO.S HAVE	13	PINS
52	LINE NO.S HAVE	14	PINS
41	LINE NO.S HAVE	15	PINS
30	LINE NO.S HAVE	16	PINS
30	LINE NO.S HAVE	17	PINS
22	LINE NO.S HAVE	18	PINS
4	LINE NO.S HAVE	19	PINS
10	LINE NO.S HAVE	20	PINS
4	LINE NO.S HAVE	21	PINS
4	LINE NO.S HAVE	22	PINS
1	LINE NO.S HAVE	23	PINS
3	LINE NO.S HAVE	25	PINS
1	LINE NO.S HAVE	27	PINS

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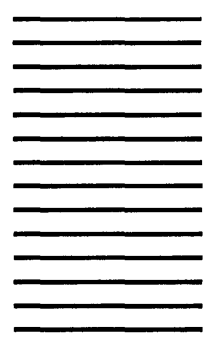
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