ARMY
NAVY
AIR FORCE

TM 11-7010-201-40-2
ET821-AA-MMI-020/E154 MTS
T.O. 31S5-2TSQ73-2-2

TECHNICAL MANUAL

GENERAL SUPPORT
MAINTENANCE MANUAL
FOR
TEST SET, ELECTRONIC CIRCUIT PLUG-IN UNIT
TS-3317( )/TSQ-73
(NSN 1430-01-033-1078

INCLUDING
OPERATION AND MAINTENANCE
MTS TEST AID ASSEMBLY
PART NUMBER TE113980

DEPARTMENTS OF THE ARMY, NAVY, AND AIR FORCE

22 SEPTEMBER 1983

5 SAFETY STEPS TO FOLLOW IF SOMEONE IS THE VICTIM OF ELECTRICAL SHOCK

1. DO NOT TRY TO PULL OR GRAB THE INDIVIDUAL

2. IF POSSIBLE, TURN OFF THE ELECTRICAL POWER

3. IF YOU CANNOT TURN OFF THE ELECTRICAL POWER, PULL, PUSH, OR LIFT THE PERSON TO SAFETY USING A DRY WOODEN POLE OR A DRY ROPE OR SOME OTHER INSULATING MATERIAL

4. SEND FOR HELP AS SOON AS POSSIBLE

5. AFTER THE INJURED PERSON IS FREE OF CONTACT WITH THE SOURCE OF ELECTRICAL SHOCK, MOVE THE PERSON A SHORT DISTANCE AWAY AND IMMEDIATELY START ARTIFICIAL RESUSCITATION

WARNING

DANGEROUS VOLTAGE
is used in the operation of this equipment

DEATH ON CONTACT
may result if personnel fail to observe safety precautions.

Never work on electronic equipment unless there is another person nearby who is familiar with the operation and hazards of the equipment and who is competent in administering first aid. When the technician is aided by operators, he must warn them about dangerous areas. Whenever possible, the power supply to the equipment must be shut off before beginning work on the equipment. Take particular care to ground every capacitor likely to hold a dangerous potential. When working inside the equipment, after the power has been turned off, always ground every part before touching it.

Be careful not to contact high-voltage connections when installing or operating this equipment.

Whenever the nature of the operation permits, keep one hand away from the equipment to reduce the hazard of current flowing through vital organs of the body.

Do not be misled by the term "low voltage." Potentials as low as 50 volts may cause death under adverse conditions.

WARNING

Ensure prime power is off to prevent shock hazard to personnel.

WARNING

USE OF CLEANING SOLVENT

Fumes of TRICHLOROTRIFLUOROETHANE are poisonous. Provide adequate ventilation whenever you use TRICHLOROTRIFLUOROETHANE. Do not use solvent near heat or open flame. TRICHLOROTRIFLUOROETHANE will not burn, but heat changes the gas into poisonous, irritating fumes. DO NOT breathe the fumes or vapors. TRICHLOROTRIFLUOROETHANE dissolves natural skin oils. DO NOT get the solvent on your skin. Use gloves, sleeves and an apron which the solvent cannot penetrate. If the solvent is taken internally, see a doctor immediately.

WARNING

When extending the MTS, always provide support for both the MTS and the case. Extension of the MTS causes an unbalanced condition and the assembly may tip forward causing personnel injury and equipment damage.

WARNING

Two men are required to remove the wired plug-in unit test assembly from the case to prevent injury to personnel or damage to the equipment.

LIST OF EFFECTIVE PAGES

INSERT LATEST CHANGED PAGES. DESTROY SUPERSEDED PAGES.

Dates of issue for original and changed pages are;

Original..0..

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 211 CONSISTING OF THE FOLLOWING:

Page No.	#Change No.	Page No.	#Change No.	Page No.	#Change No.
Cover	0				
Safety Steps	0				
a - c	0				
d blank					
i - ii	0				
(WL10281447) String List					
1 - 17	0				
(WL10281447) Connector List					
1 - 11	0				
(WL10281449) String List					
1 - 64	0				
(WL10281453) String List					
1 - 41	0				
(WL10281453) Connector List					
1 - 58	0				
Report of Error	0				

Zero in this column indicates an original page.

TECHNICAL MANUAL
NO. 11-7010-201-40-2
TECHNICAL MANUAL
ET821-AA-MMI-020/E154 MTS
TECHNICAL ORDER
T.O. 31S5-2TSQ73-2-2

DEPARTMENTS OF THE ARMY
THE NAVY, AND
THE AIR FORCE

Washington, DC, 22 September 1983

GENERAL SUPPORT MAINTENANCE MANUAL FOR TEST SET, ELECTRONIC CIRCUIT PLUG-IN UNIT TS-3317( )/TSO-73 (NSN 1430-01 -033-1078)

INCLUDING OPERATION AND MAINTENANCE MTS TEST AID ASSEMBLY PART NUMBER TE113980

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703.

For Air Force, submit AFTO Form 22 (Technical Order System Publication Improvement Report and Reply) in accordance with paragraph 6-5, Section VI, T.O. 00-5-1. Forward direct to prime ALC/MST.

For Navy, mail comments to the Commander, Naval Electronics Systems Command, ATTN: ELEX 8122, Washington, DC 20360.

In either case, a reply will be furnished direct to you.

TABLE OF CONTENTS

Scope. This volume contains wire lists for the test set probe assembly (drawing number WL10281447), the wired plug-in unit test assembly (drawing number WL10281449), and the analog card rack assembly (bay 3) (drawing number WL10281453). Refer to chapter 3 of TM 11-7010-201-34-1 for a basic explanation of wiring information and how to use the wire lists. Also refer to sheet 2 of each wire list for notes on fabrication techniques and parts information.

NOTE

The pages in volumes 2-4 of TM 11-7010-201-40 have been numbered in a special manner. Pages within these volumes are found by keying to two page identifiers: the drawing number and the page number. To find the page that you desire within the volume, follow the steps listed below:

1. Find the applicable wire run list in the table of contents and note the applicable drawing number.

2. Look through the pages of the volume until you find the particular drawing number of the wire run list that you seek. This will insure that you are in the correct wire run section.

3. Go through these pages until you find the page number you are looking for within this particular wire run list.

Remember, pages in the volumes cited above are found by keying to the drawing number applicable to a particular wire run list, as well as, a page number. Make sure you are on the correct page by checking both page identifiers.

PROBE ASSEMBLY, TEST SET
STRING WIRE LIST
WL10281447

NOTES: UNLESS OTHERWISE SPECIFIED

1. PURCHASED PART: REF. WL10282138 ASSY. MTS PROBE.
2. REFERENCE TO SHEET 3 FOR DEFINITION OF FIELDS.
3. REFERENCE TO SHEET 4 FOR CONFIGURATIONS OF SHIELD AND WIRE TERMINATIONS.
4. REFERENCE TO SHEET 5 FOR WIRE CODE DEFINITIONS.
5. REFERENCE TO SHEET 6 FOR WIRE PARTS LIST.
6. ALL ABBREVIATIONS PER MIL-STD-12.
7. THROUGHOUT THE BODY OF THIS DOCUMENT THE UNIT NAME IS REFERRED TO AS: MTS PROBE HARNESS.
8. ALL 8XXXXX CONTROLLED NUMBERS ARE PREFIXED BY CODE IDENT "13973".

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS

1. **Record Number -** A unique Data Processing number which associates all information pertaining to a wire "FROM" Connector, "TO" Connector, Wire Code, etc. This number is the wire ID when that field is blank.
2. **Prefix -** An assembly alphanumeric to be used when a wire terminates in two assemblies. This number will be the reference designation as required by USAS Y32.16-1968.
3. **Connector -** Any type of terminating point, plug, receptacle, etc. Designations are in accordance with USAS Y32.16-1968.
4. **Pin -** Exact terminating point of the respective connector. Designations are unique:
   - A. SHXXXX indicates the junction of a shield and a pigtail, the four digits to the right are the wire identity of the shielded wire.
   - B. JCT indicates a common point of two or more shield pigtails.
   - C. Jacket: the terminology used when describing the line that defines the identification of a shielded wire.
5. **Sh Fg** - References a graphic representation showing how a shielded wire or coax is to be terminated. A number in this field indicates the level of automatic wire wrapping.
6. **Multi Group** - Associates wires of a group such as "twisted wire" or "shielded wire". Jacket, pigtails and center conductors will be shown as a common group.
7. **Wire Code** - A three-digit code for wire type and gage or bus bar.
8. **Wire Color** - Standard RETMA color code.
   - A. Base Stripe Tracer.
   - B. Stripe, Tracer 1 and Tracer 2 if the digit to the left is other than 9 and the two positions to the right are not blank and not equal. The Base Color is understood to be white.
9. **Wire Ident** - A number used for reference to differentiate one wire from another. This number will be used to identify the wire when specified in the wire list sleeve code field.
10. **Spc Inst -** A code which indicates that a wire must be given special attention as follows:
    - A. Direct routing, no service loops, no harnessing.
    - B. See general notes or instruction pages.
    - C. See general notes or instruction pages.
    - D. See general notes or instruction pages.
    - E. See general notes or instruction pages.
    - F. See signal description.
    - G. This connection does not go directly to the "TO" connector, but intersects a line going to the "TO" connector.
    - H. See special routing page.
    - I. Junction point for multilayer laminated board (MLB) connection.
    - J. Denotes a bus reference point.
    - K. Blank out "TO" connector and pin.
    - L. Will cause a signal name of three characters or less to be entered in the string list.
    - M. Will cause a record to be omitted from the string list. (This record will print in the connector list.)
    - N. Will suppress printing the wire identity in the harness string and double entry list.
    - P. Will cause the equation to be used as the signal name for sorting purposes only in the string list.

Drawing No.
WL10281447
Rev. D, sheet 2

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS - Continued

Q. Will cause an equation record to be omitted from logic listing.

R. Will suppress printing the "FROM/TO" pin number in the string and connector lists.

S. Do not move record number to the ident field for an ADD transaction in the harness string and double entry only. (Use only when adding a file.)

T. Twist wire code.

U. Not available.

V. See general notes or instruction pages.

W. Fixed wire length submitted.

X. Sequence of string is to be left as is.

Y. See general notes or instruction pages.

Z. Will suppress printing of the "FROM" pin.

10. **Misc** - Unless otherwise noted, the number 1 indicates a pre-wired connector.
11. **Signal** - An alphanumeric signal name, mnemonic where feasible, which identifies one specific function from another.

    SPP - Denotes an available termination.

    SPF - Denotes an unwired termination which has an assigned function.

    SPW - Denotes a non-functional wire which is terminated at one or both ends.

    SPO - Denotes a spare output of a circuit.

    DNW - Indicates that a termination may not be wired.

    SPA - Denotes an unassigned circuit, as one of a group on a printed circuit board.

    SPI - Denotes a spare input of a circuit.

    SPG - Denotes an unassigned logic gate, as one of a group on a printed circuit board.

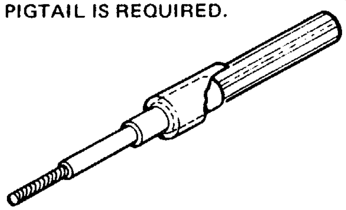
    SPR - Denotes a spare resistor.

    SPD - Denotes an unassigned input diode of an assigned logic gate.
12. **Seq No**. - A number which, in conjunction with SIGNAL, allows a signal string to be consistently printed in a given order.
13. **Equation** - A mnemonic name assigned to each gate of an element.
14. **Term** - An "OR" function composed of one or more factors.
15. **Factor** - A specific input to a logical gate or active element.
16. **Ckt or Chip Type** - Denotes a specific circuit board type.
17. **Group** - Denotes a specific circuit on a printed circuit board.
18. **Load or Power Plane** - Denotes the current draw in milliamps by a specific circuit or voltage.
19. **AND Test Point** - Denotes the input test point for a specific circuit on a printed circuit board.
20. **OR Test Point** - Denotes the output test point for a specific circuit on a circuit board.
21. **Signal Description** - A written description or name of a signal or voltage.
22. **ECO No**. - A letter number combination to show the Engineering Change Order level of that particular wire list record.

Drawing No.
WL10281447
Rev. D, sheet 3

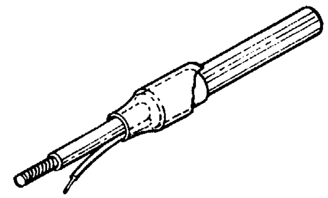
SHIELD FIGURE A

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, NO PIGTAIL IS REQUIRED.



SHIELD FIGURE B

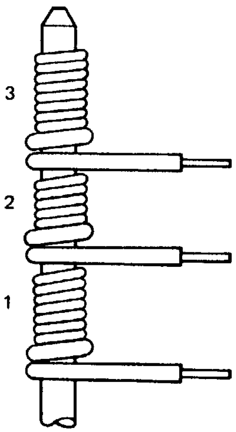
SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, FRONT PIGTAIL IS REQUIRED.



SHIELD FIGURE NO. 3

SHIELD FIGURE NO. 2

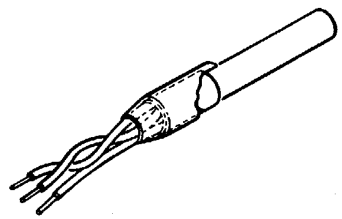
SHIELD FIGURE NO. 1



SHIELD FIGURE NUMBER INDICATES LEVEL OF WIRE WRAP

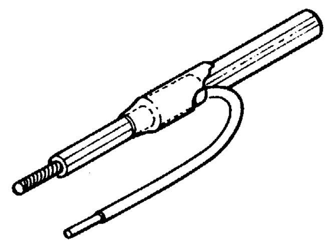
SHIELD FIGURE G

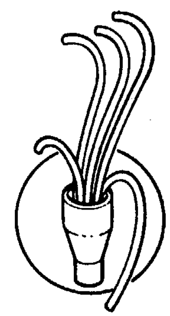
SHIELDED CABLE TERMINATION WITH DRAIN WIRE



SHIELD FIGURE C

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, A REAR PIGTAIL IS REQUIRED.



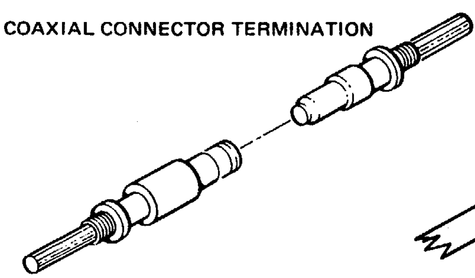


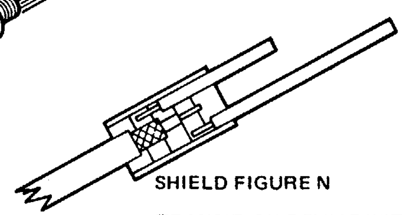
SHIELD FIGURE X

SHIELDED WIRE PIGTAILS—HYBRID

SHIELD FIGURE Z

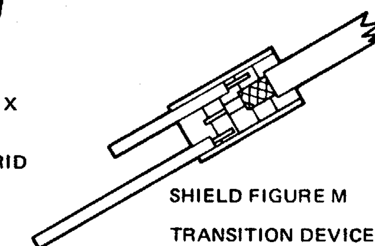
COAXIAL CONNECTOR TERMINATION





SHIELD FIGURE N

TRANSITION DEVICE WITH SOLID WIRE PIGTAILS



SHIELD FIGURE M

TRANSITION DEVICE WITH STRANDED WIRE PIGTAILS

Drawing No.
WL10281447
Rev. D, sheet 4

WIRE CODE DEFINITION

X X X

Type	Description	AWG
1 = Polyvinylidene Fluoride	1 = Buss Wire	A = 32
(PVF) (Kynar)	2 = High Voltage	B = 30
2 = Teflon ET	3 =	C = 28
3 = Teflon E		
4 = Teflon EE	4 =	D = 26
5 = Fluorinated Ethylene	5 = Integral Lead	E = 24
Propylene (FEP),	6 = Auto Wire Wrap	F = 22
Type K		
6 = FEP, Type KT		
7 = Special Condition	7 =	G = 20
8 = Polyvinyl Chloride (PVC)	8 =	H = 18
with Nylon Jacket,	9 =	I = 16
Type D		
9 = MIL-W-81044/12		
0 = Buss or Integral	0 = Special	J = 14
A = PVC without Jacket,	A = Single Stranded	K = 12
Type B	B = Single Solid	L = 10
B = PVC with Jacket		
C = MIL-W-22759/1	C = Single Shielded	M = 8
D = MIL-W-5086/1	D = TW Pr, Stranded	N = 6
E = MIL-W-5086/2	E = Tw Pr, Solid	P = 4

WIRE CODE DEFINITION

X X X

Type	Description	AWG
*F = MIL-C-17/94 (formerly	F = Tw Pr, Shielded	R = 2
MIL-C-17/68)	G = Tw Tpl, Stranded	S = 1
*G = 898008-2	H = Tw Tpl, Solid	T = 0
*H = 898008-1		
*J = MIL-C-17/29	J = Tw Tpl, Shielded	U = 00
*K = MIL-C-17/30	K = Tw Quadr, Stranded	V = 000
*L = MIL-C-17/79	L = Tw Quadr, Solid	W = 0000
*M = MIL-C-17/74	M = Tw Quadr, Shielded	X = Coax
*N = MIL-C-17/86	N = Tw Six Conductor,	Y =
*P = MIL-C-17/28	Stranded	Z =
	P =	
*R = 898008-4	R =	1 =
*S = MIL-C-17/6	S =	2 =
*T = 898059-0001	T =	3 =
U = 898017-1	U =	4 =
V = 898017-2	V =	5 =
W = 898007-1 thru -4	W = 70 Ohm Coax	6 =
X = 898004, Type B	X = 50 Ohm Coax	7 =
Y = 898004, Type D	Y = 75 Ohm Coax	8 =
*Z = MIL-C-17/94	Z = 95 Ohm Coax	9 = Spcl
*/ = MIL-C-17/118		0 = Int Lead

NOTES: *1. Coax

2. The word “BAR” in the Code Field indicates an electromechanical connection made possible by buss strips. Printed circuitry or power/ground planes will be Coded “BUS” in the Code Field required.

Drawing no.
WL10281447
Rev. D, sheet 5

PARTS LIST		CONTRACT NUMBER DAAH01-71-C-0012	CODE IDENT 18876	PL WL10281447	REVISION D
TITLE PROBE ASSY, TEST SET - WIRE LIST					SHEET 6

ITEM NO.	FEET OF WIRE REQD	CODE IDENT	PART OR IDENTIFYING NUMBER	DRAWING OR DOCUMENT NUMBER	NOMENCLATURE OR DESCRIPTION	REF SYM	TIMES USED	WIRE CODE	LINE REV
1.					SPECIAL CONFIGURATION, INTEGRAL LEAD			050	
2.	30		M81044/12-24-0	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 24 GAGE (BLACK)		10	9AE	
3.	20		M81044/12-24-2	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 24 GAGE (RED)		4	9AE	
4.	300		M81044/12-24-9	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 24 GAGE (WHITE)		78	9AE	

2-3941 E (8/76) AN/TSQ-73

DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447
FILE IDENT TSQ5MPHA
REV D
DATE 08-31-82
INDEX +5VDC
PAGE 7

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00252		E005				XDS1	02			9AE	2	0016		+5VDC	01										C02
00001		XDS1	02			XDS2	02			9AE	2	0001		+5VDC	03	HC+521									D05
00017		P01	15			E180			AH	050	90	P115		HAP01D	02										D05
00147		P03	07A			E216				9AE	9	0147		HAP01DT	01										D05
00015		P01	13			E181			AG	050	90	P113		HAP02D	02										D05
00148		P03	06A			E217				9AE	9	0148		HAP02DT	01										D05
00011		P01	09			E182			AE	050	90	P109		HAP03D	02										D05
00149		P03	05A			E218				9AE	9	0149		HAP03DT	01										D05
00009		P01	07			E183			AD	050	90	P107		HAP04D	02										D05
00150		P03	04A			E219				9AE	9	0150		HAP04DT	01										D05
00007		P01	05			E076			AC	050	90	P105		HAP05D	02										D05
00151		P03	03B			E112				9AE	9	0151		HAP05DT	01										D05
00099		P02	37			E077			CE	050	90	P237		HAP06D	01										D05
00152		P03	02B			E113				9AE	9	0152		HAP06DT	02										D05
00244		P01	01			E185			AA	050	90	P101		HAP07D	02										D05
00153		P03	02A			E221				9AE	9	0153		HAP07DT	01										D05
00005		P01	03			E184			AB	050	90	P103		HAP08D	02										D05
00154		P03	03A			E220				9AE	9	0154		HAP08DT	01										D05
00101		P02	39			E075			CF	050	90	P239		HAP09D	01										D05
00155		P03	04B			E111				9AE	9	0155		HAP09DT	02										D05
00013		P01	11			E074			AF	050	90	P111		HAP10D	02										D05
00156		P03	05B			E110				9AE	9	0156		HAP10DT	01										D05
00103		P02	41			E073			CG	050	90	P241		HAP11D	01										D05
00157		P03	06B			E109				9AE	9	0157		HAP11DT	02										D05
00105		P02	43			E072			CH	050	90	P243		HAP12D	01										D05

3-2879-1

DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447 REV D
FILE IDENT TS05MPHA DATE 08-31-82
INDEX HAP12D
PAGE 8

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH PG	TO PREFIX	TO CONNECTOR	TO PIN	SH PG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00158		P03	07B			E108				9AE	9	0158		HAP12DT	02										D05
00033		P01	31			E174			AT	050	90	P131		HAP13D	02										D05
00159		P03	14A			E210				9AE	9	0159		HAP13DT	01										D05
00113		P02	51			E175			CN	050	90	P251		HAP14D	01										D05
00160		P03	13A			E211				9AE	9	0160		HAP14DT	02										D05
00029		P01	27			E176			AR	050	90	P127		HAP15D	02										D05
00161		P03	12A			E212				9AE	9	0161		HAP15DT	01										D05
00025		P01	23			E177			AN	050	90	P123		HAP16D	02										D05
00162		P03	11A			E213				9AE	9	0162		HAP16DT	01										D05
00023		P01	21			E178			AM	050	90	P121		HAP17D	02										D05
00163		P03	10A			E214				9AE	9	0163		HAP17DT	01										D05
00109		P02	47			E179			CK	050	90	P247		HAP18D	01										D05
00164		P03	09A			E215				9AE	9	0164		HAP18DT	02										D05
00019		P01	17			E071			AJ	050	90	P117		HAP19D	02										D05
00165		P03	08B			E107				9AE	9	0165		HAP19DT	01										D05
00021		P01	19			E070			AK	050	90	P119		HAP20D	02										D05
00166		P03	09B			E106				9AE	9	0166		HAP20DT	01										D05
00107		P02	45			E069			CJ	050	90	P245		HAP21D	01										D05
00167		P03	10B			E105				9AE	9	0167		HAP21DT	02										D05
00027		P01	25			E068			AP	050	90	P125		HAP22D	02										D05
00168		P03	11B			E104				9AE	9	0168		HAP22DT	01										D05
00111		P02	49			E067			CM	050	90	P249		HAP23D	01										D05
00169		P03	12B			E103				9AE	9	0169		HAP23DT	02										D05
00031		P01	29			E066			AS	050	90	P129		HAP24D	02										D05

**** SIGNAL HAP24DT IS ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447
FILE IDENT TSQ5MPHA
REV D
DATE 08-31-82
INDEX HAP24DT
PAGE 9

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00170		P03	13B			E102				9AE	9	0170		HAP24DT	01										D05
00049		P01	47			E168			BB	050	90	P147		HAP25D	02										D05
00171		P03	20A			E204				9AE	9	0171		HAP25DT	01										D05
00121		P02	59			E169			CT	050	90	P259		HAP26D	01										D05
00172		P03	19A			E205				9AE	9	0172		HAP26DT	02										D05
00045		P01	43			E170			AZ	050	90	P143		HAP27D	02										D05
00173		P03	18A			E206				9AE	9	0173		HAP27DT	01										D05
00041		P01	39			E171			AX	050	90	P139		HAP28D	02										D05
00174		P03	17A			E207				9AE	9	0174		HAP28DT	01										D05
00039		P01	37			E172			AW	050	90	P137		HAP29D	02										D05
00175		P03	16A			E208				9AE	9	0175		HAP29DT	01										D05
00117		P02	55			E173			CR	050	90	P255		HAP30D	01										D05
00176		P03	15A			E209				9AE	9	0176		HAP30DT	02										D05
00035		P01	33			E065			AU	050	90	P133		HAP31D	02										D05
00177		P03	14B			E101				9AE	9	0177		HAP31DT	01										D05
00037		P01	35			E064			AV	050	90	P135		HAP32D	02										D05
00178		P03	15B			E100				9AE	9	0178		HAP32DT	01										D05
00115		P02	53			E063			CP	050	90	P253		HAP33D	01										D05
00179		P03	16B			E099				9AE	9	0179		HAP33DT	02										D05
00043		P01	41			E062			AY	050	90	P141		HAP34D	02										D05
00253		P03	17B			E235				9AE	9	0009		HAP34DT	00										C03
00180		P03	17B			E098				9AE	9	0180		HAP34DT	01										D05
00119		P02	57			E061			CS	050	90	P257		HAP35D	01										D05
00181		P03	18B			E097				9AE	9	0181		HAP35DT	02										D05
00047		P01	45			E060			BA	050	90	P145		HAP36D	02										D05
00182		P03	19B			E096				9AE	9	0182		HAP36DT	01										D05

3-2879-1

DRAWING NUMBER	WL10281447	STRING	UNIT ASSEMBLY NO.	10281447	REV	D	INDEX	HAP36DT
UNIT ASSEMBLY NAME	W/L MTS PROBE 1A6D		FILE IDENT	TS05MPHA	DATE	08-31-82	PAGE	10

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00063		P02	01			E162			BJ	050	90	P201		HAP37D	02										D05
00183		P03	26A			E198				9AE	9	0183		HAP37DT	01										D05
00133		P02	71			E163			CZ	050	90	P271		HAP38D	01										D05
00184		P03	25A			E199				9AE	9	0184		HAP38DT	02										D05
00059		P01	57			E164			BG	050	90	P157		HAP39D	02										D05
00185		P03	24A			E200				9AE	9	0185		HAP39DT	01										D05
00055		P01	53			E165			BE	050	90	P153		HAP40D	02										D05
00186		P03	23A			E201				9AE	9	0186		HAP40DT	01										D05
00051		P01	49			E166			BC	050	90	P149		HAP41D	02										D05
00187		P03	22A			E202				9AE	9	0187		HAP41DT	01										D05
00123		P02	61			E167			CU	050	90	P261		HAP42D	01										D05
00188		P03	21A			E203				9AE	9	0188		HAP42DT	02										D05
00053		P01	51			E059			BD	050	90	P151		HAP43D	02										D05
00189		P03	22B			E095				9AE	9	0189		HAP43DT	01										D05
00057		P01	55			E058			BF	050	90	P155		HAP44D	02										D05
00190		P03	23B			E094				9AE	9	0190		HAP44DT	01										D05
00125		P02	63			E057			CV	050	90	P263		HAP45D	01										D05
00191		P03	24B			E093				9AE	9	0191		HAP45DT	02										D05
00061		P01	59			E056			BH	050	90	P159		HAP46D	02										D05
00254		P03	25B			E234				9AE	9	0015		HAP46DT	00										C03
00192		P03	25B			E092				9AE	9	0192		HAP46DT	01										D05
00127		P02	65			E055			CW	050	90	P265		HAP47D	01										D05
00193		P03	26B			E091				9AE	9	0193		HAP47DT	02										D05
00065		P02	03			E054			BK	050	90	P203		HAP48D	02										D05
00194		P03	27B			E090				9AE	9	0194		HAP48DT	01										D05

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447
FILE IDENT TS05MPHA

REV D
DATE 08-31-82

INDEX HAP48DT
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00081		P02	19			E156			BV	050	90	P219		HAP49D	02										D05
00195		P03	33A			E192				9AE	9	0195		HAP49DT	01										D05
00135		P02	73			E157			DA	050	90	P273		HAP50D	01										D05
00255		P03	32A			E233				9AE	9	0014		HAP50DT	00										C03
00196		P03	32A			E193				9AE	9	0196		HAP50DT	02										D05
00075		P02	13			E158			BS	050	90	P213		HAP51D	02										D05
00197		P03	31A			E194				9AE	9	0197		HAP51DT	01										D05
00073		P02	11			E159			BR	050	90	P211		HAP52D	02										D05
00198		P03	30A			E195				9AE	9	0198		HAP52DT	01										D05
00069		P02	07			E160			BN	050	90	P207		HAP53D	02										D05
00199		P03	29A			E196				9AE	9	0199		HAP53DT	01										D05
00131		P02	69			E161			CY	050	90	P269		HAP54D	01										D05
00200		P03	28A			E197				9AE	9	0200		HAP54DT	02										D05
00067		P02	05			E053			BM	050	90	P205		HAP55D	02										D05
00201		P03	28B			E089				9AE	9	0201		HAP55DT	01										D05
00071		P02	09			E052			BP	050	90	P209		HAP56D	02										D05
00202		P03	29B			E088				9AE	9	0202		HAP56DT	01										D05
00129		P02	67			E051			CX	050	90	P267		HAP57D	01										D05
00203		P03	30B			E087				9AE	9	0203		HAP57DT	02										D05
00077		P02	15			E050			BT	050	90	P215		HAP58D	02										D05
00204		P03	31B			E086				9AE	9	0204		HAP58DT	01										D05
00079		P02	17			E049			BU	050	90	P217		HAP59D	02										D05
00205		P03	32B			E085				9AE	9	0205		HAP59DT	01										D05
00137		P02	75			E048			DB	050	90	P275		HAP60D	01										D05
00206		P03	33B			E084				9AE	9	0206		HAP60DT	02										D05

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447
FILE IDENT TS05MPHA
REV D
DATE 08-31-82
INDEX HAP60DT
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00097		P02	35			E042			CD	050	90	P235		HAP61D	02										D05
00207		P03	39B			E078				9AE	9	0207		HAP61DT	01										D05
00145		P02	83			E043			DF	050	90	P283		HAP62D	01										D05
00208		P03	38B			E079				9AE	9	0208		HAP62DT	02										D05
00093		P02	31			E044			CB	050	90	P231		HAP63D	02										D05
00209		P03	37B			E080				9AE	9	0209		HAP63DT	01										D05
00089		P02	27			E045			BZ	050	90	P227		HAP64D	02										D05
00210		P03	36B			E081				9AE	9	0210		HAP64DT	01										D05
00087		P02	25			E153			BY	050	90	P225		HAP65D	02										D05
00211		P03	36A			E189				9AE	9	0211		HAP65DT	01										D05
00139		P02	77			E155			DC	050	90	P277		HAP66D	01										D05
00212		P03	34A			E191				9AE	9	0212		HAP66DT	01										D05
00083		P02	21			E047			BW	050	90	P221		HAP67D	02										D05
00213		P03	34B			E083				9AE	9	0213		HAP67DT	01										D05
00085		P02	23			E046			BX	050	90	P223		HAP68D	02										D05
00214		P03	35B			E082				9AE	9	0214		HAP68DT	01										D05
00141		P02	79			E154			DD	050	90	P279		HAP69D	01										D05
00215		P03	35A			E190				9AE	9	0215		HAP69DT	02										D05
00091		P02	29			E152			CA	050	90	P229		HAP70D	02										D05
00216		P03	37A			E188				9AE	9	0216		HAP70DT	01										D05
00095		P02	33			E151			CC	050	90	P233		HAP71D	02										D05
00217		P03	38A			E187				9AE	9	0217		HAP71DT	01										D05
00143		P02	81			E150			DE	050	90	P281		HAP72D	01										D05
00218		P03	39A			E186				9AE	9	0218		HAP72DT	02										D05

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447
FILE IDENT TSQ5MPHA

REV D
DATE 08-31-82

INDEX HBJAPD6
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00246		XDS2	01			P02	85			050	9	P285		HBJAPD6	01										D05
00247		XDS1	01			P01	85			050	9	P185		HBJARD6	01										D05
00240		P01	82			E239			KG	050	92	P182		HC+15R1	01										D05
00238		P01	80			L1	-CT		KF	050	92	P180		HC+15V3	02										D05
00232		P01	61			E003			KB	050	92	P161		HC+521	01										D05
00230		P01	63			E004			KA	050	92	P163		HC+522	02	HC+521									D05
00248		L1	+2			E245				9AE	9	0248		HCDNRGA	02										D05
00220		P01	79			E244			FD	050	9	P179		HCDNRGA1	01										D05
00018		P01	16			E144			AH	050	9	P116		HCG01	01										D05
00016		P01	14			E145			AG	050	9	P114		HCG02	01										D05
00012		P01	10			E146			AE	050	9	P110		HCG03	01										D05
00010		P01	08			E147			AD	050	9	P108		HCG04	01										D05
00008		P01	06			E040			AC	050	9	P106		HCG05	01										D05
00100		P02	38			E041			CE	050	9	P238		HCG06	01										D05
00245		P01	02			E149			AA	050	9	P102		HCG07	02										D05
00006		P01	04			E148			AB	050	9	P104		HCG08	01										D05
00102		P02	40			E039			CF	050	9	P240		HCG09	01										D05
00014		P01	12			E038			AF	050	9	P112		HCG10	01										D05
00104		P02	42			E037			CG	050	9	P242		HCG11	01										D05
00106		P02	44			E036			CH	050	9	P244		HCG12	01										D05
00034		P01	32			E138			AT	050	9	P132		HCG13	01										D05
00114		P02	52			E139			CN	050	9	P252		HCG14	01										D05
00030		P01	28			E140			AR	050	9	P128		HCG15	01										D05
00026		P01	24			E141			AN	050	9	P124		HCG16	01										D05
00024		P01	22			E142			AM	050	9	P122		HCG17	01										D05

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447 REV D
FILE IDENT TSQ5MPHA DATE 08-31-82
INDEX HCG18 PAGE 14

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00110		P02	48			E143			CK	050	9	P248		HCG18	01										D05
00020		P01	18			E035			AJ	050	9	P118		HCG19	01										D05
00022		P01	20			E034			AK	050	9	P120		HCG20	01										D05
00108		P02	46			E033			CJ	050	9	P246		HCG21	01										D05
00028		P01	26			E032			AP	050	9	P126		HCG22	01										D05
00112		P02	50			E031			CM	050	9	P250		HCG23	01										D05
00032		P01	30			E030			AS	050	9	P130		HCG24	01										D05
00050		P01	48			E132			BB	050	9	P148		HCG25	01										D05
00122		P02	60			E133			CT	050	9	P260		HCG26	01										D05
00046		P01	44			E134			AZ	050	9	P144		HCG27	01										D05
00042		P01	40			E135			AX	050	9	P140		HCG28	01										D05
00040		P01	38			E136			AW	050	9	P138		HCG29	01										D05
00118		P02	56			E137			CR	050	9	P256		HCG30	01										D05
00036		P01	34			E029			AU	050	9	P134		HCG31	01										D05
00038		P01	36			E028			AV	050	9	P136		HCG32	01										D05
00116		P02	54			E027			CP	050	9	P254		HCG33	01										D05
00044		P01	42			E026			AY	050	9	P142		HCG34	01										D05
00120		P02	58			E025			CS	050	9	P258		HCG35	01										D05
00048		P01	46			E024			BA	050	9	P146		HCG36	01										D05
00064		P02	02			E126			BJ	050	9	P202		HCG37	01										D05
00134		P02	72			E127			CZ	050	9	P272		HCG38	01										D05
00060		P01	58			E128			BG	050	9	P158		HCG39	01										D05
00056		P01	54			E129			BE	050	9	P154		HCG40	01										D05
00052		P01	50			E130			BC	050	9	P150		HCG41	01										D05
00124		P02	62			E131			CU	050	9	P262		HCG42	01										D05

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447 REV D INDEX HCG43
FILE IDENT TSQ5MPHA DATE 08-31-82 PAGE 15

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00054		P01	52			E023			BD	050	9	P152		HCG43	01										D05
00058		P01	56			E022			BF	050	9	P156		HCG44	01										D05
00126		P02	64			E021			CV	050	9	P264		HCG45	01										D05
00062		P01	60			E020			BH	050	9	P160		HCG46	01										D05
00128		P02	66			E019			CW	050	9	P266		HCG47	01										D05
00066		P02	04			E018			BK	050	9	P204		HCG48	01										D05
00082		P02	20			E120			BV	050	9	P220		HCG49	01										D05
00136		P02	74			E121			DA	050	9	P274		HCG50	01										D05
00076		P02	14			E122			BS	050	9	P214		HCG51	01										D05
00074		P02	12			E123			BR	050	9	P212		HCG52	01										D05
00070		P02	08			E124			BN	050	9	P208		HCG53	01										D05
00132		P02	70			E125			CY	050	9	P270		HCG54	01										D05
00068		P02	06			E017			BM	050	9	P206		HCG55	01										D05
00072		P02	10			E016			BP	050	9	P210		HCG56	01										D05
00130		P02	68			E015			CX	050	9	P268		HCG57	01										D05
00078		P02	16			E014			BT	050	9	P216		HCG58	01										D05
00080		P02	18			E013			BU	050	9	P218		HCG59	01										D05
00138		P02	76			E012			DB	050	9	P276		HCG60	02										D05
00098		P02	36			E006			CD	050	9	P236		HCG61	01										D05
00146		P02	84			E007			DF	050	9	P284		HCG62	01										D05
00094		P02	32			E008			CB	050	9	P232		HCG63	01										D05
00090		P02	28			E009			BZ	050	9	P228		HCG64	01										D05
00088		P02	26			E117			BY	050	9	P226		HCG65	01										D05
00140		P02	78			E119			DC	050	9	P278		HCG66	01										D05
00084		P02	22			E011			BW	050	9	P222		HCG67	01										D05

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447
FILE IDENT TS05MPHA
REV D
DATE 08-31-82
INDEX HCG68
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00086		P02	24			E010			BX	050	9	P224		HCG68	01										D05
00142		P02	80			E118			DD	050	9	P280		HCG69	01										D05
00092		P02	30			E116			CA	050	9	P230		HCG70	01										D05
00096		P02	34			E115			CC	050	9	P234		HCG71	01										D05
00144		P02	82			E114			DE	050	9	P282		HCG72	01										D05
00235		P01	72			E223			KD	050	9	P172		HCG73	02										D05
00229		P03	27A			E230				9AE	0	0229		HCG73T	03										D05
00256		P03	27A			E232				9AE	0	0004		HCG73T	04										C03
00237		P01	70			E222			KE	050	9	P170		HCG74	01	HCG73									D05
00241		P01	66			E255			KG	050	9	P166		HCG76	01										D05
00231		P01	64			E002			KA	050	9	P164		HCG78	02										D05
00233		P01	62			E001			KB	050	9	P162		HCG79	01	HCG78									D05
00239		P01	68			E256			KF	050	9	P168		HCG80	01										D05
00219		P01	83			E254			FE	050	9	P183		HCG81	01										D05
00249		L1	+1			E238				9AE	9	0247		HCNRGA	02										D05
00221		P01	81			E237			FD	050	9	P181		HCNRGA1	01										D05
00250		L1	-CT			E241				9AE	9	0246		HCNUTLA	01	HC+15V3									D05
00234		P01	69			E242			KE	050	92	P169		HCPRB+51	02										D05
00236		P01	71			E243			KD	050	92	P171		HCPRB+52	03	HCPRB+51									D05
00222		P03	08A			E246				9AE	2	0222		HCPRB+53	01	HCPRB+51									D05
00257		P03	08A			E247				9AE	2	0003		HCPRB+53	04	HCPRB+51									C03
00223		P01	76			P03	21B		FB	050	9	P176		HCTP210	01										D05
00224		P01	73			E253			FA	050	9	P173		HC01A0	01										D05
00258		P03	01A			E250				9AE	0	0005		HC01A0T	02										C03
00259		P03	01A			E251				9AE	0	0006		HC01A0T	03										C03
00225		P01	74			E252			FA	050	9	P174		HC01B0	01										D05
00260		P03	01B			E249				9AE	0	0007		HC01B0T	02										C03

**** SIGNAL HC01B0T IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

STRING

UNIT ASSEMBLY NO. 10281447
FILE IDENT TS05MPHA
REV D
DATE 08-31-82
INDEX HC01B0T
PAGE 17

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	CPC INST MISC	SIGNAL	SFQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GRP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00261		P03	01B			E248				9AE	0	0008		HC01B0T	03										C03
00226		P01	75			P03	20B		FB	050	9	P175		HC20A01	01										D05
00227		P01	77			E224			FC	050	9	P177		HC40A0	01										D05
00262		P03	40A			E226				9AE	0	0010		HC40A0T	02										C03
00263		P03	40A			E227				9AE	0	0011		HC40A0T	03										C03
00228		P01	78			E225			FC	050	9	P178		HC40B0	01										D05
00264		P03	40B			E228				9AE	0	0012		HC40B0T	02										C03
00265		P03	40B			E229				9AE	0	0013		HC40B0T	03										C03
00251		P01	67			E236			FE	050	9	P167		HC6020	01										D05

3-2879-1

PROBE ASSEMBLY, TEST SET
CONNECTOR WIRE LIST
WL10281447

NOTES: UNLESS OTHERWISE SPECIFIED

1. PURCHASED PART: REF. WL10282138 ASSY. MTS PROBE.
2. REFERENCE TO SHEET 3 FOR DEFINITION OF FIELDS.
3. REFERENCE TO SHEET 4 FOR CONFIGURATIONS OF SHIELD AND WIRE TERMINATIONS.
4. REFERENCE TO SHEET 5 OF STRING LIST FOR WIRE CODE DEFINITIONS.
5. REFERENCE TO SHEET 6 OF STRING LIST FOR WIRE PARTS LIST.
6. ALL ABBREVIATIONS PER MIL-STD-12.
7. THROUGHOUT THE BODY OF THIS DOCUMENT THE UNIT NAME IS REFERRED TO AS: MTS PROBE HARNESS.
8. ALL 8XXXXX CONTROLLED NUMBERS ARE PREFIXED BY CODE IDENT "13973".

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS

1. **Record Number -** A unique Data Processing number which associates all information pertaining to a wire "FROM" Connector, "TO" Connector, Wire Code, etc. This number is the wire ID when that field is blank.
2. **Prefix -** An assembly alphanumeric to be used when a wire terminates in two assemblies. This number will be the reference designation as required by USAS Y32.16-1968.
3. **Connector -** Any type of terminating point, plug, receptacle, etc. Designations are in accordance with USAS Y32.16-1968.
4. **Pin -** Exact terminating point of the respective connector. Designations are unique:
   A. SHXXXX indicates the junction of a shield and a pigtail, the four digits to the right are the wire identity of the shielded wire.
   B. JCT indicates a common point of two or more shield pigtails.
   C. Jacket: the terminology used when describing the line that defines the identification of a shielded wire.
5. **Sh Fg** - References a graphic representation showing how a shielded wire or coax is to be terminated. A number in this field indicates the level of automatic wire wrapping.
6. **Multi Group** - Associates wires of a group such as "twisted wire" or "shielded wire". Jacket, pigtails and center conductors will be shown as a common group.
7. **Wire Code** - A three-digit code for wire type and gage or bus bar.
8. **Wire Color** - Standard RETMA color code.
   A. Base Stripe Tracer.
   B. Stripe, Tracer 1 and Tracer 2 if the digit to the left is other than 9 and the two positions to the right are not blank and not equal. The Base Color is understood to be white.
9. **Wire Ident** - A number used for reference to differentiate one wire from another. This number will be used to identify the wire when specified in the wire list sleeve code field.
10. **Spc Inst -** A code which indicates that a wire must be given special attention as follows:
    A. Direct routing, no service loops, no harnessing.
    B. See general notes or instruction pages.
    C. See general notes or instruction pages.
    D. See general notes or instruction pages.
    E. See general notes or instruction pages.
    F. See signal description.
    G. This connection does not go directly to the "TO" connector, but intersects a line going to the "TO" connector.
    H. See special routing page.
    I. Junction point for multilayer laminated board (MLB) connection.
    J. Denotes a bus reference point.
    K. Blank out "TO" connector and pin.
    L. Will cause a signal name of three characters or less to be entered in the string list.
    M. Will cause a record to be omitted from the string list. (This record will print in the connector list.)
    N. Will suppress printing the wire identity in the harness string and double entry list.
    P. Will cause the equation to be used as the signal name for sorting purposes only in the string list.

Drawing No.
WL1 0281447
Rev. D, sheet 2

H78 STRING AND CONNECTOR LEIST, DEFINITION OF FIELDS - Continued

Q. Will cause an equation record to be omitted from logic listing.

R. Will suppress printing the "FROM/TO" pin number in the string and connector lists.

S. Do not move record number to the ident field for an ADD transaction in the harness string and double entry only. (Use only when adding a file.)

T. Twist wire code.

U. Not available.

V. See general notes or instruction pages.

W. Fixed wire length submitted.

X. Sequence of string is to be left as is.

Y. See general notes or instruction pages.

Z. Will suppress printing of the "FROM" pin.

10. **Misc** - Unless otherwise noted, the number 1 indicates a pre-wired connector.
11. **Signal** - An alphanumeric signal name, mnemonic where feasible, which identifies one specific function from another.

    SPP - Denotes an available termination.

    SPF - Denotes an unwired termination which has an assigned function.

    SPW - Denotes a non-functional wire which is terminated at one or both ends.

    SPO - Denotes a spare output of a circuit.

    DNW - Indicates that a termination may not be wired.

    SPA - Denotes an unassigned circuit, as one of a group on a printed circuit board.

    SPI - Denotes a spare input of a circuit.

    SPG - Denotes an unassigned logic gate, as one of a group on a printed circuit board.

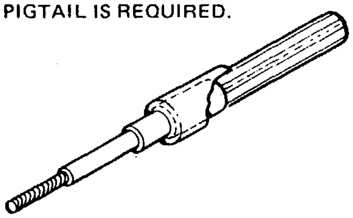
    SPR - Denotes a spare resistor.

    SPD - Denotes an unassigned input diode of an assigned logic gate.
12. **Seq No**. - A number which, in conjunction with SIGNAL, allows a signal string to be consistently printed in a given order.
13. **Equation** - A mnemonic name assigned to each gate of an element.
14. **Term** - An "OR" function composed of one or more factors.
15. **Factor** - A specific input to a logical gate or active element.
16. **Ckt or Chip Type** - Denotes a specific circuit board type.
17. **Group** - Denotes a specific circuit on a printed circuit board.
18. **Load or Power Plane** - Denotes the current draw in milliamps by a specific circuit or voltage.
19. **AND Test Point** - Denotes the input test point for a specific circuit on a printed circuit board.
20. **OR Test Point** - Denotes the output test point for a specific circuit on a circuit board.
21. **Signal Description** - A written description or name of a signal or voltage.
22. **ECO No**. - A letter number combination to show the Engineering Change Order level of that particular wire list record.

Drawing No.
WL10281447
Rev. D, sheet 3

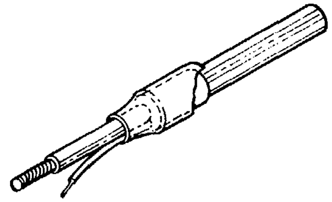
SHIELD FIGURE A

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, NO PIGTAIL IS REQUIRED.



SHIELD FIGURE B

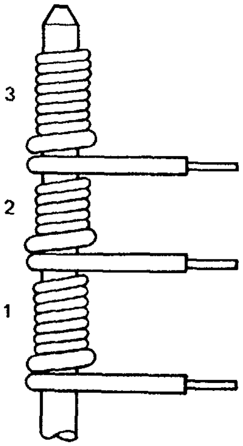
SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, FRONT PIGTAIL IS REQUIRED.



SHIELD FIGURE NO. 3

SHIELD FIGURE NO. 2

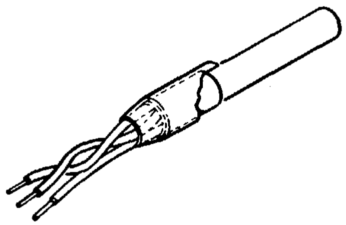
SHIELD FIGURE NO. 1



SHIELD FIGURE NUMBER INDICATES LEVEL OF WIRE WRAP

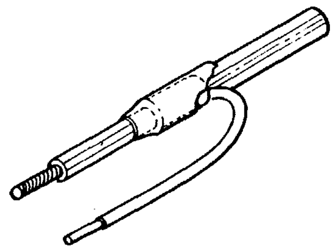
SHIELD FIGURE G

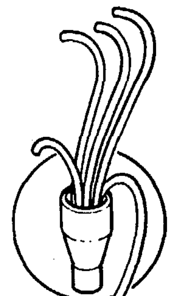
SHIELDED CABLE TERMINATION WITH DRAIN WIRE



SHIELD FIGURE C

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, A REAR PIGTAIL IS REQUIRED.



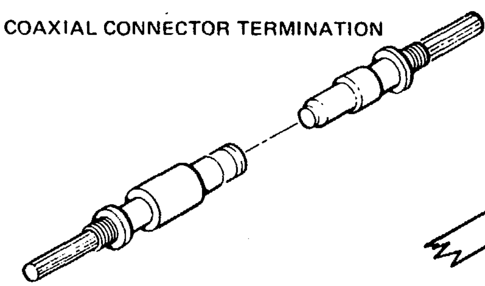


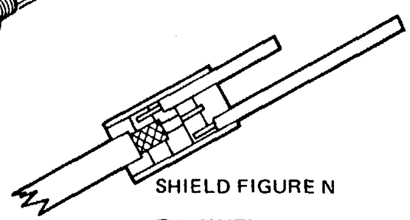
SHIELD FIGURE X

SHIELDED WIRE PIGTAILS—HYBRID

SHIELD FIGURE Z

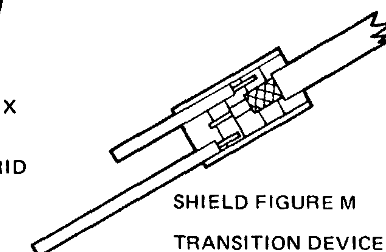
COAXIAL CONNECTOR TERMINATION





SHIELD FIGURE N

TRANSITION DEVICE WITH SOLID WIRE PIGTAILS



SHIELD FIGURE M

TRANSITION DEVICE WITH STRANDED WIRE PIGTAILS

Drawing No.
WL10281447
Rev. D, sheet 4

DRAWING NUMBER WL10281447 CONNECTOR UNIT ASSEMBLY NO. 10281447 REV D INDEX

UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D FILE IDENT TSQ5MPHA DATE 08-31-82 PAGE 5

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO CONNECTOR	TO PIN				SIGNAL			SIGNAL DESCRIPTION	ECO NO
00252		E005		XDS1	02	9AE	2	0016	+5VDC	01			C02
00249		L1	+1	E238		9AE	9	0247	HCNRGA	02			D05
00248		L1	+2	E245		9AE	9	0248	HCDNRGA	02			D05
00250		L1	-CT	E241		9AE	9	0246	HCNUTLA	01	HC+15V3		D05

DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

CONNECTOR

UNIT ASSEMBLY NO. 10281447 REV D INDEX P01
FILE IDENT TSQ5MPHA DATE 08-31-82 PAGE 6

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00244		P01	01			E185			AA	050	90	P101		HAP07D	02										D05
00245		P01	02			E149			AA	050	9	P102		HCG07	02										D05
00005		P01	03			E184			AB	050	90	P103		HAP08D	02										D05
00006		P01	04			E148			AB	050	9	P104		HCG08	01										D05
00007		P01	05			E076			AC	050	90	P105		HAP05D	02										D05
00008		P01	06			E040			AC	050	9	P106		HCG05	01										D05
00009		P01	07			E183			AD	050	90	P107		HAP04D	02										D05
00010		P01	08			E147			AD	050	9	P108		HCG04	01										D05
00011		P01	09			E182			AE	050	90	P109		HAP03D	02										D05
00012		P01	10			E146			AE	050	9	P110		HCG03	01										D05
00013		P01	11			E074			AF	050	90	P111		HAP10D	02										D05
00014		P01	12			E038			AF	050	9	P112		HCG10	01										D05
00015		P01	13			E181			AG	050	90	P113		HAP02D	02										D05
00016		P01	14			E145			AG	050	9	P114		HCG02	01										D05
00017		P01	15			E180			AH	050	90	P115		HAP01D	02										D05
00018		P01	16			E144			AH	050	9	P116		HCG01	01										D05
00019		P01	17			E071			AJ	050	90	P117		HAP19D	02										D05
00020		P01	18			E035			AJ	050	9	P118		HCG19	01										D05
00021		P01	19			E070			AK	050	90	P119		HAP20D	02										D05
00022		P01	20			E034			AK	050	9	P120		HCG20	01										D05
00023		P01	21			E178			AM	050	90	P121		HAP17D	02										D05
00024		P01	22			E142			AM	050	9	P122		HCG17	01										D05
00025		P01	23			E177			AN	050	90	P123		HAP16D	02										D05
00026		P01	24			E141			AN	050	9	P124		HCG16	01										D05
00027		P01	25			E068			AP	050	90	P125		HAP22D	02										D05
00028		P01	26			E032			AP	050	9	P126		HCG22	01										D05
00029		P01	27			E176			AR	050	90	P127		HAP15D	02										D05
00030		P01	28			E140			AR	050	9	P128		HCG15	01										D05
00031		P01	29			E066			AS	050	90	P129		HAP24D	02										D05
00032		P01	30			E030			AS	050	9	P130		HCG24	01										D05
00033		P01	31			E174			AT	050	90	P131		HAP13D	02										D05
00034		P01	32			E138			AT	050	9	P132		HCG13	01										D05
00035		P01	33			E065			AU	050	90	P133		HAP31D	02										D05
00036		P01	34			E029			AU	050	9	P134		HCG31	01										D05
00037		P01	35			E064			AV	050	90	P135		HAP32D	02										D05
00038		P01	36			E028			AV	050	9	P136		HCG32	01										D05
00039		P01	37			E172			AW	050	90	P137		HAP29D	02										D05
00040		P01	38			E136			AW	050	9	P138		HCG29	01										D05
00041		P01	39			E171			AX	050	90	P139		HAP28D	02										D05
00042		P01	40			E135			AX	050	9	P140		HCG28	01										D05
00043		P01	41			E062			AY	050	90	P141		HAP34D	02										D05
00044		P01	42			E026			AY	050	9	P142		HCG34	01										D05
00045		P01	43			E170			AZ	050	90	P143		HAP27D	02										D05
00046		P01	44			E134			AZ	050	9	P144		HCG27	01										D05
00047		P01	45			E060			BA	050	90	P145		HAP36D	02										D05
00048		P01	46			E024			BA	050	9	P146		HCG36	01										D05
00049		P01	47			E168			BB	050	90	P147		HAP25D	02										D05
00050		P01	48			E132			BB	050	9	P148		HCG25	01										D05
00051		P01	49			E166			BC	050	90	P149		HAP41D	02										D05
00052		P01	50			E130			BC	050	9	P150		HCG41	01										D05

CONNECTOR (P01) CONTINUED ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281447 | UNIT ASSEMBLY NAME W/L MTS PROBE IA6D

CONNECTOR

UNIT ASSEMBLY NO. 10281447 | FILE IDENT TSQ5MPHA | REV D | DATE 08-31-82 | INDEX P01 | PAGE 7

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO CONNECTOR	TO PIN	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SIGNAL	SEQ NO	EQUATION	SIGNAL DESCRIPTION	ECO NO
00053		P01	51	E059		BD	050	90	P151	HAP43D	02			D05
00054		P01	52	E023		BD	050	9	P152	HCG43	01			D05
00055		P01	53	E165		BE	050	90	P153	HAP40D	02			D05
00056		P01	54	E129		BE	050	9	P154	HCG40	01			D05
00057		P01	55	E058		BF	050	90	P155	HAP44D	02			D05
00058		P01	56	E022		BF	050	9	P156	HCG44	01			D05
00059		P01	57	E164		BG	050	90	P157	HAP39D	02			D05
00060		P01	58	E128		BG	050	9	P158	HCG39	01			D05
00061		P01	59	E056		BH	050	90	P159	HAP46D	02			D05
00062		P01	60	E020		BH	050	9	P160	HCG46	01			D05
00232		P01	61	E003		KB	050	92	P161	HC+521	01			D05
00233		P01	62	E001		KB	050	9	P162	HCG79	01	HCG78		D05
00230		P01	63	E004		KA	050	92	P163	HC+522	02	HC+521		D05
00231		P01	64	E002		KA	050	9	P164	HCG78	02			D05
00242		P01	65			KH	050	9	P165	SPW	01			D05
00241		P01	66	E255		KG	050	9	P166	HCG76	01			D05
00251		P01	67	E236		FE	050	9	P167	HC6020	01			D05
00239		P01	68	E256		KF	050	9	P168	HCG80	01			D05
00234		P01	69	E242		KE	050	92	P169	HCPRB+51	02			D05
00237		P01	70	E222		KE	050	9	P170	HCG74	01	HCG73		D05
00236		P01	71	E243		KD	050	92	P171	HCPRB+52	03	HCPRB+51		D05
00235		P01	72	E223		KD	050	9	P172	HCG73	02			D05
00224		P01	73	E253		FA	050	9	P173	HC01A0	01			D05
00225		P01	74	E252		FA	050	9	P174	HC01B0	01			D05
00226		P01	75	P03	20B	FB	050	9	P175	HC20A01	01			D05
00223		P01	76	P03	21B	FB	050	9	P176	HCTP210	01			D05
00227		P01	77	E224		FC	050	9	P177	HC40A0	01			D05
00228		P01	78	E225		FC	050	9	P178	HC40B0	01			D05
00220		P01	79	E244		FD	050	9	P179	HCDNRGA1	01			D05
00238		P01	80	L1	-CT	KF	050	92	P180	HC+15V3	02			D05
00221		P01	81	E237		FD	050	9	P181	HCNRGA1	01			D05
00240		P01	82	E239		KG	050	92	P182	HC+15R1	01			D05
00219		P01	83	E254		FE	050	9	P183	HCG81	01			D05
00243		P01	84			KH	050	9	P184	SPW	01			D05

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

CONNECTOR

UNIT ASSEMBLY NO. 10281447 REV D INDEX P02
FILE IDENT TS05MPHA DATE 08-31-82 PAGE 8

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00063		P02	01			E162			BJ	050	90	P201		HAP37D	02										D05
00064		P02	02			E126			BJ	050	9	P202		HCG37	01										D05
00065		P02	03			E054			BK	050	90	P203		HAP48D	02										D05
00066		P02	04			E018			BK	050	9	P204		HCG48	01										D05
00067		P02	05			E053			BM	050	90	P205		HAP55D	02										D05
00068		P02	06			E017			BM	050	9	P206		HCG55	01										D05
00069		P02	07			E160			BN	050	90	P207		HAP53D	02										D05
00070		P02	08			E124			BN	050	9	P208		HCG53	01										D05
00071		P02	09			E052			BP	050	90	P209		HAP56D	02										D05
00072		P02	10			E016			BP	050	9	P210		HCG56	01										D05
00073		P02	11			E159			BR	050	90	P211		HAP52D	02										D05
00074		P02	12			E123			BR	050	9	P212		HCG52	01										D05
00075		P02	13			E158			BS	050	90	P213		HAP51D	02										D05
00076		P02	14			E122			BS	050	9	P214		HCG51	01										D05
00077		P02	15			E050			BT	050	90	P215		HAP58D	02										D05
00078		P02	16			E014			BT	050	9	P216		HCG58	01										D05
00079		P02	17			E049			BU	050	90	P217		HAP59D	02										D05
00080		P02	18			E013			BU	050	9	P218		HCG59	01										D05
00081		P02	19			E156			BV	050	90	P219		HAP49D	02										D05
00082		P02	20			E120			BV	050	9	P220		HCG49	01										D05
00083		P02	21			E047			BW	050	90	P221		HAP67D	02										D05
00084		P02	22			E011			BW	050	9	P222		HCG67	01										D05
00085		P02	23			E046			BX	050	90	P223		HAP68D	02										D05
00086		P02	24			E010			BX	050	9	P224		HCG68	01										D05
00087		P02	25			E153			BY	050	90	P225		HAP65D	02										D05
00088		P02	26			E117			BY	050	9	P226		HCG65	01										D05
00089		P02	27			E045			BZ	050	90	P227		HAP64D	02										D05
00090		P02	28			E009			BZ	050	9	P228		HCG64	01										D05
00091		P02	29			E152			CA	050	90	P229		HAP70D	02										D05
00092		P02	30			E116			CA	050	9	P230		HCG70	01										D05
00093		P02	31			E044			CB	050	90	P231		HAP63D	02										D05
00094		P02	32			E008			CB	050	9	P232		HCG63	01										D05
00095		P02	33			E151			CC	050	90	P233		HAP71D	02										D05
00096		P02	34			E115			CC	050	9	P234		HCG71	01										D05
00097		P02	35			E042			CD	050	90	P235		HAP61D	02										D05
00098		P02	36			E006			CD	050	9	P236		HCG61	01										D05
00099		P02	37			E077			CE	050	90	P237		HAP06D	01										D05
00100		P02	38			E041			CE	050	9	P238		HCG06	01										D05
00101		P02	39			E075			CF	050	90	P239		HAP09D	01										D05
00102		P02	40			E039			CF	050	9	P240		HCG09	01										D05
00103		P02	41			E073			CG	050	90	P241		HAP11D	01										D05
00104		P02	42			E037			CG	050	9	P242		HCG11	01										D05
00105		P02	43			E072			CH	050	90	P243		HAP12D	01										D05
00106		P02	44			E036			CH	050	9	P244		HCG12	01										D05
00107		P02	45			E069			CJ	050	90	P245		HAP21D	01										D05
00108		P02	46			E033			CJ	050	9	P246		HCG21	01										D05
00109		P02	47			E179			CK	050	90	P247		HAP18D	01										D05
00110		P02	48			E143			CK	050	9	P248		HCG18	01										D05
00111		P02	49			E067			CM	050	90	P249		HAP23D	01										D05
00112		P02	50			E031			CM	050	9	P250		HCG23	01										D05

CONNECTOR (P02) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

CONNECTOR

UNIT ASSEMBLY NO. 10281447 REV D INDEX P02
FILE IDENT TS05MPHA DATE 08-31-82 PAGE 9

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00113		P02	51			E175			CN	050	90	P251		HAP14D	01										D05
00114		P02	52			E139			CN	050	9	P252		HCG14	01										D05
00115		P02	53			E063			CP	050	90	P253		HAP33D	01										D05
00116		P02	54			E027			CP	050	9	P254		HCG33	01										D05
00117		P02	55			E173			CR	050	90	P255		HAP30D	01										D05
00118		P02	56			E137			CR	050	9	P256		HCG30	01										D05
00119		P02	57			E061			CS	050	90	P257		HAP35D	01										D05
00120		P02	58			E025			CS	050	9	P258		HCG35	01										D05
00121		P02	59			E169			CT	050	90	P259		HAP26D	01										D05
00122		P02	60			E133			CT	050	9	P260		HCG26	01										D05
00123		P02	61			E167			CU	050	90	P261		HAP42D	01										D05
00124		P02	62			E131			CU	050	9	P262		HCG42	01										D05
00125		P02	63			E057			CV	050	90	P263		HAP45D	01										D05
00126		P02	64			E021			CV	050	9	P264		HCG45	01										D05
00127		P02	65			E055			CW	050	90	P265		HAP47D	01										D05
00128		P02	66			E019			CW	050	9	P266		HCG47	01										D05
00129		P02	67			E051			CX	050	90	P267		HAP57D	01										D05
00130		P02	68			E015			CX	050	9	P268		HCG57	01										D05
00131		P02	69			E161			CY	050	90	P269		HAP54D	01										D05
00132		P02	70			E125			CY	050	9	P270		HCG54	01										D05
00133		P02	71			E163			CZ	050	90	P271		HAP38D	01										D05
00134		P02	72			E127			CZ	050	9	P272		HCG38	01										D05
00135		P02	73			E157			DA	050	90	P273		HAP50D	01										D05
00136		P02	74			E121			DA	050	9	P274		HCG50	01										D05
00137		P02	75			E048			DB	050	90	P275		HAP60D	01										D05
00138		P02	76			E012			DB	050	9	P276		HCG60	02										D05
00139		P02	77			E155			DC	050	90	P277		HAP66D	01										D05
00140		P02	78			E119			DC	050	9	P278		HCG66	01										D05
00141		P02	79			E154			DD	050	90	P279		HAP69D	01										D05
00142		P02	80			E118			DD	050	9	P280		HCG69	01										D05
00143		P02	81			E150			DE	050	90	P281		HAP72D	01										D05
00144		P02	82			E114			DE	050	9	P282		HCG72	01										D05
00145		P02	83			E043			DF	050	90	P283		HAP62D	01										D05
00146		P02	84			E007			DF	050	9	P284		HCG62	01										D05

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

CONNECTOR

UNIT ASSEMBLY NO. 10281447 REV D INDEX P03
FILE IDENT TS05MPHA DATE 08-31-82 PAGE 10

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00258		P03	01A			E250				9AE	0	0005		HC01A0T	02										C03
00259		P03	01A			E251				9AE	0	0006		HC01A0T	03										C03
00260		P03	01B			E249				9AE	0	0007		HC01B0T	02										C03
00261		P03	01B			E248				9AE	0	0008		HC01B0T	03										C03
00153		P03	02A			E221				9AE	9	0153		HAP07DT	01										D05
00152		P03	02B			E113				9AE	9	0152		HAP06DT	02										D05
00154		P03	03A			E220				9AE	9	0154		HAP08DT	01										D05
00151		P03	03B			E112				9AE	9	0151		HAP05DT	01										D05
00150		P03	04A			E219				9AE	9	0150		HAP04DT	01										D05
00155		P03	04B			E111				9AE	9	0155		HAP09DT	02										D05
00149		P03	05A			E218				9AE	9	0149		HAP03DT	01										D05
00156		P03	05B			E110				9AE	9	0156		HAP10DT	01										D05
00148		P03	06A			E217				9AE	9	0148		HAP02DT	01										D05
00157		P03	06B			E109				9AE	9	0157		HAP11DT	02										D05
00147		P03	07A			E216				9AE	9	0147		HAP01DT	01										D05
00158		P03	07B			E108				9AE	9	0158		HAP12DT	02										D05
00222		P03	08A			E246				9AE	2	0222		HCPRB+53	01	HCPRB+51									D05
00257		P03	08A			E247				9AE	2	0003		HCPRB+53	04	HCPRB+51									C03
00165		P03	08B			E107				9AE	9	0165		HAP19DT	01										D05
00164		P03	09A			E215				9AE	9	0164		HAP18DT	02										D05
00166		P03	09B			E106				9AE	9	0166		HAP20DT	01										D05
00163		P03	10A			E214				9AE	9	0163		HAP17DT	01										D05
00167		P03	10B			E105				9AE	9	0167		HAP21DT	02										D05
00162		P03	11A			E213				9AE	9	0162		HAP16DT	01										D05
00168		P03	11B			E104				9AE	9	0168		HAP22DT	01										D05
00161		P03	12A			E212				9AE	9	0161		HAP15DT	01										D05
00169		P03	12B			E103				9AE	9	0169		HAP23DT	02										D05
00160		P03	13A			E211				9AE	9	0160		HAP14DT	02										D05
00170		P03	13B			E102				9AE	9	0170		HAP24DT	01										D05
00159		P03	14A			E210				9AE	9	0159		HAP13DT	01										D05
00177		P03	14B			E101				9AE	9	0177		HAP31DT	01										D05
00176		P03	15A			E209				9AE	9	0176		HAP30DT	02										D05
00178		P03	15B			E100				9AE	9	0178		HAP32DT	01										D05
00175		P03	16A			E208				9AE	9	0175		HAP29DT	01										D05
00179		P03	16B			E099				9AE	9	0179		HAP33DT	02										D05
00174		P03	17A			E207				9AE	9	0174		HAP28DT	01										D05
00180		P03	17B			E098				9AE	9	0180		HAP34DT	01										D05
00253		P03	17B			E235				9AE	9	0009		HAP34DT	00										C03
00173		P03	18A			E206				9AE	9	0173		HAP27DT	01										D05
00181		P03	18B			E097				9AE	9	0181		HAP35DT	02										D05
00172		P03	19A			E205				9AE	9	0172		HAP26DT	02										D05
00182		P03	19B			E096				9AE	9	0182		HAP36DT	01										D05
00171		P03	20A			E204				9AE	9	0171		HAP25DT	01										D05
00188		P03	21A			E203				9AE	9	0188		HAP42DT	02										D05
00187		P03	22A			E202				9AE	9	0187		HAP41DT	01										D05
00189		P03	22B			E095				9AE	9	0189		HAP43DT	01										D05
00186		P03	23A			E201				9AE	9	0186		HAP40DT	01										D05
00190		P03	23B			E094				9AE	9	0190		HAP44DT	01										D05
00185		P03	24A			E200				9AE	9	0185		HAP39DT	01										D05
00191		P03	24B			E093				9AE	9	0191		HAP45DT	02										D05

CONNECTOR (P03) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281447
UNIT ASSEMBLY NAME W/L MTS PROBE 1A6D

CONNECTOR

UNIT ASSEMBLY NO. 10281447 REV D INDEX P03
FILE IDENT TSQ5MPHA DATE 08-31-82 PAGE 11

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00184		P03	25A			E199				9AE	9	0184		HAP38DT	02										D05
00192		P03	25B			E092				9AE	9	0192		HAP46DT	01										D05
00254		P03	25B			E234				9AE	9	0015		HAP46DT	00										C03
00183		P03	26A			E198				9AE	9	0183		HAP37DT	01										D05
00193		P03	26B			E091				9AE	9	0193		HAP47DT	02										D05
00229		P03	27A			E230				9AE	0	0229		HCG73T	03										D05
00256		P03	27A			E232				9AE	0	0004		HCG73T	04										C03
00194		P03	27B			E090				9AE	9	0194		HAP48DT	01										D05
00200		P03	28A			E197				9AE	9	0200		HAP54DT	02										D05
00201		P03	28B			E089				9AE	9	0201		HAP55DT	01										D05
00199		P03	29A			E196				9AE	9	0199		HAP53DT	01										D05
00202		P03	29B			E088				9AE	9	0202		HAP56DT	01										D05
00198		P03	30A			E195				9AE	9	0198		HAP52DT	01										D05
00203		P03	30B			E087				9AE	9	0203		HAP57DT	02										D05
00197		P03	31A			E194				9AE	9	0197		HAP51DT	01										D05
00204		P03	31B			E086				9AE	9	0204		HAP58DT	01										D05
00196		P03	32A			E193				9AE	9	0196		HAP50DT	02										D05
00255		P03	32A			E233				9AE	9	0014		HAP50DT	00										C03
00205		P03	32B			E085				9AE	9	0205		HAP59DT	01										D05
00195		P03	33A			E192				9AE	9	0195		HAP49DT	01										D05
00206		P03	33B			E084				9AE	9	0206		HAP60DT	02										D05
00212		P03	34A			E191				9AE	9	0212		HAP66DT	01										D05
00213		P03	34B			E083				9AE	9	0213		HAP67DT	01										D05
00215		P03	35A			E190				9AE	9	0215		HAP69DT	02										D05
00214		P03	35B			E082				9AE	9	0214		HAP68DT	01										D05
00211		P03	36A			E189				9AE	9	0211		HAP65DT	01										D05
00210		P03	36B			E081				9AE	9	0210		HAP64DT	01										D05
00216		P03	37A			E188				9AE	9	0216		HAP70DT	01										D05
00209		P03	37B			E080				9AE	9	0209		HAP63DT	01										D05
00217		P03	38A			E187				9AE	9	0217		HAP71DT	01										D05
00208		P03	38B			E079				9AE	9	0208		HAP62DT	02										D05
00218		P03	39A			E186				9AE	9	0218		HAP72DT	02										D05
00207		P03	39B			E078				9AE	9	0207		HAP61DT	01										D05
00262		P03	40A			E226				9AE	0	0010		HC40A0T	02										C03
00263		P03	40A			E227				9AE	0	0011		HC40A0T	03										C03
00264		P03	40B			E228				9AE	0	0012		HC40B0T	02										C03
00265		P03	40B			E229				9AE	0	0013		HC40B0T	03										C03
00247		XDS1	01			P01	85			050	9	P185		HBJARD6	01										D05
00001		XDS1	02			XDS2	02			9AE	2	0001		+5VDC	03	HC+521									D05
00246		XDS2	01			P02	85			050	9	P285		HBJAPD6	01										D05

3-2879-1

TEST ASSEMBLY, PLUG-IN UNIT, WIRED
STRING WIRE LIST
WL10281449

NOTES: UNLESS OTHERWISE SPECIFIED

1. REFERENCE TO SHEET 3 FOR DEFINITION OF FIELDS.
2. REFERENCE TO SHEET 4 FOR CONFIGURATIONS OF SHIELD AND WIRE TERMINATIONS.
3. REFERENCE TO SHEET 5 FOR WIRE CODE DEFINITIONS.
4. REFERENCE TO SHEETS 6 AND 7 FOR WIRE PARTS LIST.
5. ALL ABBREVIATIONS PER MIL-STD-12.
6. THROUGHOUT THE BODY OF THIS DOCUMENT THE UNIT NAME IS REFERRED TO AS: WIRING HARNESS, TEST SET.
7. SPECIAL INSTRUCTION "B" IDENTIFIES THE WIRES WHICH SHALL NOT EXCEED 1/2 INCH IN LENGTH MEASURED FROM THE SOLDER CONNECTION TO THE POINT OF ENTRY ON THE CONNECTOR.
8. SPECIAL INSTRUCTION "C" IDENTIFIES TWISTED WIRES WHICH ARE TO RECEIVE SPECIAL ATTENTION. THE UNTWISTED PORTION OF THESE WIRES SHALL NOT EXCEED 3/4 OF AN INCH.
9. PARTS LIST FOR REFERENCE ONLY.

H78 STRING AND DOUBLE ENTRY LIST, DEFINITION OF FIELDS

1. **Record Number -** A unique Data Processing number which associates all information pertaining to a wire: "FROM" Connector, "TO" Connector, Wire Code, etc. This number is the Wire ID when that field is blank.
2. **Prefix** - An assembly alphanumeric to be used when a wire terminates in two assemblies. This number will be the reference designation as required by USAS Y32.16-1968.
3. **Connector** - Any type of terminating point (Plug, Receptacle, etc.). Designations are in accordance with USAS Y32.16-1968.
4. **Pin** - Exact termination point of the respective connector. Designations are unique:

   A. SHXXXX indicates the junction of shield and a pigtail; the four digits to the right are the wire identity of the shielded wire.

   B. JCT indicates a common point of two or more shield pigtails.

   C. Jacket: the term used when describing the line that defines the identification of a shielded wire.
5. **Sh. Fig** - References a graphic representation showing how a shielded wire or coax is to be terminated. A number in these fields indicates the level of automatic wire wrapping.
6. **Multi Group** - Associates wire of a group such as "twisted wire" or "shielded wire". Jacket pigtails, and center conductors will be shown as a common group.
7. **Wire Code** - A three digit code for wire type and gage or buss bar.
8. **Wire Color** - Standard RETMA color code.

   A. Base Stripe Tracer.

   B. Stripe, Tracer 1, and Tracer 2 if the digit to the left is other than 9 and the two positions to the right are not blank and not equal. The base color is understood to be white.
9. **Wire Ident** - A number used for reference to differentiate one wire from another. This number will be used to identify the wire when specified in the Wire List Sleeve Code Field.
10. **Sleeve** - A code which indicates that the wire be specifically identified as follows:

    A. Identification at each end of wire.

    B. Stamp sleeving with "FROM" connector and pin.

    C. Stamp sleeving with "TO" connector and pin.

    D. Identification at intervals along wire.

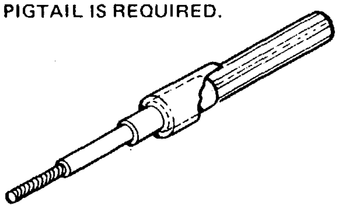
H78 STRING AND DOUBLE ENTRY LIST, DEFINITION OF FIELDS - Continued

11. **Spc. Inst**. - A code which indicates that a wire must be given special attention as follows:
    A. Direct routing, no service loops, no harnessing.
    B. See general notes or instruction pages.
    C. See general notes or instruction pages.
    D. See general notes or instruction pages.
    E. See general notes or instruction pages.
    F. See signal description.
    G. This connection does not go directly to the "TO" connector but intersects a line going to the "TO" connector.
    H. See special routing page.
    I. Junction point for multilayer laiminated board (MLB) connection.
    J. Denotes a buss reference point.
    K. Blank out "TO" connector and pin.
    L. Will cause a single name of three characters or less to be entered in the string list.
    M. Will cause a record to be omitted from the string list. (This record will print in the connector list.)
    N. Will suppress printing the wire identification in the harness string and double entry list.
    P. Will cause the equation to be used as the signal name only for sorting purposes in the string list.
    Q. Will cause an equation record to be omitted from logic listing.
    R. Will suppress printing the "FROM/TO" pin number in the string and connector list.
    S. Do not move record number to the identification field for an ADD transac tion in the harness string and double entry only. (Use only when adding a file.)
    T. Twist wire code.
    U. Not available.
    V. See general notes or instruction pages.
    W. Fixed wire length submitted.
    X. Sequence of string is to be left as is.
    Y. See general notes or instruction pages.
    Z. Will suppress printing of the "FROM" pin.
12. **Signal** - An alphanumeric signal name, mnemonic where feasible, which identifies one specific function. from another.
13. **String Seq. No**. - A number which, in conjunction with SIGNAL, allows a signal string to be consistently printed in a given order.
14. **Signal Description** - A written description or name of a signal or voltage.
15. **ECO No**. - A letter number combination to show the Engineering Change Order level of that particular wire list record.

Drawing No.
WL10281449
Rev. G, sheet 3

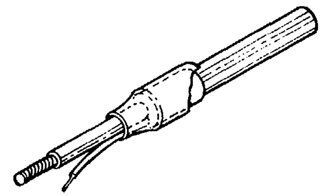
SHIELD FIGURE A

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, NO PIGTAIL IS REQUIRED.



SHIELD FIGURE B

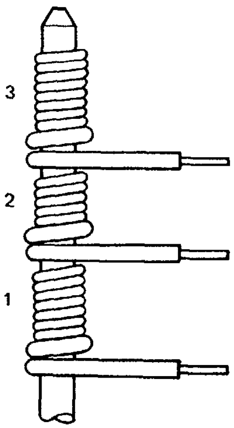
SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, FRONT PIGTAIL IS REQUIRED.



SHIELD FIGURE NO. 3

SHIELD FIGURE NO. 2

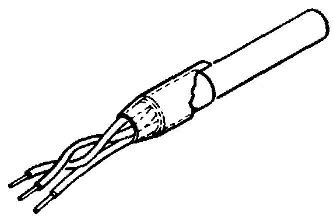
SHIELD FIGURE NO. 1



SHIELD FIGURE NUMBER INDICATES LEVEL OF WIRE WRAP

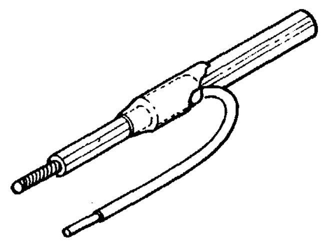
SHIELD FIGURE G

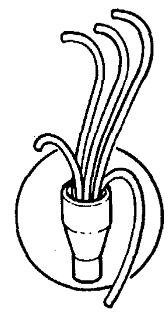
SHIELDED CABLE TERMINATION WITH DRAIN WIRE



SHIELD FIGURE C

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, A REAR PIGTAIL IS REQUIRED.



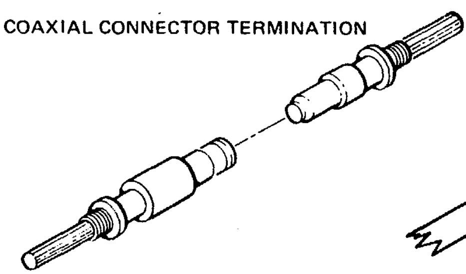


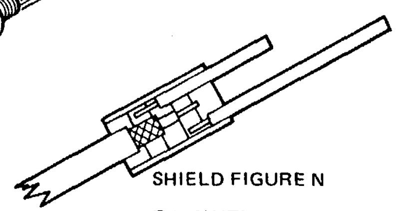
SHIELD FIGURE X

SHIELDED WIRE PIGTAILS—HYBRID

SHIELD FIGURE Z

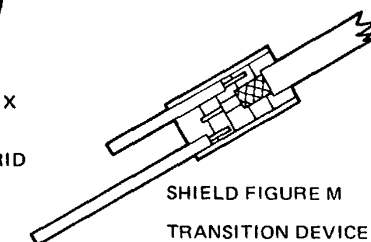
COAXIAL CONNECTOR TERMINATION





SHIELD FIGURE N

TRANSITION DEVICE WITH SOLID WIRE PIGTAILS



SHIELD FIGURE M

TRANSITION DEVICE WITH STRANDED WIRE PIGTAILS

Drawing No.
WL10281449
Rev. G, sheet 4

PARTS LIST

PARTS LIST		CODE IDENT	PL WL10281449	REVISION G
TITLE TEST ASSY, PLUG-IN UNIT, WIRED - WIRE LIST			CONTRACT NUMBER DAAH01-71-C-0012	SHEET 5/6

ITEM NO.	FEET OF WIRE REQD	CODE IDENT	PART OR IDENTIFYING NUMBER	DRAWING OR DOCUMENT NUMBER	NOMENCLATURE OR DESCRIPTION	REF SYM	TIMES USED	WIRE CODE	LINE REV
1.			QQ-W-343		WIRE, ELEC, UNINSUL (947942-1122) 22 GAGE		1	01F	
2.	6		898035-5		CABLE, ELEC, SHLD, JKT, TW. TWO CNDCT TFE INSUL 20 GAGE (BROWN, WHITE)		2	3FG	
3.	100		M81044/12-26-0	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 26 GAGE (BLACK)		19	9AD	
4.	5		M81044/12-26-2	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 26 GAGE (RED)		2	9AD	
5.	2179		M81044/12-26-9	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 26 GAGE (WHITE)		781	9AD	
6.	60		M81044/12-22-0	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 22 GAGE (BLACK)		21	9AF	
7.	90		M81044/12-22-2	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 22 GAGE (RED)		37	9AF	
8.	40		M81044/12-22-9	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 22 GAGE (WHITE)		8	9AF	
9.	44		M81044/12-20-0	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 20 GAGE (BLACK)		4	9AG	
10.	288		MIS-19652-2260	MIL-W-81044	WIRE, ELEC, TWISTED TWO CNDCT 26 GAGE (BLACK, WHITE)		72	9DD	
11.	100		MIS-19652-2222	MIL-W-81044	WIRE, ELEC, TWISTED TWO CNDCT 22 GAGE (BLACK, RED)		30	9DF	
					(PARTS LIST FOR REFERENCE ONLY)				

3-3670B (11/73)

18876

PARTS LIST		CODE IDENT	PL WL10281449	REVISION G
TITLE TEST ASSY, PLUG-IN UNIT, WIRED - WIRE LIST			CONTRACT NUMBER DAAH01-71-C-0012	SHEET 7

ITEM NO.	FEET OF WIRE REQD	CODE IDENT	PART OR IDENTIFYING NUMBER	DRAWING OR DOCUMENT NUMBER	NOMENCLATURE OR DESCRIPTION	REF SYM	TIMES USED	WIRE CODE	LINE REV
12.	8		MIS-19652-2227	MIL-W-81044	WIRE, ELEC, TWISTED TWO CNDCT 22 GAGE (BLACK, VIOLET)		3	9DF	
13.	25		M81044/12-22-7	MIL-W-81044/12	WIRE, ELEC, CROSSLINKED POLYALKENE INSUL 150C 22 GAGE (VIOLET)		3	9AF	
14.	2		QQ-W-343		WIRE, ELEC, UNINSUL (947942-1126) 26 GAGE		3	01D	

(PARTS LIST FOR REFERENCE ONLY)

3-3670B (11/73)

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC. INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
00046		P2132	03			P03	07		AH	9DF	2	0046			+05RESA	01		
00044		P1136	03			P03	06		AF	9DF	2	0044			+05RESB	01		
00733		P03	01			J04	74			9AD	2	0733			+5VH0	01		B01
00038		P03	02			XDS10	02		AB	9DF	2	0038			+5VH1		+5V	
00011		XDS01	02			XDS02	02			9AF	2	0011			+5VH1		+5V	
00012		XDS02	02			S01	07			9AF	2	0012			+5VH1		+5V	
00013		XDS04	02			XDS01	02			9AF	2	0013			+5VH1		+5V	
00014		XDS05	02			XDS04	02			9AF	2	0014			+5VH1		+5V	
00015		XDS06	02			XDS05	02			9AF	2	0015			+5VH1		+5V	
00016		XDS07	02			XDS06	02			9AF	2	0016			+5VH1		+5V	
00017		XDS08	02			XDS07	02			9AF	2	0017			+5VH1		+5V	
00018		XDS09	02			XDS08	02			9AF	2	0018			+5VH1		+5V	
00019		XDS10	02			XDS11	02			9AF	2	0019			+5VH1		+5V	
00020		XDS11	02			XDS12	02			9AF	2	0020			+5VH1		+5V	
00021		XDS12	02			XDS13	02			9AF	2	0021			+5VH1		+5V	
00022		XDS13	02			XDS14	02			9AF	2	0022			+5VH1		+5V	
00023		XDS14	02			XDS15	02			9AF	2	0023			+5VH1		+5V	
00024		XDS15	02			XDS09	02			9AF	2	0024			+5VH1		+5V	
00025		A01	E145			S02	07			9AF	2	0025			+5VH3		+5V	
00036		P03	03			A01	E145		AA	9DF	2	0036			+5VH3		+5V	
00026		S02	07			S03	07			9AF	2	0026			+5VH3		+5V	G06
00027		S03	07			S04	07			9AF	2	0027			+5VH3		+5V	G06
00028		S04	07			S05	07			9AF	2	0028			+5VH3		+5V	G06
00029		S05	07			S06	07			9AF	2	0029			+5VH3		+5V	G06
00030		S06	07			XDS16	02			9AF	2	0030			+5VH3		+5V	
00031		XDS16	02			XDS17	02			9AF	2	0031			+5VH3		+5V	
00032		XDS17	02			XDS18	02			9AF	2	0032			+5VH3		+5V	
00033		XDS18	02			XDS19	02			9AF	2	0033			+5VH3		+5V	
00034		XDS19	02			XDS20	02			9AF	2	0034			+5VH3		+5V	
00035		XDS20	02			XDS21	02			9AF	2	0035			+5VH3		+5V	

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STRING

PAGE NO. 9

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00040		J07	256			P03	04		AD	9DF	2	0040			+5VH4	01		A02
00042		J07	258			P03	05		AE	9DF	2	0042			+5VH5	01		A02
00048		P01	01			P1145	12		AI	9DF	2	0048			+5VS01	01		
00050		P01	02			P1136	12		AJ	9DF	2	0050			+5VS02	01		
00052		P01	03			P1136	28		AK	9DF	2	0052			+5VS03	01		
00054		P01	05			P2106	12		AL	9DF	2	0054			+5VS05	01		
00056		P01	06			P2115	12		AM	9DF	2	0056			+5VS06	01		
00058		P01	07			P2124	12		AN	9DF	2	0058			+5VS07	01		
00049		P01	18			P1145	02		AI	9DF	0	0049			GNDS01	01		
00051		P01	19			P1136	02		AJ	9DF	0	0051			GNDS02	01		
00053		P01	20			P1136	16		AK	9DF	0	0053			GNDS03	01		
00055		P01	22			P2106	02		AL	9DF	0	0055			GNDS05	01		
00057		P01	23			P2115	02		AM	9DF	0	0057			GNDS06	01		
00059		P01	24			P2124	02		AN	9DF	0	0059			GNDS07	01		
00102		TB101	01			TB101	02			9AF	0	0102			GND00			
00103		TB101	02			TB101	39			9AF	0	0103			GND00			B01
00104		TB101	39			TB101	41			9AF	0	0104			GND00			B01
00105		TB101	41			TB101	79			9AF	0	0105			GND00			C01
00107		TB101	79			TB101	80			9AF	0	0107			GND00			
00037		P03	18			TB101	01		AA	9DF	0	0037			GND00	01		

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00108		J06	16			S06	08			9AF	0	0108			GND01			
00109		J06	32			J06	16			9AF	0	0109			GND01			G05
00110		J06	44			J06	32			9AF	0	0110			GND01			G05
00111		J06	58			J06	44			9AF	0	0111			GND01			G05
00112		J06	67			J06	58			9AF	0	0112			GND01			G05
00039		P03	19			J06	67		AB	9DF	0	0039			GND01	01		
00045		P1136	67			P03	23		AF	9DF	0	0045			GND02	01		
00041		J07	257			P03	21		AD	9DF	0	0041			GND04	01		A02
00043		J07	259			P03	22		AE	9DF	0	0043			GND05	01		A02
00047		P2132	02			P03	24		AH	9DF	0	0047			GND06	01		A02
02931		P3108	02			E01				9AF	0	2931			GND07			F01
01797		P3106	06			P2136	78			9AD	9	1797			HACWAOV	01		B03
00118		J07	035			P3107	21			9AD	9	0118			HADAAO			A02
00119		J07	035			P2106	06			9AD	9	0119			HADAAO		1 7A	A02
00120		J07	036			P3107	22			9AD	9	0120			HADABO			A02
00121		J07	036			P2106	01			9AD	9	0121			HADABO		2 6A	A02
00122		J07	037			P3107	19			9AD	9	0122			HADACO		3 5A	A02
00123		J07	037			P2106	09			9AD	9	0123			HADACO			A02
00124		J07	038			P3107	20			9AD	9	0124			HADADO			A02
00125		J07	038			P2109	01			9AD	9	0125			HADADO		4 4A	A02
00126		J07	039			P2106	15			9AD	9	0126			HADAEO		5 3B	A02
00127		J07	039			P3107	24			9AD	9	0127			HADAEO			A02

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STRING

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00128		J07	040			P3107	17			9AD	9	0128			HADAFO			A02
00129		J07	040			P2109	15			9AD	9	0129			HADAFO		6 2B	A02
00130		J07	041			P2109	22			9AD	9	0130			HADAGO		7 2A	A02
00131		J07	041			P3108	21			9AD	9	0131			HADAGO			A02
00132		J07	042			P2109	14			9AD	9	0132			HADAHO		8 3A	A02
00133		J07	042			P3108	22			9AD	9	0133			HADAHO			A02
00134		J07	043			P3108	19			9AD	9	0134			HADAIO			A02
00135		J07	043			P2109	21			9AD	9	0135			HADAIO		9 4B	A02
00136		J07	044			P3108	20			9AD	9	0136			HADAJO			A02
00137		J07	044			P2106	52			9AD	9	0137			HADAJO		10 3B	A02
00138		J07	045			P3108	24			9AD	9	0138			HADAKO			A02
00139		J07	045			P2106	46			9AD	9	0139			HADAKO		11 6B	A02
00140		J07	046			P3108	17			9AD	9	0140			HADALO			A02
00141		J07	046			P2106	45			9AD	9	0141			HADALO		12 7B	A02
00142		J07	047			P3109	21			9AD	9	0142			HADAMO			A02
00143		J07	047			P2106	66			9AD	9	0143			HADAMO		13 14A	A02
00144		J07	048			P2106	60			9AD	9	0144			HADANO		14 13A	A02
00145		J07	048			P3109	22			9AD	9	0145			HADANO			A02
00146		J07	049			P2109	52			9AD	9	0146			HADAPO		15 12A	A02
00147		J07	049			P3109	19			9AD	9	0147			HADAPO			A02
00148		J07	050			P3109	20			9AD	9	0148			HADAQO			A02
00149		J07	050			P2109	46			9AD	9	0149			HADAQO		16 11A	A02
00150		J07	051			P2109	66			9AD	9	0150			HADARO		17 10A	A02
00151		J07	051			P3110	21			9AD	9	0151			HADARO			A03

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00152		J07	052			P3109	17			9AD	9	0152			HADASO			A02
00153		J07	052			P2109	60			9AD	9	0153			HADASO		18 9A	A02
00154		J07	053			P2109	57			9AD	9	0154			HADATO		19 8B	A02
00155		J07	053			P3109	24			9AD	9	0155			HADATO			A03
00156		J07	054			P2109	63			9AD	9	0156			HADAUO		20 9B	A02
00157		J07	054			P3110	22			9AD	9	0157			HADAUO			A02
00158		J07	055			P2106	75			9AD	9	0158			HADBAO		21 10B	A02
00159		J07	055			P3110	17			9AD	9	0159			HADBAO			A03
00160		J07	056			P2106	72			9AD	9	0160			HADBBO		22 11B	A02
00161		J07	056			P3110	20			9AD	9	0161			HADBBO			A02
00162		J07	057			P3110	24			9AD	9	0162			HADBCO			A02
00163		J07	057			P2106	69			9AD	9	0163			HADBCO		23 12B	A02
00164		J07	058			P2109	75			9AD	9	0164			HADBDO		24 13B	A02
00165		J07	058			P3110	19			9AD	9	0165			HADBDO			A03
00166		J07	059			P3111	19			9AD	9	0166			HADBEO			A03
00167		J07	059			P2111	06			9AD	9	0167			HADBEO		25 20A	A02
00168		J07	060			P3111	22			9AD	9	0168			HADBFO			A02
00169		J07	060			P2111	01			9AD	9	0169			HADBFO		26 19A	A02
00170		J07	061			P2111	09			9AD	9	0170			HADBGO		27 18A	A02
00171		J07	061			P3111	21			9AD	9	0171			HADBGO			A03
00172		J07	062			P2111	15			9AD	9	0172			HADBHO		28 17A	A02
00173		J07	062			P3111	20			9AD	9	0173			HADBHO			A02
00174		J07	063			P3111	24			9AD	9	0174			HADBIO			A02
00175		J07	063			P2111	22			9AD	9	0175			HADBIO		29 16A	A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00176		J07	064			P2111	14			9AD	9	0176			HADBJ0		30 15A	A02
00177		J07	064			P3111	17			9AD	9	0177			HADBJ0			A02
00178		J07	065			P3112	21			9AD	9	0178			HADBK0			A02
00179		J07	065			P2111	21			9AD	9	0179			HADBK0		31 14B	A02
00180		J07	066			P2111	27			9AD	9	0180			HADBL0		32 15B	A02
00181		J07	066			P3112	22			9AD	9	0181			HADBL0			A02
00182		J07	067			P3112	19			9AD	9	0182			HADBM0			A02
00183		J07	067			P2111	38			9AD	9	0183			HADBM0		33 16B	A02
00184		J07	068			P2111	30			9AD	9	0184			HADBN0		34 17B	A02
00185		J07	068			P3112	20			9AD	9	0185			HADBN0			A02
00186		J07	069			P3112	24			9AD	9	0186			HADBP0			A02
00187		J07	069			P2111	33			9AD	9	0187			HADBP0		35 18B	A02
00188		J07	070			P2111	39			9AD	9	0188			HADBQ0		36 19B	A02
00189		J07	070			P3112	17			9AD	9	0189			HADBQ0			A02
00190		J07	071			P3113	21			9AD	9	0190			HADBR0			A02
00191		J07	071			P2111	52			9AD	9	0191			HADBR0		37 26A	A02
00192		J07	072			P2111	46			9AD	9	0192			HADBS0		38 25A	B01
00193		J07	072			P3113	22			9AD	9	0193			HADBS0			A02
00194		J07	073			P3113	19			9AD	9	0194			HADBT0			A02
00195		J07	073			P2111	45			9AD	9	0195			HADBT0		39 24A	A02
00196		J07	074			P2111	51			9AD	9	0196			HADBU0		40 23A	A02
00197		J07	074			P3113	20			9AD	9	0197			HADBU0			A02
00198		J07	075			P3113	24			9AD	9	0198			HADBV0			A02
00199		J07	075			P2111	66			9AD	9	0199			HADBV0		41 22A	A02

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00200		J07	076			P2111	60			9AD	9	0200			HADBWO		42 21A	A02
00201		J07	076			P3113	17			9AD	9	0201			HADBWO			A02
00202		J07	077			P3114	21			9AD	9	0202			HADCAO			A02
00203		J07	077			P2111	57			9AD	9	0203			HADCAO		43 22B	A02
00204		J07	078			P2111	63			9AD	9	0204			HADCBO		44 23B	A02
00205		J07	078			P3114	22			9AD	9	0205			HADCBO			A02
00206		J07	079			P3114	19			9AD	9	0206			HADCCO			A02
00207		J07	079			P2111	75			9AD	9	0207			HADCCO		45 24B	A02
00208		J07	080			P2111	72			9AD	9	0208			HADCDO		46 25B	A02
00209		J07	080			P3114	20			9AD	9	0209			HADCDO			A02
00210		J07	081			P3114	24			9AD	9	0210			HADCEO			A02
00211		J07	081			P2111	69			9AD	9	0211			HADCEO		47 26B	A02
00212		J07	082			P2111	80			9AD	9	0212			HADCFO		48 27B	A02
00213		J07	082			P3114	17			9AD	9	0213			HADCFO			A02
00214		J07	083			P3115	21			9AD	9	0214			HADCGO			A02
00215		J07	083			P2115	06			9AD	9	0215			HADCGO		49 33A	A02
00216		J07	084			P2115	01			9AD	9	0216			HADCHO		50 32A	A02
00217		J07	084			P3115	22			9AD	9	0217			HADCHO			A02
00218		J07	085			P3115	19			9AD	9	0218			HADCIO			A02
00219		J07	085			P2115	09			9AD	9	0219			HADCIO		51 31A	A02
00220		J07	086			P2115	15			9AD	9	0220			HADCJO		52 30A	A02
00221		J07	086			P3115	20			9AD	9	0221			HADCJO			A02
00222		J07	087			P3115	24			9AD	9	0222			HADCKO			A02
00223		J07	087			P2115	22			9AD	9	0223			HADCKO		53 29A	A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00224		J07	088			P2115	14			9AD	9	0224			HADCLO		54 28A	A02
00225		J07	088			P3115	17			9AD	9	0225			HADCLO			A02
00226		J07	089			P3116	21			9AD	9	0226			HADCMO			A02
00227		J07	089			P2115	21			9AD	9	0227			HADCMO		55 28B	A02
00228		J07	090			P2115	27			9AD	9	0228			HADCNO		56 29B	A02
00229		J07	090			P3116	22			9AD	9	0229			HADCNO			A02
00230		J07	091			P3116	19			9AD	9	0230			HADCPO			A02
00231		J07	091			P2115	38			9AD	9	0231			HADCPO		57 30B	A02
00232		J07	092			P2115	30			9AD	9	0232			HADCQO		58 31B	A02
00233		J07	092			P3116	20			9AD	9	0233			HADCQO			A02
00234		J07	093			P3116	24			9AD	9	0234			HADCRO			A02
00235		J07	093			P2115	33			9AD	9	0235			HADCRO		59 32B	A02
00236		J07	094			P2115	39			9AD	9	0236			HADCSO		60 33B	A02
00237		J07	094			P3116	17			9AD	9	0237			HADCSO			A02
00238		J07	095			P3117	21			9AD	9	0238			HADCTO			A02
00239		J07	095			P2115	52			9AD	9	0239			HADCTO		61 39B	A02
00240		J07	096			P3117	22			9AD	9	0240			HADCUO			A02
00241		J07	096			P2115	46			9AD	9	0241			HADCUO		62 38B	A02
00242		J07	097			P3117	19			9AD	9	0242			HADCVO			A02
00243		J07	097			P2115	45			9AD	9	0243			HADCVO		63 37B	A02
00244		J07	098			P3117	20			9AD	9	0244			HADCWO			A02
00245		J07	098			P2115	51			9AD	9	0245			HADCWO		64 36B	A02
00246		J07	099			P3117	24			9AD	9	0246			HADCXO			A02
00247		J07	099			P2115	66			9AD	9	0247			HADCXO		65 36A	B01

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00248		J07	100			P3117	17			9AD	9	0248			HADCY0			A02
00249		J07	100			P2115	60			9AD	9	0249			HADCY0		66 34A	A02
00250		J07	101			P3118	21			9AD	9	0250			HADCZ0			A02
00251		J07	101			P2115	57			9AD	9	0251			HADCZ0		67 34B	A02
00252		J07	102			P3118	22			9AD	9	0252			HADDA0			A02
00253		J07	102			P2115	63			9AD	9	0253			HADDA0		68 35B	A02
00254		J07	103			P3118	19			9AD	9	0254			HADDB0			A02
00255		J07	103			P2115	75			9AD	9	0255			HADDB0		69 35A	A02
00256		J07	104			P3118	20			9AD	9	0256			HADDC0			A02
00257		J07	104			P2115	72			9AD	9	0257			HADDC0		70 37A	A02
00258		J07	105			P3118	24			9AD	9	0258			HADDD0			A02
00259		J07	105			P2115	69			9AD	9	0259			HADDD0		71 38A	A02
00260		J07	106			P3118	17			9AD	9	0260			HADDE0			A02
00261		J07	106			P2115	80			9AD	9	0261			HADDE0		72 39A	A02
00854		P2106	51			P3105	41			9AD	9	2425			HAGM1A	01		B01
00896		P2109	30			P3105	59			9AD	9	2429			HAGM2A	01		B01
00914		P2109	51			P3105	69			9AD	9	2436			HAGM4A	01		B01
02890	360	P2107	02		360	P2107	E01			9AD	0	2890		B	HAG01			E02
01907		J01	16		360	P2107	E03		V1	9DD	0	1907		C	HAG01	01		F02
01909		J01	14		360	P2107	E02		V2	9DD	0	1909		C	HAG01	01		F02
01911		J01	10		360	P2107	E04		V3	9DD	0	1911		C	HAG01	01		F02
01913		J01	08		360	P2107	E05		V4	9DD	0	1913		C	HAG01	01		F02
02145		P2124	35			P3104	22			9AD	9	2365			HAG01A			A06

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STRING

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
02891	360	P2107	16		360	P2107	E07			9AD	0	2891		B	HAG02			E02
01915		J01	06		360	P2107	E09		V5	9DD	0	1915		C	HAG02	01		F02
01918		J02	38		360	P2107	E06		V6	9DD	0	1918		C	HAG02	01		F02
01920		J01	02		360	P2107	E08		V7	9DD	0	1920		C	HAG02	01		F02
01922		J01	04		360	P2107	E10		V8	9DD	0	1922		C	HAG02	01		F02
02146		P2124	36			P3104	30			9AD	9	2366			HAG02A			A06
02892	360	P2107	32		360	P2107	E12			9AD	0	2892		B	HAG03			E02
01924		J02	40		360	P2107	E14		V9	9DD	0	1924		C	HAG03	01		F02
01946		J01	12		360	P2107	E11		10	9DD	0	1946		C	HAG03	01		F02
01948		J02	42		360	P2107	E13		11	9DD	0	1948		C	HAG03	01		F02
01950		J02	44		360	P2107	E15		12	9DD	0	1950		C	HAG03	01		F02
02147		P2124	29			P3104	23			9AD	9	2367			HAG03A			A06
02893	360	P2107	44		360	P2107	E16			9AD	0	2893		B	HAG04			E02
01952		J01	32		360	P2107	E20		13	9DD	0	1952		C	HAG04	01		F02
01954		J02	52		360	P2107	E18		14	9DD	0	1954		C	HAG04	01		F02
01956		J01	28		360	P2107	E17		15	9DD	0	1956		C	HAG04	01		F02
01958		J01	24		360	P2107	E19		16	9DD	0	1958		C	HAG04	01		F02
02894	360	P2107	58		360	P2107	E22			9AD	0	2894		B	HAG05			E02
01960		J01	22		360	P2107	E25		17	9DD	0	1960		C	HAG05	01		F02
01962		J02	48		360	P2107	E23		18	9DD	0	1962		C	HAG05	01		F02
01964		J01	18		360	P2107	E21		19	9DD	0	1964		C	HAG05	01		F02
01966		J01	20		360	P2107	E24		20	9DD	0	1966		C	HAG05	01		F02
02149		P2124	39			P3104	39			9AD	9	2369			HAG05A			C01
02895	360	P2107	67		360	P2107	E26			9AD	0	2895		B	HAG06			E02
01968		J02	46		360	P2107	E29		21	9DD	0	1968		C	HAG06	01		F02
01970		J01	26		360	P2107	E28		22	9DD	0	1970		C	HAG06	01		F02
01972		J02	50		360	P2107	E27		23	9DD	0	1972		C	HAG06	01		F02
01974		J01	30		360	P2107	E30		24	9DD	0	1974		C	HAG06	01		F02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02150		P2124	52			P3104	40			9AD	9	2370			HAG06A			A06
02896	360	P2110	02		360	P2110	E01			9AD	0	2896		B	HAG07			E02
01976		J01	48		360	P2110	E03		25	9DD	0	1976		C	HAG07	01		F02
01978		J02	60		360	P2110	E02		26	9DD	0	1978		C	HAG07	01		F02
01980		J01	44		360	P2110	E04		27	9DD	0	1980		C	HAG07	01		F02
01982		J01	40		360	P2110	E05		28	9DD	0	1982		C	HAG07	01		F02
02151		P2124	47			P3104	32			9AD	9	2371			HAG07A			A06
02897	360	P2110	16		360	P2110	E07			9AD	0	2897		B	HAG08			E02
01984		J01	38		360	P2110	E09		29	9DD	0	1984		C	HAG08	01		F02
01986		J02	56		360	P2110	E06		30	9DD	0	1986		C	HAG08	01		F02
01988		J01	34		360	P2110	E08		31	9DD	0	1988		C	HAG08	01		F02
01990		J01	36		360	P2110	E10		32	9DD	0	1990		C	HAG08	01		F02
02898	360	P2110	32		360	P2110	E12			9AD	0	2898		B	HAG09			E02
01992		J02	54		360	P2110	E14		33	9DD	0	1992		C	HAG09	01		F02
01994		J01	42		360	P2110	E11		34	9DD	0	1994		C	HAG09	01		F02
01996		J02	58		360	P2110	E13		35	9DD	0	1996		C	HAG09	01		F02
01998		J01	46		360	P2110	E15		36	9DD	0	1998		C	HAG09	01		F02
02153		P2124	41			P3104	43			9AD	9	2373			HAG09A			A06
02899	360	P2110	44		360	P2110	E16			9AD	0	2899		B	HAG10			E02
02000		J02	02		360	P2110	E20		37	9DD	0	2000		C	HAG10	01		F02
02002		J02	72		360	P2110	E18		38	9DD	0	2002		C	HAG10	01		F02
02004		J01	58		360	P2110	E17		39	9DD	0	2004		C	HAG10	01		F02
02006		J01	54		360	P2110	E19		40	9DD	0	2006		C	HAG10	01		F02
02154		P2124	45			P3104	59			9AD	9	2374			HAG10A			C01
02900	360	P2110	58		360	P2110	E22			9AD	0	2900		B	HAG11			E02
02008		J01	50		360	P2110	E25		41	9DD	0	2008		C	HAG11	01		F02
02010		J02	62		360	P2110	E23		42	9DD	0	2010		C	HAG11	01		F02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
02012		J01	52		360	P2110	E21		43	9DD	0	2012		C	HAG11	01		F02
02014		J01	56		360	P2110	E24		44	9DD	0	2014		C	HAG11	01		F02
02155		P2124	51			P3104	49			9AD	9	2375			HAG11A			A06
02901	360	P2110	67		360	P2110	E26			9AD	0	2901		B	HAG12			E02
02016		J02	64		360	P2110	E29		45	9DD	0	2016		C	HAG12	01		F02
02017		J01	60		360	P2110	E28		46	9DD	0	2017		C	HAG12	01		F02
02019		J02	66		360	P2110	E27		47	9DD	0	2019		C	HAG12	01		F02
02021		J02	04		360	P2110	E30		48	9DD	0	2021		C	HAG12	01		F02
02156		P2124	64			P3104	48			9AD	9	2376			HAG12A			A06
02902	360	P2113	02		360	P2113	E01			9AD	0	2902		B	HAG13			E02
02023		J02	20		360	P2113	E03		49	9DD	0	2023		C	HAG13	01		F02
02025		J02	74		360	P2113	E02		50	9DD	0	2025		C	HAG13	01		F02
02027		J02	14		360	P2113	E04		51	9DD	0	2027		C	HAG13	01		F02
02029		J02	12		360	P2113	E05		52	9DD	0	2029		C	HAG13	01		F02
02157		P2124	61			P3104	53			9AD	9	2377			HAG13A			A06
02903	360	P2113	16		360	P2113	E07			9AD	0	2903		B	HAG14			E02
02031		J02	08		360	P2113	E09		53	9DD	0	2031		C	HAG14	01		F02
02033		J02	70		360	P2113	E06		54	9DD	0	2033		C	HAG14	01		F02
02035		J02	06		360	P2113	E08		55	9DD	0	2035		C	HAG14	01		F02
02037		J02	10		360	P2113	E10		56	9DD	0	2037		C	HAG14	01		F02
02904	360	P2113	32		360	P2113	E12			9AD	0	2904		B	HAG15			E02
02039		J02	68		360	P2113	E14		57	9DD	0	2039		C	HAG15	01		F02
02041		J02	16		360	P2113	E11		58	9DD	0	2041		C	HAG15	01		F02
02043		J02	18		360	P2113	E13		59	9DD	0	2043		C	HAG15	01		F02
02045		J02	76		360	P2113	E15		60	9DD	0	2045		C	HAG15	01		F02
02905	360	P2113	44		360	P2113	E16			9AD	0	2905		B	HAG16			E02
02047		J02	36		360	P2113	E20		61	9DD	0	2047		C	HAG16	01		F02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02049		J02	84		360	P2113	E18		62	9DD	0	2049		C	HAG16	01		F02
02051		J02	32		360	P2113	E17		63	9DD	0	2051		C	HAG16	01		F02
02053		J02	28		360	P2113	E19		64	9DD	0	2053		C	HAG16	01		F02
02160		P2124	59			P3104	63			9AD	9	2380			HAG16A			A06
02906	360	P2113	58		360	P2113	E22			9AD	0	2906		B	HAG17			E02
02055		J02	26		360	P2113	E25		65	9DD	0	2055		C	HAG17	01		F02
02057		J02	78		360	P2113	E23		66	9DD	0	2057		C	HAG17	01		F02
02059		J02	22		360	P2113	E21		67	9DD	0	2059		C	HAG17	01		F02
02061		J02	24		360	P2113	E24		68	9DD	0	2061		C	HAG17	01		F02
02907	360	P2113	67		360	P2113	E26			9AD	0	2907		B	HAG18			E02
02063		J02	80		360	P2113	E29		69	9DD	0	2063		C	HAG18	01		F02
02065		J02	30		360	P2113	E28		70	9DD	0	2065		C	HAG18	01		F02
02067		J02	34		360	P2113	E27		71	9DD	0	2067		C	HAG18	01		F02
02069		J02	82		360	P2113	E30		72	9DD	0	2069		C	HAG18	01		F02
02162		P2124	79			P3104	19			9AD	9	2382			HAG18A			A06
02163		P2124	73			P3104	20			9AD	9	2383			HAG19A			A06
02164		P2124	69			P3104	18			9AD	9	2384			HAG20A			A06
02165		P2124	74			P3104	21			9AD	9	2385			HAG21A			A06
02166		P2124	76			P3104	28			9AD	9	2386			HAG22A			A06
02167		P2124	75			P3104	31			9AD	9	2387			HAG23A			A06
02168		P2128	75			P3104	38			9AD	9	2388			HAG24A			A06
02169		P2128	22			P3104	41			9AD	9	2389			HAG25A			A06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02171		P2128	20			P3104	51			9AD	9	2391			HAG27A			A06
02172		P2128	17			P3104	52			9AD	9	2392			HAG28A			A06
02174		P2128	27			P3104	60			9AD	9	2394			HAG30A			A06
02175		P2128	38			P3104	67			9AD	9	2395			HAG31A			A06
02176		P2128	35			P3104	62			9AD	9	2396			HAG32A			A06
02177		P2128	36			P3104	13			9AD	9	2397			HAG33A			C01
02179		P2128	33			P3104	68			9AD	9	2399			HAG35A			A06
02180		P2128	39			P3104	69			9AD	9	2400			HAG36A			A06
02181		P2128	52			P3105	22			9AD	9	2401			HAG37A			A06
02182		P2128	47			P3105	30			9AD	9	2402			HAG38A			A06
02183		P2128	50			P3105	23			9AD	9	2403			HAG39A			A06
02184		P2128	41			P3105	33			9AD	9	2404			HAG40A			A06
02186		P2128	51			P3105	40			9AD	9	2406			HAG42A			A06
02187		P2128	64			P3105	32			9AD	9	2407			HAG43A			A06
02188		P2128	61			P3105	39			9AD	9	2408			HAG44A			A06
02189		P2128	62			P3105	43			9AD	9	2409			HAG45A			A06
02191		P2128	59			P3105	49			9AD	9	2411			HAG47A			A06

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02193		P2128	79			P3105	53			9AD	9	2413			HAG49A			A06
02195		P2128	69			P3105	64			9AD	9	2415			HAG51A			A06
02196		P2128	74			P3105	63			9AD	9	2416			HAG52A			A06
02198		P2136	11			P3105	19			9AD	9	2418			HAG54A			A06
02199		P2136	06			P3105	20			9AD	9	2419			HAG55A			A06
02200		P2136	04			P3105	18			9AD	9	2420			HAG56A			A06
02201		P2136	05			P3105	21			9AD	9	2421			HAG57A			A06
02202		P2136	09			P3105	28			9AD	9	2422			HAG58A			A06
02203		P2136	15			P3105	31			9AD	9	2423			HAG59A			A06
02204		P2136	22			P3105	38			9AD	9	2424			HAG60A			A06
02206		P2136	20			P3105	50			9AD	9	2426			HAG62A			A06
02207		P2136	17			P3105	51			9AD	9	2427			HAG63A			A06
02208		P2136	21			P3105	52			9AD	9	2428			HAG64A			A06
02211		P2136	35			P3105	67			9AD	9	2431			HAG67A			A06
02212		P2136	36			P3105	62			9AD	9	2432			HAG68A			A06
02214		P2136	33			P3105	13			9AD	9	2434			HAG70A			A06
02215		P2136	39			P3105	68			9AD	9	2435			HAG71A			A06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00262		J07	015			P2124	10			9AD	9	0262			HAHA00V	01	ID-1	A02
00263		J07	016			P2124	24			9AD	9	0263			HAHA10V	01	ID-2	A02
00264		J07	017			P2124	25			9AD	9	0264			HAHA20V	01	ID-4	A02
00265		J07	018			P2124	18			9AD	9	0265			HAHA30V	01	ID-8	A02
00266		J07	019			P2124	14			9AD	9	0266			HAHA40V	01	ID-16	A02
00267		J07	020			P2124	19			9AD	9	0267			HAHA50V	01	ID-32	A02
02148		P2140	55			P3104	33			9AD	9	2368			HAL04A			D06
02908		P2140	04			P3104	29			9AD	9	2908			HAL08A			C01
02909		P2140	07			P3104	61			9AD	9	2909			HAL14A			C01
02159		P2140	63			P3104	64			9AD	9	2379			HAL15A			D06
02910		P2140	15			P3104	12			9AD	9	2910			HAL17A			C01
02170		P2140	73			P3104	50			9AD	9	2390			HAL26A			D06
02911		P2140	20			P3104	42			9AD	9	2911			HAL29A			C01
02912		P2140	19			P3104	14			9AD	9	2912			HAL34A			C01
02913		P2140	27			P3105	29			9AD	9	2913			HAL41A			C01
02914		P2140	36			P3105	42			9AD	9	2914			HAL46A			C01
02192		P2140	74			P3105	48			9AD	9	2412			HAL48A			D06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02915		P2140	31			P3105	61			9AD	9	2915			HAL50A			C01
02916		P2140	39			P3105	12			9AD	9	2916			HAL53A			C01
00904		P2140	80			P3105	60			9AD	9	2430			HAL66A	01		D06
02917		P2140	50			P3105	14			9AD	9	2917			HAL69A			C01
01906		J01	15		360	P2107	06		V1	9DD	9	1906		C	HAP01D	01	TP7A	E02
01908		J01	13		360	P2107	01		V2	9DD	9	1908		C	HAP02D	01	TP6A	E02
01910		J01	09		360	P2107	09		V3	9DD	9	1910		C	HAP03D	01	TP5A	E02
01912		J01	07		360	P2107	15		V4	9DD	9	1912		C	HAP04D	01	TP4A	E02
01914		J01	05		360	P2107	22		V5	9DD	9	1914		C	HAP05D	01	TP3B	E02
01916		J02	37		360	P2107	14		V6	9DD	9	1916		C	HAP06D	01	TP2B	E02
01919		J01	01		360	P2107	21		V7	9DD	9	1919		C	HAP07D	01	TP2A	E02
01921		J01	03		360	P2107	27		V8	9DD	9	1921		C	HAP08D	01	TP3A	E02
01923		J02	39		360	P2107	38		V9	9DD	9	1923		C	HAP09D	01	TP4B	E02
01945		J01	11		360	P2107	30		10	9DD	9	1945		C	HAP10D	01	TP5B	E02
01947		J02	41		360	P2107	33		11	9DD	9	1947		C	HAP11D	01	TP6B	E02
01949		J02	43		360	P2107	39		12	9DD	9	1949		C	HAP12D	01	TP7B	E02
01951		J01	31		360	P2107	52		13	9DD	9	1951		C	HAP13D	01	TP14A	E02

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
01953		J02	51		360	P2107	46		14	9DD	9	1953		C	HAP14D	01	TP13A	E02
01955		J01	27		360	P2107	45		15	9DD	9	1955		C	HAP15D	01	TP12A	E02
01957		J01	23		360	P2107	51		16	9DD	9	1957		C	HAP16D	01	TP11A	E02
01959		J01	21		360	P2107	66		17	9DD	9	1959		C	HAP17D	01	TP10A	E02
01961		J02	47		360	P2107	60		18	9DD	9	1961		C	HAP18D	01	TP9A	E02
01963		J01	17		360	P2107	57		19	9DD	9	1963		C	HAP19D	01	TP8B	E02
01965		J01	19		360	P2107	63		20	9DD	9	1965		C	HAP20D	01	TP9B	E02
01967		J02	45		360	P2107	75		21	9DD	9	1967		C	HAP21D	01	TP10B	E02
01969		J01	25		360	P2107	72		22	9DD	9	1969		C	HAP22D	01	TP11B	E02
01971		J02	49		360	P2107	69		23	9DD	9	1971		C	HAP23D	01	TP12B	E02
01973		J01	29		360	P2107	80		24	9DD	9	1973		C	HAP24D	01	TP13B	E02
01975		J01	47		360	P2110	06		25	9DD	9	1975		C	HAP25D	01	TP20A	E02
01977		J02	59		360	P2110	01		26	9DD	9	1977		C	HAP26D	01	TP19A	E02
01979		J01	43		360	P2110	09		27	9DD	9	1979		C	HAP27D	01	TP18A	E02
01981		J01	39		360	P2110	15		28	9DD	9	1981		C	HAP28D	01	TP17A	E02
01983		J01	37		360	P2110	22		29	9DD	9	1983		C	HAP29D	01	TP16A	E02
01985		J02	55		360	P2110	14		30	9DD	9	1985		C	HAP30D	01	TP15A	E02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
01987		J01	33		360	P2110	21		31	9DD	9	1987		C	HAP31D	01	TP14B	E02
01989		J01	35		360	P2110	27		32	9DD	9	1989		C	HAP32D	01	TP15B	E02
01991		J02	53		360	P2110	38		33	9DD	9	1991		C	HAP33D	01	TP16B	E02
01993		J01	41		360	P2110	30		34	9DD	9	1993		C	HAP34D	01	TP17B	E02
01995		J02	57		360	P2110	33		35	9DD	9	1995		C	HAP35D	01	TP18B	E02
01997		J01	45		360	P2110	39		36	9DD	9	1997		C	HAP36D	01	TP19B	E02
01999		J02	01		360	P2110	52		37	9DD	9	1999		C	HAP37D	01	TP26A	E02
02001		J02	71		360	P2110	46		38	9DD	9	2001		C	HAP38D	01	TP25A	E02
02003		J01	57		360	P2110	45		39	9DD	9	2003		C	HAP39D	01	TP24A	E02
02005		J01	53		360	P2110	51		40	9DD	9	2005		C	HAP40D	01	TP23A	E02
02007		J01	49		360	P2110	66		41	9DD	9	2007		C	HAP41D	01	TP22A	E02
02009		J02	61		360	P2110	60		42	9DD	9	2009		C	HAP42D	01	TP21A	E02
02011		J01	51		360	P2110	57		43	9DD	9	2011		C	HAP43D	01	TP22B	E02
02013		J01	55		360	P2110	63		44	9DD	9	2013		C	HAP44D	01	TP23B	E02
02015		J02	63		360	P2110	75		45	9DD	9	2015		C	HAP45D	01	TP24B	E02
01917		J01	59		360	P2110	72		46	9DD	9	1917		C	HAP46D	01	TP25B	E02
02018		J02	65		360	P2110	69		47	9DD	9	2018		C	HAP47D	01	TP26B	E02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
02020		J02	03		360	P2110	80		48	9DD	9	2020		C	HAP48D	01	TP27B	E02
02022		J02	19		360	P2113	06		49	9DD	9	2022		C	HAP49D	01	TP33A	E02
02024		J02	73		360	P2113	01		50	9DD	9	2024		C	HAP50D	01	TP32A	E02
02026		J02	13		360	P2113	09		51	9DD	9	2026		C	HAP51D	01	TP31A	E02
02028		J02	11		360	P2113	15		52	9DD	9	2028		C	HAP52D	01	TP30A	E02
02030		J02	07		360	P2113	22		53	9DD	9	2030		C	HAP53D	01	TP29A	E02
02032		J02	69		360	P2113	14		54	9DD	9	2032		C	HAP54D	01	TP28A	E02
02034		J02	05		360	P2113	21		55	9DD	9	2034		C	HAP55D	01	TP28B	E02
02036		J02	09		360	P2113	27		56	9DD	9	2036		C	HAP56D	01	TP29B	E02
02038		J02	67		360	P2113	38		57	9DD	9	2038		C	HAP57D	01	TP30B	E02
02040		J02	15		360	P2113	30		58	9DD	9	2040		C	HAP58D	01	TP31B	E02
02042		J02	17		360	P2113	33		59	9DD	9	2042		C	HAP59D	01	TP32B	E02
02044		J02	75		360	P2113	39		60	9DD	9	2044		C	HAP60D	01	TP33B	E02
02046		J02	35		360	P2113	52		61	9DD	9	2046		C	HAP61D	01	TP39B	E02
02048		J02	83		360	P2113	46		62	9DD	9	2048		C	HAP62D	01	TP38B	E02
02050		J02	31		360	P2113	45		63	9DD	9	2050		C	HAP63D	01	TP37B	E02
02052		J02	27		360	P2113	51		64	9DD	9	2052		C	HAP64D	01	TP36B	E02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
02054		J02	25		360	P2113	66		65	9DD	9	2054		C	HAP65D	01	TP36A	E02
02056		J02	77		360	P2113	60		66	9DD	9	2056		C	HAP66D	01	TP34A	E02
02058		J02	21		360	P2113	57		67	9DD	9	2058		C	HAP67D	01	TP34B	E02
02060		J02	23		360	P2113	63		68	9DD	9	2060		C	HAP68D	01	TP35B	E02
02062		J02	79		360	P2113	75		69	9DD	9	2062		C	HAP69D	01	TP35A	E02
02064		J02	29		360	P2113	72		70	9DD	9	2064		C	HAP70D	01	TP37A	E02
02066		J02	33		360	P2113	69		71	9DD	9	2066		C	HAP71D	01	TP38A	E02
02068		J02	81		360	P2113	80		72	9DD	9	2068		C	HAP72D	01	TP39A	E02
02217		P1146	78			P3119	05			9AD	9	2361			HBB53A			F06
00268		P1145	65			S03	08			9AD	9	0268			HBCSTD6	01	SELF TEST	
02219		P1146	32			P3106	51			9AD	9	2296			HBFABD1			A06
02220		P1146	16			P3106	40			9AD	9	2364			HBFACD1			A06
02221		P1146	70			P3106	80			9AD	9	2353			HBFACOV			A06
02222		P1146	53			P3106	54			9AD	9	2339			HBFADD1			A06
02223		P1146	74			P3119	26			9AD	9	2357			HBFAEO			A06
02224		P1146	71			P3110	72			9AD	9	2354			HBFAGA			B01
02225		P1146	56			P3108	72			9AD	9	2342			HBFAJS			A06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
02226		P1146	57			P3109	72			9AD	9	2343			HBFAKS			A06
01804		P3106	18			P1145	75			9AD	9	1804			HBFAXAV	01		C01
02227		P1146	73			P3107	68			9AD	9	2356			HBFBRD1			A06
02228		P1146	77			P3119	06			9AD	9	2360			HBFVSD1			A06
00269		P1145	62			J02	85			9AD	9	0269			HBJAPD6	01	NO GO	
00067		P1145	58			P3111	75			9AD	9	0067			HBJAPOV	01		D07
00270		P1145	60			XDS02	01			9AD	9	0270			HBJAQD6	01	NO GO	
00271		P1145	63			J01	85			9AD	9	0271			HBJARD6	01	GO	
03065		P1145	69			P3116	75			9AD	9	3065			HBJAROV			D07
00272		P1145	61			XDS01	01			9AD	9	0272			HBJASD6	01	GO	
00273		P1145	64			S05	08			9AD	9	0273			HBJRCD6	01	REPEAT CYCLE	
02229		P1146	09			P3127	29			9AD	9	2300			HBJ000V			A06
02230		P1146	10			P3127	31			9AD	9	2301			HBJ010V			A06
02231		P1146	11			P3127	80			9AD	9	2302			HBJ020V			A06
02232		P1146	13			P3127	43			9AD	9	2303			HBJ030V			A06
02233		P1146	14			P3126	27			9AD	9	2304			HBJ040V			A06
02234		P1146	15			P3125	48			9AD	9	2305			HBJ050V			A06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02235		P1146	17			P3123	45			9AD	9	2306			HBJ060V			B02
02236		P1146	18			P3123	17			9AD	9	2307			HBJ070V			A06
02237		P1146	19			P3127	48			9AD	9	2308			HBJ080V			B02
02238		P1146	75			P3119	19			9AD	9	2358			HBKAD0V			A06
00274		A01	E068			J06	80			9AD	9	0274			HBKAMD		124 CARD	
00275		P1145	07			J06	80			9AD	9	0275			HBKAMD		124 CARD	
02239		P1146	76			P3119	31			9AD	9	2359			HBKAP0V			A06
00276		J04	37			P1145	08			9AD	9	0276			HBKARD	01	PWR OFF 1	
00277		J04	38			P1145	09			9AD	9	0277			HBKASD	01	PWR OFF 2	
00278		J04	39			P1145	10			9AD	9	0278			HBKATD	01	PWR OFF 3	
00279		J04	12			P1136	10			9AD	9	0279			HBKAUD1	01	CONT TEST	
00280		J07	011			P1136	64			9AD	9	0280			HBKB11V1	01	XADR-1	A02
00281		J07	012			P1136	61			9AD	9	0281			HBKB12V1	01	XADR-2	A02
00282		J07	013			P1136	63			9AD	9	0282			HBKB13V1	01	XADR-4	A02
00283		J07	014			P1136	65			9AD	9	0283			HBKB14V1	01	XADR-8	A02
00284		J07	111			P1145	43			9AD	9	0284			HBLAF0	01	OK TO CK FOR ER	A02
02240		P1146	69			P3107	72			9AD	9	2352			HBLAGA			A06
00285		J07	110			P1145	42			9AD	9	0285			HBLAK0V	01	TEST CP REQD	A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02241		P1146	20			P3107	76			9AD	9	2309			HBMY1AV			A06
02242		P1146	21			P3108	76			9AD	9	2310			HBMY2AV			A06
02243		P1146	22			P3109	76			9AD	9	2311			HBMY3AV			A06
02244		P1146	23			P3110	76			9AD	9	2312			HBMY4AV			A06
02245		P1146	24			P3111	76			9AD	9	2313			HBMY5AV			A06
02246		P1146	25			P3112	76			9AD	9	2314			HBMY6AV			A06
02247		P1146	72			P3106	20			9AD	9	2355			HBPPNR			A06
00286		J07	010			P1145	22			9AD	9	0286			HBST00V	01	STATE 10	A02
00287		J07	001			P1145	17			9AD	9	0287			HBST10V	01	STATE 1	A02
00288		J07	002			P1145	18			9AD	9	0288			HBST20V	01	STATE 2	A02
00289		J07	003			P1145	11			9AD	9	0289			HBST30V	01	STATE 3	A02
00290		J07	004			P1145	19			9AD	9	0290			HBST40V	01	STATE 4	A02
00291		J07	005			P1145	15			9AD	9	0291			HBST50V	01	STATE 5	A02
00292		J07	006			P1145	20			9AD	9	0292			HBST60V	01	STATE 6	A02
00293		J07	007			P1145	13			9AD	9	0293			HBST70V	01	STATE 7	A02
00294		J07	008			P1145	21			9AD	9	0294			HBST80V	01	STATE 8	A02
00295		J07	009			P1145	14			9AD	9	0295			HBST90V	01	STATE 9	A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00296		J07	027			P1145	30			9AF	2	0296			HBT190E	01	SELF TEST B0	A02
00297		J07	028			P1145	31			9AD	9	0297			HBT191E	01	SELF TEST B1	A02
00298		J07	029			P1145	33			9AD	9	0298			HBT192E	01	SELF TEST B2	A02
00299		J07	030			P1145	34			9AD	9	0299			HBT193E	01	SELF TEST B3	A02
00300		J07	031			P1145	35			9AD	9	0300			HBT200E	01	SELF TEST B4	A02
00301		J07	032			P1145	36			9AD	9	0301			HBT201E	01	SELF TEST B5	A02
00302		J07	033			P1145	37			9AD	9	0302			HBT202E	01	SELF TEST B6	A02
00303		J07	034			P1145	38			9AD	9	0303			HBT203E	01	SELF TEST B7	A02
03064		P1146	01			P3106	62			9AD	9	1821			HBUPU0	01		C02
02249		P1146	27			P3119	62			9AD	9	2316			HBWAY0			A06
02250		P1146	29			P3119	65			9AD	9	2317			HBWAZ0			A06
02251		P1146	80			P3119	55			9AD	9	2363			HBWBA0V			A06
03070		P1146	08			P3106	17			9AD	9	3070			HBWBCA			D02
01800		P1146	59			P3106	13			9AD	9	1800			HBWBDA	01		C01
01798		P1146	67			P3106	07			9AD	9	1798			HBWC3S	01		D02
00304		J07	021			P1145	23			9AD	9	0304			HBYA10V	01	Y ADR 1	A02
00305		J07	022			P1145	24			9AD	9	0305			HBYA20V	01	Y ADR 2	A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00306		J07	023			P1145	25			9AD	9	0306			HBYA30V	01	Y ADR 4	A02
00307		J07	024			P1145	26			9AD	9	0307			HBYA40V	01	Y ADR 8	A02
00308		J07	025			P1145	27			9AD	9	0308			HBYA50V		Y ADR 16	A02
00309		J07	026			P1145	29			9AD	9	0309			HBYA60V		Y ADR 32	A02
02092		J04	18			Q02	E		84	9DF	2	2092			HC+12V7	01		B01
02832		Q02	C			P01	35		92	9DF	2	2832			HC+12V8			B01
02084		P03	36			P3106	05		80	9DF	2	2084			HC+15V1			B02
02086		P03	37			P3106	76		81	9DF	2	2086			HC+15V2	01		
00310		J01	80			P3106	36		KF	9DF	2	0310			HC+15V3	01	+15V L1 POWER	C03
00313		P01	31			XDS03	02			9AD	2	0313			HC+5AUX	01		
02088		P01	12			P3106	28		82	9DF	2	2088			HC+5V26	01		
02252		HY01				P03	08		86	9DF	2	3201			HC+5V27			A04
00315		J04	25			HY01				9AF	2	0315			HC+5V27			A04
02096		J04	26			HY01				9AF	2	2096			HC+5V27			
00316		J04	27			HY02				9AF	2	0316			HC+5V28			A04
02098		J04	28			HY02				9AF	2	2098			HC+5V28			A04
02363		P03	09			HY02			87	9DF	2	3202			HC+5V28			
02253		HY03				P03	10		88	9DF	2	3203			HC+5V29			A04
00317		J04	60			HY03				9AF	2	0317			HC+5V29			A04
02100		J04	62			HY03				9AF	2	2100			HC+5V29			A04

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02072		J01	61			P01	10		74	9DF	2	2072			HC+521	01		
02074		J01	63			P01	09		75	9DF	2	2074			HC+522	01		
02077		P01	04			P3119	12		76	9DF	2	2077			HC+523	01		
02078		P01	08			P3119	28		77	9DF	2	2078			HC+524	01		
02080		P01	11			P3106	12		78	9DF	2	2080			HC+525	01		
01170		P3106	10			Q01	C			9AF	2	1170			HC+526	01		C01
01171		P3106	11			Q01	C			9AF	2	1171			HC+526	01		C01
02090		P03	40			Q04	E		83	9DF	7	2090			HC-15V1	01		C01
01169		Q04	E			P3106	08			9AF	7	1169			HC-15V1	02		C01
00318		J04	64			Q04	C			9AF	7	0318			HC-15V2	01		C01
02082		P01	39			P3119	51		79	9DF	7	2082			HC-5VDC	01		
02094		J04	19			P01	38		85	9DF	7	2094			HC-5V9	01		
00319		P1145	57			XDS04	01			9AD	9	0319			HCCFZ1			
00320		P3107	70			XDS04	01			9AD	9	0320			HCCFZ1			
00321		P1145	59			XDS05	01			9AD	9	0321			HCCFZ2			
00322		P3107	73			XDS05	01			9AD	9	0322			HCCFZ2			
00323		P1145	03			XDS06	01			9AD	9	0323			HCCFZ3			
00324		P3108	70			XDS06	01			9AD	9	0324			HCCFZ3			
00325		P1145	04			XDS07	01			9AD	9	0325			HCCFZ4			
00326		P3108	73			XDS07	01			9AD	9	0326			HCCFZ4			

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00327		P1145	05			XDS08	01			9AD	9	0327			HCCFZ5			
00328		P3109	70			XDS08	01			9AD	9	0328			HCCFZ5			
00329		P1145	06			XDS09	01			9AD	9	0329			HCCFZ6			
00330		P3109	73			XDS09	01			9AD	9	0330			HCCFZ6			
00331		J03	D			P02	12			9AG	0	0331			HCCHGND		CHASSIS GND	D05
02106		P04	12			J03	D			9AG	0	2204			HCCHGND		CHASSIS GND	D05
00333		J07	184			P3107	77			9AD	9	0333			HCC01A	01		A02
00334		J07	185			P3107	79			9AD	9	0334			HCC02A	01		A02
00335		J07	186			P3107	80			9AD	9	0335			HCC03A	01		A02
00336		J07	187			P3107	66			9AD	9	0336			HCC04A	01		A02
00337		J07	188			P3107	56			9AD	9	0337			HCC05A	01		A02
00338		J07	189			P3107	65			9AD	9	0338			HCC06A	01		A02
00339		J07	190			P3108	77			9AD	9	0339			HCC07A	01		A02
00340		J07	191			P3108	79			9AD	9	0340			HCC08A	01		A02
00341		J07	192			P3108	80			9AD	9	0341			HCC09A	01		A02
00342		J07	193			P3108	66			9AD	9	0342			HCC10A	01		A02
00343		J07	194			P3108	56			9AD	9	0343			HCC11A	01		A02
00344		J07	195			P3108	65			9AD	9	0344			HCC12A	01		A02
00345		J07	196			P3109	77			9AD	9	0345			HCC13A	01		A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00346		J07	197			P3109	79			9AD	9	0346			HCC14A	01		A02
00347		J07	198			P3109	80			9AD	9	0347			HCC15A	01		A02
00348		J07	199			P3109	66			9AD	9	0348			HCC16A	01		A02
00349		J07	200			P3110	77			9AD	9	0349			HCC17A	01		A03
00350		J07	201			P3109	65			9AD	9	0350			HCC18A	01		A02
00351		J07	202			P3109	56			9AD	9	0351			HCC19A	01		A03
00352		J07	203			P3110	79			9AD	9	0352			HCC20A	01		A02
00353		J07	204			P3110	65			9AD	9	0353			HCC21A	01		A03
00354		J07	205			P3110	66			9AD	9	0354			HCC22A	01		A02
00355		J07	206			P3110	56			9AD	9	0355			HCC23A	01		A02
00356		J07	207			P3110	80			9AD	9	0356			HCC24A	01		A03
00357		J07	208			P3111	80			9AD	9	0357			HCC25A	01		A03
00358		J07	209			P3111	79			9AD	9	0358			HCC26A	01		A02
00359		J07	210			P3111	77			9AD	9	0359			HCC27A	01		A03
00360		J07	211			P3111	66			9AD	9	0360			HCC28A	01		A02
00361		J07	212			P3111	56			9AD	9	0361			HCC29A	01		A02
00362		J07	213			P3111	65			9AD	9	0362			HCC30A	01		A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
00363		J07	214			P3112	77			9AD	9	0363			HCC31A	01		A02
00364		J07	215			P3112	79			9AD	9	0364			HCC32A	01		A02
00365		J07	216			P3112	80			9AD	9	0365			HCC33A	01		A02
00366		J07	217			P3112	66			9AD	9	0366			HCC34A	01		A02
00367		J07	218			P3112	56			9AD	9	0367			HCC35A	01		A02
00368		J07	219			P3112	65			9AD	9	0368			HCC36A	01		A02
00369		J07	220			P3113	77			9AD	9	0369			HCC37A	01		A02
00370		J07	221			P3113	79			9AD	9	0370			HCC38A	01		A02
00371		J07	222			P3113	80			9AD	9	0371			HCC39A	01		A02
00372		J07	223			P3113	66			9AD	9	0372			HCC40A	01		A02
00373		J07	224			P3113	56			9AD	9	0373			HCC41A	01		A02
00374		J07	225			P3113	65			9AD	9	0374			HCC42A	01		A02
00375		J07	226			P3114	77			9AD	9	0375			HCC43A	01		A02
00376		J07	227			P3114	79			9AD	9	0376			HCC44A	01		A02
00377		J07	228			P3114	80			9AD	9	0377			HCC45A	01		A02
00378		J07	229			P3114	66			9AD	9	0378			HCC46A	01		A02
00379		J07	230			P3114	56			9AD	9	0379			HCC47A	01		A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00380		J07	231			P3114	65			9AD	9	0380			HCC48A	01		A02
00381		J07	232			P3115	77			9AD	9	0381			HCC49A	01		A02
00382		J07	233			P3115	79			9AD	9	0382			HCC50A	01		A02
00383		J07	234			P3115	80			9AD	9	0383			HCC51A	01		A02
00384		J07	235			P3115	66			9AD	9	0384			HCC52A	01		A02
00385		J07	236			P3115	56			9AD	9	0385			HCC53A	01		A02
00386		J07	237			P3115	65			9AD	9	0386			HCC54A	01		A02
00387		J07	238			P3116	77			9AD	9	0387			HCC55A	01		A02
00388		J07	239			P3116	79			9AD	9	0388			HCC56A	01		A02
00389		J07	240			P3116	80			9AD	9	0389			HCC57A	01		A02
00390		J07	241			P3116	66			9AD	9	0390			HCC58A	01		A02
00391		J07	242			P3116	56			9AD	9	0391			HCC59A	01		A02
00392		J07	243			P3116	65			9AD	9	0392			HCC60A	01		A02
00393		J07	244			P3117	77			9AD	9	0393			HCC61A	01		A02
00394		J07	245			P3117	79			9AD	9	0394			HCC62A	01		A02
00395		J07	246			P3117	80			9AD	9	0395			HCC63A	01		A02
00396		J07	247			P3117	66			9AD	9	0396			HCC64A	01		A02

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
00397		J07	248			P3117	56			9AD	9	0397			HCC65A	01		A02
00398		J07	249			P3117	65			9AD	9	0398			HCC66A	01		A02
00399		J07	250			P3118	77			9AD	9	0399			HCC67A	01		A02
00400		J07	251			P3118	79			9AD	9	0400			HCC68A	01		A02
00401		J07	252			P3118	80			9AD	9	0401			HCC69A	01		A02
00402		J07	253			P3118	66			9AD	9	0402			HCC70A	01		A02
00403		J07	254			P3118	56			9AD	9	0403			HCC71A	01		A02
00404		J07	255			P3118	65			9AD	9	0404			HCC72A	01		A02
00717		P01	14			P1145	77			9AD	9	0717			HCDIDO	01		G01
00735		P03	14			P1145	77			9AD	9	0735			HCDIDO	01		D01
00405		J01	81			P3106	56			9AD	9	0405			HCDNRGA	01	DNRGZPRBSLND	B01
02254		P2102	01			P3126	49			9AD	9	2224			HCD000			A06
02255		P2102	03			P3126	50			9AD	9	2225			HCD010			A06
02256		P2102	04			P3126	51			9AD	9	2226			HCD020			A06
02257		P2102	05			P3126	52			9AD	9	2227			HCD030			A06
02258		P2102	06			P3126	53			9AD	9	2228			HCD040			A06
02259		P2102	07			P3126	54			9AD	9	2229			HCD050			A06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH,FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH,FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02260		P2102	08			P3126	71			9AD	9	2230			HCD060			A06
02261		P2102	09			P3126	73			9AD	9	2231			HCD070			A06
02262		P2102	10			P3127	46			9AD	9	2232			HCD080			A06
02263		P2102	11			P3127	47			9AD	9	2233			HCD090			A06
02264		P2102	13			P3127	74			9AD	9	2234			HCD100			A06
02265		P2102	14			P3127	75			9AD	9	2235			HCD110			A06
02266		P2102	15			P3127	76			9AD	9	2236			HCD120			A06
02267		P2102	17			P3127	77			9AD	9	2237			HCD130			A06
02268		P2102	18			P3127	78			9AD	9	2238			HCD140			A06
02269		P2102	19			P3127	79			9AD	9	2239			HCD150			A06
02270		P2102	20			P3127	49			9AD	9	2240			HCD160			A06
02271		P2102	21			P3127	50			9AD	9	2241			HCD170			A06
02272		P2102	22			P3127	51			9AD	9	2242			HCD180			A06
02273		P2102	23			P3127	52			9AD	9	2243			HCD190			A06
02274		P2102	24			P3127	53			9AD	9	2244			HCD200			A06
02275		P2102	25			P3127	54			9AD	9	2245			HCD210			A06
02276		P2102	26			P3127	71			9AD	9	2246			HCD220			A06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02277		P2102	27			P3127	73			9AD	9	2247			HCD230			A06
02278		P2102	29			P3123	01			9AD	9	2248			HCD240			A06
02279		P2102	30			P3123	03			9AD	9	2249			HCD250			A06
02280		P2102	31			P3123	04			9AD	9	2250			HCD260			A06
02281		P2102	33			P3123	05			9AD	9	2251			HCD270			A06
02282		P2102	34			P3123	06			9AD	9	2252			HCD280			A06
02283		P2102	35			P3123	07			9AD	9	2253			HCD290			A06
02284		P2102	36			P3123	21			9AD	9	2254			HCD300			A06
02285		P2102	37			P3123	20			9AD	9	2255			HCD310			A06
02286		P2102	38			P3124	13			9AD	9	2256			HCD320			A06
02287		P2102	39			P3124	11			9AD	9	2257			HCD330			A06
02288		P2102	40			P3124	15			9AD	9	2258			HCD340			A06
02289		P2102	41			P3124	14			9AD	9	2259			HCD350			A06
02290		P2102	42			P3124	22			9AD	9	2260			HCD360			A06
02291		P2102	43			P3124	19			9AD	9	2261			HCD370			A06
02292		P2102	45			P3124	21			9AD	9	2262			HCD380			A06
02293		P2102	46			P3124	20			9AD	9	2263			HCD390			A06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
02294		P2102	47			P3125	13			9AD	9	2264			HCD400			A06
02295		P2102	48			P3125	11			9AD	9	2265			HCD410			A06
02296		P2102	49			P3125	15			9AD	9	2266			HCD420			A06
02297		P2102	50			P3125	14			9AD	9	2267			HCD430			A06
02298		P2102	51			P3125	22			9AD	9	2268			HCD440			A06
02299		P2102	52			P3125	19			9AD	9	2269			HCD450			A06
02300		P2102	53			P3125	21			9AD	9	2270			HCD460			A06
02301		P2102	54			P3125	20			9AD	9	2271			HCD470			A06
02302		P2102	55			P3126	13			9AD	9	2272			HCD480			A06
02303		P2102	56			P3126	11			9AD	9	2273			HCD490			A06
02304		P2102	57			P3126	15			9AD	9	2274			HCD500			A06
02305		P2102	59			P3126	14			9AD	9	2275			HCD510			A06
02306		P2102	60			P3126	22			9AD	9	2276			HCD520			A06
02307		P2102	61			P3126	19			9AD	9	2277			HCD530			A06
02308		P2102	62			P3126	21			9AD	9	2278			HCD540			A06
02309		P2102	63			P3126	20			9AD	9	2279			HCD550			A06
02310		P2102	64			P3127	59			9AD	9	2280			HCD560			A06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS, TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02311		P2102	65			P3127	57			9AD	9	2281			HCD570			A06
02312		P2102	66			P3127	56			9AD	9	2282			HCD580			A06
02313		P2102	68			P3127	55			9AD	9	2283			HCD590			A06
02314		P2102	69			P3127	65			9AD	9	2284			HCD600			A06
02315		P2102	70			P3127	66			9AD	9	2285			HCD610			A06
02316		P2102	71			P3127	68			9AD	9	2286			HCD620			A06
02317		P2102	72			P3127	69			9AD	9	2287			HCD630			A06
02318		P2102	73			P3124	49			9AD	9	2288			HCD640			A06
02319		P2102	74			P3124	50			9AD	9	2289			HCD650			A06
02320		P2102	75			P3124	51			9AD	9	2290			HCD660			A06
02321		P2102	76			P3124	52			9AD	9	2291			HCD670			A06
02322		P2102	77			P3124	53			9AD	9	2292			HCD680			A06
02323		P2102	78			P3124	54			9AD	9	2293			HCD690			A06
02324		P2102	79			P3124	71			9AD	9	2294			HCD700			A06
02325		P2102	80			P3124	73			9AD	9	2295			HCD710			A06
02326		P1146	30			P3107	69			9AD	9	2318			HCE01A			A06
02327		P1146	31			P3107	74			9AD	9	2319			HCE02A			A06

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02328		P1146	33			P3108	69			9AD	9	2320			HCE03A			A06
02329		P1146	34			P3108	74			9AD	9	2321			HCE04A			A06
02330		P1146	35			P3109	69			9AD	9	2322			HCE05A			A06
02331		P1146	36			P3109	74			9AD	9	2323			HCE06A			A06
02332		P1146	37			P3110	69			9AD	9	2324			HCE07A			A06
02333		P1146	38			P3110	74			9AD	9	2325			HCE08A			A06
02334		P1146	39			P3111	69			9AD	9	2326			HCE09A			A06
02335		P1146	40			P3111	74			9AD	9	2327			HCE10A			A06
02336		P1146	41			P3112	69			9AD	9	2328			HCE11A			A06
02337		P1146	42			P3112	74			9AD	9	2329			HCE12A			A06
02338		P1146	43			P3113	69			9AD	9	2330			HCE13A			A06
02339		P1146	45			P3113	74			9AD	9	2331			HCE14A			A06
02340		P1146	46			P3114	69			9AD	9	2332			HCE15A			A06
02341		P1146	47			P3114	74			9AD	9	2333			HCE16A			A06
02342		P1146	48			P3115	69			9AD	9	2334			HCE17A			A06
02343		P1146	49			P3115	74			9AD	9	2335			HCE18A			A06
00406		P1145	45			XDS10	01			9AD	9	0406			HCFFIZ1			
00407		P3110	70			XDS10	01			9AD	9	0407			HCFFIZ1			

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
00408		P1145	46			XDS11	01			9AD	9	0408			HCFFIZ2			
00409		P3110	73			XDS11	01			9AD	9	0409			HCFFIZ2			
00410		P1145	47			XDS12	01			9AD	9	0410			HCFFIZ3			
00411		P3111	70			XDS12	01			9AD	9	0411			HCFFIZ3			
00412		P1145	48			XDS13	01			9AD	9	0412			HCFFIZ4			
00413		P3111	73			XDS13	01			9AD	9	0413			HCFFIZ4			
00414		P1145	49			XDS14	01			9AD	9	0414			HCFFIZ5			
00415		P3112	70			XDS14	01			9AD	9	0415			HCFFIZ5			
00416		P1145	50			XDS15	01			9AD	9	0416			HCFFIZ6			
00417		P3112	73			XDS15	01			9AD	9	0417			HCFFIZ6			
00424		P1145	51			XDS16	01			9AD	9	0424			HCFFOZ1			
00418		P3113	70			XDS16	01			9AD	9	0418			HCFFOZ1			
00425		P1145	52			XDS17	01			9AD	9	0425			HCFFOZ2			
00419		P3113	73			XDS17	01			9AD	9	0419			HCFFOZ2			
00426		P1145	53			XDS18	01			9AD	9	0426			HCFFOZ3			
00420		P3114	70			XDS18	01			9AD	9	0420			HCFFOZ3			
00427		P1145	54			XDS19	01			9AD	9	0427			HCFFOZ4			
00421		P3114	73			XDS19	01			9AD	9	0421			HCFFOZ4			
00428		P1145	55			XDS20	01			9AD	9	0428			HCFFOZ5			
00422		P3115	70			XDS20	01			9AD	9	0422			HCFFOZ5			
00429		P1145	56			XDS21	01			9AD	9	0429			HCFFOZ6			
00423		P3115	73			XDS21	01			9AD	9	0423			HCFFOZ6			
01812		P3106	33			J06	12			9AF	9	1812			HCFP50	01		C01

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
00430		J07	112			P3107	27			9AD	9	0430			HCF01A	01		A02
00431		J07	113			P3107	60			9AD	9	0431			HCF02A	01		A02
00432		J07	114			P3107	34			9AD	9	0432			HCF03A	01		A02
00433		J07	115			P3107	38			9AD	9	0433			HCF04A	01		A02
00434		J07	116			P3107	29			9AD	9	0434			HCF05A	01		A02
00435		J07	117			P3107	36			9AD	9	0435			HCF06A	01		A02
00436		J07	118			P3108	27			9AD	9	0436			HCF07A	01		A02
00437		J07	119			P3108	60			9AD	9	0437			HCF08A	01		A02
00438		J07	120			P3108	34			9AD	9	0438			HCF09A	01		A02
00439		J07	121			P3108	38			9AD	9	0439			HCF10A	01		A02
02344		P1146	54			P3108	09			9AD	9	2340			HCF10A1			C02
00440		J07	122			P3108	29			9AD	9	0440			HCF11A	01		A02
00441		J07	123			P3108	36			9AD	9	0441			HCF12A	01		A02
00442		J07	124			P3109	27			9AD	9	0442			HCF13A	01		A02
00443		J07	125			P3109	60			9AD	9	0443			HCF14A	01		A02
00444		J07	126			P3109	34			9AD	9	0444			HCF15A	01		A02
00445		J07	127			P3109	38			9AD	9	0445			HCF16A	01		A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00446		J07	128			P3110	27			9AD	9	0446			HCF17A	01		A03
00447		J07	129			P3109	36			9AD	9	0447			HCF18A	01		A02
00448		J07	130			P3109	29			9AD	9	0448			HCF19A	01		A03
00449		J07	131			P3110	60			9AD	9	0449			HCF20A	01		A02
00450		J07	132			P3110	36			9AD	9	0450			HCF21A	01		A03
00451		J07	133			P3110	38			9AD	9	0451			HCF22A	01		A02
02345		P1146	55			P3110	09			9AD	9	2341			HCF22A1			C02
00452		J07	134			P3110	29			9AD	9	0452			HCF23A	01		A02
00453		J07	135			P3110	34			9AD	9	0453			HCF24A	01		A03
00454		J07	136			P3111	34			9AD	9	0454			HCF25A	01		A03
00455		J07	137			P3111	60			9AD	9	0455			HCF26A	01		A02
00456		J07	138			P3111	27			9AD	9	0456			HCF27A	01		A02
00457		J07	139			P3111	38			9AD	9	0457			HCF28A	01		A02
00458		J07	140			P3111	29			9AD	9	0458			HCF29A	01		A02
00459		J07	141			P3111	36			9AD	9	0459			HCF30A	01		A02
00460		J07	142			P3112	27			9AD	9	0460			HCF31A	01		A02
00461		J07	143			P3112	60			9AD	9	0461			HCF32A	01		A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
00462		J07	144			P3112	34			9AD	9	0462			HCF33A	01		A02
00463		J07	145			P3112	38			9AD	9	0463			HCF34A	01		A02
00464		J07	146			P3112	29			9AD	9	0464			HCF35A	01		A02
00465		J07	147			P3112	36			9AD	9	0465			HCF36A	01		A02
00466		J07	148			P3113	27			9AD	9	0466			HCF37A	01		A02
00467		J07	149			P3113	60			9AD	9	0467			HCF38A	01		A02
00468		J07	150			P3113	34			9AD	9	0468			HCF39A	01		A02
00469		J07	151			P3113	38			9AD	9	0469			HCF40A	01		A02
00470		J07	152			P3113	29			9AD	9	0470			HCF41A	01		A02
00471		J07	153			P3113	36			9AD	9	0471			HCF42A	01		A02
00472		J07	154			P3114	27			9AD	9	0472			HCF43A	01		A02
00473		J07	155			P3114	60			9AD	9	0473			HCF44A	01		A02
00474		J07	156			P3114	34			9AD	9	0474			HCF45A	01		A02
00475		J07	157			P3114	38			9AD	9	0475			HCF46A	01		A02
00476		J07	158			P3114	29			9AD	9	0476			HCF47A	01		A02
00477		J07	159			P3114	36			9AD	9	0477			HCF48A	01		A02
00478		J07	160			P3115	27			9AD	9	0478			HCF49A	01		A02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00479		J07	161			P3115	60			9AD	9	0479			HCF50A	01		A02
00480		J07	162			P3115	34			9AD	9	0480			HCF51A	01		A02
00481		J07	163			P3115	38			9AD	9	0481			HCF52A	01		A02
00482		J07	164			P3115	29			9AD	9	0482			HCF53A	01		A02
00483		J07	165			P3115	36			9AD	9	0483			HCF54A	01		A02
00484		J07	166			P3116	27			9AD	9	0484			HCF55A	01		A02
00485		J07	167			P3116	60			9AD	9	0485			HCF56A	01		A02
00486		J07	168			P3116	34			9AD	9	0486			HCF57A	01		A02
00487		J07	169			P3116	38			9AD	9	0487			HCF58A	01		A02
00488		J07	170			P3116	29			9AD	9	0488			HCF59A	01		A02
00489		J07	171			P3116	36			9AD	9	0489			HCF60A	01		A02
00490		J07	172			P3117	27			9AD	9	0490			HCF61A	01		A02
00491		J07	173			P3117	60			9AD	9	0491			HCF62A	01		A02
00492		J07	174			P3117	34			9AD	9	0492			HCF63A	01		A02
00493		J07	175			P3117	38			9AD	9	0493			HCF64A	01		A02
00494		J07	176			P3117	29			9AD	9	0494			HCF65A	01		A02
00495		J07	177			P3117	36			9AD	9	0495			HCF66A	01		A02

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00496		J07	178			P3118	27			9AD	9	0496			HCF67A	01		A02
00497		J07	179			P3118	60			9AD	9	0497			HCF68A	01		A02
00498		J07	180			P3118	34			9AD	9	0498			HCF69A	01		A02
00499		J07	181			P3118	38			9AD	9	0499			HCF70A	01		A02
00500		J07	182			P3118	29			9AD	9	0500			HCF71A	01		A02
00501		J07	183			P3118	36			9AD	9	0501			HCF72A	01		A02
01822		P3106	63			Q04	8			9AF	0	1822			HCGNPU	01		C01
02070		J01	72			P3106	32		73	9DF	0	2070			HCG73	01		
01904		J01	70			P3107	16		V0	9DF	0	1904			HCG74	01		E01
00503		J01	66			P3106	67		96	9DF	0	0503			HCG76	01		D04
02075		J01	64			P01	27		75	9DF	0	2075			HCG78	01		
02073		J01	62			P01	26		74	9DF	0	2073			HCG79	01		
00311		J01	68			P3106	58		KF	9DF	0	0311			HCG80	01		C03
02076		P01	21			P3119	16		76	9DF	0	2076			HCG81	01		
02079		P01	25			P3119	32		77	9DF	0	2079			HCG82	01		
02081		P01	28			P3106	02		78	9DF	0	2081			HCG83	01		
02083		P01	37			P3119	57		79	9DF	0	2083			HCG84	01		

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02085		P03	38			P3106	01		80	9DF	0	2085			HCG85	01		
02087		P03	39			P3106	57		81	9DF	0	2087			HCG86	01		
02089		P01	29			P3106	44		82	9DF	0	2089			HCG87	01		
02091		P03	41			P3107	02		83	9DF	0	2091			HCG88	01		C01
02095		J04	01			P01	36		85	9DF	0	2095			HCG89	01		
02097		J04	04			P03	25		86	9DF	0	2097			HCG90	01		A04
02099		J04	05			P03	26		87	9DF	0	2099			HCG91	01		A04
02101		J04	02			P03	27		88	9DF	0	2101			HCG92	01		A04
00504		P03	33			S06	06			9AF	0	0504			HCG93	01		
00505		P01	33			S06	05			9AF	0	0505			HCG94	01		
02093		J04	03			P3127	02		84	9DF	0	2093			HCG95	01		B01
02846		P3127	16			P01	34		92	9DF	0	2846			HCG96			B01
00073		P2106	67			J04	73			9AD	0	0073			HCG97	01		B01
00332		J01	83			P3106	16		FE	9DF	0	0332			HCG98	01		E01
00068		P1145	67			P3111	71			9AD	9	0068			HCJAPD6	01		D07
00810		P1145	76			P3116	71			9AD	9	0810			HCJARD6	01		D07
00688		J04	34			J04	33			9AD	9	2206			HCJMPRI	01		

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE						SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT	SLEEVE	SPC.INST.				
00690		J04	44			J04	45			9AD	9	2207			HCJMPR2			
00691		J04	45			J04	49			9AD	9	2208			HCJMPR2			
00695		J04	49			J04	50			9AD	9	2209			HCJMPR2			
00696		J04	50			J04	51			9AD	9	2210			HCJMPR2			
00506		J03	C			P02	10			9AG	0	0506			HCNEUT		NEUTRAL	D05
02107		P04	10			J03	C			9AG	0	2205			HCNEUT		NEUTRAL	D05
00507		J01	79			P3106	52			9AD	9	0507			HCNRGA	01	NRGZPRBSLND	B02
03068		P1146	06			Q03	E			9AF	2	3068			HCPRB+51			D01
01905		J01	69			Q03	E		V0	9DF	2	1905			HCPRB+51	01		B02
02071		J01	71			Q03	E		73	9DF	2	2071			HCPRB+51	01		B02
00508		P03	32			XDS03	01			9AD	9	0508			HCPSFT			
00509		XDS03	01			P01	32			9AD	9	0509			HCPSFT			
00814		P1145	80			XDS03	01			9AD	9	0814			HCPSFT	01		C01
00511		P01	15			S06	03			9AF	9	0511			HCPS1ON	01		
00512		P03	15			S06	04			9AF	9	0512			HCPS2ON	01		
02346		P1146	79			P3118	71			9AD	9	2362			HCPUFA			A06
02347		P1146	68			P3119	75			9AD	9	2351			HCP5LO			A06
02348		P1146	66			P3119	69			9AD	9	2350			HCP5MO			A06
00513		P3106	22			Q01	B			9AF	9	0513			HCQ1BASE	01		
01175		P3106	35			Q01	E			9AF	9	2211			HCQ1MTR			
00514		Q03	C			Q01	E			9AF	9	0514			HCQ1MTR			B02
01176		Q03	C			Q01	E			9AF	9	2212			HCQ1MTR			B02
02883		Q03	C			Q03	B			9AF	9	4312			HCQ1MTR			B02

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00515		J06	56			P3119	48			9AF	2	0515			HCSC+12V	01		
00516		J06	74			P3119	43			9AF	2	0516			HCSC+5V	01		
00518		J06	64			P3119	78			9AF	7	0518			HCSC-5V	01		
00519		J04	41			P3119	09			9AD	9	0519			HCSNS1	01		
00520		J04	42			P3119	21			9AD	9	0520			HCSNS2	01		
00521		J04	43			P3119	37			9AD	9	0521			HCSNS3	01		
00522		J04	36			P3119	63			9AD	9	0522			HCSNS4	01		
00523		J04	40			P3119	56			9AD	9	0523			HCSNS5	01		
01186		P3106	47			Q02	8			9AD	9	1186			HCS12V	01		C02
00524		J01	76			P3119	53			9AD	9	0524			HCTP210	01	TP21B	
00502		J01	82			P3106	75		96	9DF	2	0502			HCT15R1	01		D04
00525		J01	73			P1145	71			9AD	9	0525			HC01A0	01	ID 1A	D01
00526		J01	74			P1145	78			9AD	9	0526			HC01B0	01	ID 1B	D01
02349		P1146	02			P3106	49			9AD	9	2297			HC1GND			A06
02350		P1146	50			P3119	07			9AD	9	2336			HC105P			A06
02103		J03	B			P02	08		98	3FG	1	2103	A		HC135A		-135V	C02
02105		P04	08			J03	B		95	3FG	1	2203	A		HC135A		-135V	A04
02351		P04	JACKET	A		J03	JACKET	A	95	3FG		3100	A		HC135AJ			A01

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
02104		P04	07			J03	E		95	3FG	9	2202	A		HC135B		+135V	C02
02102		J03	E			P02	07		98	3FG	9	2102	A		HC135B	01	+135V	A01
02352		J03	JACKET	A		P02	JACKET	A	98	3FG		3200	A		HC135BJ			A01
00527		J01	75			P1136	47			9AD	9	0527			HC20A01	01	ID 20B	
02353		P1146	51			P3119	33			9AD	9	2337			HC205P			A06
02354		P1146	05			P3119	47			9AD	9	2299			HC21B0			A06
02355		P1146	04			P3119	41			9AD	9	2298			HC21C0			A06
00528		J01	77			P1145	73			9AD	9	0528			HC40A0	01	ID 40A	D01
00529		J01	78			P1145	74			9AD	9	0529			HC40B0	01	ID 40B	D01
02356		P1146	63			P3119	10			9AD	9	2347			HC51L0			A06
02357		P1146	60			P3119	24			9AD	9	2344			HC51M0			A06
02358		P1146	64			P3119	23			9AD	9	2348			HC52L0			A06
02359		P1146	61			P3119	20			9AD	9	2345			HC52M0			A06
02360		P1146	65			P3119	39			9AD	9	2349			HC53L0			A06
02361		P1146	62			P3119	29			9AD	9	2346			HC53M0			A06
02108		J01	67			P3106	59		FE	9DF	2	2108			HC6020			C03
00531		A01	E001			J06	01			9AD	9	0531			R1K001	01	1K PULLUP	
00532		A01	E002			J06	03			9AD	9	0532			R1K002	01	1K PULLUP	

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00533		A01	E003			J06	04			9AD	9	0533			R1K003	01	1K PULLUP	
00534		A01	E004			J06	05			9AD	9	0534			R1K004	01	1K PULLUP	
00535		A01	E005			J06	06			9AD	9	0535			R1K005	01	1K PULLUP	
00536		A01	E006			J06	07			9AD	9	0536			R1K006	01	1K PULLUP	
00537		A01	E007			J06	08			9AD	9	0537			R1K007	01	1K PULLUP	
00538		A01	E008			J06	09			9AD	9	0538			R1K008	01	1K PULLUP	
00539		A01	E009			J06	10			9AD	9	0539			R1K009	01	1K PULLUP	
00540		A01	E010			J06	11			9AD	9	0540			R1K010	01	1K PULLUP	
00541		A01	E011			J06	13			9AD	9	0541			R1K011	01	1K PULLUP	
00542		A01	E012			J06	14			9AD	9	0542			R1K012	01	1K PULLUP	
00543		A01	E013			J06	15			9AD	9	0543			R1K013	01	1K PULLUP	
00544		A01	E014			J06	17			9AD	9	0544			R1K014	01	1K PULLUP	
00545		A01	E015			J06	18			9AD	9	0545			R1K015	01	1K PULLUP	
00546		A01	E016			J06	19			9AD	9	0546			R1K016	01	1K PULLUP	
00547		A01	E017			J06	20			9AD	9	0547			R1K017	01	1K PULLUP	
00548		A01	E018			J06	21			9AD	9	0548			R1K018	01	1K PULLUP	
00549		A01	E019			J06	22			9AD	9	0549			R1K019	01	1K PULLUP	

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00550		A01	E020			J06	23			9AD	9	0550			R1K020	01	1K PULLUP	
00551		A01	E021			J06	24			9AD	9	0551			R1K021	01	1K PULLUP	
00552		A01	E022			J06	25			9AD	9	0552			R1K022	01	1K PULLUP	
00553		A01	E023			J06	26			9AD	9	0553			R1K023	01	1K PULLUP	
00554		A01	E024			J06	27			9AD	9	0554			R1K024	01	1K PULLUP	
00555		A01	E025			J06	29			9AD	9	0555			R1K025	01	1K PULLUP	
00556		A01	E026			J06	30			9AD	9	0556			R1K026	01	1K PULLUP	
00557		A01	E027			J06	31			9AD	9	0557			R1K027	01	1K PULLUP	
00558		A01	E028			J06	33			9AD	9	0558			R1K028	01	1K PULLUP	
00559		A01	E029			J06	34			9AD	9	0559			R1K029	01	1K PULLUP	
00560		A01	E030			J06	35			9AD	9	0560			R1K030	01	1K PULLUP	
00561		A01	E031			J06	36			9AD	9	0561			R1K031	01	1K PULLUP	
00562		A01	E032			J06	38			9AD	9	0562			R1K032	01	1K PULLUP	
00563		A01	E033			J06	39			9AD	9	0563			R1K033	01	1K PULLUP	
00564		A01	E034			J06	40			9AD	9	0564			R1K034	01	1K PULLUP	
00565		A01	E035			J06	41			9AD	9	0565			R1K035	01	1K PULLUP	
00566		A01	E036			J06	42			9AD	9	0566			R1K036	01	1K PULLUP	

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00567		A01	E037			J06	43			9AD	9	0567			R1K037	01	1K PULLUP	
00568		A01	E038			J06	45			9AD	9	0568			R1K038	01	1K PULLUP	
00569		A01	E039			J06	46			9AD	9	0569			R1K039	01	1K PULLUP	
00570		A01	E040			J06	47			9AD	9	0570			R1K040	01	1K PULLUP	
00571		A01	E041			J06	48			9AD	9	0571			R1K041	01	1K PULLUP	
00572		A01	E042			J06	49			9AD	9	0572			R1K042	01	1K PULLUP	
00573		A01	E043			J06	50			9AD	9	0573			R1K043	01	1K PULLUP	
00574		A01	E044			J06	51			9AD	9	0574			R1K044	01	1K PULLUP	
00575		A01	E045			J06	52			9AD	9	0575			R1K045	01	1K PULLUP	
00576		A01	E046			J06	53			9AD	9	0576			R1K046	01	1K PULLUP	
00577		A01	E047			J06	54			9AD	9	0577			R1K047	01	1K PULLUP	
00578		A01	E048			J06	55			9AD	9	0578			R1K048	01	1K PULLUP	
00579		A01	E049			J06	57			9AD	9	0579			R1K049	01	1K PULLUP	
00580		A01	E050			J06	59			9AD	9	0580			R1K050	01	1K PULLUP	
00581		A01	E051			J06	60			9AD	9	0581			R1K051	01	1K PULLUP	
00582		A01	E052			J06	61			9AD	9	0582			R1K052	01	1K PULLUP	
00583		A01	E053			J06	62			9AD	9	0583			R1K053	01	1K PULLUP	

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM				TO				WIRE				SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	SH.FIG	PREFIX	CONNECTOR	PIN	SH.FIG	MULTI GROUP	CODE	COLOR	IDENT						
00584		A01	E054			J06	63			9AD	9	0584			R1K054	01	1K PULLUP	
00585		A01	E055			J06	65			9AD	9	0585			R1K055	01	1K PULLUP	
00586		A01	E056			J06	66			9AD	9	0586			R1K056	01	1K PULLUP	
00587		A01	E057			J06	68			9AD	9	0587			R1K057	01	1K PULLUP	
00588		A01	E058			J06	69			9AD	9	0588			R1K058	01	1K PULLUP	
00589		A01	E059			J06	70			9AD	9	0589			R1K059	01	1K PULLUP	
00590		A01	E060			J06	71			9AD	9	0590			R1K060	01	1K PULLUP	
00591		A01	E061			J06	72			9AD	9	0591			R1K061	01	1K PULLUP	
00592		A01	E062			J06	73			9AD	9	0592			R1K062	01	1K PULLUP	
00593		A01	E063			J06	75			9AD	9	0593			R1K063	01	1K PULLUP	
00594		A01	E064			J06	76			9AD	9	0594			R1K064	01	1K PULLUP	
00595		A01	E065			J06	77			9AD	9	0595			R1K065	01	1K PULLUP	
00596		A01	E066			J06	78			9AD	9	0596			R1K066	01	1K PULLUP	
00597		A01	E067			J06	79			9AD	9	0597			R1K067	01	1K PULLUP	
00598		A01	E069			TB101	03			9AD	9	0598			R1K069	01	1K PULLUP	
00599		A01	E070			TB101	04			9AD	9	0599			R1K070	01	1K PULLUP	
00600		A01	E071			TB101	05			9AD	9	0600			R1K071	01	1K PULLUP	

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH. FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH. FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC. INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00601		A01	E072			TB101	06			9AD	9	0601			R1K072	01	1K PULLUP	
00602		A01	E073			TB101	07			9AD	9	0602			R1K073	01	1K PULLUP	
00603		A01	E074			TB101	08			9AD	9	0603			R1K074	01	1K PULLUP	
00604		A01	E075			TB101	09			9AD	9	0604			R1K075	01	1K PULLUP	
00605		A01	E076			TB101	10			9AD	9	0605			R1K076	01	1K PULLUP	
00606		A01	E077			TB101	11			9AD	9	0606			R1K077	01	1K PULLUP	
00607		A01	E078			TB101	12			9AD	9	0607			R1K078	01	1K PULLUP	
00608		A01	E079			TB101	13			9AD	9	0608			R1K079	01	1K PULLUP	
00609		A01	E080			TB101	14			9AD	9	0609			R1K080	01	1K PULLUP	
00610		A01	E081			TB101	15			9AD	9	0610			R1K081	01	1K PULLUP	C02
00611		A01	E082			TB101	17			9AD	9	0611			R1K082	01	1K PULLUP	
00612		A01	E083			TB101	18			9AD	9	0612			R1K083	01	1K PULLUP	
00613		A01	E084			TB101	19			9AD	9	0613			R1K084	01	1K PULLUP	
00614		A01	E085			TB101	20			9AD	9	0614			R1K085	01	1K PULLUP	
00615		A01	E086			TB101	21			9AD	9	0615			R1K086	01	1K PULLUP	
00616		A01	E087			TB101	22			9AD	9	0616			R1K087	01	1K PULLUP	
00617		A01	E088			TB101	23			9AD	9	0617			R1K088	01	1K PULLUP	

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DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00618		A01	E089			TB101	24			9AD	9	0618			R1K089	01	1K PULLUP	
00619		A01	E090			TB101	25			9AD	9	0619			R1K090	01	1K PULLUP	
00620		A01	E091			TB101	26			9AD	9	0620			R1K091	01	1K PULLUP	
00621		A01	E092			TB101	27			9AD	9	0621			R1K092	01	1K PULLUP	
00622		A01	E093			TB101	28			9AD	9	0622			R1K093	01	1K PULLUP	
00623		A01	E094			TB101	29			9AD	9	0623			R1K094	01	1K PULLUP	
00624		A01	E095			TB101	30			9AD	9	0624			R1K095	01	1K PULLUP	
00625		A01	E096			TB101	31			9AD	9	0625			R1K096	01	1K PULLUP	
00626		A01	E097			TB101	32			9AD	9	0626			R1K097	01	1K PULLUP	
00627		A01	E098			TB101	33			9AD	9	0627			R1K098	01	1K PULLUP	
00628		A01	E099			TB101	34			9AD	9	0628			R1K099	01	1K PULLUP	
00629		A01	E100			TB101	35			9AD	9	0629			R1K100	01	1K PULLUP	
00630		A01	E101			TB101	36			9AD	9	0630			R1K101	01	1K PULLUP	
00631		A01	E102			TB101	37			9AD	9	0631			R1K102	01	1K PULLUP	
00632		A01	E103			TB101	38			9AD	9	0632			R1K103	01	1K PULLUP	
00633		A01	E104			TB101	40			9AD	9	0633			R1K104	01	1K PULLUP	B01
00634		A01	E105			TB101	42			9AD	9	0634			R1K105	01	1K PULLUP	B01

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00635		A01	E106			TB101	43			9AD	9	0635			R1K106	01	1K PULLUP	
00636		A01	E107			TB101	44			9AD	9	0636			R1K107	01	1K PULLUP	
00637		A01	E108			TB101	45			9AD	9	0637			R1K108	01	1K PULLUP	
00638		A01	E109			TB101	46			9AD	9	0638			R1K109	01	1K PULLUP	
00639		A01	E110			TB101	47			9AD	9	0639			R1K110	01	1K PULLUP	
00640		A01	E111			TB101	48			9AD	9	0640			R1K111	01	1K PULLUP	
00641		A01	E112			TB101	49			9AD	9	0641			R1K112	01	1K PULLUP	
00642		A01	E113			TB101	50			9AD	9	0642			R1K113	01	1K PULLUP	
00643		A01	E114			TB101	51			9AD	9	0643			R1K114	01	1K PULLUP	
00644		A01	E115			TB101	52			9AD	9	0644			R1K115	01	1K PULLUP	
00645		A01	E116			TB101	53			9AD	9	0645			R1K116	01	1K PULLUP	B01
00646		A01	E117			TB101	55			9AD	9	0646			R1K117	01	1K PULLUP	
00647		A01	E118			TB101	56			9AD	9	0647			R1K118	01	1K PULLUP	
00648		A01	E119			TB101	57			9AD	9	0648			R1K119	01	1K PULLUP	
00649		A01	E120			TB101	58			9AD	9	0649			R1K120	01	1K PULLUP	
00650		A01	E121			TB101	59			9AD	9	0650			R1K121	01	1K PULLUP	
00651		A01	E122			TB101	60			9AD	9	0651			R1K122	01	1K PULLUP	

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TS05MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00652		A01	E123			TB101	61			9AD	9	0652			R1K123	01	1K PULLUP	
00653		A01	E124			TB101	62			9AD	9	0653			R1K124	01	1K PULLUP	
00654		A01	E125			TB101	63			9AD	9	0654			R1K125	01	1K PULLUP	
00655		A01	E126			TB101	64			9AD	9	0655			R1K126	01	1K PULLUP	
00656		A01	E127			TB101	65			9AD	9	0656			R1K127	01	1K PULLUP	
00657		A01	E128			TB101	66			9AD	9	0657			R1K128	01	1K PULLUP	
00658		A01	E129			TB101	67			9AD	9	0658			R1K129	01	1K PULLUP	
00659		A01	E130			TB101	68			9AD	9	0659			R1K130	01	1K PULLUP	
00660		A01	E131			TB101	69			9AD	9	0660			R1K131	01	1K PULLUP	
00661		A01	E132			TB101	70			9AD	9	0661			R1K132	01	1K PULLUP	
02882		A01	E133			TB101	71			9AD	9	2882			R1K133	01	1K PULLUP	C01
00662		A01	E134			TB101	72			9AD	9	0662			R1K134	01	1K PULLUP	
00663		A01	E135			TB101	73			9AD	9	0663			R1K135	01	1K PULLUP	
00664		A01	E136			TB101	74			9AD	9	0664			R1K136	01	1K PULLUP	
00665		A01	E137			TB101	75			9AD	9	0665			R1K137	01	1K PULLUP	
00666		A01	E138			TB101	76			9AD	9	0666			R1K138	01	1K PULLUP	
00667		A01	E139			TB101	77			9AD	9	0667			R1K139	01	1K PULLUP	

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
00668		A01	E140			TB101	78			9AD	9	0668			R1K140	01	1K PULLUP	
01900		A01	E141			J06	28			9AD	9	1900			R1K141	01	1K PULLUP	B01
00517		J06	37			A01	E142			9AD	9	0517			R1K142	01	1K PULLUP	C02
01925		P1136	25			S04	03			9AD	9	1925			WBCCRA1			
01927		P1136	23			S04	01			9AD	9	1927			WBCCSA1	01	CONT CYCLE	
02134		S04	08			S04	04			01D		2216			WBCLTA6			F05
02135		S04	08			P1145	68			9AD	9	2215			WBCLTA6			
01928		J04	14			P1136	17			9AD	9	1928			WBDDI01	01	DEV DRIVE INH	
02136		S01	08			S01	04			01D		2214			WBDLTA6			F05
02137		S01	08			P1145	66			9AD	9	2213			WBDLTA6			
01929		P1136	20			S01	03			9AD	9	1929			WBDRRA1			
01931		P1136	19			S01	01			9AD	9	1931			WBDRSA1	01	RESET	
01932		P1136	38			S02	03			9AD	9	1932			WBLTEA1	01	LAMP TEST	C01
03063		S02	03			P03	30			9AD	9	3063			WBLTEA1	03		C02
00740		P03	30			P01	30			9AD	9	0740			WBLTEA1	04		C01
01933		S02	04			S02	08			01D		1933			WBLTLA	01		F05
01934		P1136	26			S05	03			9AD	9	1934			WBRCRA1	01		
01935		P1136	24			S05	01			9AD	9	1935			WBRCSA1	01	REPEAT CYCLE	
01936		P1136	30			S03	03			9AD	9	1936			WBSTRA1	01		

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STRING

DRAWING NUMBER WL10281449 UNIT NAME WIRING HARNESS,TEST SET REV. G FILE IDENT TSQ5MTSH DATE 08-31-82

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH.FIG	TO PREFIX	TO CONNECTOR	TO PIN	SH.FIG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SLEEVE	SPC.INST.	SIGNAL	STRING SEQ. NO.	SIGNAL DESCRIPTION	ECO NO.
01937		P1136	29			S03	01			9AD	9	1937			WBSTSA1	01	SELF TEST	
01938		P1136	06			J06	02			9AD	9	1938			WBTCSA1	01	SINGLE CARD TEST	
01939		J04	52			P1136	08			9AD	9	1939			WBU56A1	01	SENSE CONT 2	
01940		J04	53			P1136	09			9AD	9	1940			WBU57A1	01	SENSE CONT 3	
01941		J04	32			P1145	01			9AD	9	1941			WB10704	01	107 CARD SP PULLUP	
00510		P01	16			P1145	72			9AD	9	0510			WLOVRA	01		
00106		TB101	54			A01	E144			9AD	9	0106			WSTDTA	01	SELF TEST	C01
01903		A01	E144			P1145	79			9AD	9	1903			WSTDTA	02	SELF TEST	C01
00117		P1145	70			S05	05			9AF	0	0117			WSWGND	01		A05
00116		S05	05			S04	05			9AF	0	0116			WSWGND	02		G06
00115		S04	05			S03	05			9AF	0	0115			WSWGND	03		G06
00114		S03	05			S02	05			9AF	0	0114			WSWGND	04		G06
00113		S02	05			S01	05			9AF	0	0113			WSWGND	05		
02138		S01	05			S01	06			01F		2200			WSWGND	06		F05
01888		S01	06			S02	06			9AF	0	1888			WSWGND	07		C02
02139		S02	06			S04	06			9AF	0	2201			WSWGND	08		G06
01942		J07	109			P1145	41			9AD	9	1942			WTSBCA1	01	BURST STEP CP	A02
01943		J07	108			P1145	40			9AD	9	1943			WTSSCA1	01	STEP CP	A02
01944		J07	107			P1145	39			9AD	9	1944			WTSSSA1	01	SINGLE STEP CP	A02

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CARD RACK ASSEMBLY - ANALOG
STRING WIRE LIST
WL10281453

NOTES: UNLESS OTHERWISE SPECIFIED

1. REFERENCE TO SHEET 3 FOR DEFINITION OF FIELDS.

2. REFERENCE TO SHEET 4 FOR CONFIGURATIONS OF SHIELD AND WIRE TERMINATIONS.

3. REFERENCE TO SHEET 5 FOR WIRE CODE DEFINITIONS.

4. REFERENCE TO SHEET 6 FOR WIRE PARTS LIST.

5. ALL ABBREVIATIONS PER MIL-STD-12.

6. THROUGHOUT THE BODY OF THIS DOCUMENT THE UNIT NAME IS REFERRED TO AS: MTS CARD RACK, ANALOG.

7. ALL 8XXXXX CONTROLLED NUMBERS ARE PREFIXED BY CODE IDENT "13973".

8. ECOs WILL BE WRITTEN SHOWING YELLOW HAND WIRE BEING USED FOR CHANGES TO AUTOMATIC WIRING. THESE SAME YELLOW WIRES WILL BE INCORPORATED AS WHITE AUTOMATIC WIRES AT THE NEXT DRAWING UPDATE.

H78 STRING AND CONNECTOR LINT DEFINITIQN OF FIELDS

1. **Record Number** - A unique Data Processing number which associates all information pertaining to a wire "FROM" Connector, "TO" Connector, Wire Code, etc. This number is the wire ID when that field is blank.

2. **Prefix** - An assembly alphanumeric to be used when a wire terminates in two assemblies. This number will be the reference designation as required by USAS Y32.16-1968.

3. **Connector** - Any type of terminating point, plug, receptacle, etc. Designations are in accordance with USAS Y32.16-1968.

4. **Pin** - Exact terminating point of the respective connector. Designations are unique:

   A. SHXXXX indicates the junction of a shield and a pigtail, the four digits to the right are the wire identity of the shielded wire.
   B. JCT indicates a common point of two or more shield pigtails.
   C. Jacket: the terminology used when describing the line that defines the identification of a shielded wire.

5. **Sh Fg** - References a graphic representation showing how a shielded wire or coax is to be terminated. A number in this field indicates the level of automatic wire wrapping.

6. **Multi Group** - Associates wires of a group such as "twisted wire" or "shielded wire". Jacket, pigtails and center conductors will be shown as a common group.

7. **Wire Code** - A three-digit code for wire type and gage or bus bar.

8. **Wire Color-** Standard RETMA color code.
   A. Base Stripe Tracer.
   B. Stripe, Tracer 1 and Tracer 2 if the digit to the left is other than 9 and the two positions to the right are not blank and not equal. The Base Color is understood to be white.

9. **Wire Ident** - A number used for reference to differentiate one wire from another. This number will be used to identify the wire when specified in the wire list sleeve code field.

10. **Spc Inst** - A code which indicates that a wire must be given special attention as follows:

    A. Direct routing, no service loops, no harnessing.
    B. See general notes or instruction pages.
    C. See general notes or instruction pages.
    D. See general notes or instruction pages.
    E. See general notes or instruction pages.
    F. See signal description.
    G. This connection does not go directly to the "TO" connector, but intersects a line going to the "TO" connector.
    H. See special routing page.
    I. Junction point for multilayer laminated board (MLB) connection.
    J. Denotes a bus reference point.
    K. Blank out "TO" connector and pin.
    L. Will cause a signal name of three characters or less to be entered in the string list.
    M. Will cause a record to be omitted from the string list. (This record will print in the connector list.)
    N. Will suppress printing the wire identity in the harness string and double entry list.
    P. Will cause the equation to be used as the signal name for sorting purposes only in the string list.

Drawing No.
WL1 0281453
Rev. E, sheet 2

H78 STRING AND CONNECTOR LIST DEFINITION OF FIEI DS - Continued

Q. Will cause an equation record to be omitted from logic listing.
R. Will suppress printing the "FROM/TO" pin number in the string and connector lists.
S. Do not move record number to the ident field for an ADD transaction in the harness string and double entry only. (Use only when adding a file.)
T. Twist wire code.
U. Not available.
V. See general notes or instruction pages.
W. Fixed wire length submitted.
X. Sequence of string is to be left as is.
Y. See general notes or instruction pages.
Z. Will suppress printing of the "FROM" pin.

10. **Misc** - Unless otherwise noted, the number 1 indicates a pre-wired connector.

11. **Signal** - An alphanumeric signal name, mnemonic where feasible, which identifies one specific function from another.

    SPP- Denotes an available termination.
    SPF - Denotes an unwired termination which has an assigned function.
    SPW - Denotes a non-functional wire which is terminated at one or both ends.
    SPO - Denotes a spare output of a circuit.
    DNW- Indicates that a termination may not be wired.
    SPA- Denotes an unassigned circuit, as one of a group on a printed circuit board.
    SPI - Denotes a spare input of a circuit.
    SPG - Denotes an unassigned logic gate, as one of a group on a printed circuit board.
    SPR- Denotes a spare resistor.
    SPD - Denotes an unassigned input diode of an assigned logic gate.

12. **Seq No.** - A number which, in conjunction with SIGNAL, allows a signal string to be consistently printed in a given order.

13. **Equation** - A mnemonic name assigned to each gate of an element.

14. **Term** - An "OR" function composed of one or more factors.

15. **Factor** - A specific input to a logical gate or active element.

16. **Ckt or Chip Type** - Denotes a specific circuit board type.

17. **Group** - Denotes a specific circuit on a printed circuit board.

18. **Load or Power Plane** - Denotes the current draw in milliamps by a specific circuit or voltage.

19. **AND Test Point** - Denotes the input test point for a specific circuit on a printed circuit board.

20. **OR Test Point** - Denotes the output test point for a specific circuit on a circuit board.

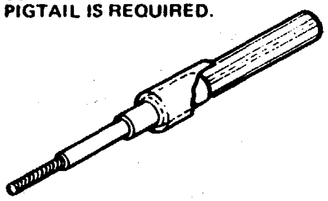
21. **Signal Description** - A written description or name of a signal or voltage.

22. **ECO No**. - A letter number combination to show the Engineering Change Order level of that particular wire list record.

Drawing No.
WL1 0281453
Rev. E, sheet 3

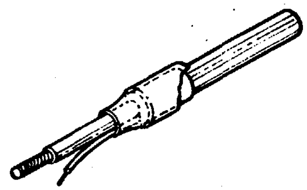
SHIELD FIGURE A

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, NO PIGTAIL IS REQUIRED.



SHIELD FIGURE B

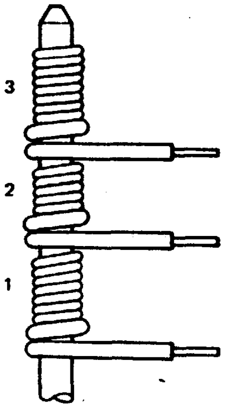
SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, FRONT PIGTAIL IS REQUIRED.



SHIELD FIGURE NO. 3

SHIELD FIGURE NO. 2

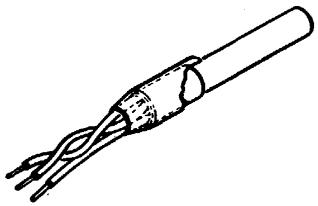
SHIELD FIGURE NO. 1



SHIELD FIGURE NUMBER INDICATES LEVEL OF WIRE WRAP

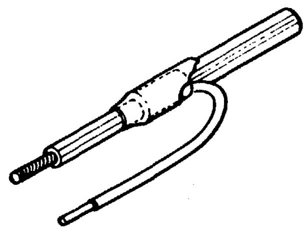
SHIELD FIGURE G

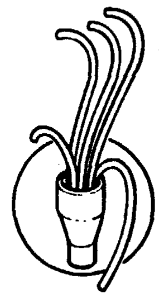
SHIELDED CABLE TERMINATION WITH DRAIN WIRE



SHIELD FIGURE C

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, A REAR PIGTAIL IS REQUIRED.



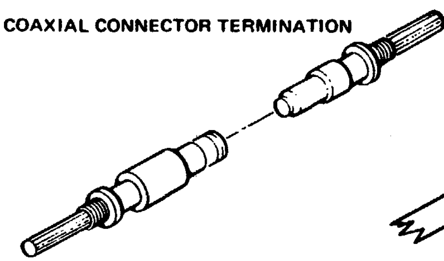


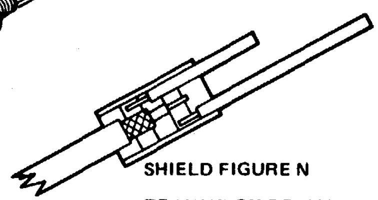
SHIELD FIGURE X

SHIELDED WIRE PIGTAILS--HYBRID

SHIELD FIGURE Z

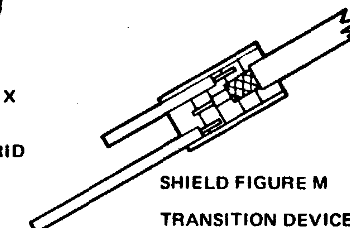
COAXIAL CONNECTOR TERMINATION





SHIELD FIGURE N

TRANSITION DEVICE WITH SOLID WIRE PIGTAILS



SHIELD FIGURE M

TRANSITION DEVICE WITH STRANDED WIRE PIGTAILS

Drawing No.
WL10281453

WIRE CODE DEFINITION

X X X

Type	Description	AWG
1 = Polyvinylidene Fluoride (PVF) (Kynar)	1 = Buss Wire	A = 32
	2 = High Voltage	B = 30
2 = Teflon ET	3 =	C = 28
3 = Teflon E		
4 = Teflon EE	4 =	D = 26
5 = Fluorinated Ethylene Propylene (FEP), Type K	5 = Integral Lead	E = 24
	6 = Auto Wire Wrap	F = 22
6 = FEP, Type KT		
7 = Special Condition	7 =	G = 20
8 = Polyvinyl Chloride (PVC) with Nylon Jacket, Type D	8 =	H = 18
	9 =	I = 16
9 = MIL-W-81044/12		
0 = Buss or Integral	0 = Special	J = 14
A = PVC without Jacket, Type B	A = Single Stranded	K = 12
	B = Single Solid	L = 10
B = PVC with Jacket		
C = MIL-W-22759/1	C = Single Shielded	M = 8
D = MIL-W-5086/1	D = TW Pr, Stranded	N = 6
E = MIL-W-5086/2	E = Tw Pr, Solid	P = 4

WIRE CODE DEFINITION

X X X

Type	Description	AWG
*F = MIL-C-17/94 (formerly MIL-C-17/68)	F = Tw Pr, Shielded	R = 2
*G = 898008-2	G = Tw Tpl, Stranded	S = 1
*H = 898008-1	H = Tw Tpl, Solid	T = 0
*J = MIL-C-17/29	J = Tw Tpl, Shielded	U = 00
*K = MIL-C-17/30	K = Tw Quadr, Stranded	V = 000
*L = MIL-C-17/79	L = Tw Quadr, Solid	W = 0000
*M = MIL-C-17/74	M = Tw Quadr, Shielded	X = Coax
*N = MIL-C-17/86	N = Tw Six Conductor, Stranded	Y =
*P = MIL-C-17/28		Z =
	P =	
*R = 898008-4	R =	1 =
*S = MIL-C-17/6	S =	2 =
*T = 898059-0001	T =	3 =
U = 898017-1	U =	4 =
V = 898017-2	V =	5 =
W = 898007-1 thru -4	W = 70 Ohm Coax	6 =
X = 898004, Type B	X = 50 Ohm Coax	7 =
Y = 898004, Type D	Y = 75 Ohm Coax	8 =
*Z = MIL-C-17/94	Z = 95 Ohm Coax	9 = Spcl
*/ = MIL-C-17/118		0 = Int Lead

NOTES: *1. Coax.

2. The word "BAR" in the Code Field indicates an electromechanical connection made possible by buss strips. Printed circuitry or power/ground planes will be coded "BUS" in the Code Field if required.

PARTS LIST		CONTRACT NUMBER DAAH01-71-C-0012	CODE IDENT 18876	PL WL10281453	REVISION E
TITLE CARD RACK ASSY - ANALOG, WIRE LIST					SHEET 6

ITEM NO.	FEET OF WIRE REQD	CODE IDENT	PART OR IDENTIFYING NUMBER	DRAWING OR DOCUMENT NUMBER	NOMENCLATURE OR DESCRIPTION	REF SYM	TIMES USED	WIRE CODE	LINE REV
1.	970		898041-0002		WIRE, ELEC, 250V, PVF INSUL 30 GAGE (WHITE)		970	16B	

3-5041 E (8/70) AN/TSQ-73

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453 REV E
FILE IDENT TSQ5CRAA DATE 08-31-82
INDEX HAG010V PAGE 7

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00211		J3103	01			J3107	25			16B	9			HAG010V	01									EXTMASK	
00212		J3107	25							16B	9			HAG010V	02									EXTMASK1	
00213		J3103	03			J3107	42			16B	9			HAG020V	01									EXTMASK	
00214		J3107	42							16B	9			HAG020V	02									EXTMASK2	
00215		J3103	04			J3107	33			16B	9			HAG030V	01									EXTMASK	
00216		J3107	33							16B	9			HAG030V	02									EXTMASK3	
00217		J3103	05			J3107	35			16B	9			HAG040V	01									EXTMASK	
00218		J3107	35							16B	9			HAG040V	02									EXTMASK4	
00219		J3103	06			J3107	30			16B	9			HAG050V	01									EXTMASK	
00220		J3107	30							16B	9			HAG050V	02									EXTMASK5	
00221		J3103	07			J3107	37			16B	9			HAG060V	01									EXTMASK	
00222		J3107	37							16B	9			HAG060V	02									EXTMASK6	
00223		J3103	08			J3108	25			16B	9			HAG070V	01									EXTMASK	
00224		J3108	25							16B	9			HAG070V	02									EXTMASK1	
00225		J3103	09			J3108	42			16B	9			HAG080V	01									EXTMASK	
00226		J3108	42							16B	9			HAG080V	02									EXTMASK2	
00227		J3103	10			J3108	33			16B	9			HAG090V	01									EXTMASK	
00228		J3108	33							16B	9			HAG090V	02									EXTMASK3	
00229		J3103	11			J3108	35			16B	9			HAG100V	01									EXTMASK	
00230		J3108	35							16B	9			HAG100V	02									EXTMASK4	
00231		J3103	13			J3108	30			16B	9			HAG110V	01									EXTMASK	
00232		J3108	30							16B	9			HAG110V	02									EXTMASK5	
00233		J3103	14			J3108	37			16B	9			HAG120V	01									EXTMASK	
00234		J3108	37							16B	9			HAG120V	02									EXTMASK6	
00235		J3103	15			J3109	25			16B	9			HAG130V	01									EXTMASK	
00236		J3109	25							16B	9			HAG130V	02									EXTMASK1	
00237		J3103	17			J3109	42			16B	9			HAG140V	01									EXTMASK	
00238		J3109	42							16B	9			HAG140V	02									EXTMASK2	
00239		J3103	18			J3109	33			16B	9			HAG150V	01									EXTMASK	
00240		J3109	33							16B	9			HAG150V	02									EXTMASK3	
00241		J3103	19			J3109	35			16B	9			HAG160V	01									EXTMASK	
00242		J3109	35							16B	9			HAG160V	02									EXTMASK4	

**** SIGNAL (HAG170V) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453 REV E INDEX HAG170V
FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 8

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00243		J3103	20			J3110	25			16B	9			HAG170V	01									EXTMASK	A02
00248		J3110	25							16B	9			HAG170V	02									EXTMASK1	A02
00245		J3103	21			J3109	37			16B	9			HAG180V	01									EXTMASK	
00246		J3109	37							16B	9			HAG180V	02									EXTMASK6	
00247		J3103	22			J3109	30			16B	9			HAG190V	01									EXTMASK	A02
00244		J3109	30							16B	9			HAG190V	02									EXTMASK5	A02
00249		J3103	23			J3110	42			16B	9			HAG200V	01									EXTMASK	
00250		J3110	42							16B	9			HAG200V	02									EXTMASK2	
00251		J3103	24			J3110	37			16B	9			HAG210V	01									EXTMASK	A02
00258		J3110	37							16B	9			HAG210V	02									EXTMASK6	A02
00253		J3103	25			J3110	35			16B	9			HAG220V	01									EXTMASK	
00254		J3110	35							16B	9			HAG220V	02									EXTMASK4	
00255		J3103	26			J3110	30			16B	9			HAG230V	01									EXTMASK	
00256		J3110	30							16B	9			HAG230V	02									EXTMASK5	
00257		J3103	27			J3110	33			16B	9			HAG240V	01									EXTMASK	A02
00252		J3110	33							16B	9			HAG240V	02									EXTMASK3	A02
00259		J3103	29			J3111	33			16B	9			HAG250V	01									EXTMASK	A02
00264		J3111	33							16B	9			HAG250V	02									EXTMASK3	A02
00261		J3103	30			J3111	42			16B	9			HAG260V	01									EXTMASK	
00262		J3111	42							16B	9			HAG260V	02									EXTMASK2	
00263		J3103	31			J3111	25			16B	9			HAG270V	01									EXTMASK	A02
00260		J3111	25							16B	9			HAG270V	02									EXTMASK1	A02
00265		J3103	33			J3111	35			16B	9			HAG280V	01									EXTMASK	
00266		J3111	35							16B	9			HAG280V	02									EXTMASK4	
00267		J3103	34			J3111	30			16B	9			HAG290V	01									EXTMASK	
00268		J3111	30							16B	9			HAG290V	02									EXTMASK5	
00269		J3103	35			J3111	37			16B	9			HAG300V	01									EXTMASK	
00270		J3111	37							16B	9			HAG300V	02									EXTMASK6	
00271		J3103	36			J3112	25			16B	9			HAG310V	01									EXTMASK	
00272		J3112	25							16B	9			HAG310V	02									EXTMASK1	
00273		J3103	37			J3112	42			16B	9			HAG320V	01									EXTMASK	
00274		J3112	42							16B	9			HAG320V	02									EXTMASK2	
00275		J3103	38			J3112	33			16B	9			HAG330V	01									EXTMASK	
00276		J3112	33							16B	9			HAG330V	02									EXTMASK3	

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA

REV E
DATE 08-31-82

INDEX HAG330V
PAGE 9

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00277		J3103	39			J3112	35			16B	9			HAG340V	01									EXTMASK	
00278		J3112	35							16B	9			HAG340V	02									EXTMASK4	
00279		J3103	40			J3112	30			16B	9			HAG350V	01									EXTMASK	
00280		J3112	30							16B	9			HAG350V	02									EXTMASK5	
00281		J3103	41			J3112	37			16B	9			HAG360V	01									EXTMASK	
00282		J3112	37							16B	9			HAG360V	02									EXTMASK6	
00283		J3103	42			J3113	25			16B	9			HAG370V	01									EXTMASK	
00284		J3113	25							16B	9			HAG370V	02									EXTMASK1	
00285		J3103	43			J3113	42			16B	9			HAG380V	01									EXTMASK	
00286		J3113	42							16B	9			HAG380V	02									EXTMASK2	
00287		J3103	45			J3113	33			16B	9			HAG390V	01									EXTMASK	
00288		J3113	33							16B	9			HAG390V	02									EXTMASK3	
00289		J3103	46			J3113	35			16B	9			HAG400V	01									EXTMASK	
00290		J3113	35							16B	9			HAG400V	02									EXTMASK4	
00291		J3103	47			J3113	30			16B	9			HAG410V	01									EXTMASK	
00292		J3113	30							16B	9			HAG410V	02									EXTMASK5	
00293		J3103	48			J3113	37			16B	9			HAG420V	01									EXTMASK	
00294		J3113	37							16B	9			HAG420V	02									EXTMASK6	
00295		J3103	49			J3114	25			16B	9			HAG430V	01									EXTMASK	
00296		J3114	25							16B	9			HAG430V	02									EXTMASK1	
00297		J3103	50			J3114	42			16B	9			HAG440V	01									EXTMASK	
00298		J3114	42							16B	9			HAG440V	02									EXTMASK2	
00299		J3103	51			J3114	33			16B	9			HAG450V	01									EXTMASK	
00300		J3114	33							16B	9			HAG450V	02									EXTMASK3	
00301		J3103	52			J3114	35			16B	9			HAG460V	01									EXTMASK	
00302		J3114	35							16B	9			HAG460V	02									EXTMASK4	
00303		J3103	53			J3114	30			16B	9			HAG470V	01									EXTMASK	
00304		J3114	30							16B	9			HAG470V	02									EXTMASK5	
00305		J3103	54			J3114	37			16B	9			HAG480V	01									EXTMASK	
00306		J3114	37							16B	9			HAG480V	02									EXTMASK6	
00307		J3103	55			J3115	25			16B	9			HAG490V	01									EXTMASK	
00308		J3115	25							16B	9			HAG490V	02									EXTMASK1	

**** SIGNAL (HAG500V) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | STRING | UNIT ASSEMBLY NO. 10281453 | FILE IDENT TS05CRAA | REV E | DATE 08-31-82 | INDEX HAG500V | PAGE 10

RECORD NUMBER	FROM				TO					WIRE												TEST POINTS			
	PREFIX	CONNECTOR	PIN	SH FG	PREFIX	CONNECTOR	PIN	SH FG	MULTI GROUP	CODE	COLOR	IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	AND	OR	SIGNAL DESCRIPTION	ECO NO
00309		J3103	56			J3115	42			16B	9			HAG500V	01									EXTMASK	
00310		J3115	42							16B	9			HAG500V	02									EXTMASK2	
00311		J3103	57			J3115	33			16B	9			HAG510V	01									EXTMASK	
00312		J3115	33							16B	9			HAG510V	02									EXTMASK3	
00313		J3103	59			J3115	35			16B	9			HAG520V	01									EXTMASK	
00314		J3115	35							16B	9			HAG520V	02									EXTMASK4	
00315		J3103	60			J3115	30			16B	9			HAG530V	01									EXTMASK	
00316		J3115	30							16B	9			HAG530V	02									EXTMASK5	
00317		J3103	61			J3115	37			16B	9			HAG540V	01									EXTMASK	
00318		J3115	37							16B	9			HAG540V	02									EXTMASK6	
00319		J3103	62			J3116	25			16B	9			HAG550V	01									EXTMASK	
00320		J3116	25							16B	9			HAG550V	02									EXTMASK1	
00321		J3103	63			J3116	42			16B	9			HAG560V	01									EXTMASK	
00322		J3116	42							16B	9			HAG560V	02									EXTMASK2	
00323		J3103	64			J3116	33			16B	9			HAG570V	01									EXTMASK	
00324		J3116	33							16B	9			HAG570V	02									EXTMASK3	
00325		J3103	65			J3116	35			16B	9			HAG580V	01									EXTMASK	
00326		J3116	35							16B	9			HAG580V	02									EXTMASK4	
00327		J3103	66			J3116	30			16B	9			HAG590V	01									EXTMASK	
00328		J3116	30							16B	9			HAG590V	02									EXTMASK5	
00329		J3103	68			J3116	37			16B	9			HAG600V	01									EXTMASK	
00330		J3116	37							16B	9			HAG600V	02									EXTMASK6	
00331		J3103	69			J3117	25			16B	9			HAG610V	01									EXTMASK	
00332		J3117	25							16B	9			HAG610V	02									EXTMASK1	
00333		J3103	70			J3117	42			16B	9			HAG620V	01									EXTMASK	
00334		J3117	42							16B	9			HAG620V	02									EXTMASK2	
00335		J3103	71			J3117	33			16B	9			HAG630V	01									EXTMASK	
00336		J3117	33							16B	9			HAG630V	02									EXTMASK3	
00337		J3103	72			J3117	35			16B	9			HAG640V	01									EXTMASK	
00338		J3117	35							16B	9			HAG640V	02									EXTMASK4	
00339		J3103	73			J3117	30			16B	9			HAG650V	01									EXTMASK	
00340		J3117	30							16B	9			HAG650V	02									EXTMASK5	
00341		J3103	74			J3117	37			16B	9			HAG660V	01									EXTMASK	
00342		J3117	37							16B	9			HAG660V	02									EXTMASK6	

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA
REV E
DATE 08-31-82
INDEX HAG660V
PAGE 11

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00343		J3103	75			J3118	25			16B	9			HAG670V	01									EXTMASK	
00344		J3118	25							16B	9			HAG670V	02									EXTMASK1	
00345		J3103	76			J3118	42			16B	9			HAG680V	01									EXTMASK	
00346		J3118	42							16B	9			HAG680V	02									EXTMASK2	
00347		J3103	77			J3118	33			16B	9			HAG690V	01									EXTMASK	
00348		J3118	33							16B	9			HAG690V	02									EXTMASK3	
00349		J3103	78			J3118	35			16B	9			HAG700V	01									EXTMASK	
00350		J3118	35							16B	9			HAG700V	02									EXTMASK4	
00351		J3103	79			J3118	30			16B	9			HAG710V	01									EXTMASK	
00352		J3118	30							16B	9			HAG710V	02									EXTMASK5	
00353		J3103	80			J3118	37			16B	9			HAG720V	01									EXTMASK	
00354		J3118	37							16B	9			HAG720V	02									EXTMASK6	
00355		J3101	73			J3113	76			16B	9			HAHA0AV	01									COMPID	
00356		J3113	76							16B	9			HAHA0AV	02									LD11	
00357		J3101	74			J3114	76			16B	9			HAHA1AV	01									COMPID	
00358		J3114	76							16B	9			HAHA1AV	02									LD11	
00359		J3101	75			J3115	76			16B	9			HAHA2AV	01									COMPID	
00360		J3115	76							16B	9			HAHA2AV	02									LD11	
00361		J3101	76			J3116	76			16B	9			HAHA3AV	01									COMPID	
00362		J3116	76							16B	9			HAHA3AV	02									LD11	
00363		J3101	77			J3117	76			16B	9			HAHA4AV	01									COMPID	
00364		J3117	76							16B	9			HAHA4AV	02									LD11	
00365		J3101	78			J3118	76			16B	9			HAHA5AV	01									COMPID	
00366		J3118	76							16B	9			HAHA5AV	02									LD11	
00369		J3101	01			J3107	47			16B	9			HAH011V1	01									IOMASK	
00370		J3107	47							16B	9			HAH011V1	02									IOMASK1	
00371		J3101	02			J3107	57			16B	9			HAH012V1	01									IOMASK	
00372		J3107	57							16B	9			HAH012V1	02									IOMASK2	
00373		J3101	03			J3107	55			16B	9			HAH013V1	01									IOMASK	
00374		J3107	55							16B	9			HAH013V1	02									IOMASK3	
00375		J3101	04			J3107	50			16B	9			HAH014V1	01									IOMASK	
00376		J3107	50											HAH014V1	02									IOMASK4	

**** SIGNAL (HAH015V1) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX HAH015V1
PAGE 12

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC TEST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00377		J3101	05			J3107	41			168	9			HAH015V1	01									IOMASK	
00378		J3107	41							168	9			HAH015V1	02									IOMASK5	
00379		J3101	06			J3107	45			168	9			HAH016V1	01									IOMASK	
00380		J3107	45							168	9			HAH016V1	02									IOMASK6	
00381		J3101	07			J3108	47			168	9			HAH017V1	01									IOMASK	
00382		J3108	47							168	9			HAH017V1	02									IOMASK1	
00383		J3101	08			J3108	57			168	9			HAH018V1	01									IOMASK	
00384		J3108	57							168	9			HAH018V1	02									IOMASK2	
00385		J3101	09			J3108	55			168	9			HAH021V1	01									IOMASK	
00386		J3108	55							168	9			HAH021V1	02									IOMASK3	
02153		J3101	10			J3108	50			168	9			HAH022V1	01									IOMASK	
00367		J3108	50							168	9			HAH022V1	02									IOMASK4	
00388		J3101	11			J3108	41			168	9			HAH023V1	01									IOMASK	
00389		J3108	41							168	9			HAH023V1	02									IOMASK5	
00390		J3101	12			J3108	45			168	9			HAH024V1	01									IOMASK	
00391		J3108	45							168	9			HAH024V1	02									IOMASK6	
00392		J3101	13			J3109	47			168	9			HAH025V1	01									IOMASK	
00393		J3109	47							168	9			HAH025V1	02									IOMASK1	
00394		J3101	14			J3109	57			168	9			HAH026V1	01									IOMASK	
00395		J3109	57							168	9			HAH026V1	02									IOMASK2	
00396		J3101	15			J3109	55			168	9			HAH027V1	01									IOMASK	
00397		J3109	55							168	9			HAH027V1	02									IOMASK3	
00398		J3101	16			J3109	50			168	9			HAH028V1	01									IOMASK	
00399		J3109	50							168	9			HAH028V1	02									IOMASK4	
00400		J3101	17			J3110	47			168	9			HAH031V1	01									IOMASK	A02
00405		J3110	47							168	9			HAH031V1	02									IOMASK1	A02
00402		J3101	18			J3109	45			168	9			HAH032V1	01									IOMASK	
00403		J3109	45							168	9			HAH032V1	02									IOMASK6	
00404		J3101	19			J3109	41			168	9			HAH033V1	01									IOMASK	A02
00401		J3109	41							168	9			HAH033V1	02									IOMASK5	A02
00406		J3101	20			J3110	57			168	9			HAH034V1	01									IOMASK	
00407		J3110	57							168	9			HAH034V1	02									IOMASK2	
00408		J3101	21			J3110	45			168	9			HAH035V1	01									IOMASK	A02
00414		J3110	45							168	9			HAH035V1	02									IOMASK6	A02

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

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00410		J3101	22			J3110	50			16B	9			HAH036V1	01									IOMASK	
02154		J3110	50							16B	9			HAH036V1	02										
00411		J3101	23			J3110	41			16B	9			HAH037V1	01									IOMASK	
00412		J3110	41							16B	9			HAH037V1	02									IOMASK5	
00413		J3101	24			J3110	55			16B	9			HAH038V1	01									IOMASK	A02
00409		J3110	55							16B	9			HAH038V1	02									IOMASK3	A02
00415		J3101	25			J3111	55			16B	9			HAH041V1	01									IOMASK	A02
00420		J3111	55							16B	9			HAH041V1	02									IOMASK3	A02
00417		J3101	26			J3111	57			16B	9			HAH042V1	01									IOMASK	
00418		J3111	57							16B	9			HAH042V1	02									IOMASK2	
00419		J3101	27			J3111	47			16B	9			HAH043V1	01									IOMASK	A02
00416		J3111	47							16B	9			HAH043V1	02									IOMASK1	A02
00421		J3101	28			J3111	50			16B	9			HAH044V1	01									IOMASK	
00422		J3111	50							16B	9			HAH044V1	02									IOMASK4	
00423		J3101	29			J3111	41			16B	9			HAH045V1	01									IOMASK	
00424		J3111	41							16B	9			HAH045V1	02									IOMASK5	
00425		J3101	30			J3111	45			16B	9			HAH046V1	01									IOMASK	
00426		J3111	45							16B	9			HAH046V1	02									IOMASK6	
00427		J3101	31			J3112	47			16B	9			HAH047V1	01									IOMASK	
00428		J3112	47							16B	9			HAH047V1	02									IOMASK1	
00429		J3101	32			J3112	57			16B	9			HAH048V1	01									IOMASK	
00430		J3112	57							16B	9			HAH048V1	02									IOMASK2	
00431		J3101	33			J3112	55			16B	9			HAH051V1	01									IOMASK	
00432		J3112	55							16B	9			HAH051V1	02									IOMASK3	
00433		J3101	34			J3112	50			16B	9			HAH052V1	01									IOMASK	
00434		J3112	50							16B	9			HAH052V1	02									IOMASK4	
00435		J3101	35			J3112	41			16B	9			HAH053V1	01									IOMASK	
00436		J3112	41							16B	9			HAH053V1	02									IOMASK5	
00437		J3101	36			J3112	45			16B	9			HAH054V1	01									IOMASK	
00438		J3112	45							16B	9			HAH054V1	02									IOMASK6	
00439		J3101	37			J3113	47			16B	9			HAH055V1	01									IOMASK	
00440		J3113	47							16B	9			HAH055V1	02									IOMASK1	

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00441		J3101	38			J3113	57			168	9			HAH056V1	01									IOMASK	
00442		J3113	57							168	9			HAH056V1	02									IOMASK2	
00443		J3101	39			J3113	55			168	9			HAH057V1	01									IOMASK	
00444		J3113	55							168	9			HAH057V1	02									IOMASK3	
00445		J3101	40			J3113	50			168	9			HAH058V1	01									IOMASK	
00446		J3113	50							168	9			HAH058V1	02									IOMASK4	
00447		J3101	41			J3113	41			168	9			HAH061V1	01									IOMASK	
00448		J3113	41							168	9			HAH061V1	02									IOMASK5	
00449		J3101	42			J3113	45			168	9			HAH062V1	01									IOMASK	
00450		J3113	45							168	9			HAH062V1	02									IOMASK6	
00451		J3101	43			J3114	47			168	9			HAH063V1	01									IOMASK	
00452		J3114	47							168	9			HAH063V1	02									IOMASK1	
00453		J3101	44			J3114	57			168	9			HAH064V1	01									IOMASK	
00454		J3114	57							168	9			HAH064V1	02									IOMASK2	
00455		J3101	45			J3114	55			168	9			HAH065V1	01									IOMASK	
00456		J3114	55							168	9			HAH065V1	02									IOMASK3	
00457		J3101	46			J3114	50			168	9			HAH066V1	01									IOMASK	
00458		J3114	50							168	9			HAH066V1	02									IOMASK4	
00459		J3101	47			J3114	41			168	9			HAH067V1	01									IOMASK	
00460		J3114	41							168	9			HAH067V1	02									IOMASK5	
00461		J3101	48			J3114	45			168	9			HAH068V1	01									IOMASK	
00462		J3114	45							168	9			HAH068V1	02									IOMASK6	
00463		J3101	49			J3115	47			168	9			HAH071V1	01									IOMASK	
00464		J3115	47							168	9			HAH071V1	02									IOMASK1	
00465		J3101	50			J3115	57			168	9			HAH072V1	01									IOMASK	
00466		J3115	57							168	9			HAH072V1	02									IOMASK2	
00467		J3101	51			J3115	55			168	9			HAH073V1	01									IOMASK	
00468		J3115	55							168	9			HAH073V1	02									IOMASK3	
00469		J3101	52			J3115	50			168	9			HAH074V1	01									IOMASK	
00470		J3115	50							168	9			HAH074V1	02									IOMASK4	
00471		J3101	53			J3115	41			168	9			HAH075V1	01									IOMASK	
00472		J3115	41							168	9			HAH075V1	02									IOMASK5	
00473		J3101	54			J3115	45			168	9			HAH076V1	01									IOMASK	
00474		J3115	45							168	9			HAH076V1	02									IOMASK6	

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00475		J3101	55			J3116	47			16B	9			HAH077V1	01									IOMASK	
00476		J3116	47							16B	9			HAH077V1	02									IOMASK1	
00477		J3101	56			J3116	57			16B	9			HAH078V1	01									IOMASK	
00478		J3116	57							16B	9			HAH078V1	02									IOMASK2	
00479		J3101	57			J3116	55			16B	9			HAH081V1	01									IOMASK	
00480		J3116	55							16B	9			HAH081V1	02									IOMASK3	
00481		J3101	58			J3116	50			16B	9			HAH082V1	01									IOMASK	
00482		J3116	50							16B	9			HAH082V1	02									IOMASK4	
00483		J3101	59			J3116	41			16B	9			HAH083V1	01									IOMASK	
00484		J3116	41							16B	9			HAH083V1	02									IOMASK5	
00485		J3101	60			J3116	45			16B	9			HAH084V1	01									IOMASK	
00486		J3116	45							16B	9			HAH084V1	02									IOMASK6	
00487		J3101	61			J3117	47			16B	9			HAH085V1	01									IOMASK	
00488		J3117	47							16B	9			HAH085V1	02									IOMASK1	
00489		J3101	62			J3117	57			16B	9			HAH086V1	01									IOMASK	
00490		J3117	57							16B	9			HAH086V1	02									IOMASK2	
00491		J3101	63			J3117	55			16B	9			HAH087V1	01									IOMASK	
00492		J3117	55							16B	9			HAH087V1	02									IOMASK3	
00493		J3101	64			J3117	50			16B	9			HAH088V1	01									IOMASK	
00494		J3117	50							16B	9			HAH088V1	02									IOMASK4	
00495		J3101	65			J3117	41			16B	9			HAH091V1	01									IOMASK	
00496		J3117	41							16B	9			HAH091V1	02									IOMASK5	
00497		J3101	66			J3117	45			16B	9			HAH092V1	01									IOMASK	
00498		J3117	45							16B	9			HAH092V1	02									IOMASK6	
00499		J3101	67			J3118	47			16B	9			HAH093V1	01									IOMASK	
00500		J3118	47							16B	9			HAH093V1	02									IOMASK1	
00501		J3101	68			J3118	57			16B	9			HAH094V1	01									IOMASK	
00502		J3118	57							16B	9			HAH094V1	02									IOMASK2	
00503		J3101	69			J3118	55			16B	9			HAH095V1	01									IOMASK	
00504		J3118	55							16B	9			HAH095V1	02									IOMASK3	
00505		J3101	70			J3118	50			16B	9			HAH096V1	01									IOMASK	
00506		J3118	50							16B	9			HAH096V1	02									IOMASK4	

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00507		J3101	71			J3118	41			16B	9			HAH097V1	01									IOMASK	
00508		J3118	41							16B	9			HAH097V1	02									IOMASK5	
00509		J3101	72			J3118	45			16B	9			HAH098V1	01									IOMASK	
00510		J3118	45							16B	9			HAH098V1	02									IOMASK6	
00511		J3102	01			J3104	07			16B	9			HAP01D	00									PRBANALOG	A03
01118		J3104	07			J3107	14			16B	9			HAP01D	01										A03
00512		J3107	14							16B	9			HAP01D	02									PRBANALOG1	
00513		J3102	03			J3104	04			16B	9			HAP02D	00									PRBANALOG	A03
01094		J3104	04			J3107	26			16B	9			HAP02D	01										A03
00514		J3107	26							16B	9			HAP02D	02									PRBANALOG2	
00515		J3102	04			J3104	16			16B	9			HAP03D	00									PRBANALOG	A03
01933		J3104	16			J3107	11			16B	9			HAP03D	01										A03
00516		J3107	11							16B	9			HAP03D	02									PRBANALOG3	
00517		J3102	05			J3104	15			16B	9			HAP04D	00									PRBANALOG	A03
01174		J3104	15			J3107	18			16B	9			HAP04D	01										A03
00518		J3107	18							16B	9			HAP04D	02									PRBANALOG4	
00519		J3102	06			J3104	35			16B	9			HAP05D	00									PRBANALOG	A07
01254		J3104	35			J3107	23			16B	9			HAP05D	01										A07
00520		J3107	23							16B	9			HAP05D	02									PRBANALOG5	
00521		J3102	07			J3104	25			16B	9			HAP06D	00									PRBANALOG	A03
01246		J3104	25			J3107	04			16B	9			HAP06D	01										A03
00522		J3107	04							16B	9			HAP06D	02									PRBANALOG6	
00523		J3102	08			J3104	36			16B	9			HAP07D	00									PRBANALOG	A03
01312		J3104	36			J3108	14			16B	9			HAP07D	01										A03
00524		J3108	14							16B	9			HAP07D	02									PRBANALOG1	
00525		J3102	09			J3104	26			16B	9			HAP08D	00									PRBANALOG	A07
01305		J3104	26			J3108	26			16B	9			HAP08D	01										A07
00526		J3108	26							16B	9			HAP08D	02									PRBANALOG2	
00527		J3102	10			J3104	46			16B	9			HAP09D	00									PRBANALOG	A03
01361		J3104	46			J3108	11			16B	9			HAP09D	01										A03
00528		J3108	11							16B	9			HAP09D	02									PRBANALOG3	
00529		J3102	11			J3104	71			16B	9			HAP10D	00									PRBANALOG	A07
01356		J3104	71			J3108	18			16B	9			HAP10D	01										A07
00530		J3108	18							16B	9			HAP10D	02									PRBANALOG4	
00531		J3102	13			J3104	56			16B	9			HAP11D	00									PRBANALOG	A03
01410		J3104	56			J3108	23			16B	9			HAP11D	01										A03
00532		J3108	23							16B	9			HAP11D	02									PRBANALOG5	

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00533		J3102	14			J3104	55			16B	9			HAP12D	00									PRBANALOG	A03
01406		J3104	55			J3108	04			16B	9			HAP12D	01										~~A03~~
00534		J3108	04							16B	9			HAP12D	02									PRBANALOG6	
00535		J3102	15			J3104	70			16B	9			HAP13D	00									PRBANALOG	A03
01453		J3104	70			J3109	14			16B	9			HAP13D	01										~~A03~~
00536		J3109	14							16B	9			HAP13D	02									PRBANALOG1	
00537		J3102	17			J3104	66			16B	9			HAP14D	00									PRBANALOG	A03
01444		J3104	66			J3109	26			16B	9			HAP14D	01										~~A03~~
00538		J3109	26							16B	9			HAP14D	02									PRBANALOG2	
00539		J3102	18			J3104	78			16B	9			HAP15D	00									PRBANALOG	A03
01492		J3104	78			J3109	11			16B	9			HAP15D	01										~~A03~~
00540		J3109	11							16B	9			HAP15D	02									PRBANALOG3	
00541		J3102	19			J3104	77			16B	9			HAP16D	00									PRBANALOG	A03
01486		J3104	77			J3109	18			16B	9			HAP16D	01										~~A03~~
00542		J3109	18							16B	9			HAP16D	02									PRBANALOG4	
00543		J3102	20			J3104	08			16B	9			HAP17D	00									PRBANALOG	A03
01126		J3104	08			J3110	14			16B	9			HAP17D	01										~~A03~~
00548		J3110	14							16B	9			HAP17D	02									PRBANALOG1	A02
00545		J3102	21			J3104	03			16B	9			HAP18D	00									PRBANALOG	A03
01086		J3104	03			J3109	04			16B	9			HAP18D	01										~~A03~~
00546		J3109	04							16B	9			HAP18D	02									PRBANALOG6	
00547		J3102	22			J3104	17			16B	9			HAP19D	00									PRBANALOG	A03
01182		J3104	17			J3109	23			16B	9			HAP19D	01										~~A03~~
00544		J3109	23							16B	9			HAP19D	02									PRBANALOG5	A02
00549		J3102	23			J3104	10			16B	9			HAP20D	00									PRBANALOG	A03
01142		J3104	10			J3110	26			16B	9			HAP20D	01										~~A03~~
00550		J3110	26							16B	9			HAP20D	02									PRBANALOG2	
00551		J3102	24			J3104	27			16B	9			HAP21D	00									PRBANALOG	A03
01262		J3104	27			J3110	04			16B	9			HAP21D	01										~~A03~~
00558		J3110	04							16B	9			HAP21D	02									PRBANALOG6	A02
00553		J3102	25			J3104	24			16B	9			HAP22D	00									PRBANALOG	A03
01238		J3104	24			J3110	18			16B	9			HAP22D	01										~~A03~~
00554		J3110	18							16B	9			HAP22D	02									PRBANALOG4	
00555		J3102	26			J3104	37			16B	9			HAP23D	00									PRBANALOG	A03
01319		J3104	37			J3110	23			16B	9			HAP23D	01										~~A03~~
00556		J3110	23							16B	9			HAP23D	02									PRBANALOG5	
00557		J3102	27			J3104	34			16B	9			HAP24D	00									PRBANALOG	A03
01298		J3104	34			J3110	11			16B	9			HAP24D	01										~~A03~~

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

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UNIT ASSEMBLY NO. 10281453
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00552		J3110	11							16B	9			HAP24D	02									PRBANALOG3	A02
00559		J3102	29			J3104	47			16B	9			HAP25D	00									PRBANALOG	A03
01366		J3104	47			J3111	11			16B	9			HAP25D	01										A03
00564		J3111	11							16B	9			HAP25D	02									PRBANALOG3	A02
00561		J3102	30			J3104	44			16B	9			HAP26D	00									PRBANALOG	A03
01936		J3104	44			J3111	26			16B	9			HAP26D	01										A03
00562		J3111	26							16B	9			HAP26D	02									PRBANALOG2	
00563		J3102	31			J3104	57			16B	9			HAP27D	00									PRBANALOG	A03
01414		J3104	57			J3111	14			16B	9			HAP27D	01										A03
00560		J3111	14							16B	9			HAP27D	02									PRBANALOG1	A02
00565		J3102	33			J3104	54			16B	9			HAP28D	00									PRBANALOG	A03
01401		J3104	54			J3111	18			16B	9			HAP28D	01										A03
00566		J3111	18							16B	9			HAP28D	02									PRBANALOG4	
00567		J3102	34			J3104	45			16B	9			HAP29D	00									PRBANALOG	A07
01456		J3104	45			J3111	23			16B	9			HAP29D	01										A07
00568		J3111	23							16B	9			HAP29D	02									PRBANALOG5	
00569		J3102	35			J3104	65			16B	9			HAP30D	00									PRBANALOG	A03
01441		J3104	65			J3111	04			16B	9			HAP30D	01										A03
00570		J3111	04							16B	9			HAP30D	02									PRBANALOG6	
00571		J3102	36			J3104	79			16B	9			HAP31D	00									PRBANALOG	A03
01498		J3104	79			J3112	14			16B	9			HAP31D	01										A03
00572		J3112	14							16B	9			HAP31D	02									PRBANALOG1	
00573		J3102	37			J3104	76			16B	9			HAP32D	00									PRBANALOG	A03
01480		J3104	76			J3112	26			16B	9			HAP32D	01										A03
00574		J3112	26							16B	9			HAP32D	02									PRBANALOG2	
00575		J3102	38			J3104	01			16B	9			HAP33D	00									PRBANALOG	A07
01134		J3104	01			J3112	11			16B	9			HAP33D	01										A07
00576		J3112	11							16B	9			HAP33D	02									PRBANALOG3	
00577		J3102	39			J3104	09			16B	9			HAP34D	00									PRBANALOG	A07
01078		J3104	09			J3112	18			16B	9			HAP34D	01										A07
00578		J3112	18							16B	9			HAP34D	02									PRBANALOG4	
00579		J3102	40			J3104	80			16B	9			HAP35D	00									PRBANALOG	A03
01504		J3104	80			J3112	23			16B	9			HAP35D	01										A03
00580		J3112	23							16B	9			HAP35D	02									PRBANALOG5	
00581		J3102	41			J3104	72			16B	9			HAP36D	00									PRBANALOG	A03
01459		J3104	72			J3112	04			16B	9			HAP36D	01										A03
00582		J3112	04							16B	9			HAP36D	02									PRBANALOG6	
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPEC INST	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00583		J3102	42			J3105	07			16B	9			HAP37D	00									PRBANALOG	A03
01806		J3105	07			J3113	14			16B	9			HAP37D	01										A03
00584		J3113	14							16B	9			HAP37D	02									PRBANALOG1	
00585		J3102	43			J3105	04			16B	9			HAP38D	00									PRBANALOG	A03
01811		J3105	04			J3113	26			16B	9			HAP38D	01										A03
00586		J3113	26							16B	9			HAP38D	02									PRBANALOG2	
00587		J3102	45			J3105	16			16B	9			HAP39D	00									PRBANALOG	A03
01940		J3105	16			J3113	11			16B	9			HAP39D	01										A02
00588		J3113	11							16B	9			HAP39D	02									PRBANALOG3	
00589		J3102	46			J3105	15			16B	9			HAP40D	00									PRBANALOG	A03
00741		J3105	15			J3113	18			16B	9			HAP40D	01										A03
00590		J3113	18							16B	9			HAP40D	02									PRBANALOG4	
00591		J3102	47			J3105	26			16B	9			HAP41D	00									PRBANALOG	A03
00775		J3105	26			J3113	23			16B	9			HAP41D	01										A03
00592		J3113	23							16B	9			HAP41D	02									PRBANALOG5	
00593		J3102	48			J3105	25			16B	9			HAP42D	00									PRBANALOG	A03
00771		J3105	25			J3113	04			16B	9			HAP42D	01										A03
00594		J3113	04							16B	9			HAP42D	02									PRBANALOG6	
00595		J3102	49			J3105	36			16B	9			HAP43D	00									PRBANALOG	A03
01520		J3105	36			J3114	14			16B	9			HAP43D	01										A03
00596		J3114	14							16B	9			HAP43D	02									PRBANALOG1	
00597		J3102	50			J3105	35			16B	9			HAP44D	00									PRBANALOG	A03
01518		J3105	35			J3114	26			16B	9			HAP44D	01										A03
00598		J3114	26							16B	9			HAP44D	02									PRBANALOG2	
00599		J3102	51			J3105	46			16B	9			HAP45D	00									PRBANALOG	A03
01538		J3105	46			J3114	11			16B	9			HAP45D	01										A03
00600		J3114	11							16B	9			HAP45D	02									PRBANALOG3	
00601		J3102	52			J3105	45			16B	9			HAP46D	00									PRBANALOG	A03
01536		J3105	45			J3114	18			16B	9			HAP46D	01										A03
00602		J3114	18							16B	9			HAP46D	02									PRBANALOG4	
00603		J3102	53			J3105	56			16B	9			HAP47D	00									PRBANALOG	A03
00667		J3105	56			J3114	23			16B	9			HAP47D	01										A03
00604		J3114	23							16B	9			HAP47D	02									PRBANALOG5	
00605		J3102	54			J3105	55			16B	9			HAP48D	00									PRBANALOG	A03
01766		J3105	55			J3114	04			16B	9			HAP48D	01										A03
00606		J3114	04							16B	9			HAP48D	02									PRBANALOG6	
00607		J3102	55			J3105	70			16B	9			HAP49D	00									PRBANALOG	A03
00774		J3105	70			J3115	14			16B	9			HAP49D	01										A03

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00608		J3115	14							16B	9			HAP49D	02									PRBANALOG1	
00609		J3102	56			J3105	66			16B	9			HAP50D	00									PRBANALOG	A03
01777		J3105	66			J3115	26			16B	9			HAP50D	01										A03
00610		J3115	26							16B	9			HAP50D	02									PRBANALOG2	
00611		J3102	57			J3105	78			16B	9			HAP51D	00									PRBANALOG	A03
00655		J3105	78			J3115	11			16B	9			HAP51D	01										A03
00612		J3115	11							16B	9			HAP51D	02									PRBANALOG3	
00613		J3102	59			J3105	77			16B	9			HAP52D	00									PRBANALOG	A03
00682		J3105	77			J3115	18			16B	9			HAP52D	01										A03
00614		J3115	18							16B	9			HAP52D	02									PRBANALOG4	
00615		J3102	60			J3105	08			16B	9			HAP53D	00									PRBANALOG	A03
01818		J3105	08			J3115	23			16B	9			HAP53D	01										A03
00616		J3115	23							16B	9			HAP53D	02									PRBANALOG5	
00617		J3102	61			J3105	03			16B	9			HAP54D	00									PRBANALOG	A03
01792		J3105	03			J3115	04			16B	9			HAP54D	01										A03
00618		J3115	04							16B	9			HAP54D	02									PRBANALOG6	
00619		J3102	62			J3105	17			16B	9			HAP55D	00									PRBANALOG	A03
00746		J3105	17			J3116	14			16B	9			HAP55D	01										A03
00620		J3116	14							16B	9			HAP55D	02									PRBANALOG1	
00621		J3102	63			J3105	10			16B	9			HAP56D	00									PRBANALOG	A03
00707		J3105	10			J3116	26			16B	9			HAP56D	01										A03
00622		J3116	26							16B	9			HAP56D	02									PRBANALOG2	
00623		J3102	64			J3105	27			16B	9			HAP57D	00									PRBANALOG	A03
00777		J3105	27			J3116	11			16B	9			HAP57D	01										A03
00624		J3116	11							16B	9			HAP57D	02									PRBANALOG3	
00625		J3102	65			J3105	24			16B	9			HAP58D	00									PRBANALOG	A03
00769		J3105	24			J3116	18			16B	9			HAP58D	01										A03
00626		J3116	18							16B	9			HAP58D	02									PRBANALOG4	
00627		J3102	66			J3105	37			16B	9			HAP59D	00									PRBANALOG	A03
01522		J3105	37			J3116	23			16B	9			HAP59D	01										A03
00628		J3116	23							16B	9			HAP59D	02									PRBANALOG5	
00629		J3102	68			J3105	34			16B	9			HAP60D	00									PRBANALOG	A03
01516		J3105	34			J3116	04			16B	9			HAP60D	01										A03
00630		J3116	04							16B	9			HAP60D	02									PRBANALOG6	
00631		J3102	69			J3105	47			16B	9			HAP61D	00									PRBANALOG	A03
01540		J3105	47			J3117	14			16B	9			HAP61D	01										A03
00632		J3117	14							16B	9			HAP61D	02									PRBANALOG1	

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00633		J3102	70			J3105	44			16B	9			HAP62D	00									PRBANALOG	A03
01943		J3105	44			J3117	26			16B	9			HAP62D	01										A03
00634		J3117	26							16B	9			HAP62D	02									PRBANALOG2	
00635		J3102	71			J3105	57			16B	9			HAP63D	00									PRBANALOG	A03
00668		J3105	57			J3117	11			16B	9			HAP63D	01										A03
00636		J3117	11							16B	9			HAP63D	02									PRBANALOG3	
00637		J3102	72			J3105	54			16B	9			HAP64D	00									PRBANALOG	A03
01765		J3105	54			J3117	18			16B	9			HAP64D	01										A03
00638		J3117	18							16B	9			HAP64D	02									PRBANALOG4	
00639		J3102	73			J3105	71			16B	9			HAP65D	00									PRBANALOG	A03
00663		J3105	71			J3117	23			16B	9			HAP65D	01										A03
00640		J3117	23							16B	9			HAP65D	02									PRBANALOG5	
00641		J3102	74			J3105	65			16B	9			HAP66D	00									PRBANALOG	A03
01829		J3105	65			J3117	04			16B	9			HAP66D	01										A03
00642		J3117	04							16B	9			HAP66D	02									PRBANALOG6	
00643		J3102	75			J3105	79			16B	9			HAP67D	00									PRBANALOG	A03
02174		J3105	79			J3118	14			16B	9			HAP67D	01										A03
00644		J3118	14							16B	9			HAP67D	02									PRBANALOG1	
00645		J3102	76			J3105	76			16B	9			HAP68D	00									PRBANALOG	A03
00756		J3105	76			J3118	26			16B	9			HAP68D	01										A03
00646		J3118	26							16B	9			HAP68D	02									PRBANALOG2	
00647		J3102	77			J3105	09			16B	9			HAP69D	00									PRBANALOG	A03
00697		J3105	09			J3118	11			16B	9			HAP69D	01									MEMENBL	A03
00648		J3118	11							16B	9			HAP69D	02									PRBANALOG3	
00649		J3102	78			J3105	01			16B	9			HAP70D	00									PRBANALOG	A03
01791		J3105	01			J3118	18			16B	9			HAP70D	01										A03
00650		J3118	18							16B	9			HAP70D	02									PRBANALOG4	
00651		J3102	79			J3105	80			16B	9			HAP71D	00									PRBANALOG	A03
00781		J3105	80			J3118	23			16B	9			HAP71D	01										A03
00652		J3118	23							16B	9			HAP71D	02									PRBANALOG5	
00653		J3102	80			J3105	72			16B	9			HAP72D	00									PRBANALOG	A03
00773		J3105	72			J3118	04			16B	9			HAP72D	01										A03
00654		J3118	04							16B	9			HAP72D	02									PRBANALOG6	
01972		J3110	72			J3110	75			16B	9			HBFAGA	01										A05
01973		J3110	75							16B	9			HBFAGA	02									LD212	A05
01968		J3108	72			J3108	75			16B	9			HBFAJS	02									LD211	
02156		J3108	75							16B	9			HBFAJS	03										

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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01970		J3109	72			J3109	75			16B	9			HBFAKS	02									LD211	
02157		J3109	75							16B	9			HBFAKS	03										
00670		J3107	68			J3108	68			16B	9			HBFBRD1	02									LATCHRESET	
00671		J3108	68			J3109	68			16B	9			HBFBRD1	03									LATCHRESET	
00672		J3109	68			J3110	68			16B	9			HBFBRD1	04									LATCHRESET	
00673		J3110	68			J3111	68			16B	9			HBFBRD1	05									LATCHRESET	
00674		J3111	68			J3112	68			16B	9			HBFBRD1	06									LATCHRESET	
00675		J3112	68			J3113	68			16B	9			HBFBRD1	07									LATCHRESET	
00676		J3113	68			J3114	68			16B	9			HBFBRD1	08									LATCHRESET	
00677		J3114	68			J3115	68			16B	9			HBFBRD1	09									LATCHRESET	
00678		J3115	68			J3116	68			16B	9			HBFBRD1	10									LATCHRESET	
00679		J3116	68			J3117	68			16B	9			HBFBRD1	11									LATCHRESET	
00680		J3117	68			J3118	68			16B	9			HBFBRD1	12									LATCHRESET	
00681		J3118	68							16B	9			HBFBRD1	13									LATCHRESET	
00683		J3119	06			J3119	59			16B	9			HBFVSD1	02									INHVCC1SNS	
00684		J3119	59							16B	9			HBFVSD1	03									INHPUSNS	
00688		J3120	29			J3121	29			16B	9			HBJ000V	02									ENBL0	
00689		J3121	29			J3122	29			16B	9			HBJ000V	03									ENBL0	
00690		J3122	29			J3123	29			16B	9			HBJ000V	04									ENBL0	
00691		J3123	29			J3124	29			16B	9			HBJ000V	05									ENBL0	
00692		J3124	29			J3125	29			16B	9			HBJ000V	06									ENBL0	
00693		J3125	29			J3126	29			16B	9			HBJ000V	07									ENBL0	
00694		J3126	29			J3127	27			16B	9			HBJ000V	08									ENBL0	
00695		J3127	27			J3127	29			16B	9			HBJ000V	09									ENBL4	
00696		J3127	29							16B	9			HBJ000V	10									ENBL0	
00698		J3120	31			J3121	31			16B	9			HBJ010V	02									ENBL1	
00699		J3121	31			J3122	31			16B	9			HBJ010V	03									ENBL1	
00700		J3122	31			J3123	31			16B	9			HBJ010V	04									ENBL1	
00701		J3123	31			J3124	31			16B	9			HBJ010V	05									ENBL1	
00702		J3124	31			J3125	31			16B	9			HBJ010V	06									ENBL1	
00703		J3125	31			J3126	31			16B	9			HBJ010V	07									ENBL1	
00704		J3126	31			J3126	48			16B	9			HBJ010V	08									ENBL1	
00705		J3126	48			J3127	31			16B	9			HBJ010V	09									ENBL5	
00706		J3127	31							16B	9			HBJ010V	10									ENBL1	
00708		J3120	80			J3121	80			16B	9			HBJ020V	02									ENBL2	
00709		J3121	80			J3123	80			16B	9			HBJ020V	03									ENBL2	A06
00711		J3123	80			J3124	63			16B	9			HBJ020V	05									ENBL2	
00712		J3124	63			J3124	80			16B	9			HBJ020V	06									ENBL6	
00713		J3124	80			J3125	80			16B	9			HBJ020V	07									ENBL2	
00714		J3125	80			J3127	80			16B	9			HBJ020V	08									ENBL2	A06
00716		J3127	80							16B	9			HBJ020V	10									ENBL2	
00718		J3120	43			J3121	43			16B	9			HBJ030V	02									ENBL3	
00719		J3121	43			J3122	43			16B	9			HBJ030V	03									ENBL3	
00720		J3122	43			J3123	43			16B	9			HBJ030V	04									ENBL3	

**** SIGNAL (HBJ030V) IS ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | STRING | UNIT ASSEMBLY NO. 10281453 | FILE IDENT TS05CRAA | REV E | DATE 08-31-82 | INDEX HBJ030V | PAGE 23

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00721		J3123	43			J3124	43			16B	9			HBJ030V	05									ENBL3	
00722		J3124	43			J3125	43			16B	9			HBJ030V	06									ENBL3	
00723		J3125	43			J3125	63			16B	9			HBJ030V	07									ENBL3	
00724		J3125	63			J3126	43			16B	9			HBJ030V	08									ENBL6	
00725		J3126	43			J3127	43			16B	9			HBJ030V	09									ENBL3	
00726		J3127	43							16B	9			HBJ030V	10									ENBL3	
00728		J3120	27			J3121	27			16B	9			HBJ040V	02									ENBL4	
00729		J3121	27			J3122	27			16B	9			HBJ040V	03									ENBL4	
00730		J3122	27			J3123	27			16B	9			HBJ040V	04									ENBL4	
00685		J3123	27			J3124	27			16B	9			HBJ040V	05									ENBL4	
00731		J3124	27			J3125	27			16B	9			HBJ040V	06									ENBL4	
00732		J3125	27			J3126	27			16B	9			HBJ040V	07									ENBL4	
00733		J3126	27							16B	9			HBJ040V	08									ENBL4	
00735		J3120	48			J3121	48			16B	9			HBJ050V	02									ENBL5	
00736		J3121	48			J3122	48			16B	9			HBJ050V	03									ENBL5	
00737		J3122	48			J3123	48			16B	9			HBJ050V	04									ENBL5	
00738		J3123	48			J3124	48			16B	9			HBJ050V	05									ENBL5	
00739		J3124	48			J3125	48			16B	9			HBJ050V	06									ENBL5	
00740		J3125	48							16B	9			HBJ050V	07									ENBL5	
00742		J3120	63			J3121	63			16B	9			HBJ060V	02									ENBL6	
00743		J3121	63			J3122	63			16B	9			HBJ060V	03									ENBL6	
00744		J3122	63			J3123	45			16B	9			HBJ060V	04									ENBL6	A06
00082		J3123	45							16B	9			HBJ060V	05										A06
00747		J3120	17			J3121	17			16B	9			HBJ070V	011									ENBL7	
00748		J3121	17			J3122	17			16B	9			HBJ070V	02									ENBL7	
00749		J3122	17			J3123	17			16B	9			HBJ070V	03									ENBL7	
00750		J3123	17							16B	9			HBJ070V	04									ENBL7	
00752		J3126	63			J3127	48			16B	9			HBJ080V	02									ENBL8	
00686		J3127	48							16B	9			HBJ080V	03									ENBL5	A06
00759		J3107	72			J3107	75			16B	9			HBLAGA	02									LD211	
00760		J3107	75							16B	9			HBLAGA	03									LD212	
02129		J3106	21			J3119	70			16B	9			HBWBCO	01										B01
00776		J3119	70							16B	9			HBWBCO	02									707CRD	B01
02094		J3106	39			J3107	15			16B	9			HC+1VDC	01										
00783		J3107	15			J3108	15			16B	9			HC+1VDC	02										
00784		J3108	15			J3109	15			16B	9			HC+1VDC	03										
00785		J3109	15			J3110	15			16B	9			HC+1VDC	04										
00786		J3110	15			J3111	15			16B	9			HC+1VDC	05										
00787		J3111	15			J3112	15			16B	9			HC+1VDC	06										
00788		J3112	15			J3113	15			16B	9			HC+1VDC	07										
00789		J3113	15			J3114	15			16B	9			HC+1VDC	08										
00790		J3114	15			J3115	15			16B	9			HC+1VDC	09										

**** SIGNAL HC+1VDC) IS ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA

REV E
DATE 08-31-82

INDEX HC+1VDC
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00791		J3115	15			J3116	15			16B	9			HC+1VDC	10										
00792		J3116	15			J3117	15			16B	9			HC+1VDC	11										
00793		J3117	15			J3118	15			16B	9			HC+1VDC	12										
00794		J3118	15			J3119	79			16B	9			HC+1VDC	13										
02095		J3119	79			J3119	80			16B	9			HC+1VDC	14										
00795		J3119	80							16B	9			HC+1VDC	15										
02084		J3106	48			J3106	74			16B	9			HC+15VDC	00C									707CARDISLTNRLYDRV	B01
02147		J3106	74			J3106	71			16B	9			HC+15VDC	00E										B01
02146		J3106	71			J3106	05			16B	9			HC+15VDC	00H										B01
02096		J3106	05			J3106	36			16B	9			HC+15VDC	01										
02097		J3106	36			J3106	76			16B	9			HC+15VDC	02										
02161		J3106	76			J3119	13			16B	9			HC+15VDC	03										A05
00796		J3119	13			J3119	14			16B	9			HC+15VDC	04										A05
00797		J3119	14							16B	9			HC+15VDC	05										A05
02093		J3106	64			J3106	66			16B	9			HC+2.0V	01										A05
02160		J3106	66			J3105	75			16B	9			HC+2.0V	02										A05
00754		J3105	75			J3104	75			16B	9			HC+2.0V	03										A05
01474		J3104	75							16B	9			HC+2.0V	04										A05
02098		J3106	42			J3107	13			16B	9			HC+2VDC	01										
00798		J3107	13			J3108	13			16B	9			HC+2VDC	02										
00799		J3108	13			J3109	13			16B	9			HC+2VDC	03										
00800		J3109	13			J3110	13			16B	9			HC+2VDC	04										
00801		J3110	13			J3111	13			16B	9			HC+2VDC	05										
00802		J3111	13			J3112	13			16B	9			HC+2VDC	06										
00803		J3112	13			J3113	13			16B	9			HC+2VDC	07										
00804		J3113	13			J3114	13			16B	9			HC+2VDC	08										
00805		J3114	13			J3115	13			16B	9			HC+2VDC	09										
00806		J3115	13			J3116	13			16B	9			HC+2VDC	10										
00807		J3116	13			J3117	13			16B	9			HC+2VDC	11										
00808		J3117	13			J3118	13			16B	9			HC+2VDC	12										
00809		J3118	13			J3119	49			16B	9			HC+2VDC	13										
02099		J3119	49			J3119	50			16B	9			HC+2VDC	14										
00810		J3119	50							16B	9			HC+2VDC	15										
00811		J3120	28			J3120	30			16B	9			HC+5VDC0	01										
00812		J3120	30							16B	9			HC+5VDC0	02										
00813		J3121	28			J3121	30			16B	9			HC+5VDC1	01										
00814		J3121	30							16B	9			HC+5VDC1	02										
00815		J3122	28			J3122	30			16B	9			HC+5VDC2	01										
00816		J3122	30							16B	9			HC+5VDC2	02										
00817		J3123	28			J3123	30			16B	9			HC+5VDC3	01										
00818		J3123	30							16B	9			HC+5VDC3	02										
00819		J3124	28			J3124	30			16B	9			HC+5VDC4	01										

**** SIGNAL (HC+5VDC4) IS ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | STRING | UNIT ASSEMBLY NO. 10281453 | FILE IDENT TS05CRAA | REV E | DATE 08-31-82 | INDEX HC+5VDC4 | PAGE 25

RECORD NUMBER	FROM CONNECTOR	FROM PIN	TO CONNECTOR	TO PIN	WIRE CODE	WIRE COLOR	SIGNAL	SEQ NO	SIGNAL DESCRIPTION	ECO NO
00820	J3124	30			16B	9	HC+5VDC4	02		
00821	J3125	28	J3125	30	16B	9	HC+5VDC5	01		
00822	J3125	30			16B	9	HC+5VDC5	02		
00823	J3126	28	J3126	30	16B	9	HC+5VDC6	01		
00824	J3126	30			16B	9	HC+5VDC6	02		
00825	J3127	28	J3127	30	16B	9	HC+5VDC7	01		
00826	J3127	30			16B	9	HC+5VDC7	02		
02100	J3106	10	J3106	11	16B	9	HC+5VDC8	01		
02101	J3106	11	J3106	12	16B	9	HC+5VDC8	02		
02162	J3106	12	J3105	11	16B	9	HC+5VDC8	03		A05
00717	J3105	11	J3104	11	16B	9	HC+5VDC8	04		A05
01150	J3104	11			16B	9	HC+5VDC8	05		A05
02144	J3106	65	J3106	08	16B	9	HC-15VDC	00		A07
02102	J3106	08	J3106	45	16B	9	HC-15VDC	01		
02103	J3106	45	J3106	46	16B	9	HC-15VDC	02		
02104	J3106	46	J3106	73	16B	9	HC-15VDC	03		
02105	J3106	73	J3119	08	16B	9	HC-15VDC	04		
00827	J3119	08	J3119	45	16B	9	HC-15VDC	05		
00828	J3119	45	J3119	46	16B	9	HC-15VDC	06		
02106	J3119	46	J3119	73	16B	9	HC-15VDC	07		
00829	J3119	73			16B	9	HC-15VDC	08		
00830	J3107	06	J3108	06	16B	9	HC-5VDC	01		
00831	J3108	06	J3109	06	16B	9	HC-5VDC	02		
00832	J3109	06	J3110	06	16B	9	HC-5VDC	03		
00833	J3110	06	J3111	06	16B	9	HC-5VDC	04		
00834	J3111	06	J3112	06	16B	9	HC-5VDC	05		
00835	J3112	06	J3113	06	16B	9	HC-5VDC	06		
00836	J3113	06	J3114	06	16B	9	HC-5VDC	07		
00837	J3114	06	J3115	06	16B	9	HC-5VDC	08		
00838	J3115	06	J3116	06	16B	9	HC-5VDC	09		
00839	J3116	06	J3117	06	16B	9	HC-5VDC	10		
00840	J3117	06	J3118	06	16B	9	HC-5VDC	11		
00841	J3118	06	J3119	51	16B	9	HC-5VDC	12		
00842	J3119	51			16B	9	HC-5VDC	13		
00843	J3107	78	J3120	08	16B	9	HCAD00	01	LD10	
00844	J3120	08	J3120	38	16B	9	HCAD00	02	AD70	
00845	J3120	38	J3120	60	16B	9	HCAD00	03	AD0	
00846	J3120	60	J3121	08	16B	9	HCAD00	04	AD50	
00847	J3121	08	J3121	38	16B	9	HCAD00	05	AD70	
00848	J3121	38	J3121	60	16B	9	HCAD00	06	AD0	
00849	J3121	60	J3122	08	16B	9	HCAD00	07	AD50	
00850	J3122	08	J3122	38	16B	9	HCAD00	08	AD70	
00851	J3122	38	J3122	60	16B	9	HCAD00	09	AD0	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453 REV E
FILE IDENT TS05CRAA DATE 08-31-82

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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00852		J3122	60			J3123	08			16B	9			HCAD00	10									AD50	
00853		J3123	08			J3123	38			16B	9			HCAD00	11									AD70	
00854		J3123	38			J3123	60			16B	9			HCAD00	12									AD0	
00855		J3123	60			J3124	38			16B	9			HCAD00	13									AD50	
00856		J3124	38			J3124	60			16B	9			HCAD00	14									AD0	
00857		J3124	60			J3125	38			16B	9			HCAD00	15									AD50	
00858		J3125	38			J3125	60			16B	9			HCAD00	16									AD0	
00859		J3125	60			J3126	38			16B	9			HCAD00	17									AD50	
00860		J3126	38			J3126	60			16B	9			HCAD00	18									AD0	
00861		J3126	60			J3127	38			16B	9			HCAD00	19									AD50	
00862		J3127	38			J3127	60			16B	9			HCAD00	20									AD0	
00863		J3127	60							16B	9			HCAD00	21									AD50	
00864		J3108	78			J3120	09			16B	9			HCAD10	01									LD10	
00865		J3120	09			J3120	35			16B	9			HCAD10	02									AD71	
00866		J3120	35			J3120	61			16B	9			HCAD10	03									AD1	
00867		J3120	61			J3121	09			16B	9			HCAD10	04									AD51	
00868		J3121	09			J3121	35			16B	9			HCAD10	05									AD71	
00869		J3121	35			J3121	61			16B	9			HCAD10	06									AD1	
00870		J3121	61			J3122	09			16B	9			HCAD10	07									AD51	
00871		J3122	09			J3122	35			16B	9			HCAD10	08									AD71	
00872		J3122	35			J3122	61			16B	9			HCAD10	09									AD1	
00873		J3122	61			J3123	09			16B	9			HCAD10	10									AD51	
00874		J3123	09			J3123	35			16B	9			HCAD10	11									AD71	
00875		J3123	35			J3123	61			16B	9			HCAD10	12									AD1	
00876		J3123	61			J3124	35			16B	9			HCAD10	13									AD51	
00877		J3124	35			J3124	61			16B	9			HCAD10	14									AD1	
00878		J3124	61			J3125	35			16B	9			HCAD10	15									AD51	
00879		J3125	35			J3125	61			16B	9			HCAD10	16									AD1	
00880		J3125	61			J3126	35			16B	9			HCAD10	17									AD51	
00881		J3126	35			J3126	61			16B	9			HCAD10	18									AD1	
00882		J3126	61			J3127	35			16B	9			HCAD10	19									AD51	
00883		J3127	35			J3127	61			16B	9			HCAD10	20									AD1	
00884		J3127	61							16B	9			HCAD10	21									AD51	
00885		J3109	78			J3120	10			16B	9			HCAD20	01									LD10	
00886		J3120	10			J3120	39			16B	9			HCAD20	02									AD72	
00887		J3120	39			J3120	62			16B	9			HCAD20	03									AD2	
00888		J3120	62			J3121	10			16B	9			HCAD20	04									AD52	
00889		J3121	10			J3121	39			16B	9			HCAD20	05									AD72	
00890		J3121	39			J3121	62			16B	9			HCAD20	06									AD2	
00891		J3121	62			J3122	10			16B	9			HCAD20	07									AD52	
00892		J3122	10			J3122	39			16B	9			HCAD20	08									AD72	
00893		J3122	39			J3122	62			16B	9			HCAD20	09									AD2	
00894		J3122	62			J3123	10			16B	9			HCAD20	10									AD52	
00895		J3123	10			J3123	39			16B	9			HCAD20	11									AD72	
00896		J3123	39			J3123	62			16B	9			HCAD20	12									AD2	
00897		J3123	62			J3124	39			16B	9			HCAD20	13									AD52	
00898		J3124	39			J3124	62			16B	9			HCAD20	14									AD2	
00899		J3124	62			J3125	39			16B	9			HCAD20	15									AD52	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA

REV E
DATE 08-31-82

INDEX HCAD20
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00900		J3125	39			J3125	62			168	9			HCAD20	16									AD2	
00901		J3125	62			J3126	39			168	9			HCAD20	17									AD52	
00902		J3126	39			J3126	62			168	9			HCAD20	18									AD2	
00903		J3126	62			J3127	39			168	9			HCAD20	19									AD52	
00904		J3127	39			J3127	62			168	9			HCAD20	20									AD2	
00905		J3127	62							168	9			HCAD20	21									AD52	
00906		J3110	78			J3120	18			168	9			HCAD30	01									LD10	
00907		J3120	18			J3120	36			168	9			HCAD30	02									AD73	
00908		J3120	36			J3120	64			168	9			HCAD30	03									AD3	
00909		J3120	64			J3121	18			168	9			HCAD30	04									AD53	
00910		J3121	18			J3121	36			168	9			HCAD30	05									AD73	
00911		J3121	36			J3121	64			168	9			HCAD30	06									AD3	
00912		J3121	64			J3122	18			168	9			HCAD30	07									AD53	
00913		J3122	18			J3122	36			168	9			HCAD30	08									AD73	
00914		J3122	36			J3122	64			168	9			HCAD30	09									AD3	
00915		J3122	64			J3123	18			168	9			HCAD30	10									AD53	
00916		J3123	18			J3123	36			168	9			HCAD30	11									AD73	
00917		J3123	36			J3123	64			168	9			HCAD30	12									AD3	
00918		J3123	64			J3124	36			168	9			HCAD30	13									AD53	
00919		J3124	36			J3124	64			168	9			HCAD30	14									AD3	
00920		J3124	64			J3125	36			168	9			HCAD30	15									AD53	
00921		J3125	36			J3125	64			168	9			HCAD30	16									AD3	
00922		J3125	64			J3126	36			168	9			HCAD30	17									AD53	
00923		J3126	36			J3126	64			168	9			HCAD30	18									AD3	
00924		J3126	64			J3127	36			168	9			HCAD30	19									AD53	
00925		J3127	36			J3127	64			168	9			HCAD30	20									AD3	
00926		J3127	64							168	9			HCAD30	21									AD53	
00927		J3111	78			J3120	23			168	9			HCAD40	01									LD10	
00928		J3120	23			J3120	40			168	9			HCAD40	02									AD74	
00929		J3120	40			J3120	70			168	9			HCAD40	03									AD4	
00930		J3120	70			J3121	23			168	9			HCAD40	04									AD54	
00931		J3121	23			J3121	40			168	9			HCAD40	05									AD74	
00932		J3121	40			J3121	70			168	9			HCAD40	06									AD4	
00933		J3121	70			J3122	23			168	9			HCAD40	07									AD54	
00934		J3122	23			J3122	40			168	9			HCAD40	08									AD74	
00935		J3122	40			J3122	70			168	9			HCAD40	09									AD4	
00936		J3122	70			J3123	23			168	9			HCAD40	10									AD54	
00937		J3123	23			J3123	40			168	9			HCAD40	11									AD74	
00938		J3123	40			J3123	70			168	9			HCAD40	12									AD4	
00939		J3123	70			J3124	40			168	9			HCAD40	13									AD54	
00940		J3124	40			J3124	70			168	9			HCAD40	14									AD4	
00941		J3124	70			J3125	40			168	9			HCAD40	15									AD54	
00942		J3125	40			J3125	70			168	9			HCAD40	16									AD4	
00943		J3125	70			J3126	40			168	9			HCAD40	17									AD54	
00944		J3126	40			J3126	70			168	9			HCAD40	18									AD4	
00945		J3126	70			J3127	40			168	9			HCAD40	19									AD54	
00946		J3127	40			J3127	70			168	9			HCAD40	20									AD4	
00947		J3127	70							168	9			HCAD40	21									AD54	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA
REV E
DATE 08-31-82
INDEX HCAD40
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00948		J3112	78			J3120	24			16B	9			HCAD50	01									LD10	
00949		J3120	24			J3120	37			16B	9			HCAD50	02									AD75	
00950		J3120	37			J3120	72			16B	9			HCAD50	03									AD5	
00951		J3120	72			J3121	24			16B	9			HCAD50	04									AD55	
00952		J3121	24			J3121	37			16B	9			HCAD50	05									AD75	
00953		J3121	37			J3121	72			16B	9			HCAD50	06									AD5	
00954		J3121	72			J3122	24			16B	9			HCAD50	07									AD55	
00955		J3122	24			J3122	37			16B	9			HCAD50	08									AD75	
00956		J3122	37			J3122	72			16B	9			HCAD50	09									AD5	
00957		J3122	72			J3123	24			16B	9			HCAD50	10									AD55	
00958		J3123	24			J3123	37			16B	9			HCAD50	11									AD75	
00959		J3123	37			J3123	72			16B	9			HCAD50	12									AD5	
00960		J3123	72			J3124	37			16B	9			HCAD50	13									AD55	
00961		J3124	37			J3124	72			16B	9			HCAD50	14									AD5	
00962		J3124	72			J3125	37			16B	9			HCAD50	15									AD55	
00963		J3125	37			J3125	72			16B	9			HCAD50	16									AD5	
00964		J3125	72			J3126	37			16B	9			HCAD50	17									AD55	
00965		J3126	37			J3126	72			16B	9			HCAD50	18									AD5	
00966		J3126	72			J3127	37			16B	9			HCAD50	19									AD55	
00967		J3127	37			J3127	72			16B	9			HCAD50	20									AD5	
00968		J3127	72							16B	9			HCAD50	21									AD55	
00048		J3111	52			J3118	52			16B	9			HCCH10	01									LO-CHIPA	A02
00066		J3118	52			J3124	01			16B	9			HCCH10	02									LO=CHIPA	A02
01042		J3124	01							16B	9			HCCH10	03									B70	A02
01979		J3113	75			J3114	75			16B	9			HCCH20	01									LD212	A02
01981		J3114	75			J3124	03			16B	9			HCCH20	02									LD212	A02
01044		J3124	03							16B	9			HCCH20	03									B71	A02
00042		J3109	52			J3113	52			16B	9			HCCH30	01									LO=CHIPA	A02
01041		J3113	52			J3115	52			16B	9			HCCH30	02									LO=CHIPA	A02
01043		J3115	52			J3117	52			16B	9			HCCH30	03									LO=CHIPA	A02
01045		J3117	52			J3124	04			16B	9			HCCH30	04									LO=CHIPA	A02
01046		J3124	04							16B	9			HCCH30	05									B72	A02
02017		J3107	63			J3107	64			16B	9			HCCR1A	01									CRA	A02
01054		J3107	64			J3108	63			16B	9			HCCR1A	02									LATCH1IN	A02
02020		J3108	63			J3109	62			16B	9			HCCR1A	03									CRA	A02
01058		J3109	62							16B	9			HCCR1A	04									CRB	A02
01057		J3107	61			J3109	63			16B	9			HCCR2A	01									LATCH2IN	A02
01056		J3109	63			J3110	63			16B	9			HCCR2A	02									CRA	A02
02025		J3110	63			J3111	62			16B	9			HCCR2A	03									CRB	A02
01062		J3111	62			J3112	62			16B	9			HCCR2A	04									CRA	A02
01063		J3112	62							16B	9			HCCR2A	05									CRA	A02
01061		J3108	64			J3110	62			16B	9			HCCR3A	01									LATCH1IN	A02

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DRAWING NUMBER WL10281453 | STRING | UNIT ASSEMBLY NO. 10281453 | REV E | INDEX HCCR3A

UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | FILE IDENT TSQ5CRAA | DATE 08-31-82 | PAGE 29

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO PREFIX	TO CONNECTOR	TO PIN	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SIGNAL	SEQ NO	EQUATION	TERM	CKT OR TYPE	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01059		J3110	62		J3111	63		16B	9		HCCR3A	02							CRA	A02
01060		J3111	63		J3112	63		16B	9		HCCR3A	022							CRB	A02
02030		J3112	63		J3113	62		16B	9		HCCR3A	03							CRB	A02
01066		J3113	62		J3114	62		16B	9		HCCR3A	04							CRA	A02
01067		J3114	62					16B	9		HCCR3A	05							CRA	A02
01065		J3108	61		J3113	63		16B	9		HCCR4A	01							LATCH2IN	A02
01064		J3113	63		J3114	63		16B	9		HCCR4A	02							CRB	A02
02035		J3114	63		J3115	62		16B	9		HCCR4A	03							CRB	A02
01071		J3115	62		J3116	62		16B	9		HCCR4A	04							CRA	A02
01072		J3116	62					16B	9		HCCR4A	05							CRA	A02
01070		J3109	64		J3115	63		16B	9		HCCR5A	01							LATCH1IN	A02
01068		J3115	63		J3116	63		16B	9		HCCR5A	02							CRB	A02
01069		J3116	63		J3117	62		16B	9		HCCR5A	03							CRB	A02
01076		J3117	62		J3118	62		16B	9		HCCR5A	04							CRA	A02
01077		J3118	62					16B	9		HCCR5A	05							CRA	A02
01075		J3109	61		J3117	63		16B	9		HCCR6A	01							LATCH2IN	A02
01073		J3117	63		J3118	63		16B	9		HCCR6A	02							CRB	A02
01074		J3118	63					16B	9		HCCR6A	03							CRB	A02
02132		J3106	31		J3106	28		16B	9		HCC5VDC8	01								A07
02176		J3106	28		J3106	55		16B	9		HCC5VDC8	02								A07
02138		J3106	55					16B	9		HCC5VDC8	03								A07
01080		J3120	01		J3120	13		16B	9		HCD000	03							B70	
01081		J3120	13		J3120	46		16B	9		HCD000	04							B40	
01082		J3120	46		J3120	49		16B	9		HCD000	05							B50	
01083		J3120	49		J3120	59		16B	9		HCD000	06							B60	
01084		J3120	59		J3126	49		16B	9		HCD000	07							B0	
01085		J3126	49					16B	9		HCD000	08							B60	
01088		J3120	03		J3120	11		16B	9		HCD010	03							B71	
01089		J3120	11		J3120	47		16B	9		HCD010	04							B41	
01090		J3120	47		J3120	50		16B	9		HCD010	05							B51	
01091		J3120	50		J3120	57		16B	9		HCD010	06							B61	
01092		J3120	57		J3126	50		16B	9		HCD010	07							B1	
01093		J3126	50					16B	9		HCD010	08							B61	
01096		J3120	04		J3120	15		16B	9		HCD020	03							B72	
01097		J3120	15		J3120	51		16B	9		HCD020	04							B42	
01098		J3120	51		J3120	56		16B	9		HCD020	05							B62	
01099		J3120	56		J3120	74		16B	9		HCD020	06							B2	
01100		J3120	74		J3126	51		16B	9		HCD020	07							B52	
01101		J3126	51					16B	9		HCD020	08							B62	
01104		J3120	05		J3120	14		16B	9		HCD030	03							B73	
01105		J3120	14		J3120	52		16B	9		HCD030	04							B43	
01106		J3120	52		J3120	55		16B	9		HCD030	05							B63	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453 REV E INDEX HCD030
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 30

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01107		J3120	55			J3120	75			16B	9			HCD030	06									B3	
01108		J3120	75			J3126	52			16B	9			HCD030	07									B53	
01109		J3126	52							16B	9			HCD030	08									B63	
01112		J3120	06			J3120	22			16B	9			HCD040	03									B74	
01113		J3120	22			J3120	53			16B	9			HCD040	04									B44	
01114		J3120	53			J3120	65			16B	9			HCD040	05									B64	
01115		J3120	65			J3120	76			16B	9			HCD040	06									B4	
01116		J3120	76			J3126	53			16B	9			HCD040	07									B54	
01117		J3126	53							16B	9			HCD040	08									B64	
01120		J3120	07			J3120	19			16B	9			HCD050	03									B75	
01121		J3120	19			J3120	54			16B	9			HCD050	04									B45	
01122		J3120	54			J3120	66			16B	9			HCD050	05									B65	
01123		J3120	66			J3120	77			16B	9			HCD050	06									B5	
01124		J3120	77			J3126	54			16B	9			HCD050	07									B55	
01125		J3126	54							16B	9			HCD050	08									B65	
01128		J3120	21			J3120	25			16B	9			HCD060	03									B46	
01129		J3120	25			J3120	68			16B	9			HCD060	04									B76	
01130		J3120	68			J3120	71			16B	9			HCD060	05									B6	
01131		J3120	71			J3120	78			16B	9			HCD060	06									B66	
01132		J3120	78			J3126	71			16B	9			HCD060	07									B56	
01133		J3126	71							16B	9			HCD060	08									B66	
01136		J3120	20			J3120	26			16B	9			HCD070	03									B47	
01137		J3120	26			J3120	69			16B	9			HCD070	04									B77	
01138		J3120	69			J3120	73			16B	9			HCD070	05									B7	
01139		J3120	73			J3120	79			16B	9			HCD070	06									B67	
01140		J3120	79			J3126	73			16B	9			HCD070	07									B57	
01141		J3126	73							16B	9			HCD070	08									B67	
01144		J3121	01			J3121	13			16B	9			HCD080	03									B70	
01145		J3121	13			J3121	46			16B	9			HCD080	04									B40	
01146		J3121	46			J3121	49			16B	9			HCD080	05									B50	
01147		J3121	49			J3121	59			16B	9			HCD080	06									B60	
01148		J3121	59			J3127	46			16B	9			HCD080	07									B0	
01149		J3127	46							16B	9			HCD080	08									B50	
01152		J3121	03			J3121	11			16B	9			HCD090	03									B71	
01153		J3121	11			J3121	47			16B	9			HCD090	04									B41	
01154		J3121	47			J3121	50			16B	9			HCD090	05									B51	
01155		J3121	50			J3121	57			16B	9			HCD090	06									B61	
01156		J3121	57			J3127	47			16B	9			HCD090	07									B1	
01157		J3127	47							16B	9			HCD090	08									B51	
01160		J3121	04			J3121	15			16B	9			HCD100	03									B72	
01161		J3121	15			J3121	51			16B	9			HCD100	04									B42	
01162		J3121	51			J3121	56			16B	9			HCD100	05									B62	
01163		J3121	56			J3121	74			16B	9			HCD100	06									B2	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA
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DATE 08-31-82
INDEX HCD100
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01164		J3121	74			J3127	74			16B	9			HCD100	07									B52	
01165		J3127	74							16B	9			HCD100	08									B52	
01168		J3121	05			J3121	14			16B	9			HCD110	03									B73	
01169		J3121	14			J3121	52			16B	9			HCD110	04									B43	
01170		J3121	52			J3121	55			16B	9			HCD110	05									B63	
01171		J3121	55			J3121	75			16B	9			HCD110	06									B3	
01172		J3121	75			J3127	75			16B	9			HCD110	07									B53	
01173		J3127	75							16B	9			HCD110	08									B53	
01176		J3121	06			J3121	22			16B	9			HCD120	03									B74	
01177		J3121	22			J3121	53			16B	9			HCD120	04									B44	
01178		J3121	53			J3121	65			16B	9			HCD120	05									B64	
01179		J3121	65			J3121	76			16B	9			HCD120	06									B4	
01180		J3121	76			J3127	76			16B	9			HCD120	07									B54	
01181		J3127	76							16B	9			HCD120	08									B54	
01184		J3121	07			J3121	19			16B	9			HCD130	03									B75	
01185		J3121	19			J3121	54			16B	9			HCD130	04									B45	
01186		J3121	54			J3121	66			16B	9			HCD130	05									B65	
01187		J3121	66			J3121	77			16B	9			HCD130	06									B5	
01188		J3121	77			J3127	77			16B	9			HCD130	07									B55	
01189		J3127	77							16B	9			HCD130	08									B55	
01192		J3121	21			J3121	25			16B	9			HCD140	03									B46	
01193		J3121	25			J3121	68			16B	9			HCD140	04									B76	
01194		J3121	68			J3121	71			16B	9			HCD140	05									B6	
01195		J3121	71			J3121	78			16B	9			HCD140	06									B66	
01196		J3121	78			J3127	78			16B	9			HCD140	07									B56	
01197		J3127	78							16B	9			HCD140	08									B56	
01200		J3121	20			J3121	26			16B	9			HCD150	03									B47	
01201		J3121	26			J3121	69			16B	9			HCD150	04									B77	
01202		J3121	69			J3121	73			16B	9			HCD150	05									B7	
01203		J3121	73			J3121	79			16B	9			HCD150	06									B67	
01204		J3121	79			J3127	79			16B	9			HCD150	07									B57	
01205		J3127	79							16B	9			HCD150	08									B57	
01208		J3122	01			J3122	13			16B	9			HCD160	03									B70	
01209		J3122	13			J3122	46			16B	9			HCD160	04									B40	
01210		J3122	46			J3122	49			16B	9			HCD160	05									B50	
01211		J3122	49			J3122	59			16B	9			HCD160	06									B60	
01212		J3122	59			J3127	49			16B	9			HCD160	07									B0	
01213		J3127	49							16B	9			HCD160	08									B60	
01216		J3122	03			J3122	11			16B	9			HCD170	03									B71	
01217		J3122	11			J3122	47			16B	9			HCD170	04									B41	
01218		J3122	47			J3122	50			16B	9			HCD170	05									B51	
01219		J3122	50			J3122	57			16B	9			HCD170	06									B61	
01220		J3122	57			J3127	50			16B	9			HCD170	07									B1	
									****		SIGNAL			HCD170)		IS ON THE NEXT PAGE ****									

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

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UNIT ASSEMBLY NO 10281453
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INDEX HCD170
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01221		J3127	50							16B	9			HCD170	08									B61	
01224		J3122	04			J3122	15			16B	9			HCD180	03									B72	
01225		J3122	15			J3122	51			16B	9			HCD180	04									B42	
01226		J3122	51			J3122	56			16B	9			HCD180	05									B62	
01227		J3122	56			J3122	74			16B	9			HCD180	06									B2	
01228		J3122	74			J3127	51			16B	9			HCD180	07									B52	
01229		J3127	51							16B	9			HCD180	08									B62	
01232		J3122	05			J3122	14			16B	9			HCD190	03									B73	
01233		J3122	14			J3122	52			16B	9			HCD190	04									B43	
01234		J3122	52			J3122	55			16B	9			HCD190	05									B63	
01235		J3122	55			J3122	75			16B	9			HCD190	06									B3	
01236		J3122	75			J3127	52			16B	9			HCD190	07									B53	
01237		J3127	52							16B	9			HCD190	08									B63	
01240		J3122	06			J3122	22			16B	9			HCD200	03									B74	
01241		J3122	22			J3122	53			16B	9			HCD200	04									B44	
01242		J3122	53			J3122	65			16B	9			HCD200	05									B64	
01243		J3122	65			J3122	76			16B	9			HCD200	06									B4	
01244		J3122	76			J3127	53			16B	9			HCD200	07									B54	
01245		J3127	53							16B	9			HCD200	08									B64	
01248		J3122	07			J3122	19			16B	9			HCD210	03									B75	
01249		J3122	19			J3122	54			16B	9			HCD210	04									B45	
01250		J3122	54			J3122	66			16B	9			HCD210	05									B65	
01251		J3122	66			J3122	77			16B	9			HCD210	06									B5	
01252		J3122	77			J3127	54			16B	9			HCD210	07									B55	
01253		J3127	54							16B	9			HCD210	08									B65	
01256		J3122	21			J3122	25			16B	9			HCD220	03									B46	
01257		J3122	25			J3122	68			16B	9			HCD220	04									B76	
01258		J3122	68			J3122	71			16B	9			HCD220	05									B6	
01259		J3122	71			J3122	78			16B	9			HCD220	06									B66	
01260		J3122	78			J3127	71			16B	9			HCD220	07									B56	
01261		J3127	71							16B	9			HCD220	08									B66	
01264		J3122	20			J3122	26			16B	9			HCD230	03									B47	
01265		J3122	26			J3122	69			16B	9			HCD230	04									B77	
01266		J3122	69			J3122	73			16B	9			HCD230	05									B7	
01267		J3122	73			J3122	79			16B	9			HCD230	06									B67	
01268		J3122	79			J3127	73			16B	9			HCD230	07									B57	
01269		J3127	73							16B	9			HCD230	08									B67	
01272		J3123	01			J3123	13			16B	9			HCD240	03									B70	
01273		J3123	13			J3123	46			16B	9			HCD240	04									B40	
01274		J3123	46			J3123	49			16B	9			HCD240	05									B50	
01275		J3123	49			J3123	59			16B	9			HCD240	06									B60	
01276		J3123	59							16B	9			HCD240	07									B0	

**** SIGNAL (HCD250) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO 10281453 REV E INDEX HCD250
FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 33

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	IDENT		SIGNAL	SEQ NO	EQUATION			CAT OR CHIP TYPE	SPOA	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01279		J3123	03			J3123	11			16B	9			HCD250	03									B71	
01280		J3123	11			J3123	47			16B	9			HCD250	04									B41	
01281		J3123	47			J3123	50			16B	9			HCD250	05									B51	
01282		J3123	50			J3123	57			16B	9			HCD250	06									B61	
01283		J3123	57							16B	9			HCD250	07									B1	
01286		J3123	04			J3123	15			16B	9			HCD260	03									B72	
01287		J3123	15			J3123	51			16B	9			HCD260	04									B42	
01288		J3123	51			J3123	56			16B	9			HCD260	05									B62	
01289		J3123	56			J3123	74			16B	9			HCD260	06									B2	
01290		J3123	74							16B	9			HCD260	07									B52	
01293		J3123	05			J3123	14			16B	9			HCD270	03									B73	
01294		J3123	14			J3123	52			16B	9			HCD270	04									B43	
01295		J3123	52			J3123	55			16B	9			HCD270	05									B63	
01296		J3123	55			J3123	75			16B	9			HCD270	06									B3	
01297		J3123	75							16B	9			HCD270	07									B53	
01300		J3123	06			J3123	22			16B	9			HCD280	03									B74	
01301		J3123	22			J3123	53			16B	9			HCD280	04									B44	
01302		J3123	53			J3123	65			16B	9			HCD280	05									B64	
01303		J3123	65			J3123	76			16B	9			HCD280	06									B4	
01304		J3123	76							16B	9			HCD280	07									B54	
01307		J3123	07			J3123	19			16B	9			HCD290	03									B75	
01308		J3123	19			J3123	54			16B	9			HCD290	04									B45	
01309		J3123	54			J3123	66			16B	9			HCD290	05									B65	
01310		J3123	66			J3123	77			16B	9			HCD290	06									B5	
01311		J3123	77							16B	9			HCD290	07									B55	
01314		J3123	21			J3123	25			16B	9			HCD300	03									B46	
01315		J3123	25			J3123	68			16B	9			HCD300	04									B76	
01316		J3123	68			J3123	71			16B	9			HCD300	05									B6	
01317		J3123	71			J3123	78			16B	9			HCD300	06									B66	
01318		J3123	78							16B	9			HCD300	07									B56	
01321		J3123	20			J3123	26			16B	9			HCD310	03									B47	
01322		J3123	26			J3123	69			16B	9			HCD310	04									B77	
01323		J3123	69			J3123	73			16B	9			HCD310	05									B7	
01324		J3123	73			J3123	79			16B	9			HCD310	06									B67	
01325		J3123	79							16B	9			HCD310	07									B57	
01328		J3124	13			J3124	46			16B	9			HCD320	03									B40	
01329		J3124	46			J3124	59			16B	9			HCD320	04									B50	
01330		J3124	59							16B	9			HCD320	05									B0	
01333		J3124	11			J3124	47			16B	9			HCD330	03									B41	
01334		J3124	47			J3124	57			16B	9			HCD330	04									B51	
01335		J3124	57							16B	9			HCD330	05									B1	

**** SIGNAL (HCD340) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453 REV E INDEX HCD340
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 34

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01338		J3124	15			J3124	56			16B	9			HCD340	03									B42	
01339		J3124	56			J3124	74			16B	9			HCD340	04									B2	
01340		J3124	74							16B	9			HCD340	05									B52	
01343		J3124	14			J3124	55			16B	9			HCD350	03									B43	
01344		J3124	55			J3124	75			16B	9			HCD350	04									B3	
01345		J3124	75							16B	9			HCD350	05									B53	
01348		J3124	22			J3124	65			16B	9			HCD360	03									B44	
01349		J3124	65			J3124	76			16B	9			HCD360	04									B4	
01350		J3124	76							16B	9			HCD360	05									B54	
01353		J3124	19			J3124	66			16B	9			HCD370	03									B45	
01354		J3124	66			J3124	77			16B	9			HCD370	04									B5	
01355		J3124	77							16B	9			HCD370	05									B55	
01358		J3124	21			J3124	68			16B	9			HCD380	03									B46	
01359		J3124	68			J3124	78			16B	9			HCD380	04									B6	
01360		J3124	78							16B	9			HCD380	05									B56	
01363		J3124	20			J3124	69			16B	9			HCD390	03									B47	
01364		J3124	69			J3124	79			16B	9			HCD390	04									B7	
01365		J3124	79							16B	9			HCD390	05									B57	
01368		J3125	13			J3125	46			16B	9			HCD400	03									B40	
01369		J3125	46			J3125	59			16B	9			HCD400	04									B50	
01370		J3125	59							16B	9			HCD400	05									B0	
01373		J3125	11			J3125	47			16B	9			HCD410	03									B41	
01374		J3125	47			J3125	57			16B	9			HCD410	04									B51	
01375		J3125	57							16B	9			HCD410	05									B1	
01378		J3125	15			J3125	56			16B	9			HCD420	03									B42	
01379		J3125	56			J3125	74			16B	9			HCD420	04									B2	
01380		J3125	74							16B	9			HCD420	05									B52	
01383		J3125	14			J3125	55			16B	9			HCD430	03									B43	
01384		J3125	55			J3125	75			16B	9			HCD430	04									B3	
01385		J3125	75							16B	9			HCD430	05									B53	
01388		J3125	22			J3125	65			16B	9			HCD440	03									B44	
01389		J3125	65			J3125	76			16B	9			HCD440	04									B4	
01390		J3125	76							16B	9			HCD440	05									B54	
01393		J3125	19			J3125	66			16B	9			HCD450	03									B45	
01394		J3125	66			J3125	77			16B	9			HCD450	04									B5	
01395		J3125	77							16B	9			HCD450	05									B55	
01398		J3125	21			J3125	68			16B	9			HCD460	03									B46	
01399		J3125	68			J3125	78			16B	9			HCD460	04									B6	

**** SIGNAL (HCD460) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453 REV E INDEX HCD460
FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 35

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01400		J3125	78							16B	9			HCD460	05									B56	
01403		J3125	20			J3125	69			16B	9			HCD470	03									B47	
01404		J3125	69			J3125	79			16B	9			HCD470	04									B7	
01405		J3125	79							16B	9			HCD470	05									B57	
01408		J3126	13			J3126	59			16B	9			HCD480	03									B40	
01409		J3126	59							16B	9			HCD480	04									B0	
01412		J3126	11			J3126	57			16B	9			HCD490	03									B41	
01413		J3126	57							16B	9			HCD490	04									B1	
01416		J3126	15			J3126	56			16B	9			HCD500	03									B42	
01417		J3126	56							16B	9			HCD500	04									B2	
01420		J3126	14			J3126	55			16B	9			HCD510	03									B43	
01421		J3126	55							16B	9			HCD510	04									B3	
01424		J3126	22			J3126	65			16B	9			HCD520	03									B44	
01425		J3126	65							16B	9			HCD520	04									B4	
01428		J3126	19			J3126	66			16B	9			HCD530	03									B45	
01429		J3126	66							16B	9			HCD530	04									B5	
01432		J3126	21			J3126	68			16B	9			HCD540	03									B46	
01433		J3126	68							16B	9			HCD540	04									B6	
01436		J3126	20			J3126	69			16B	9			HCD550	03									B47	
01437		J3126	69							16B	9			HCD550	04									B7	
01464		J3124	49			J3125	49			16B	9			HCD640	03									B60	
01465		J3125	49			J3126	46			16B	9			HCD640	04									B60	
01466		J3126	46			J3127	13			16B	9			HCD640	05									B50	
01467		J3127	13							16B	9			HCD640	06									B40	
01470		J3124	50			J3125	50			16B	9			HCD650	03									B61	
01471		J3125	50			J3126	47			16B	9			HCD650	04									B61	
01472		J3126	47			J3127	11			16B	9			HCD650	05									B51	
01473		J3127	11							16B	9			HCD650	06									B41	
01476		J3124	51			J3125	51			16B	9			HCD660	03									B62	
01477		J3125	51			J3126	74			16B	9			HCD660	04									B62	
01478		J3126	74			J3127	15			16B	9			HCD660	05									B52	
01479		J3127	15							16B	9			HCD660	06									B42	
01482		J3124	52			J3125	52			16B	9			HCD670	03									B63	
01483		J3125	52			J3126	75			16B	9			HCD670	04									B63	
01484		J3126	75			J3127	14			16B	9			HCD670	05									B53	
01485		J3127	14							16B	9			HCD670	06									B43	

**** SIGNAL (HCD680) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453 REV E INDEX HCD680
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 36

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01488		J3124	53			J3125	53			16B	9			HCD680	03									B64	
01489		J3125	53			J3126	76			16B	9			HCD680	04									B64	
01490		J3126	76			J3127	22			16B	9			HCD680	05									B54	
01491		J3127	22							16B	9			HCD680	06									B44	
01494		J3124	54			J3125	54			16B	9			HCD690	03									B65	
01495		J3125	54			J3126	77			16B	9			HCD690	04									B65	
01496		J3126	77			J3127	19			16B	9			HCD690	05									B55	
01497		J3127	19							16B	9			HCD690	06									B45	
01500		J3124	71			J3125	71			16B	9			HCD700	03									B66	
01501		J3125	71			J3126	78			16B	9			HCD700	04									B66	
01502		J3126	78			J3127	21			16B	9			HCD700	05									B56	
01503		J3127	21							16B	9			HCD700	06									B46	
01506		J3124	73			J3125	73			16B	9			HCD710	03									B67	
01507		J3125	73			J3126	79			16B	9			HCD710	04									B67	
01508		J3126	79			J3127	20			16B	9			HCD710	05									B57	
01509		J3127	20							16B	9			HCD710	06									B47	
02085		J3106	50			J3106	69			16B	9			HCFACD1	01									CNTYNTYRLY DRV	B01
02145		J3106	69			J3106	77			16B	9			HCFACD1	02										B01
02149		J3106	77							16B	9			HCFACD1	03										B01
00664		J3107	31			J3108	31			16B	9			HCFAGD1	02										A05
00665		J3108	31			J3109	31			16B	9			HCFAGD1	03										A05
00666		J3109	31			J3110	71			16B	9			HCFAGD1	04										A05
02026		J3110	71							16B	9			HCFAGD1	05										A05
01624		J3113	70			J3108	71			16B	9			HCFM10	01									ERRL1 EF071	
02171		J3108	71							16B	9			HCFM10	02										
02022		J3109	71			J3113	73			16B	9			HCFM20	01									LD20	
02172		J3113	73							16B	9			HCFM20	02										
01630		J3107	71			J3110	31			16B	9			HCFS1A	01									LD20	
01631		J3110	31			J3111	31			16B	9			HCFS1A	02									LATCHENBL	
01632		J3111	31			J3112	31			16B	9			HCFS1A	03									LATCHENBL	
01633		J3112	31			J3113	31			16B	9			HCFS1A	04									LATCHENBL	
01634		J3113	31			J3114	31			16B	9			HCFS1A	05									LATCHENBL	
01635		J3114	31			J3115	31			16B	9			HCFS1A	06									LATCHENBL	
01636		J3115	31							16B	9			HCFS1A	07									LATCHENBL	
01637		J3107	48			J3108	48			16B	9			HCF01A	01									FRAOUT	
01638		J3108	48			J3109	51			16B	9			HCF01A	02									FRAOUT	
01639		J3109	51			J3113	64			16B	9			HCF01A	03									FRBOUT	
01640		J3113	64							16B	9			HCF01A	04									LATCH1IN	
01641		J3109	48			J3110	48			16B	9			HCF02A	01									FRAOUT	
01642		J3110	48			J3111	51			16B	9			HCF02A	02									FRAOUT	

**** SIGNAL HCF02A) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | STRING | UNIT ASSEMBLY NO. 10281453 | FILE IDENT TSQ5CRAA | REV E | DATE 08-31-82 | INDEX HCF02A | PAGE 37

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	TWIST	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OF POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01643		J3111	51			J3112	51			16B	9			HCF02A	03									FRBOUT	A02
02029		J3112	51			J3113	61			16B	9			HCF02A	033									FRBOUT	A02
01644		J3113	61			J3113	71			16B	9			HCF02A	04									LATCH2IN	A02
02032		J3113	71							16B	9			HCF02A	05									LD20	A02
02024		J3110	51			J3111	48			16B	9			HCF03A	00									FRBOUT	A02
01645		J3111	48			J3112	48			16B	9			HCF03A	01									FRAOUT	
01646		J3112	48			J3113	51			16B	9			HCF03A	02									FRAOUT	
01647		J3113	51			J3114	51			16B	9			HCF03A	03									FRBOUT	A02
02034		J3114	51			J3114	64			16B	9			HCF03A	033									FRBOUT	A02
01648		J3114	64							16B	9			HCF03A	04									LATCH1IN	
01649		J3113	48			J3114	48			16B	9			HCF04A	01									FRAOUT	
01650		J3114	48			J3114	61			16B	9			HCF04A	02									FRAOUT	
01651		J3114	61			J3114	71			16B	9			HCF04A	03									LATCH2IN	A02
02036		J3114	71			J3115	51			16B	9			HCF04A	033									LD20	A02
01652		J3115	51			J3116	51			16B	9			HCF04A	04									FRBOUT	
01653		J3116	51							16B	9			HCF04A	05									FRBOUT	
01654		J3115	48			J3115	64			16B	9			HCF05A	01									FRAOUT	
01655		J3115	64			J3116	48			16B	9			HCF05A	02									LATCH1IN	
01656		J3116	48			J3117	51			16B	9			HCF05A	03									FRAOUT	
01657		J3117	51			J3118	51			16B	9			HCF05A	04									FRBOUT	
01658		J3118	51							16B	9			HCF05A	05									FRBOUT	
01659		J3115	61			J3117	48			16B	9			HCF06A	01									LATCH2IN	
01660		J3117	49			J3118	48			16B	9			HCF06A	02									FRAOUT	
01661		J3118	48							16B	9			HCF06A	03									FRAOUT	
00038		J3108	09			J3108	38			16B	9			HCF10A	01										A03
01556		J3108	38							16B	9			HCF10A	02										A03
01662		J3107	46			J3108	46			16B	9			HCF11A	01									FRAIN	
01663		J3108	46			J3109	49			16B	9			HCF11A	02									FRAIN	
01664		J3109	49			J3110	64			16B	9			HCF11A	03									FRBIN	
01665		J3110	64							16B	9			HCF11A	04									LATCH1IN	
01666		J3109	46			J3110	46			16B	9			HCF12A	01									FRAIN	
01667		J3110	46			J3110	61			16B	9			HCF12A	02									FRAIN	
01668		J3110	61			J3111	49			16B	9			HCF12A	03									LATCH2IN	
01669		J3111	49			J3112	49			16B	9			HCF12A	04									FRBIN	A02
02028		J3112	49							16B	9			HCF12A	05									FRBIN	A02
02023		J3110	49			J3111	46			16B	9			HCF13A	00									FRBIN	A02
01670		J3111	46			J3111	64			16B	9			HCF13A	01									FRAIN	
01671		J3111	64			J3112	46			16B	9			HCF13A	02									LATCH1IN	
01672		J3112	46			J3113	49			16B	9			HCF13A	03									FRAIN	
01673		J3113	49			J3114	49			16B	9			HCF13A	04									FRBIN	A02
02033		J3114	49							16B	9			HCF13A	05									FRBIN	A02

**** SIGNAL (HCF14A) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA
REV E
DATE 08-31-82
INDEX HCF14A
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01674		J3111	61			J3113	46			16B	9			HCF14A	01									LATCH2IN	
01675		J3113	46			J3114	46			16B	9			HCF14A	02									FRAIN	
01676		J3114	46			J3115	49			16B	9			HCF14A	03									FRAIN	
01677		J3115	49			J3116	49			16B	9			HCF14A	04									FRBIN	
01678		J3116	49							16B	9			HCF14A	05									FRBIN	
01679		J3112	64			J3115	46			16B	9			HCF15A	01									LATCH1IN	
01680		J3115	46			J3116	46			16B	9			HCF15A	02									FRAIN	
01681		J3116	46			J3117	49			16B	9			HCF15A	03									FRAIN	
01682		J3117	49			J3118	49			16B	9			HCF15A	04									FRBIN	
01683		J3118	49							16B	9			HCF15A	05									FRBIN	
01684		J3112	61			J3117	46			16B	9			HCF16A	01									LATCH2IN	
01685		J3117	46			J3118	46			16B	9			HCF16A	02									FRAIN	
01686		J3118	46							16B	9			HCF16A	03									FRAIN	
00044		J3110	09			J3110	38			16B	9			HCF22A	01										A03
01568		J3110	38							16B	9			HCF22A	02										A03
01581		J3112	60			J3112	72			16B	9			HCF629A	01									FR2	A02
01976		J3112	72			J3112	75			16B	9			HCF629A	02									LD211	A02
01977		J3112	75							16B	9			HCF629A	03									LD212	A02
02031		J3112	71			J3113	72			16B	9			HCF6290	01									LD20	A02
01978		J3113	72							16B	9			HCF6290	02									LD211	A02
02151		J3106	79			J3106	63			16B	9			HCGNPU	01										A07
02143		J3106	63							16B	9			HCGNPU	02										A07
00710		J3122	80			J3122	67			16B	9			HCGN1D	01									ENBL2	A06
02177		J3122	67							16B	9			HCGN1D	02										A06
00745		J3123	63			J3123	67			16B	9			HCGN2D	01									ENBL6	A06
02178		J3123	67							16B	9			HCGN2D	02										A06
00715		J3126	80			J3126	67			16B	9			HCGN3D	01									ENBL2	A06
02179		J3126	67							16B	9			HCGN3D	02										A06
00687		J3127	63			J3127	67			16B	9			HCGN4D	01									ENBL6	A06
02180		J3127	67							16B	9			HCGN4D	02										A06
02181		J3106	67			J3106	78			16B	9			HCGN5D	01										A07
02150		J3106	78							16B	9			HCGN5D	02										A07
00036		J3107	52			J3107	58			16B	9			HCG001	01									LO=CHIPA	A01
02182		J3107	58							16B	9			HCG001	02									LO=CHIPA	A01
00039		J3108	52			J3108	58			16B	9			HCG002	01									LO=CHIPA	A01
00098		J3108	58							16B	9			HCG002	02									LO=CHIPA	A01

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3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX HCG004
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPEC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00045		J3110	52			J3110	58			16B	9			HCG004	01									LO=CHIPA	A01
00110		J3110	58							16B	9			HCG004	02										A01
00051		J3112	52			J3112	58			16B	9			HCG006	01									LO=CHIPA	A01
02183		J3112	58							16B	9			HCG006	02										A01
00056		J3114	52			J3114	58			16B	9			HCG007	01									LO=CHIPA	A01
02184		J3114	58							16B	9			HCG007	02										A01
00061		J3116	52			J3116	58			16B	9			HCG008	01									LO=CHIPA	A01
02185		J3116	58							16B	9			HCG008	02										A01
01982		J3115	72			J3115	75			16B	9			HCH629A	02									LD211	A02
02080		J3115	75							16B	9			HCH629A	03									LD212	A02
01980		J3114	72			J3115	71			16B	9			HCH6290	01									LD211	A02
02037		J3115	71							16B	9			HCH6290	02									LD20	A02
01687		J3107	01			J3108	01			16B	9			HCID00	01									COMPIDB1	
01688		J3108	01			J3109	01			16B	9			HCID00	02									COMPIDB1	
01689		J3109	01			J3110	01			16B	9			HCID00	03									COMPIDB1	
01690		J3110	01			J3111	01			16B	9			HCID00	04									COMPIDB1	
01691		J3111	01			J3112	01			16B	9			HCID00	05									COMPIDB1	
01692		J3112	01			J3113	01			16B	9			HCID00	06									COMPIDB1	
01693		J3113	01			J3113	78			16B	9			HCID00	07									COMPIDB1	
01694		J3113	78			J3114	01			16B	9			HCID00	08									LD10	
01695		J3114	01			J3115	01			16B	9			HCID00	09									COMPIDB1	
01696		J3115	01			J3116	01			16B	9			HCID00	10									COMPIDB1	
01697		J3116	01			J3117	01			16B	9			HCID00	11									COMPIDB1	
01698		J3117	01			J3118	01			16B	9			HCID00	12									COMPIDB1	
01795		J3118	01			J3124	08			16B	9			HCID00	13									AD70	
02163		J3124	08							16B	9			HCID00	14										
01700		J3107	03			J3108	03			16B	9			HCID10	01									COMPIDB1	
01701		J3108	03			J3109	03			16B	9			HCID10	02									COMPIDB1	
01702		J3109	03			J3110	03			16B	9			HCID10	03									COMPIDB1	
01703		J3110	03			J3111	03			16B	9			HCID10	04									COMPIDB1	
01704		J3111	03			J3112	03			16B	9			HCID10	05									COMPIDB1	
01705		J3112	03			J3113	03			16B	9			HCID10	06									COMPIDB1	
01706		J3113	03			J3114	03			16B	9			HCID10	07									COMPIDB1	
01707		J3114	03			J3114	78			16B	9			HCID10	08									COMPIDB1	
01708		J3114	78			J3115	03			16B	9			HCID10	09									LD10	
01709		J3115	03			J3116	03			16B	9			HCID10	10									COMPIDB1	
01710		J3116	03			J3117	03			16B	9			HCID10	11									COMPIDB1	
01711		J3117	03			J3118	03			16B	9			HCID10	12									COMPIDB1	
01796		J3118	03			J3124	09			16B	9			HCID10	13									AD71	
02164		J3124	09							16B	9			HCID10	14										
01713		J3107	10			J3108	10			16B	9			HCID20	01									COMPIDB1	
01714		J3108	10			J3109	10			16B	9			HCID20	02									COMPIDB1	

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3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA
REV E
DATE 08-31-82
INDEX HCID20
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01715		J3109	10			J3110	10			16B	9			HCID20	03									COMPIDB1	
01716		J3110	10			J3111	10			16B	9			HCID20	04									COMPIDB1	
01717		J3111	10			J3112	10			16B	9			HCID20	05									COMPIDB1	
01718		J3112	10			J3113	10			16B	9			HCID20	06									COMPIDB1	
01719		J3113	10			J3114	10			16B	9			HCID20	07									COMPIDB1	
01720		J3114	10			J3115	10			16B	9			HCID20	08									COMPIDB1	
01721		J3115	10			J3115	78			16B	9			HCID20	09									COMPIDB1	
01722		J3115	78			J3116	10			16B	9			HCID20	10									LD10	
01723		J3116	10			J3117	10			16B	9			HCID20	11									COMPIDB1	
01724		J3117	10			J3118	10			16B	9			HCID20	12									COMPIDB1	
01797		J3118	10			J3124	10			16B	9			HCID20	13									AD72	
02165		J3124	10							16B	9			HCID20	14										
01726		J3107	07			J3108	07			16B	9			HCID30	01									COMPIDB1	
01727		J3108	07			J3109	07			16B	9			HCID30	02									COMPIDB1	
01728		J3109	07			J3110	07			16B	9			HCID30	03									COMPIDB1	
01729		J3110	07			J3111	07			16B	9			HCID30	04									COMPIDB1	
01730		J3111	07			J3112	07			16B	9			HCID30	05									COMPIDB1	
01731		J3112	07			J3113	07			16B	9			HCID30	06									COMPIDB1	
01732		J3113	07			J3114	07			16B	9			HCID30	07									COMPIDB1	
01733		J3114	07			J3115	07			16B	9			HCID30	08									COMPIDB1	
01734		J3115	07			J3116	07			16B	9			HCID30	09									COMPIDB1	
01735		J3116	07			J3116	78			16B	9			HCID30	10									COMPIDB1	
01736		J3116	78			J3117	07			16B	9			HCID30	11									LD10	
01737		J3117	07			J3118	07			16B	9			HCID30	12									COMPIDB1	
01798		J3118	07			J3124	18			16B	9			HCID30	13									AD73	
02166		J3124	18							16B	9			HCID30	14										
01739		J3107	08			J3108	08			16B	9			HCID40	01									COMPIDB1	
01740		J3108	08			J3109	08			16B	9			HCID40	02									COMPIDB1	
01741		J3109	08			J3110	08			16B	9			HCID40	03									COMPIDB1	
01742		J3110	08			J3111	08			16B	9			HCID40	04									COMPIDB1	
01743		J3111	08			J3112	08			16B	9			HCID40	05									COMPIDB1	
01744		J3112	08			J3113	08			16B	9			HCID40	06									COMPIDB1	
01745		J3113	08			J3114	08			16B	9			HCID40	07									COMPIDB1	
01746		J3114	08			J3115	08			16B	9			HCID40	08									COMPIDB1	
01747		J3115	08			J3116	08			16B	9			HCID40	09									COMPIDB1	
01748		J3116	08			J3117	08			16B	9			HCID40	10									COMPIDB1	
01749		J3117	08			J3117	78			16B	9			HCID40	11									COMPIDB1	
01750		J3117	78			J3118	08			16B	9			HCID40	12									LD10	
01799		J3118	08			J3124	23			16B	9			HCID40	13									AD74	
02167		J3124	23							16B	9			HCID40	14										
01752		J3107	05			J3108	05			16B	9			HCID50	01									COMPIDB1	
01753		J3108	05			J3109	05			16B	9			HCID50	02									COMPIDB1	
01754		J3109	05			J3110	05			16B	9			HCID50	03									COMPIDB1	
01755		J3110	05			J3111	05			16B	9			HCID50	04									COMPIDB1	
01756		J3111	05			J3112	05			16B	9			HCID50	05									COMPIDB1	
01757		J3112	05			J3113	05			16B	9			HCID50	06									COMPIDB1	
01758		J3113	05			J3114	05			16B	9			HCID50	07									COMPIDB1	

**** SIGNAL (HCID50) IS ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

STRING

UNIT ASSEMBLY NO. 10281453 REV E INDEX HCID50
FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 41

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO PREFIX	TO CONNECTOR	TO PIN	WIRE CODE	WIRE COLOR	SIGNAL	SEQ NO	SIGNAL DESCRIPTION	ECO NO
01759		J3114	05		J3115	05	16B	9	HCID50	08	COMPIDB1	
01760		J3115	05		J3116	05	16B	9	HCID50	09	COMPIDB1	
01761		J3116	05		J3117	05	16B	9	HCID50	10	COMPIDB1	
01762		J3117	05		J3118	05	16B	9	HCID50	11	COMPIDB1	
01763		J3118	05		J3118	78	16B	9	HCID50	12	COMPIDB1	
01800		J3118	78		J3124	24	16B	9	HCID50	13	AD75	
01764		J3124	24				16B	9	HCID50	14	LD10	
01770		J3118	72		J3119	60	16B	9	HCPU10	01	LD211	
01771		J3119	60				16B	9	HCPU10	02	UMBPU1HI	
01772		J3118	75		J3119	61	16B	9	HCPU20	01	LD212	
01773		J3119	61				16B	9	HCPU20	02	UMBPU2HI	
02109		J3106	35		J3119	77	16B	9	HCQIMTR	01		A06
02168		J3119	77				16B	9	HCQIMTR	02		A06
00078		J3119	72		J3106	37	16B	9	HCSC15M	01		A07
02110		J3106	37				16B	9	HCSC15M	02		A07
02175		J3106	38		J3106	61	16B	9	HCSP15M	01		A07
02141		J3106	61				16B	9	HCSP15M	02		A07
02124		J3106	14		J3106	53	16B	9	HCWAEO	01		A07
02137		J3106	53				16B	9	HCWAEO	02		A07
01793		J3119	11		J3119	12	16B	9	HC1+5V	01		
01794		J3119	12				16B	9	HC1+5V	02		
01804		J3119	27		J3119	28	16B	9	HC2+5V	01		
01805		J3119	28				16B	9	HC2+5V	02		
02114		J3106	01		J3106	02	16B	9	HC2GND	01		
02169		J3106	02		J3105	02	16B	9	HC2GND	02		A05
01801		J3105	02		J3104	02	16B	9	HC2GND	03		A05
01931		J3104	02		J3104	58	16B	9	HC2GND	04		A05
01937		J3104	58		J3105	58	16B	9	HC2GND	05		A05
01944		J3105	58				16B	9	HC2GND	06		B01
01813		J3119	25		J3119	32	16B	9	HC3GND	01		
01814		J3119	32				16B	9	HC3GND	02		
01815		J3119	01		J3119	02	16B	9	HC4GND	01		
01816		J3119	02				16B	9	HC4GND	02		
01819		J3119	57		J3119	58	16B	9	HC5GND	01		
01820		J3119	58				16B	9	HC5GND	02		
02115		J3106	57		J3106	58	16B	9	HC6GND	01		
02170		J3106	58				16B	9	HC6GND	02		

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CARD RACK ASSEMBLY- ANALOG
CONNECTOR WIRE LIST
WL10281453

NOTES: UNLESS OTHERWISE SPECIFIED

1. REFERENCE TO SHEET 3 FOR DEFINITION OF FIELDS.
2. REFERENCE TO SHEET 4 FOR CONFIGURATIONS OF SHIELD AND WIRE TERMINATIONS.
3. REFERENCE TO SHEET 5 OF STRING LIST FOR WIRE CODE DEFINITIONS.
4. REFERENCE TO SHEET 6 OF STRING LIST FOR WIRE PARTS LIST.
5. ALL ABBREVIATIONS PER MIL-STD-12.
6. THROUGHOUT THE BODY OF THIS DOCUMENT THE UNIT NAME IS REFERRED TO AS: MTS CARD RACK, ANALOG.
7. ALL 8XXXXX CONTROLLED NUMBERS ARE PREFIXED BY CODE IDENT "13973".
8. ECOs WILL BE WRITTEN SHOWING YELLOW HAND WIRE BEING USED FOR CHANGES TO AUTOMATIC WIRING. THESE SAME YELLOW WIRES WILL BE INCORPORATED AS WHITE AUTOMATIC WIRES AT THE NEXT DRAWING UPDATE.

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS

1. **Record Number**- A unique Data Processing number which associates all information pertaining to a wire "FROM" Connector, "TO" Connector, Wire Code, etc. This number is the wire ID when that field is blank.
2. **Prefix**- An assembly alphanumeric to be used when a wire terminates in two assemblies. This number will be the reference designation as required by USAS Y32.16-1968.
3. **Connector**- Any type of terminating point, plug, receptacle, etc. Designations are in accordance with USAS Y32. 16- 1 968.
4. **Pin**- Exact terminating point of the respective connector. Designations are unique:
   - A. SHXXXX indicates the junction of a shield and a pigtail, the four digits to the right are the wire identity of the shielded wire.
   - B. JCT indicates a common point of two or more shield pigtails.
   - C. Jacket: the terminology used when describing the line that defines the identification of a shielded wire.
5. **Sh Fg**- References a graphic representation showing how a shielded wire or coax is to be terminated. A number in this field indicates the level of automatic wire wrapping.
6. **Multi Group**- Associates wires of a group such as "twisted wire" or "shielded wire". Jacket, pigtails and center conductors will be shown as a common group.
7. **Wire Code**- A three-digit code for wire type and gage or bus bar.
8. **Wire Color**- Standard RETMA color code.
   - A. Base Stripe Tracer.
   - B. Stripe, Tracer 1 and Tracer 2 if the digit to the left is other than 9 and the two positions to the right are not blank and not equal. The Base Color is understood to be white.
9. **Wire Ident**- A number used for reference to differentiate one wire from another. This number will be used to identify the wire when specified in the wire list sleeve code field.
10. **Spc Inst**- A code which indicates that a wire must be given special attention as follows:
    - A. Direct routing, no service loops, no harnessing.
    - B. See general notes or instruction pages.
    - C See general notes or instruction pages.
    - D. See general notes or instruction pages.
    - E. See general notes or instruction pages.
    - F. See signal description.
    - G. This connection does not go directly to the "TO" connector, but intersects a line going to the "TO" connector.
    - H. See special routing page.
    - I. Junction point for multilayer laminated board (MLB) connection.
    - J. Denotes a bus reference point.
    - K. Blank out "TO" connector and pin.
    - L. Will cause a signal name of three characters or less to be entered in the string list.
    - M. Will cause a record to be omitted from the string list. (This record will print in the connector list.)
    - N. Will suppress printing the wire identity in the harness string and double entry list.
    - P. Will cause the equation to be used as the signal name for sorting purposes only in the string list.

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS-Continued

Q. Will cause an equation record to be omitted from logic listing.

R. Will suppress printing the "FROM/TO" pin number in the string and connector lists.

S. Do not move record number to the ident field for an ADD transaction in the harness string and double entry only. (Use only when adding a file.) T. Twist wire code.

U. Not available.

V. See general notes or instruction pages.

W. Fixed wire length submitted.

X. Sequence of string is to be left as is.

Y. See general notes or instruction pages.

Z. Will suppress printing of the "FROM" pin.

10. **Misc**- Unless otherwise noted, the number 1 indicates a pre-wired connector.

11. **Signal**- An alphanumeric signal name, mnemonic where feasible, which identifies one specific function from another. SPP- Denotes an available termination.

SPF- Denotes an unwired termination which has an assigned function.

SPW- Denotes a non-functional wire which is terminated at one or both ends.

SPO- Denotes a spare output of a circuit.

DNW- Indicates that a termination may not be wired.

SPA- Denotes an unassigned circuit, as one of a group on a printed circuit board.

SPI- Denotes a spare input of a circuit.

SPG- Denotes an unassigned logic gate, as one of a group on a printed circuit board.

SPR- Denotes a spare resistor.

SPD- Denotes an unassigned input diode of an assigned logic gate.

12. **Seq No.**- A number which, in conjunction with SIGNAL, allows a signal string to be consistently printed in a given order.

13. **Equation**- A mnemonic name assigned to each gate of an element.

14. **Term**- An "OR" function composed of one or more factors.

15. **Factor**- A specific input to a logical gate or active element.

16. **Ckt or Chip Type**- Denotes a specific circuit board type.

17. **Group**- Denotes a specific circuit on a printed circuit board.

18. **Load or Power Plane**- Denotes the current draw in milliamps by a specific circuit or voltage.

19. **AND Ted Point**- Denotes the input test point for a specific circuit on a printed circuit board.

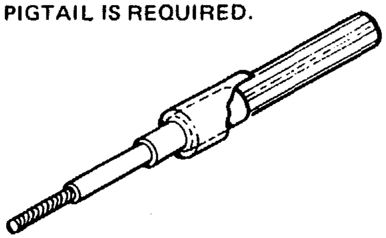
20. **OR Test Point-** Denotes the output test point for a specific circuit on a circuit board.

21. **Signal Description**- A written description or name of a signal or voltage.

22. **ECO No**.- A letter number combination to show the Engineering Change Order level of that particular wire list record.

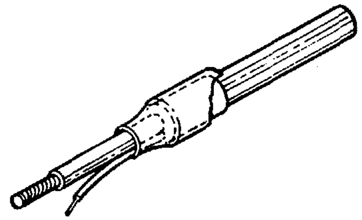
SHIELD FIGURE A

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, NO PIGTAIL IS REQUIRED.



SHIELD FIGURE B

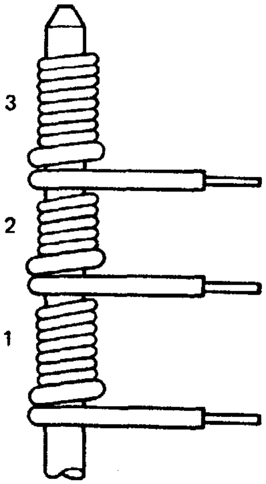
SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, FRONT PIGTAIL IS REQUIRED.



SHIELD FIGURE NO. 3

SHIELD FIGURE NO. 2

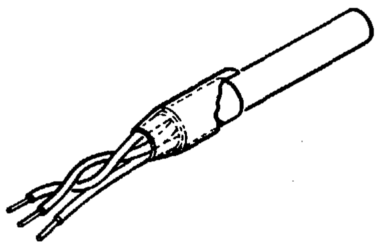
SHIELD FIGURE NO. 1



SHIELD FIGURE NUMBER INDICATES LEVEL OF WIRE WRAP

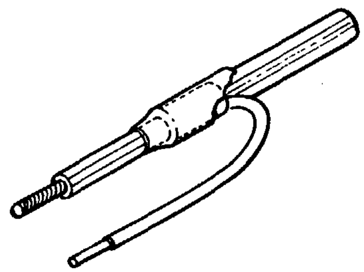
SHIELD FIGURE G

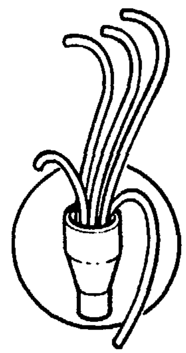
SHIELDED CABLE TERMINATION WITH DRAIN WIRE



SHIELD FIGURE C

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, A REAR PIGTAIL IS REQUIRED.



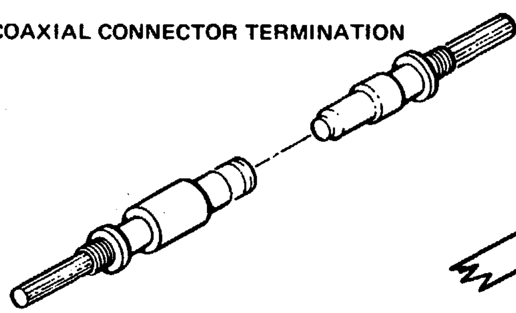


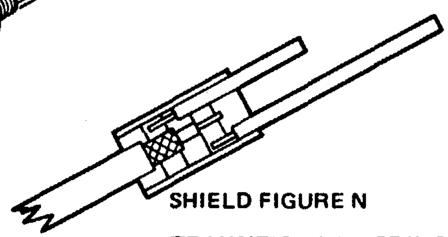
SHIELD FIGURE X

SHIELDED WIRE PIGTAILS–HYBRID

SHIELD FIGURE Z

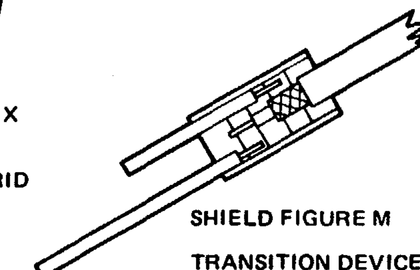
COAXIAL CONNECTOR TERMINATION





SHIELD FIGURE N

TRANSITION DEVICE WITH SOLID WIRE PIGTAILS



SHIELD FIGURE M

TRANSITION DEVICE WITH STRANDED WIRE PIGTAILS

Drawing No.
WL10281453
Rev. E, sheet 4

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 5

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00369		J3101	01			J3107	47			16B	9			HAH011V1	01									IOMASK	
00371		J3101	02			J3107	57			16B	9			HAH012V1	01									IOMASK	
00373		J3101	03			J3107	55			16B	9			HAH013V1	01									IOMASK	
00375		J3101	04			J3107	50			16B	9			HAH014V1	01									IOMASK	
00377		J3101	05			J3107	41			16B	9			HAH015V1	01									IOMASK	
00379		J3101	06			J3107	45			16B	9			HAH016V1	01									IOMASK	
00381		J3101	07			J3108	47			16B	9			HAH017V1	01									IOMASK	
00383		J3101	08			J3108	57			16B	9			HAH018V1	01									IOMASK	
00385		J3101	09			J3108	55			16B	9			HAH021V1	01									IOMASK	
02153		J3101	10			J3108	50			16B	9			HAH022V1	01									IOMASK	
00388		J3101	11			J3108	41			16B	9			HAH023V1	01									IOMASK	
00390		J3101	12			J3108	45			16B	9			HAH024V1	01									IOMASK	
00392		J3101	13			J3109	47			16B	9			HAH025V1	01									IOMASK	
00394		J3101	14			J3109	57			16B	9			HAH026V1	01									IOMASK	
00396		J3101	15			J3109	55			16B	9			HAH027V1	01									IOMASK	
00398		J3101	16			J3109	50			16B	9			HAH028V1	01									IOMASK	
00400		J3101	17			J3110	47			16B	9			HAH031V1	01									IOMASK	A02
00402		J3101	18			J3109	45			16B	9			HAH032V1	01									IOMASK	
00404		J3101	19			J3109	41			16B	9			HAH033V1	01									IOMASK	A02
00406		J3101	20			J3110	57			16B	9			HAH034V1	01									IOMASK	
00408		J3101	21			J3110	45			16B	9			HAH035V1	01									IOMASK	A02
00410		J3101	22			J3110	50			16B	9			HAH036V1	01									IOMASK	
00411		J3101	23			J3110	41			16B	9			HAH037V1	01									IOMASK	
00413		J3101	24			J3110	55			16B	9			HAH038V1	01									IOMASK	A02
00415		J3101	25			J3111	55			16B	9			HAH041V1	01									IOMASK	A02
00417		J3101	26			J3111	57			16B	9			HAH042V1	01									IOMASK	
00419		J3101	27			J3111	47			16B	9			HAH043V1	01									IOMASK	A02
00421		J3101	28			J3111	50			16B	9			HAH044V1	01									IOMASK	
00423		J3101	29			J3111	41			16B	9			HAH045V1	01									IOMASK	
00425		J3101	30			J3111	45			16B	9			HAH046V1	01									IOMASK	
00427		J3101	31			J3112	47			16B	9			HAH047V1	01									IOMASK	
00429		J3101	32			J3112	57			16B	9			HAH048V1	01									IOMASK	
00431		J3101	33			J3112	55			16B	9			HAH051V1	01									IOMASK	
00433		J3101	34			J3112	50			16B	9			HAH052V1	01									IOMASK	
00435		J3101	35			J3112	41			16B	9			HAH053V1	01									IOMASK	
00437		J3101	36			J3112	45			16B	9			HAH054V1	01									IOMASK	
00439		J3101	37			J3113	47			16B	9			HAH055V1	01									IOMASK	
00441		J3101	38			J3113	57			16B	9			HAH056V1	01									IOMASK	
00443		J3101	39			J3113	55			16B	9			HAH057V1	01									IOMASK	
00445		J3101	40			J3113	50			16B	9			HAH058V1	01									IOMASK	
00447		J3101	41			J3113	41			16B	9			HAH061V1	01									IOMASK	
00449		J3101	42			J3113	45			16B	9			HAH062V1	01									IOMASK	
00451		J3101	43			J3114	47			16B	9			HAH063V1	01									IOMASK	
00453		J3101	44			J3114	57			16B	9			HAH064V1	01									IOMASK	
00455		J3101	45			J3114	55			16B	9			HAH065V1	01									IOMASK	
00457		J3101	46			J3114	50			16B	9			HAH066V1	01									IOMASK	
00459		J3101	47			J3114	41			16B	9			HAH067V1	01									IOMASK	
00461		J3101	48			J3114	45			16B	9			HAH068V1	01									IOMASK	
00463		J3101	49			J3115	47			16B	9			HAH071V1	01									IOMASK	
00465		J3101	50			J3115	57			16B	9			HAH072V1	01									IOMASK	

CONNECTOR (J3101) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 | FILE IDENT TS05CRAA | REV E | DATE 08-31-82 | INDEX J3101 | PAGE 6

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00467		J3101	51			J3115	55			16B	9			HAH073V1	01									IOMASK	
00469		J3101	52			J3115	50			16B	9			HAH074V1	01									IOMASK	
00471		J3101	53			J3115	41			16B	9			HAH075V1	01									IOMASK	
00473		J3101	54			J3115	45			16B	9			HAH076V1	01									IOMASK	
00475		J3101	55			J3116	47			16B	9			HAH077V1	01									IOMASK	
00477		J3101	56			J3116	57			16B	9			HAH078V1	01									IOMASK	
00479		J3101	57			J3116	55			16B	9			HAH081V1	01									IOMASK	
00481		J3101	58			J3116	50			16B	9			HAH082V1	01									IOMASK	
00483		J3101	59			J3116	41			16B	9			HAH083V1	01									IOMASK	
00485		J3101	60			J3116	45			16B	9			HAH084V1	01									IOMASK	
00487		J3101	61			J3117	47			16B	9			HAH085V1	01									IOMASK	
00489		J3101	62			J3117	57			16B	9			HAH086V1	01									IOMASK	
00491		J3101	63			J3117	55			16B	9			HAH087V1	01									IOMASK	
00493		J3101	64			J3117	50			16B	9			HAH088V1	01									IOMASK	
00495		J3101	65			J3117	41			16B	9			HAH091V1	01									IOMASK	
00497		J3101	66			J3117	45			16B	9			HAH092V1	01									IOMASK	
00499		J3101	67			J3118	47			16B	9			HAH093V1	01									IOMASK	
00501		J3101	68			J3118	57			16B	9			HAH094V1	01									IOMASK	
00503		J3101	69			J3118	55			16B	9			HAH095V1	01									IOMASK	
00505		J3101	70			J3118	50			16B	9			HAH096V1	01									IOMASK	
00507		J3101	71			J3118	41			16B	9			HAH097V1	01									IOMASK	
00509		J3101	72			J3118	45			16B	9			HAH098V1	01									IOMASK	
00355		J3101	73			J3113	76			16B	9			HAHA0AV	01									COMPID	
00357		J3101	74			J3114	76			16B	9			HAHA1AV	01									COMPID	
00359		J3101	75			J3115	76			16B	9			HAHA2AV	01									COMPID	
00361		J3101	76			J3116	76			16B	9			HAHA3AV	01									COMPID	
00363		J3101	77			J3117	76			16B	9			HAHA4AV	01									COMPID	
00365		J3101	78			J3118	76			16B	9			HAHA5AV	01									COMPID	
01913		J3101	79											SPA	01										
01914		J3101	80											SPA	01										

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sheet 6

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA
REV E
DATE 08-31-82
INDEX J3102
PAGE 7

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	I/C INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	STOP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00511		J3102	01			J3104	07			16B	9			HAP01D	00									PRBANALOG	A03
01915		J3102	02											SPA	01										
00513		J3102	03			J3104	04			16B	9			HAP02D	00									PRBANALOG	A03
00515		J3102	04			J3104	16			16B	9			HAP03D	00									PRBANALOG	A03
00517		J3102	05			J3104	15			16B	9			HAP04D	00									PRBANALOG	A03
00519		J3102	06			J3104	35			16B	9			HAP05D	00									PRBANALOG	A07
00521		J3102	07			J3104	25			16B	9			HAP06D	00									PRBANALOG	A03
00523		J3102	08			J3104	36			16B	9			HAP07D	00									PRBANALOG	A03
00525		J3102	09			J3104	26			16B	9			HAP08D	00									PRBANALOG	A07
00527		J3102	10			J3104	46			16B	9			HAP09D	00									PRBANALOG	A03
00529		J3102	11			J3104	71			16B	9			HAP10D	00									PRBANALOG	A07
01916		J3102	12											SPA	01										
00531		J3102	13			J3104	56			16B	9			HAP11D	00									PRBANALOG	A03
00533		J3102	14			J3104	55			16B	9			HAP12D	00									PRBANALOG	A03
00535		J3102	15			J3104	70			16B	9			HAP13D	00									PRBANALOG	A03
01917		J3102	16											SPA	01										
00537		J3102	17			J3104	66			16B	9			HAP14D	00									PRBANALOG	A03
00539		J3102	18			J3104	78			16B	9			HAP15D	00									PRBANALOG	A03
00541		J3102	19			J3104	77			16B	9			HAP16D	00									PRBANALOG	A03
00543		J3102	20			J3104	08			16B	9			HAP17D	00									PRBANALOG	A03
00545		J3102	21			J3104	03			16B	9			HAP18D	00									PRBANALOG	A03
00547		J3102	22			J3104	17			16B	9			HAP19D	00									PRBANALOG	A03
00549		J3102	23			J3104	10			16B	9			HAP20D	00									PRBANALOG	A03
00551		J3102	24			J3104	27			16B	9			HAP21D	00									PRBANALOG	A03
00553		J3102	25			J3104	24			16B	9			HAP22D	00									PRBANALOG	A03
00555		J3102	26			J3104	37			16B	9			HAP23D	00									PRBANALOG	A03
00557		J3102	27			J3104	34			16B	9			HAP24D	00									PRBANALOG	A03
01918		J3102	28											SPA	01										
00559		J3102	29			J3104	47			16B	9			HAP25D	00									PRBANALOG	A03
00561		J3102	30			J3104	44			16B	9			HAP26D	00									PRBANALOG	A03
00563		J3102	31			J3104	57			16B	9			HAP27D	00									PRBANALOG	A03
01919		J3102	32											SPA	01										
00565		J3102	33			J3104	54			16B	9			HAP28D	00									PRBANALOG	A03
00567		J3102	34			J3104	45			16B	9			HAP29D	00									PRBANALOG	A07
00569		J3102	35			J3104	65			16B	9			HAP30D	00									PRBANALOG	A03
00571		J3102	36			J3104	79			16B	9			HAP31D	00									PRBANALOG	A03
00573		J3102	37			J3104	76			16B	9			HAP32D	00									PRBANALOG	A03
00575		J3102	38			J3104	01			16B	9			HAP33D	00									PRBANALOG	A07
00577		J3102	39			J3104	09			16B	9			HAP34D	00									PRBANALOG	A07
00579		J3102	40			J3104	80			16B	9			HAP35D	00									PRBANALOG	A03
00581		J3102	41			J3104	72			16B	9			HAP36D	00									PRBANALOG	A03
00583		J3102	42			J3105	07			16B	9			HAP37D	00									PRBANALOG	A03
00585		J3102	43			J3105	04			16B	9			HAP38D	00									PRBANALOG	A03
01920		J3102	44											SPA	01										
00587		J3102	45			J3105	16			16B	9			HAP39D	00									PRBANALOG	A03
00589		J3102	46			J3105	15			16B	9			HAP40D	00									PRBANALOG	A03
00591		J3102	47			J3105	26			16B	9			HAP41D	00									PRBANALOG	A03
00593		J3102	48			J3105	25			16B	9			HAP42D	00									PRBANALOG	A03
00595		J3102	49			J3105	36			16B	9			HAP43D	00									PRBANALOG	A03
00597		J3102	50			J3105	35			16B	9			HAP44D	00									PRBANALOG	A03

CONNECTOR (J3102) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3102
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 8

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00599		J3102	51			J3105	46			168	9			HAP45D	00									PRBANALOG	A03
00601		J3102	52			J3105	45			168	9			HAP46D	00									PRBANALOG	A03
00603		J3102	53			J3105	56			168	9			HAP47D	00									PRBANALOG	A03
00605		J3102	54			J3105	55			168	9			HAP48D	00									PRBANALOG	A03
00607		J3102	55			J3105	70			168	9			HAP49D	00									PRBANALOG	A03
00609		J3102	56			J3105	66			168	9			HAP50D	00									PRBANALOG	A03
00611		J3102	57			J3105	78			168	9			HAP51D	00									PRBANALOG	A03
01921		J3102	58											SPA	01										
00613		J3102	59			J3105	77			168	9			HAP52D	00									PRBANALOG	A03
00615		J3102	60			J3105	08			168	9			HAP53D	00									PRBANALOG	A03
00617		J3102	61			J3105	03			168	9			HAP54D	00									PRBANALOG	A03
00619		J3102	62			J3105	17			168	9			HAP55D	00									PRBANALOG	A03
00621		J3102	63			J3105	10			168	9			HAP56D	00									PRBANALOG	A03
00623		J3102	64			J3105	27			168	9			HAP57D	00									PRBANALOG	A03
00625		J3102	65			J3105	24			168	9			HAP58D	00									PRBANALOG	A03
00627		J3102	66			J3105	37			168	9			HAP59D	00									PRBANALOG	A03
01922		J3102	67											SPA	01										
00629		J3102	68			J3105	34			168	9			HAP60D	00									PRBANALOG	A03
00631		J3102	69			J3105	47			168	9			HAP61D	00									PRBANALOG	A03
00633		J3102	70			J3105	44			168	9			HAP62D	00									PRBANALOG	A03
00635		J3102	71			J3105	57			168	9			HAP63D	00									PRBANALOG	A03
00637		J3102	72			J3105	54			168	9			HAP64D	00									PRBANALOG	A03
00639		J3102	73			J3105	71			168	9			HAP65D	00									PRBANALOG	A03
00641		J3102	74			J3105	65			168	9			HAP66D	00									PRBANALOG	A03
00643		J3102	75			J3105	79			168	9			HAP67D	00									PRBANALOG	A03
00645		J3102	76			J3105	76			168	9			HAP68D	00									PRBANALOG	A03
00647		J3102	77			J3105	09			168	9			HAP69D	00									PRBANALOG	A03
00649		J3102	78			J3105	01			168	9			HAP70D	00									PRBANALOG	A03
00651		J3102	79			J3105	80			168	9			HAP71D	00									PRBANALOG	A03
00653		J3102	80			J3105	72			168	9			HAP72D	00									PRBANALOG	A03

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DRAWING NUMBER WL10281453 UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3103
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 9

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00211		J3103	01			J3107	25			16B	9			HAG010V	01									EXTMASK	
01923		J3103	02											SPA	01										
00213		J3103	03			J3107	42			16B	9			HAG020V	01									EXTMASK	
00215		J3103	04			J3107	33			16B	9			HAG030V	01									EXTMASK	
00217		J3103	05			J3107	35			16B	9			HAG040V	01									EXTMASK	
00219		J3103	06			J3107	30			16B	9			HAG050V	01									EXTMASK	
00221		J3103	07			J3107	37			16B	9			HAG060V	01									EXTMASK	
00223		J3103	08			J3108	25			16B	9			HAG070V	01									EXTMASK	
00225		J3103	09			J3108	42			16B	9			HAG080V	01									EXTMASK	
00227		J3103	10			J3108	33			16B	9			HAG090V	01									EXTMASK	
00229		J3103	11			J3108	35			16B	9			HAG100V	01									EXTMASK	
01924		J3103	12											SPA	01										
00231		J3103	13			J3108	30			16B	9			HAG110V	01									EXTMASK	
00233		J3103	14			J3108	37			16B	9			HAG120V	01									EXTMASK	
00235		J3103	15			J3109	25			16B	9			HAG130V	01									EXTMASK	
01925		J3103	16											SPA	01										
00237		J3103	17			J3109	42			16B	9			HAG140V	01									EXTMASK	
00239		J3103	18			J3109	33			16B	9			HAG150V	01									EXTMASK	
00241		J3103	19			J3109	35			16B	9			HAG160V	01									EXTMASK	
00243		J3103	20			J3110	25			16B	9			HAG170V	01									EXTMASK	A02
00245		J3103	21			J3109	37			16B	9			HAG180V	01									EXTMASK	
00247		J3103	22			J3109	30			16B	9			HAG190V	01									EXTMASK	A02
00249		J3103	23			J3110	42			16B	9			HAG200V	01									EXTMASK	
00251		J3103	24			J3110	37			16B	9			HAG210V	01									EXTMASK	A02
00253		J3103	25			J3110	35			16B	9			HAG220V	01									EXTMASK	
00255		J3103	26			J3110	30			16B	9			HAG230V	01									EXTMASK	
00257		J3103	27			J3110	33			16B	9			HAG240V	01									EXTMASK	A02
01926		J3103	28											SPA	01										
00259		J3103	29			J3111	33			16B	9			HAG250V	01									EXTMASK	A02
00261		J3103	30			J3111	42			16B	9			HAG260V	01									EXTMASK	
00263		J3103	31			J3111	25			16B	9			HAG270V	01									EXTMASK	A02
01927		J3103	32											SPA	01										
00265		J3103	33			J3111	35			16B	9			HAG280V	01									EXTMASK	
00267		J3103	34			J3111	30			16B	9			HAG290V	01									EXTMASK	
00269		J3103	35			J3111	37			16B	9			HAG300V	01									EXTMASK	
00271		J3103	36			J3112	25			16B	9			HAG310V	01									EXTMASK	
00273		J3103	37			J3112	42			16B	9			HAG320V	01									EXTMASK	
00275		J3103	38			J3112	33			16B	9			HAG330V	01									EXTMASK	
00277		J3103	39			J3112	35			16B	9			HAG340V	01									EXTMASK	
00279		J3103	40			J3112	30			16B	9			HAG350V	01									EXTMASK	
00281		J3103	41			J3112	37			16B	9			HAG360V	01									EXTMASK	
00283		J3103	42			J3113	25			16B	9			HAG370V	01									EXTMASK	
00285		J3103	43			J3113	42			16B	9			HAG380V	01									EXTMASK	
01928		J3103	44											SPA	01										
00287		J3103	45			J3113	33			16B	9			HAG390V	01									EXTMASK	
00289		J3103	46			J3113	35			16B	9			HAG400V	01									EXTMASK	
00291		J3103	47			J3113	30			16B	9			HAG410V	01									EXTMASK	
00293		J3103	48			J3113	37			16B	9			HAG420V	01									EXTMASK	
00295		J3103	49			J3114	25			16B	9			HAG430V	01									EXTMASK	
00297		J3103	50			J3114	42			16B	9			HAG440V	01									EXTMASK	

CONNECTOR (J3103) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3103
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 10

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
00299		J3103	51			J3114	33			16B	9			HAG450V	01									EXTMASK	
00301		J3103	52			J3114	35			16B	9			HAG460V	01									EXTMASK	
00303		J3103	53			J3114	30			16B	9			HAG470V	01									EXTMASK	
00305		J3103	54			J3114	37			16B	9			HAG480V	01									EXTMASK	
00307		J3103	55			J3115	25			16B	9			HAG490V	01									EXTMASK	
00309		J3103	56			J3115	42			16B	9			HAG500V	01									EXTMASK	
00311		J3103	57			J3115	33			16B	9			HAG510V	01									EXTMASK	
01929		J3103	58											SPA	01										
00313		J3103	59			J3115	35			16B	9			HAG520V	01									EXTMASK	
00315		J3103	60			J3115	30			16B	9			HAG530V	01									EXTMASK	
00317		J3103	61			J3115	37			16B	9			HAG540V	01									EXTMASK	
00319		J3103	62			J3116	25			16B	9			HAG550V	01									EXTMASK	
00321		J3103	63			J3116	42			16B	9			HAG560V	01									EXTMASK	
00323		J3103	64			J3116	33			16B	9			HAG570V	01									EXTMASK	
00325		J3103	65			J3116	35			16B	9			HAG580V	01									EXTMASK	
00327		J3103	66			J3116	30			16B	9			HAG590V	01									EXTMASK	
01930		J3103	67											SPA	01										
00329		J3103	68			J3116	37			16B	9			HAG600V	01									EXTMASK	
00331		J3103	69			J3117	25			16B	9			HAG610V	01									EXTMASK	
00333		J3103	70			J3117	42			16B	9			HAG620V	01									EXTMASK	
00335		J3103	71			J3117	33			16B	9			HAG630V	01									EXTMASK	
00337		J3103	72			J3117	35			16B	9			HAG640V	01									EXTMASK	
00339		J3103	73			J3117	30			16B	9			HAG650V	01									EXTMASK	
00341		J3103	74			J3117	37			16B	9			HAG660V	01									EXTMASK	
00343		J3103	75			J3118	25			16B	9			HAG670V	01									EXTMASK	
00345		J3103	76			J3118	42			16B	9			HAG680V	01									EXTMASK	
00347		J3103	77			J3118	33			16B	9			HAG690V	01									EXTMASK	
00349		J3103	78			J3118	35			16B	9			HAG700V	01									EXTMASK	
00351		J3103	79			J3118	30			16B	9			HAG710V	01									EXTMASK	
00353		J3103	80			J3118	37			16B	9			HAG720V	01									EXTMASK	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA
REV E
DATE 08-31-82
INDEX J3104
PAGE 11

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01134		J3104	01			J3112	11			168	9			HAP33D	01										A07
01931		J3104	02			J3104	58			168	9			HC2GND	04										A05
01086		J3104	03			J3109	04			168	9			HAP18D	01										A03
01094		J3104	04			J3107	26			168	9			HAP02D	01										A03
01102		J3104	05											SPA	01										A03
01110		J3104	06											SPA	01										A03
01118		J3104	07			J3107	14			168	9			HAP01D	01										A03
01126		J3104	08			J3110	14			168	9			HAP17D	01										A03
01078		J3104	09			J3112	18			168	9			HAP34D	01										A07
01142		J3104	10			J3110	26			168	9			HAP20D	01										A03
01150		J3104	11							168	9			HC+5VDC8	05										A05
01932		J3104	12										M	HAL17A	01										C02
01158		J3104	13										M	HAG33A	01										C02
01166		J3104	14										M	HAL34A	01										C02
01174		J3104	15			J3107	18			168	9			HAP04D	01										A03
01933		J3104	16			J3107	11			168	9			HAP03D	01										A03
01182		J3104	17			J3109	23			168	9			HAP19D	01										A03
01190		J3104	18										M	HAG20A	01										C02
01198		J3104	19										M	HAG18A	01										C02
01206		J3104	20										M	HAG19A	01										C02
01214		J3104	21										M	HAG21A	01										C02
01222		J3104	22										M	HAG01A	01										C02
01230		J3104	23										M	HAG03A	01										C02
01238		J3104	24			J3110	18			168	9			HAP22D	01										A03
01246		J3104	25			J3107	04			168	9			HAP06D	01										A03
01305		J3104	26			J3108	26			168	9			HAP08D	01										A07
01262		J3104	27			J3110	04			168	9			HAP21D	01										A03
01934		J3104	28										M	HAG22A	01										C02
01270		J3104	29										M	HAL08A	01										C02
01277		J3104	30										M	HAG02A	01										C02
01284		J3104	31										M	HAG23A	01										C02
01935		J3104	32										M	HAG07A	01										C02
01291		J3104	33										M	HAL04A	01										C02
01298		J3104	34			J3110	11			168	9			HAP24D	01										A03
01254		J3104	35			J3107	23			168	9			HAP05D	01										A07
01312		J3104	36			J3108	14			168	9			HAP07D	01										A03
01319		J3104	37			J3110	23			168	9			HAP23D	01										A03
01326		J3104	38										M	HAG24A	01										C02
01331		J3104	39										M	HAG05A	01										C02
01336		J3104	40										M	HAG06A	01										C02
01341		J3104	41										M	HAG25A	01										C02
01346		J3104	42										M	HAL29A	01										C02
01351		J3104	43										M	HAG09A	01										C02
01936		J3104	44			J3111	26			168	9			HAP26D	01										A03
01456		J3104	45			J3111	23			168	9			HAP29D	01										A07
01361		J3104	46			J3108	11			168	9			HAP09D	01										A03
01366		J3104	47			J3111	11			168	9			HAP25D	01										A03
01371		J3104	48										M	HAG12A	01										C02
01376		J3104	49										M	HAG11A	01										C02
01381		J3104	50										M	HAL26A	01										C02

CONNECTOR (J3104) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3104
PAGE 12

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01386		J3104	51										M	HAG27A	01										C02
01391		J3104	52										M	HAG28A	01										C02
01396		J3104	53										M	HAG13A	01										C02
01401		J3104	54			J3111	18			16B	9			HAP28D	01										A03
01406		J3104	55			J3108	04			16B	9			HAP12D	01										A03
01410		J3104	56			J3108	23			16B	9			HAP11D	01										A03
01414		J3104	57			J3111	14			16B	9			HAP27D	01										A03
01937		J3104	58			J3105	58			16B	9			HC2GND	05										A05
01418		J3104	59										M	HAG10A	01										C02
01422		J3104	60										M	HAG30A	01										C02
01426		J3104	61										M	HAL14A	01										C02
01430		J3104	62										M	HAG32A	01										C02
01434		J3104	63										M	HAG16A	01										C02
01438		J3104	64										M	HAL15A	01										C02
01441		J3104	65			J3111	04			16B	9			HAP30D	01										A03
01444		J3104	66			J3109	26			16B	9			HAP14D	01										A03
01938		J3104	67										M	HAG31A	01										C02
01447		J3104	68										M	HAG35A	01										C02
01450		J3104	69										M	HAG36A	01										C02
01453		J3104	70			J3109	14			16B	9			HAP13D	01										A03
01356		J3104	71			J3108	18			16B	9			HAP10D	01										A07
01459		J3104	72			J3112	04			16B	9			HAP36D	01										A03
01462		J3104	73											SPA	01										A03
01468		J3104	74											SPA	01										A03
01474		J3104	75							16B	9			HC+2.0V	04										A05
01480		J3104	76			J3112	26			16B	9			HAP32D	01										A03
01486		J3104	77			J3109	18			16B	9			HAP16D	01										A03
01492		J3104	78			J3109	11			16B	9			HAP15D	01										A03
01498		J3104	79			J3112	14			16B	9			HAP31D	01										A03
01504		J3104	80			J3112	23			16B	9			HAP35D	01										A03

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3105
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 13

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01791		J3105	01			J3118	18			16B	9			HAP70D	01										A03
01801		J3105	02			J3104	02			16B	9			HC2GND	03										A05
01792		J3105	03			J3115	04			16B	9			HAP54D	01										A03
01811		J3105	04			J3113	26			16B	9			HAP38D	01										A03
01809		J3105	05											SPA	01										A03
01817		J3105	06											DNW											
01806		J3105	07			J3113	14			16B	9			HAP37D	01										A03
01818		J3105	08			J3115	23			16B	9			HAP53D	01										A03
00697		J3105	09			J3118	11			16B	9			HAP69D	01									MEMENBL	A03
00707		J3105	10			J3116	26			16B	9			HAP56D	01										A03
00717		J3105	11			J3104	11			16B	9			HC+5VDC8	04										A05
01939		J3105	12										M	HAL53A	01										C02
00727		J3105	13										M	HAG70A	01										C02
00734		J3105	14										M	HAL69A	01										C02
00741		J3105	15			J3113	18			16B	9			HAP40D	01										A03
01940		J3105	16			J3113	11			16B	9			HAP39D	01										A02
00746		J3105	17			J3116	14			16B	9			HAP55D	01										A03
00751		J3105	18										M	HAG56A	01										C02
00753		J3105	19										M	HAG54A	01										C02
00761		J3105	20										M	HAG55A	01										C02
00763		J3105	21										M	HAG57A	01										C02
00765		J3105	22										M	HAG37A	01										C02
00767		J3105	23										M	HAG39A	01										C02
00769		J3105	24			J3116	18			16B	9			HAP58D	01										A03
00771		J3105	25			J3113	04			16B	9			HAP42D	01										A03
00775		J3105	26			J3113	23			16B	9			HAP41D	01										A03
00777		J3105	27			J3116	11			16B	9			HAP57D	01										A03
01941		J3105	28										M	HAG58A	01										C02
00779		J3105	29										M	HAL41A	01										C02
01510		J3105	30										M	HAG38A	01										C02
01512		J3105	31										M	HAG59A	01										C02
01942		J3105	32										M	HAG43A	01										C02
01514		J3105	33										M	HAG40A	01										C02
01516		J3105	34			J3116	04			16B	9			HAP60D	01										A03
01518		J3105	35			J3114	26			16B	9			HAP44D	01										A03
01520		J3105	36			J3114	14			16B	9			HAP43D	01										A03
01522		J3105	37			J3116	23			16B	9			HAP59D	01										A03
01524		J3105	38										M	HAG60A	01										C02
01526		J3105	39										M	HAG44A	01										C02
01528		J3105	40										M	HAG42A	01										C02
01530		J3105	41										M	HAGM1A	01										C02
01532		J3105	42										M	HAL46A	01										C02
01534		J3105	43										M	HAG45A	01										C02
01943		J3105	44			J3117	26			16B	9			HAP62D	01										A03
01536		J3105	45			J3114	18			16B	9			HAP46D	01										A03
01538		J3105	46			J3114	11			16B	9			HAP45D	01										A03
01540		J3105	47			J3117	14			16B	9			HAP61D	01										A03
01542		J3105	48										M	HAL48A	01										C02
01544		J3105	49										M	HAG47A	01										C02
01802		J3105	50										M	HAG62A	01										C02

CONNECTOR (J3105) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3105
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 14

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01807		J3105	51										M	HAG63A	01										C02
00657		J3105	52										M	HAG64A	01										C02
02091		J3105	53										M	HAG49A	01										C02
01765		J3105	54			J3117	18			16B	9			HAP64D	01										A03
01766		J3105	55			J3114	04			16B	9			HAP48D	01										A03
00667		J3105	56			J3114	23			16B	9			HAP47D	01										A03
00668		J3105	57			J3117	11			16B	9			HAP63D	01										A03
01944		J3105	58							16B	9			HC2GND	06										B01
01945		J3105	59										M	HAGM2A	01										C02
01823		J3105	60										M	HAL66A	01										C02
01827		J3105	61										M	HAL50A	01										C02
01831		J3105	62										M	HAG68A	01										C02
01821		J3105	63										M	HAG52A	01										C02
01825		J3105	64										M	HAG51A	01										C02
01829		J3105	65			J3117	04			16B	9			HAP66D	01										A03
01777		J3105	66			J3115	26			16B	9			HAP50D	01										A03
01946		J3105	67										M	HAG67A	01										C02
01775		J3105	68										M	HAG71A	01										C02
00758		J3105	69										M	HAGM4A	01										C02
00774		J3105	70			J3115	14			16B	9			HAP49D	01										A03
00663		J3105	71			J3117	23			16B	9			HAP65D	01										A03
00773		J3105	72			J3118	04			16B	9			HAP72D	01										A03
00669		J3105	73											SPA	01										A03
00661		J3105	74											SPA	01										A03
00754		J3105	75			J3104	75			16B	9			HC+2.0V	03										A05
00756		J3105	76			J3118	26			16B	9			HAP68D	01										A03
00682		J3105	77			J3115	18			16B	9			HAP52D	01										A03
00655		J3105	78			J3115	11			16B	9			HAP51D	01										A03
02174		J3105	79			J3118	14			16B	9			HAP67D	01										A03
00781		J3105	80			J3118	23			16B	9			HAP71D	01										A03

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DRAWING NUMBER WL10281453 UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 FILE IDENT TS05CRAA REV E DATE 08-31-82 INDEX J3106 PAGE 15

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02114		J3106	01			J3106	02			16B	9			HC2GND	01										
02169		J3106	02			J3105	02			16B	9			HC2GND	02										A05
02186		J3106	02											GND											C01
02116		J3106	03											KEY											
02117		J3106	04											KEY											
02096		J3106	05			J3106	36			16B	9			HC+15VDC	01										
02120		J3106	06											SPA	01										
02121		J3106	07											SPA	01										B02
02102		J3106	08			J3106	45			16B	9			HC-15VDC	01										
02122		J3106	09											SPA	01										
02100		J3106	10			J3106	11			16B	9			HC+5VDC8	01										
02101		J3106	11			J3106	12			16B	9			HC+5VDC8	02										
02162		J3106	12			J3105	11			16B	9			HC+5VDC8	03										A05
02193		J3106	12											+5V											D01
02123		J3106	13											SPA	01										
02124		J3106	14			J3106	53			16B	9			HCWAEO	01										A07
02125		J3106	15											SPA	01										
02088		J3106	16											GND	01										
02126		J3106	17											SPA	01										B02
02127		J3106	18											SPA	01										
02128		J3106	19											SPA	01										
02158		J3106	20											SPA	02										A03
02129		J3106	21			J3119	70			16B	9			HBWBCO	01										B01
02082		J3106	22											SPA	01										A06
02118		J3106	23											KEY											
02119		J3106	24											KEY											
02130		J3106	25											SPA	01										
02107		J3106	26											SPA	01										A07
02131		J3106	27											SPA	01										
02081		J3106	28											+5V	01										
02176		J3106	28			J3106	55			16B	9			HCC5VDC8	02										A07
02108		J3106	29											SPA	01										A07
01767		J3106	30											SPA	01										A07
02132		J3106	31			J3106	28			16B	9			HCC5VDC8	01										A07
02089		J3106	32											GND	01										
02133		J3106	33											SPA	01										
02083		J3106	34											DNW										+12VDC	
02109		J3106	35			J3119	77			16B	9			HC01MTR	01										A06
02097		J3106	36			J3106	76			16B	9			HC+15VDC	02										
02110		J3106	37							16B	9			HCSC15M	02										A07
02175		J3106	38			J3106	61			16B	9			HCSP15M	01										A07
02094		J3106	39			J3107	15			16B	9			HC+1VDC	01										
02092		J3106	40											SPA	01										A03
02134		J3106	41											SPA	01										
02098		J3106	42			J3107	13			16B	9			HC+2VDC	01										
02135		J3106	43											SPA	01										
02090		J3106	44											GND	01										
02103		J3106	45			J3106	46			16B	9			HC-15VDC	02										
02104		J3106	46			J3106	73			16B	9			HC-15VDC	03										
02155		J3106	47											SPA	01										A03

CONNECTOR (J3106) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 | REV E | INDEX J3106
FILE IDENT TSQ5CRAA | DATE 08-31-82 | PAGE 16

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02084		J3106	48			J3106	74			16B	9			HC+15VDC	00C									707CARDISLTNRLYDRV	B01
02136		J3106	49											SPA	01										A03
02085		J3106	50			J3106	69			16B	9			HCFACD1	01									CNTYNTYRLY DRV	B01
02173		J3106	51											SPA	01										A03
02086		J3106	52											DNW										NRGZPRBSLND DRV	
02137		J3106	53							16B	9			HCWAEO	02										A07
00658		J3106	54											SPA	01										A03
02138		J3106	55							16B	9			HCC5VDC8	03										A07
02087		J3106	56											DNW										DNRGZ PRBSLND DRV	
02115		J3106	57			J3106	58			16B	9			HC6GND	01										
02170		J3106	58							16B	9			HC6GND	02										
02187		J3106	58											GND											C01
02139		J3106	59							16B	9			SPA	01										B01
02140		J3106	60											SPA	01										
02141		J3106	61							16B	9			HCSP15M	02										A07
02142		J3106	62											SPA	01										
02143		J3106	63							16B	9			HCGNPU	02										A07
02093		J3106	64			J3106	66			16B	9			HC+2.0V	01										A05
02144		J3106	65			J3106	08			16B	9			HC-15VDC	00										A07
02160		J3106	66			J3105	75			16B	9			HC+2.0V	02										A05
02152		J3106	67											GND											
02181		J3106	67			J3106	78			16B	9			HCGN5D	01										A07
02111		J3106	68											SPA	01										A05
02145		J3106	69			J3106	77			16B	9			HCFACD1	02										B01
02112		J3106	70											SPA	01										A05
02146		J3106	71			J3106	05			16B	9			HC+15VDC	00H										B01
02113		J3106	72											SPA	01										A05
02105		J3106	73			J3119	08			16B	9			HC-15VDC	04										
02147		J3106	74			J3106	71			16B	9			HC+15VDC	00E										B01
02148		J3106	75											SPA	01										
02161		J3106	76			J3119	13			16B	9			HC+15VDC	03										A05
02149		J3106	77							16B	9			HCFACD1	03										B01
02150		J3106	78							16B	9			HCGN5D	02										A07
02151		J3106	79			J3106	63			16B	9			HCGNPU	01										A07
02159		J3106	80											SPA	01										A03

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3107
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 17

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01687		J3107	01			J3108	01			168	9			HCID00	01									COMPIDB1	
00088		J3107	02											GND	01										
01700		J3107	03			J3108	03			168	9			HCID10	01									COMPIDB1	
00522		J3107	04							168	9			HAP06D	02									PRBANALOG6	
01752		J3107	05			J3108	05			168	9			HCID50	01									COMPIDB1	
00830		J3107	06			J3108	06			168	9			HC-5VDC	01										
01726		J3107	07			J3108	07			168	9			HCID30	01									COMPIDB1	
01739		J3107	08			J3108	08			168	9			HCID40	01									COMPIDB1	
00035		J3107	09											DNW	01										
01713		J3107	10			J3108	10			168	9			HCID20	01									COMPIDB1	
00516		J3107	11							168	9			HAP03D	02									PRBANALOG3	
00003		J3107	12											+5V	01										
00798		J3107	13			J3108	13			168	9			HC+2VDC	02										
00512		J3107	14							168	9			HAP01D	02									PRBANALOG1	
00783		J3107	15			J3108	15			168	9			HC+1VDC	02										
00089		J3107	16											GND	01										
01119		J3107	17										M	HADAF0											C02
00518		J3107	18							168	9			HAP04D	02									PRBANALOG4	
01095		J3107	19										M	HADAC0											C02
01103		J3107	20										M	HADAD0											C02
01079		J3107	21										M	HADAA0											C02
01087		J3107	22										M	HADAB0											C02
00520		J3107	23							168	9			HAP05D	02									PRBANALOG5	
01111		J3107	24										M	HADAE0											C02
00212		J3107	25							168	9			HAG010V	02									EXTMASK1	
00514		J3107	26							168	9			HAP02D	02									PRBANALOG2	
01546		J3107	27										M	HCF010	01									FR1	
00004		J3107	28											+5V	01										
01547		J3107	29										M	HCF050	01									FR5	
00220		J3107	30							168	9			HAG050V	02									EXTMASK5	
00664		J3107	31			J3108	31			168	9			HCFAGD1	02										A05
00090		J3107	32											GND	01										
00216		J3107	33							168	9			HAG030V	02									EXTMASK3	
01548		J3107	34										M	HCF030	01									FR3	
00218		J3107	35							168	9			HAG040V	02									EXTMASK4	
01549		J3107	36										M	HCF060	01									FR6	
00222		J3107	37							168	9			HAG060V	02									EXTMASK6	
01550		J3107	38										M	HCF040	01									FR4	
01833		J3107	39											KEY	01										
01834		J3107	40											KEY	01										
00378		J3107	41							168	9			HAH015V1	02									IOMASK5	
00214		J3107	42							168	9			HAG020V	02									EXTMASK2	
01779		J3107	43											SPA	01										A05
00091		J3107	44											GND	01										
00380		J3107	45							168	9			HAH016V1	02									IOMASK6	
01662		J3107	46			J3108	46			168	9			HCF11A	01									FRAIN	
00370		J3107	47							168	9			HAH011V1	02									IOMASK1	
01637		J3107	48			J3108	48			168	9			HCF01A	01									FRAOUT	
02015		J3107	49											SP0	01									FRBIN	
00376		J3107	50											HAH014V1	02									IOMASK4	

CONNECTOR (J3107) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3107
PAGE 18

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02016		J3107	51											SPO	01									FRBOUT	
00036		J3107	52			J3107	58			16B	9			HCG001	01									LO=CHIPA	A01
01835		J3107	53											KEY	01										
01836		J3107	54											KEY	01										
00374		J3107	55							16B	9			HAH013V1	02									IOMASK3	
00969		J3107	56										M	HCC05A	01									CR5	
00372		J3107	57							16B	9			HAH012V1	02									IOMASK2	
00092		J3107	58											GND	01										
02182		J3107	58							16B	9			HCG001	02									LO=CHIPA	A01
00037		J3107	59											DNW	01										
01551		J3107	60										M	HCF020	01									FR2	
01057		J3107	61			J3109	63			16B	9			HCCR2A	01									LATCH2IN	A02
01053		J3107	62											SPO	01										A02
02017		J3107	63			J3107	64			16B	9			HCCR1A	01									CRA	A02
01054		J3107	64			J3108	63			16B	9			HCCR1A	02									LATCH1IN	A02
00970		J3107	65										M	HCC06A	01									CR6	
00971		J3107	66										M	HCC04A	01									CR4	
00093		J3107	67											GND	01										
00670		J3107	68			J3108	68			16B	9			HBFBRD1	02									LATCHRESET	
01511		J3107	69											SPA	02										A03
01047		J3107	70											DNW										ERRL1 CFZ1	
01630		J3107	71			J3110	31			16B	9			HCFS1A	01									LD20	
00759		J3107	72			J3107	75			16B	9			HBLAGA	02									LD211	
01048		J3107	73											DNW	01									ERRL2 CFZ2	
01513		J3107	74											SPA	02										A03
00760		J3107	75							16B	9			HBLAGA	03									LD212	
00762		J3107	76											SPA	02										A03
00972		J3107	77										M	HCC01A	01									CR1	
00843		J3107	78			J3120	08			16B	9			HCAD00	01									LD10	
00973		J3107	79										M	HCC02A	01									CR2	
00974		J3107	80										M	HCC03A	01									CR3	

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 | FILE IDENT TSQ5CRAA | REV E | DATE 08-31-82 | INDEX J3108 | PAGE 19

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS ANC	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01688		J3108	01			J3109	01			16B	9			HCID00	02									COMPIDB1	
00094		J3108	02											GND	01										
01701		J3108	03			J3109	03			16B	9			HCID10	02									COMPIDB1	
00534		J3108	04							16B	9			HAP12D	02									PRBANALOG6	
01753		J3108	05			J3109	05			16B	9			HCID50	02									COMPIDB1	
00831		J3108	06			J3109	06			16B	9			HC-5VDC	02										
01727		J3108	07			J3109	07			16B	9			HCID30	02									COMPIDB1	
01740		J3108	08			J3109	08			16B	9			HCID40	02									COMPIDB1	
00038		J3108	09			J3108	38			16B	9			HCF10A	01										A03
01714		J3108	10			J3109	10			16B	9			HCID20	02									COMPIDB1	
00528		J3108	11							16B	9			HAP09D	02									PRBANALOG3	
00005		J3108	12											+5V	01										
00799		J3108	13			J3109	13			16B	9			HC+2VDC	03										
00524		J3108	14							16B	9			HAP07D	02									PRBANALOG1	
00784		J3108	15			J3109	15			16B	9			HC+1VDC	03										
00095		J3108	16											GND	01										
01167		J3108	17										M	HADALO											C02
00530		J3108	18							16B	9			HAP10D	02									PRBANALOG4	
01143		J3108	19										M	HADAIO											C02
01151		J3108	20										M	HADAJO											C02
01127		J3108	21										M	HADAGO											C02
01135		J3108	22										M	HADAHO											C02
00532		J3108	23							16B	9			HAP11D	02									PRBANALOG5	
01159		J3108	24										M	HADAKO											C02
00224		J3108	25							16B	9			HAG070V	02									EXTMASK1	
00526		J3108	26							16B	9			HAP08D	02									PRBANALOG2	
01552		J3108	27										M	HCF070	01									FR1	
00006		J3108	28											+5V	01										
01553		J3108	29										M	HCF110	01									FR5	
00232		J3108	30							16B	9			HAG110V	02									EXTMASK5	
00665		J3108	31			J3109	31			16B	9			HCFAGDI	03										A05
00096		J3108	32											GND	01										
00228		J3108	33							16B	9			HAG090V	02									EXTMASK3	
01554		J3108	34										M	HCF090	01									FR3	
00230		J3108	35							16B	9			HAG100V	02									EXTMASK4	
01555		J3108	36										M	HCF120	01									FR6	
00234		J3108	37							16B	9			HAG120V	02									EXTMASK6	
01556		J3108	38							16B	9			HCF10A	02										A03
01837		J3108	39											KEY	01										
01838		J3108	40											KEY	01										
00389		J3108	41							16B	9			HAH023V1	02									IOMASK5	
00226		J3108	42							16B	9			HAG080V	02									EXTMASK2	
01780		J3108	43											SPA	05										A05
00097		J3108	44											GND	01										
00391		J3108	45							16B	9			HAH024V1	02									IOMASK6	
01663		J3108	46			J3109	49			16B	9			HCF11A	02									FRAIN	
00382		J3108	47							16B	9			HAH017V1	02									IOMASK1	
01638		J3108	48			J3109	51			16B	9			HCF01A	02									FRAOUT	
02018		J3108	49											SPO	01									FRBIN	
00367		J3108	50							16B	9			HAH022V1	02									IOMASK4	

CONNECTOR (J3108) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3108
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02019		J3108	51											SPO	01									FRBOUT	
00039		J3108	52			J3108	58			16B	9			HCG002	01									LO=CHIPA	A01
01839		J3108	53											KEY	01										
01840		J3108	54											KEY	01										
00386		J3108	55							16B	9			HAH021V1	02									IOMASK3	
00975		J3108	56										M	HCC11A	01									CR5	
00384		J3108	57							16B	9			HAH018V1	02									IOMASK2	
00098		J3108	58							16B	9			HCG002	02									LO=CHIPA	A01
02188		J3108	58											GND											C01
00040		J3108	59											DNW	01										
01557		J3108	60										M	HCF080	01									FR2	
01065		J3108	61			J3113	63			16B	9			HCCR4A	01									LATCH2IN	A02
01055		J3108	62											SPO	01										A02
02020		J3108	63			J3109	62			16B	9			HCCR1A	03									CRA	A02
01061		J3108	64			J3110	62			16B	9			HCCR3A	01									LATCHI1N	A02
00976		J3108	65										M	HCC12A	01									CR6	
00977		J3108	66										M	HCC10A	01									CR4	
00099		J3108	67											GND	01										
00671		J3108	68			J3109	68			16B	9			HBFBRD1	03									LATCHRESET	
01515		J3108	69											SPA	01										A03
01049		J3108	70											DNW										ERRL1 CFZ3	
02171		J3108	71							16B	9			HCFM10	02										
01968		J3108	72			J3108	75			16B	9			HBFAJS	02									LD211	
01050		J3108	73											DNW										ERRL2 CFZ4	
01517		J3108	74											SPA	01										A03
02156		J3108	75							16B	9			HBFAJS	03										
00764		J3108	76											SPA	01										A03
00978		J3108	77										M	HCC07A	01									CR1	
00864		J3108	78			J3120	09			16B	9			HCAD10	01									LD10	
00979		J3108	79										M	HCC08A	01									CR2	
00980		J3108	80										M	HCC09A	01									CR3	

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | CONNECTOR | UNIT ASSEMBLY NO. 10281453 | FILE IDENT TSQ5CRAA | REV E | DATE 08-31-82 | INDEX J3109 | PAGE 21

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO PREFIX	TO CONNECTOR	TO PIN	WIRE CODE	WIRE COLOR		SIGNAL	SEQ NO	SIGNAL DESCRIPTION	ECO NO
01689		J3109	01		J3110	01	16B	9		HCID00	03	COMPIDB1	
00100		J3109	02							GND	01		
01702		J3109	03		J3110	03	16B	9		HCID10	03	COMPIDB1	
00546		J3109	04				16B	9		HAP18D	02	PRBANALOG6	
01754		J3109	05		J3110	05	16B	9		HCID50	03	COMPIDB1	
00832		J3109	06		J3110	06	16B	9		HC-5VDC	03		
01728		J3109	07		J3110	07	16B	9		HCID30	03	COMPIDB1	
01741		J3109	08		J3110	08	16B	9		HCID40	03	COMPIDB1	
00041		J3109	09							DNW	01		
01715		J3109	10		J3110	10	16B	9		HCID20	03	COMPIDB1	
00540		J3109	11				16B	9		HAP15D	02	PRBANALOG3	
00007		J3109	12							+5V	01		
00800		J3109	13		J3110	13	16B	9		HC+2VDC	04		
00536		J3109	14				16B	9		HAP13D	02	PRBANALOG1	
00785		J3109	15		J3110	15	16B	9		HC+1VDC	04		
00101		J3109	16							GND	01		
01215		J3109	17						M	HADASO			C02
00542		J3109	18				16B	9		HAP16D	02	PRBANALOG4	
01191		J3109	19						M	HADAPO			C02
01199		J3109	20						M	HADAQO			C02
01175		J3109	21						M	HADAMO			C02
01183		J3109	22						M	HADANO			C02
00544		J3109	23				16B	9		HAP19D	02	PRBANALOG5	A02
01207		J3109	24						M	HADATO			C02
00236		J3109	25				16B	9		HAG130V	02	EXTMASK1	
00538		J3109	26				16B	9		HAP14D	02	PRBANALOG2	
01558		J3109	27						M	HCF130	01	FR1	
00008		J3109	28							+5V	01		
01559		J3109	29						M	HCF170	01	FR5	
00244		J3109	30				16B	9		HAG190V	02	EXTMASK5	A02
00666		J3109	31		J3110	71	16B	9		HCFAGD1	04		A05
00102		J3109	32							GND	01		
00240		J3109	33				16B	9		HAG150V	02	EXTMASK3	
01560		J3109	34						M	HCF150	01	FR3	
00242		J3109	35				16B	9		HAG160V	02	EXTMASK4	
01561		J3109	36						M	HCF180	01	FR6	
00246		J3109	37				16B	9		HAG180V	02	EXTMASK6	
01562		J3109	38						M	HCF160	01	FR4	
01841		J3109	39							KEY	01		
01842		J3109	40							KEY	01		
00401		J3109	41				16B	9		HAH033V1	02	IOMASK5	A02
00238		J3109	42				16B	9		HAG140V	02	EXTMASK2	
01781		J3109	43							SPA	01		A05
00103		J3109	44							GND	01		
00403		J3109	45				16B	9		HAH032V1	02	IOMASK6	
01666		J3109	46		J3110	46	16B	9		HCF12A	01	FRAIN	
00393		J3109	47				16B	9		HAH025V1	02	IOMASK1	
01641		J3109	48		J3110	48	16B	9		HCF02A	01	FRAOUT	
01664		J3109	49		J3110	64	16B	9		HCF11A	03	FRBIN	
00399		J3109	50				16B	9		HAH028V1	02	IOMASK4	

CONNECTOR (J3109) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3109
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01639		J3109	51			J3113	64			16B	9			HCF01A	03									FRBOUT	
00042		J3109	52			J3113	52			16B	9			HCCH30	01									LO=CHIPA	A02
01843		J3109	53											KEY	01										
01844		J3109	54											KEY	01										
00397		J3109	55							16B	9			HAH027V1	02									IOMASK3	
00981		J3109	56										M	HCC17A	01									CR5	
00395		J3109	57							16B	9			HAH026V1	02									IOMASK2	
00104		J3109	58											GND	01										
00043		J3109	59											DNW	01										
01563		J3109	60										M	HCF140	01									FR2	
01075		J3109	61			J3117	63			16B	9			HCCR6A	01									LATCH2IN	A02
01058		J3109	62							16B	9			HCCR1A	04									CRB	A02
01056		J3109	63			J3110	63			16B	9			HCCR2A	02									CRA	A02
01070		J3109	64			J3115	63			16B	9			HCCR5A	01									LATCH1IN	A02
00982		J3109	65										M	HCC18A	01									CR6	
00983		J3109	66										M	HCC16A	01									CR4	
00105		J3109	67											GND	01										
00672		J3109	68			J3110	68			16B	9			HBFBRDI	04									LATCHRESET	
01519		J3109	69											SPA	01										A03
01051		J3109	70											DNW										ERRL1 CFZ5	
02022		J3109	71			J3113	73			16B	9			HCFM20	01									LD20	
01970		J3109	72			J3109	75			16B	9			HBFAKS	02									LD211	
01052		J3109	73											DNW	01									ERRL2 CFZ6	
01521		J3109	74											SPA	01										A03
02157		J3109	75							16B	9			HBFAKS	03										
00766		J3109	76											SPA	01										A03
00984		J3109	77										M	HCC13A	01									CR1	
00885		J3109	78			J3120	10			16B	9			HCAD20	01									LD10	
00985		J3109	79										M	HCC14A	01									CR2	
00986		J3109	80										M	HCC15A	01									CR3	

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DRAWING NUMBER WL10281453 — UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. I0281453 — FILE IDENT TSQ5CRAA — REV E — DATE 08-31-82 — INDEX J3110 — PAGE 23

RECORD NUMBER	FROM CONNECTOR	FROM PIN	TO CONNECTOR	TO PIN	WIRE CODE	WIRE COLOR		SIGNAL	SP NO	SIGNAL DESCRIPTION	ECO NO
01690	J3110	01	J3111	01	16B	9		HCID00	04	COMPIDB1	
00106	J3110	02						GND	01		
01703	J3110	03	J3111	03	16B	9		HCID10	04	COMPIDB1	
00558	J3110	04			16B	9		HAP21D	02	PRBANALOG6	A02
01755	J3110	05	J3111	05	16B	9		HCID50	04	COMPIDB1	
00833	J3110	06	J3111	06	16B	9		HC-5VDC	04		
01729	J3110	07	J3111	07	16B	9		HCID30	04	COMPIDB1	
01742	J3110	08	J3111	08	16B	9		HCID40	04	COMPIDB1	
00044	J3110	09	J3110	38	16B	9		HCF22A	01		A03
01716	J3110	10	J3111	10	16B	9		HCID20	04	COMPIDB1	
00552	J3110	11			16B	9		HAP24D	02	PRBANALOG3	A02
00009	J3110	12						+5V	01		
00801	J3110	13	J3111	13	16B	9		HC+2VDC	05		
00548	J3110	14			16B	9		HAP17D	02	PRBANALOG1	A02
00786	J3110	15	J3111	15	16B	9		HC+1VDC	05		
00107	J3110	16						GND	01		
01263	J3110	17					M	HADBA0			C02
00554	J3110	18			16B	9		HAP22D	02	PRBANALOG4	
01239	J3110	19					M	HADBD0			C02
01247	J3110	20					M	HADBB0			C02
01223	J3110	21					M	HADAR0			C02
01231	J3110	22					M	HADAU0			C02
00556	J3110	23			16B	9		HAP23D	02	PRBANALOG5	
01255	J3110	24					M	HADBC0			C02
00248	J3110	25			16B	9		HAGI70V	02	EXTMASK1	A02
00550	J3110	26			16B	9		HAP20D	02	PRBANALOG2	
01564	J3110	27					M	HCF190	01	FR1	
00010	J3110	28						+5V	01		
01565	J3110	29					M	HCF230	01	FR5	
00256	J3110	30			16B	9		HAG230V	02	EXTMASK5	
01631	J3110	31	J3111	31	16B	9		HCFS1A	02	LATCHENBL	
00108	J3110	32						GND	01		
00252	J3110	33			16B	9		HAG240V	02	EXTMASK3	A02
01566	J3110	34					M	HCF210	01	FR3	
00254	J3110	35			16B	9		HAG220V	02	EXTMASK4	
01567	J3110	36					M	HCF240	01	FR6	
00258	J3110	37			16B	9		HAG210V	02	EXTMASK6	A02
01568	J3110	38			16B	9		HCF22A	02		A03
01845	J3110	39						KEY	01		
01846	J3110	40						KEY	01		
00412	J3110	41			16B	9		HAH037V1	02	IOMASK5	
00250	J3110	42			16B	9		HAG200V	02	EXTMASK2	
01782	J3110	43						SPA	01		A05
00109	J3110	44						GND	01		
00414	J3110	45			16B	9		HAH035V1	02	IOMASK6	A02
01667	J3110	46	J3110	61	16B	9		HCF12A	02	FRAIN	
00405	J3110	47			16B	9		HAH031V1	02	IOMASKI	A02
01642	J3110	48	J3111	51	16B	9		HCF02A	02	FRAOUT	
02023	J3110	49	J3111	46	16B	9		HCF13A	00	FRBIN	A02
02154	J3110	50			16B	9		HAH036V1	02		

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY. ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA

REV E
DATE 08-31-82

INDEX J3110
PAGE 24

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02024		J3110	51			J3111	48			16B	9			HCF03A	00									FRBOUT	A02
00045		J3110	52			J3110	58			16B	9			HCG004	01									LO=CHIPA	A01
01847		J3110	53											KEY	01										
01848		J3110	54											KEY	01										
00409		J3110	55							16B	9			HAH038V1	02									IOMASK3	A02
00987		J3110	56										M	HCC23A	01									CR5	D02
00407		J3110	57							16B	9			HAH034V1	02									IOMASK2	
00110		J3110	58							16B	9			HCG004	02										A01
02189		J3110	58											GND											C01
00046		J3110	59											DNW	01										
01569		J3110	60										M	HCF200	01									FR2	
01668		J3110	61			J3111	49			16B	9			HCF12A	03									LATCH2IN	
01059		J3110	62			J3111	63			16B	9			HCCR3A	02									CRA	A02
02025		J3110	63			J3111	62			16B	9			HCCR2A	03									CRB	A02
01665		J3110	64							16B	9			HCF11A	04									LATCH1IN	
00988		J3110	65										M	HCC21A	01									CR6	D02
00989		J3110	66										M	HCC22A	01									CR4	D02
00111		J3110	67											GND	01										
00673		J3110	68			J3111	68			16B	9			HBFBRD1	05									LATCHRESET	
01523		J3110	69											SPA	01										A03
01618		J3110	70											DNW										ERRL1 FFIZ1	
02026		J3110	71							16B	9			HCFAGD1	05										A05
01972		J3110	72			J3110	75			16B	9			HBFAGA	01										A05
01619		J3110	73											DNW										ERRL2 FFIZ2	
01525		J3110	74											SPA	01										A03
01973		J3110	75							16B	9			HBFAGA	02									LD212	A05
00768		J3110	76											SPA	01									LD11	A03
00990		J3110	77										M	HCC17A	01									CR1	D02
00906		J3110	78			J3120	18			16B	9			HCAD30	01									LD10	
00991		J3110	79										M	HCC20A	01									CR2	
00992		J3110	80										M	HCC24A	01									CR3	D02

3-2879-1

DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | CONNECTOR | UNIT ASSEMBLY NO. 10281453 | FILE IDENT TS05CRAA | REV E | DATE 08-31-82 | INDEX J3111 | PAGE 25

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT		SIGNAL	SEG NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	SPOP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01691		J3111	01			J3112	01			16B	9			HCID00	05									COMPIDB1	
00112		J3111	02											GND	01										
01704		J3111	03			J3112	03			16B	9			HCID10	05									COMPIDB1	
00570		J3111	04							16B	9			HAP30D	02									PRBANALOG6	
01756		J3111	05			J3112	05			16B	9			HCID50	05									COMPIDB1	
00834		J3111	06			J3112	06			16B	9			HC-5VDC	05										
01730		J3111	07			J3112	07			16B	9			HCID30	05									COMPIDB1	
01743		J3111	08			J3112	08			16B	9			HCID40	05									COMPIDB1	
00047		J3111	09											DNW	01										
01717		J3111	10			J3112	10			16B	9			HCID20	05									COMPIDB1	
00564		J3111	11							16B	9			HAP25D	02									PRBANALOG3	A02
00011		J3111	12											+5V	01										
00802		J3111	13			J3112	13			16B	9			HC+2VDC	06										
00560		J3111	14							16B	9			HAP27D	02									PRBANALOG1	A02
00787		J3111	15			J3112	15			16B	9			HC+1VDC	06										
00113		J3111	16											GND	01										
01306		J3111	17										M	HADBJ0											C02
00566		J3111	18							16B	9			HAP28D	02									PRBANALOG4	
01285		J3111	19										M	HADBE0											C02
01292		J3111	20										M	HADBH0											C02
01271		J3111	21										M	HADBG0											C02
01278		J3111	22										M	HADBF0											C02
00568		J3111	23							16B	9			HAP29D	02									PRBANALOG5	
01299		J3111	24										M	HADBI0											C02
00260		J3111	25							16B	9			HAG270V	02									EXTMASK1	A02
00562		J3111	26							16B	9			HAP26D	02									PRBANALOG2	
01570		J3111	27										M	HCF250	01									FR1	
00012		J3111	28											+5V	01										
01571		J3111	29										M	HCF290	01									FR5	
00268		J3111	30							16B	9			HAG290V	02									EXTMASK5	
01632		J3111	31			J3112	31			16B	9			HCFS1A	03									LATCHENBL	
00114		J3111	32											GND	01										
00264		J3111	33							16B	9			HAG250V	02									EXTMASK3	A02
01572		J3111	34										M	HCF270	01									FR3	
00266		J3111	35							16B	9			HAG280V	02									EXTMASK4	
01573		J3111	36										M	HCF300	01									FR6	
00270		J3111	37							16B	9			HAG300V	02									EXTMASK6	
01574		J3111	38										M	HCF280	01									FR4	
01849		J3111	39											KEY	01										
01850		J3111	40											KEY	01										
00424		J3111	41							16B	9			HAH045V1	02									IOMASK5	
00262		J3111	42							16B	9			HAG260V	02									EXTMASK2	
01783		J3111	43											SPA	01										A05
00115		J3111	44											GND	01										
00426		J3111	45							16B	9			HAH046V1	02									IOMASK6	
01670		J3111	46			J3111	64			16B	9			HCF13A	01									FRAIN	
00416		J3111	47							16B	9			HAH043V1	02									IOMASK1	A02
01645		J3111	48			J3112	48			16B	9			HCF03A	01									FRAOUT	
01669		J3111	49			J3112	49			16B	9			HCF12A	04									FRBIN	A02
00422		J3111	50							16B	9			HAH044V1	02									IOMASK4	

CONNECTOR (J3111) CONTINUED ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3111
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01643		J3111	51			J3112	51			16B	9			HCF02A	03									FRBOUT	A02
00048		J3111	52			J3118	52			16B	9			HCCH10	01									LO-CHIPA	A02
01851		J3111	53											KEY	01										
01852		J3111	54											KEY	01										
00420		J3111	55							16B	9			HAH041V1	02									IOMASK3	A02
00993		J3111	56										M	HCC29A	01									CR5	
00418		J3111	57							16B	9			HAH042V1	02									IOMASK2	
00116		J3111	58											GND	01										
00049		J3111	59											DNW	01										
01575		J3111	60										M	HCF260	01									FR2	
01674		J3111	61			J3113	46			16B	9			HCF14A	01									LATCH2IN	
01062		J3111	62			J3112	62			16B	9			HCCR2A	04									CRA	A02
01060		J3111	63			J3112	63			16B	9			HCCR3A	022									CRB	A02
01671		J3111	64			J3112	46			16B	9			HCF13A	02									LATCH1IN	
00994		J3111	65										M	HCC30A	01									CR6	
00995		J3111	66										M	HCC28A	01									CR4	
00117		J3111	67											GND	01										
00674		J3111	68			J3112	68			16B	9			HBF8RD1	06									LATCHRESET	
01527		J3111	69											SPA	01									GATDERR1	A03
01620		J3111	70											DNW										ERRL1 FFIZ3	
02027		J3111	71											SPO	01									LD20	
01974		J3111	72											SPI	01									LD211	
01621		J3111	73											DNW										ERRL2 FFIZ4	
01529		J3111	74											SPA	01									GATDERR2	A03
01975		J3111	75											SPI	01									LD212	
00770		J3111	76											SPA	01									LD11	A03
00996		J3111	77										M	HCC25A	01									CR1	
00927		J3111	78			J3120	23			16B	9			HCAD40	01									LD10	
00997		J3111	79										M	HCC26A	01									CR2	
00998		J3111	80										M	HCC27A	01									CR3	

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | CONNECTOR | UNIT ASSEMBLY NO 10281453 | FILE IDENT TSQ5CRAA | REV E | DATE 08-31-82 | INDEX J3112 | PAGE 27

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST	SIGNAL	SEG NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GAP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01692		J3112	01			J3113	01			16B	9			HCID00	06									COMPIDB1	
00118		J3112	02											GND	01										
01705		J3112	03			J3113	03			16B	9			HCID10	06									COMPIDB1	
00582		J3112	04							16B	9			HAP36D	02									PRBANALOG6	
01757		J3112	05			J3113	05			16B	9			HCID50	06									COMPIDB1	
00835		J3112	06			J3113	06			16B	9			HC-5VDC	06										
01731		J3112	07			J3113	07			16B	9			HCID30	06									COMPIDB1	
01744		J3112	08			J3113	08			16B	9			HCID40	06									COMPIDB1	
00050		J3112	09											DNW	01										
01718		J3112	10			J3113	10			16B	9			HCID20	06									COMPIDB1	
00576		J3112	11							16B	9			HAP33D	02									PRBANALOG3	
00013		J3112	12											+5V	01										
00803		J3112	13			J3113	13			16B	9			HC+2VDC	07										
00572		J3112	14							16B	9			HAP31D	02									PRBANALOG1	
00788		J3112	15			J3113	15			16B	9			HC+1VDC	07										
00119		J3112	16											GND	01										
01342		J3112	17										M	HADBQ0											C02
00578		J3112	18							16B	9			HAP34D	02									PRBANALOG4	
01327		J3112	19										M	HADBM0											C02
01332		J3112	20										M	HADBN0											C02
01313		J3112	21										M	HADBK0											C02
01320		J3112	22										M	HADBL0											C02
00580		J3112	23							16B	9			HAP35D	02									PRBANALOG5	
01337		J3112	24										M	HADBP0											C02
00272		J3112	25							16B	9			HAG310V	02									EXTMASK1	
00574		J3112	26							16B	9			HAP32D	02									PRBANALOG2	
01576		J3112	27										M	HCF310	01									FR1	
00014		J3112	28											+5V	01										
01577		J3112	29										M	HCF350	01									FR5	
00280		J3112	30							16B	9			HAG350V	02									EXTMASK5	
01633		J3112	31			J3113	31			16B	9			HCFS1A	04									LATCHENBL	
00120		J3112	32											GND	01										
00276		J3112	33							16B	9			HAG330V	02									EXTMASK3	
01578		J3112	34										M	HCF330	01									FR3	
00278		J3112	35							16B	9			HAG340V	02									EXTMASK4	
01579		J3112	36										M	HCF360	01									FR6	
00282		J3112	37							16B	9			HAG360V	02									EXTMASK6	
01580		J3112	38										M	HCF340	01									FR4	
01853		J3112	39											KEY	01										
01854		J3112	40											KEY	01										
00436		J3112	41							16B	9			HAH053V1	02									IOMASK5	
00274		J3112	42							16B	9			HAG320V	02									EXTMASK2	
01784		J3112	43											SPA	01										A05
00121		J3112	44											GND	01										
00438		J3112	45							16B	9			HAH054V1	02									IOMASK6	
01672		J3112	46			J3113	49			16B	9			HCF13A	03									FRAIN	
00428		J3112	47							16B	9			HAH047V1	02									IOMASK1	
01646		J3112	48			J3113	51			16B	9			HCF03A	02									FRAOUT	
02028		J3112	49							16B	9			HCF12A	05									FRBIN	A02
00434		J3112	50							16B	9			HAH052V1	02									IOMASK4	

CONNECTOR (J3112) CONTINUED ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3112
PAGE 28

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02029		J3112	51			J3113	61			16B	9			HCF02A	033									FRBOUT	A02
00051		J3112	52			J3112	58			16B	9			HCG006	01									LO=CHIPA	A01
01855		J3112	53											KEY	01										
01856		J3112	54											KEY	01										
00432		J3112	55							16B	9			HAH051V1	02									IOMASK3	
00999		J3112	56										M	HCC35A	01									CR5	
00430		J3112	57							16B	9			HAH048V1	02									IOMASK2	
00122		J3112	58											GND	01										
02183		J3112	58							16B	9			HCG006	02										A01
00052		J3112	59											DNW	01										
01581		J3112	60			J3112	72			16B	9			HCF629A	01									FR2	A02
01684		J3112	61			J3117	46			16B	9			HCF16A	01									LATCH2IN	
01063		J3112	62							16B	9			HCCR2A	05									CRA	A02
02030		J3112	63			J3113	62			16B	9			HCCR3A	03									CRB	A02
01679		J3112	64			J3115	46			16B	9			HCF15A	01									LATCH1IN	
01000		J3112	65										M	HCC36A	01									CR6	
01001		J3112	66										M	HCC34A	01									CR4	
00123		J3112	67											GND	01										
00675		J3112	68			J3113	68			16B	9			HBFBRDI	07									LATCHRESET	
01531		J3112	69											SPA	01									GATDERR1	A03
01622		J3112	70											DNW										ERRL1 FFIZ5	
02031		J3112	71			J3113	72			16B	9			HCF6290	01									LD20	A02
01976		J3112	72			J3112	75			16B	9			HCF629A	02									LD211	A02
01623		J3112	73											DNW										ERRL2 FFIZ6	
01533		J3112	74											SPA	01										A03
01977		J3112	75							16B	9			HCF629A	03									LD212	A02
00772		J3112	76											SPA	01									LD11	A03
01002		J3112	77										M	HCC31A	01									CR1	
00948		J3112	78			J3120	24			16B	9			HCAD50	01									LD10	
01003		J3112	79										M	HCC32A	01									CR2	
01004		J3112	80										M	HCC33A	01									CR3	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 FILE IDENT TSQ5CRAA REV E DATE 08-31-82 INDEX J3113 PAGE 29

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST M.S.	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01693		J3113	01			J3113	78			16B	9			HCID00	07									COMPIDB1	
00124		J3113	02											GND	01										
01706		J3113	03			J3114	03			16B	9			HCID10	07									COMPIDB1	
00594		J3113	04							16B	9			HAP42D	02									PRBANALOG6	
01758		J3113	05			J3114	05			16B	9			HCID50	07									COMPIDB1	
00836		J3113	06			J3114	06			16B	9			HC-5VDC	07										
01732		J3113	07			J3114	07			16B	9			HCID30	07									COMPIDB1	
01745		J3113	08			J3114	08			16B	9			HCID40	07									COMPIDB1	
00053		J3113	09											DNW	01										
01719		J3113	10			J3114	10			16B	9			HCID20	07									COMPIDB1	
00588		J3113	11							16B	9			HAP39D	02									PRBANALOG3	
00015		J3113	12											+5V	01										
00804		J3113	13			J3114	13			16B	9			HC+2VDC	08										
00584		J3113	14							16B	9			HAP37D	02									PRBANALOG1	
00789		J3113	15			J3114	15			16B	9			HC+1VDC	08										
00125		J3113	16											GND	01										
01372		J3113	17										M	HADBW0											C02
00590		J3113	18							16B	9			HAP40D	02									PRBANALOG4	
01357		J3113	19										M	HADBT0											C02
01362		J3113	20										M	HADBU0											C02
01347		J3113	21										M	HADBR0											C02
01352		J3113	22										M	HADBS0											C02
00592		J3113	23							16B	9			HAP41D	02									PRBANALOG5	
01367		J3113	24										M	HADBV0											C02
00284		J3113	25							16B	9			HAG370V	02									EXTMASK1	
00586		J3113	26							16B	9			HAP38D	02									PRBANALOG2	
01582		J3113	27										M	HCF370	01									FR1	
00016		J3113	28											+5V	01										
01583		J3113	29										M	HCF410	01									FR5	
00292		J3113	30							16B	9			HAG410V	02									EXTMASK5	
01634		J3113	31			J3114	31			16B	9			HCFS1A	05									LATCHENBL	
00126		J3113	32											GND	01										
00288		J3113	33							16B	9			HAG390V	02									EXTMASK3	
01584		J3113	34										M	HCF390	01									FR3	
00290		J3113	35							16B	9			HAG400V	02									EXTMASK4	
01585		J3113	36										M	HCF420	01									FR6	
00294		J3113	37							16B	9			HAG420V	02									EXTMASK6	
01586		J3113	38										M	HCF400	01									FR4	
01857		J3113	39											KEY	01										
01858		J3113	40											KEY	01										
00448		J3113	41							16B	9			HAH061V1	02									IOMASK5	
00286		J3113	42							16B	9			HAG380V	02									EXTMASK2	
01785		J3113	43											SPA	01										A05
00127		J3113	44											GND	01										
00450		J3113	45							16B	9			HAH062V1	02									IOMASK6	
01675		J3113	46			J3114	46			16B	9			HCF14A	02									FRAIN	
00440		J3113	47							16B	9			HAH055V1	02									IOMASK1	
01649		J3113	48			J3114	48			16B	9			HCF04A	01									FRAOUT	
01673		J3113	49			J3114	49			16B	9			HCF13A	04									FRBIN	A02
00446		J3113	50							16B	9			HAH058V1	02									IOMASK4	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3113
PAGE 30

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01647		J3113	51			J3114	51			16B	9			HCF03A	03									FRBOUT	A02
01041		J3113	52			J3115	52			16B	9			HCCH30	02									LO=CHIPA	A02
01859		J3113	53											KEY	01										
01860		J3113	54											KEY	01										
00444		J3113	55							16B	9			HAH057V1	02									IOMASK3	
01005		J3113	56										M	HCC41A	01									CR5	
00442		J3113	57							16B	9			HAH056V1	02									IOMASK2	
00128		J3113	58											GND	01										
00054		J3113	59											DNW	01										
01587		J3113	60										M	HCF380	01									FR2	
01644		J3113	61			J3113	71			16B	9			HCF02A	04									LATCH2IN	A02
01066		J3113	62			J3114	62			16B	9			HCCR3A	04									CRA	A02
01064		J3113	63			J3114	63			16B	9			HCCR4A	02									CRB	A02
01640		J3113	64							16B	9			HCF01A	04									LATCH1IN	
01006		J3113	65										M	HCC42A	01									CR6	
01007		J3113	66										M	HCC40A	01									CR4	
00129		J3113	67											GND	01										
00676		J3113	68			J3114	68			16B	9			HBFBRD1	08									LATCHRESET	
01535		J3113	69											SPA	01									GATDERR1	A03
01624		J3113	70			J3108	71			16B	9			HCFM10	01									ERRL1 FF0Z1	
02032		J3113	71							16B	9			HCF02A	05									LD20	A02
01978		J3113	72							16B	9			HCF6290	02									LD211	A02
02172		J3113	73							16B	9			HCFM20	02										
01537		J3113	74											SPA	01										A03
01979		J3113	75			J3114	75			16B	9			HCCH20	01									LD212	A02
00356		J3113	76							16B	9			HAHA0AV	02									LD11	
01008		J3113	77										M	HCC37A	01									CR1	
01694		J3113	78			J3114	01			16B	9			HCID00	08									LD10	
01009		J3113	79										M	HCC38A	01									CR2	
01010		J3113	80										M	HCC39A	01									CR3	

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | CONNECTOR | UNIT ASSEMBLY NO 10281453 | FILE IDENT TS05CRAA | REV E | DATE 08-31-82 | INDEX J3114 | PAGE 31

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPEC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	SPCR	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01695		J3114	01			J3115	01			16B	9			HCID00	09									COMPIDB1	
00130		J3114	02											GND	01										
01707		J3114	03			J3114	78			16B	9			HCID10	08									COMPIDB1	
00606		J3114	04							16B	9			HAP48D	02									PRBANALOG6	
01759		J3114	05			J3115	05			16B	9			HCID50	08									COMPIDB1	
00837		J3114	06			J3115	06			16B	9			HC-5VDC	08										
01733		J3114	07			J3115	07			16B	9			HCID30	08									COMPIDB1	
01746		J3114	08			J3115	08			16B	9			HCID40	08									COMPIDB1	
00055		J3114	09											DNW	01										
01720		J3114	10			J3115	10			16B	9			HCID20	08									COMPIDB1	
00600		J3114	11							16B	9			HAP45D	02									PRBANALOG3	
00017		J3114	12											+5V	01										
00805		J3114	13			J3115	13			16B	9			HC+2VDC	09										
00596		J3114	14							16B	9			HAP43D	02									PRBANALOG1	
00790		J3114	15			J3115	15			16B	9			HC+1VDC	09										
00131		J3114	16											GND	01										
01402		J3114	17										M	HADCF0											C02
00602		J3114	18							16B	9			HAP46D	02									PRBANALOG4	
01387		J3114	19										M	HADCC0											C02
01392		J3114	20										M	HADCD0											C02
01377		J3114	21										M	HADCA0											C02
01382		J3114	22										M	HADBC0											C02
00604		J3114	23							16B	9			HAP47D	02									PRBANALOG5	
01397		J3114	24										M	HADCE0											C02
00296		J3114	25							16B	9			HAG430V	02									EXTMASK1	
00598		J3114	26							16B	9			HAP44D	02									PRBANALOG2	
01588		J3114	27										M	HCF430	01									FR1	
00018		J3114	28											+5V	01										
01589		J3114	29										M	HCF470	01									FR5	
00304		J3114	30							16B	9			HAG470V	02									EXTMASK5	
01635		J3114	31			J3115	31			16B	9			HCFS1A	06									LATCHENBL	
00132		J3114	32											GND	01										
00300		J3114	33							16B	9			HAG450V	02									EXTMASK3	
01590		J3114	34										M	HCF450	01									FR3	
00302		J3114	35							16B	9			HAG460V	02									EXTMASK4	
01591		J3114	36										M	HCF480	01									FR6	
00306		J3114	37							16B	9			HAG480V	02									EXTMASK6	
01592		J3114	38										M	HCF460	01									FR4	
01861		J3114	39											KEY	01										
01862		J3114	40											KEY	01										
00460		J3114	41							16B	9			HAH067V1	02									IOMASK5	
00298		J3114	42							16B	9			HAG440V	02									EXTMASK2	
01786		J3114	43											SPA	01										A05
00133		J3114	44											GND	01										
00462		J3114	45							16B	9			HAH068V1	02									IOMASK6	
01676		J3114	46			J3115	49			16B	9			HCF14A	03									FRAIN	
00452		J3114	47							16B	9			HAH063V1	02									IOMASK1	
01650		J3114	48			J3114	61			16B	9			HCF04A	02									FRAOUT	
02033		J3114	49							16B	9			HCF13A	05									FRBIN	A02
00458		J3114	50							16B	9			HAH066V1	02									IOMASK4	

CONNECTOR (J3114) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3114
FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 32

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02034		J3114	51			J3114	64			16B	9			HCF03A	033									FRBOUT	A02
00056		J3114	52			J3114	58			16B	9			HCG007	01									LO=CHIPA	A01
01863		J3114	53											KEY	01										
01864		J3114	54											KEY	01										
00456		J3114	55							16B	9			HAH065V1	02									IOMASK3	
01011		J3114	56										M	HCC47A	01									CR5	
00454		J3114	57							16B	9			HAH064V1	02									IOMASK2	
00134		J3114	58											GND	01										
02184		J3114	58							16B	9			HCG007	02										A01
00057		J3114	59											DNW	01										
01593		J3114	60										M	HCF440	01									FR2	
01651		J3114	61			J3114	71			16B	9			HCF04A	03									LATCH2IN	A02
01067		J3114	62							16B	9			HCCR3A	05									CRA	A02
02035		J3114	63			J3115	62			16B	9			HCCR4A	03									CRB	A02
01648		J3114	64							16B	9			HCF03A	04									LATCH1IN	
01012		J3114	65										M	HCC48A	01									CR6	
01013		J3114	66										M	HCC46A	01									CR4	
00135		J3114	67											GND	01										
00677		J3114	68			J3115	68			16B	9			HBFBRD1	09									LATCHRESET	
01539		J3114	69											SPA	01										A03
01626		J3114	70											DNW										ERRL1 FF0Z3	
02036		J3114	71			J3115	51			16B	9			HCF04A	033									LD20	A02
01980		J3114	72			J3115	71			16B	9			HCH6290	01									LD211	A02
01627		J3114	73											DNW										ERRL2 FF0Z4	
01541		J3114	74											SPA	01									GATDERR2	A03
01981		J3114	75			J3124	03			16B	9			HCCH20	02									LD212	A02
00358		J3114	76							16B	9			HAHA1AV	02									LD11	
01014		J3114	77										M	HCC43A	01									CR1	
01708		J3114	78			J3115	03			16B	9			HCID10	09									LD10	
01015		J3114	79										M	HCC44A	01									CR2	
01016		J3114	80										M	HCC45A	01									CR3	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3115
FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 33

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO PREFIX	TO CONNECTOR	TO PIN	WIRE CODE	WIRE COLOR	WIRE IDENT		SIGNAL	SEG NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	SPOP	LOAD OR POWER PLANE	TEST POINTS	SIGNAL DESCRIPTION	ECO NO
01696		J3115	01		J3116	01	16B	9			HCID00	10								COMPIDB1	
00136		J3115	02								GND	01									
01709		J3115	03		J3116	03	16B	9			HCID10	10								COMPIDB1	
00618		J3115	04				16B	9			HAP54D	02								PRBANALOG6	
01760		J3115	05		J3116	05	16B	9			HCID50	09								COMPIDB1	
00838		J3115	06		J3116	06	16B	9			HC-5VDC	09									
01734		J3115	07		J3116	07	16B	9			HCID30	09								COMPIDB1	
01747		J3115	08		J3116	08	16B	9			HCID40	09								COMPIDB1	
00058		J3115	09								DNW	01									
01721		J3115	10		J3115	78	16B	9			HCID20	09								COMPIDB1	
00612		J3115	11				16B	9			HAP51D	02								PRBANALOG3	
00019		J3115	12								+5V	01									
00806		J3115	13		J3116	13	16B	9			HC+2VDC	10									
00608		J3115	14				16B	9			HAP49D	02								PRBANALOG1	
00791		J3115	15		J3116	15	16B	9			HC+1VDC	10									
00137		J3115	16								GND	01									
01427		J3115	17							M	HADCL0										C02
00614		J3115	18				16B	9			HAP52D	02								PRBANALOG4	
01415		J3115	19							M	HADCI0										C02
01419		J3115	20							M	HADCJ0										C02
01407		J3115	21							M	HADCG0										C02
01411		J3115	22							M	HADCH0										C02
00616		J3115	23				16B	9			HAP53D	02								PRBANALOG5	
01423		J3115	24							M	HADCK0										C02
00308		J3115	25				16B	9			HAG490V	02								EXTMASK1	
00610		J3115	26				16B	9			HAP50D	02								PRBANALOG2	
01594		J3115	27							M	HCF490	01								FR1	
00020		J3115	28								+5V	01									
01595		J3115	29							M	HCF530	01								FR5	
00316		J3115	30				16B	9			HAG530V	02								EXTMASK5	
01636		J3115	31				16B	9			HCFSIA	07								LATCHENBL	
00138		J3115	32								GND	01									
00312		J3115	33				16B	9			HAG510V	02								EXTMASK3	
01596		J3115	34							M	HCF510	01								FR3	
00314		J3115	35				16B	9			HAG520V	02								EXTMASK4	
01597		J3115	36							M	HCF540	01								FR6	
00318		J3115	37				16B	9			HAG540V	02								EXTMASK6	
01598		J3115	38							M	HCF520	01								FR4	
01865		J3115	39								KEY	01									
01866		J3115	40								KEY	01									
00472		J3115	41				16B	9			HAH075V1	02								IOMASK5	
00310		J3115	42				16B	9			HAG500V	02								EXTMASK2	
01787		J3115	43								SPA	01									A05
00139		J3115	44								GND	01									
00474		J3115	45				16B	9			HAH076V1	02								IOMASK6	
01680		J3115	46		J3116	46	16B	9			HCF15A	02								FRAIN	
00464		J3115	47				16B	9			HAH071V1	02								IOMASK1	
01654		J3115	48		J3115	64	16B	9			HCF05A	01								FRAOUT	
01677		J3115	49		J3116	49	16B	9			HCF14A	04								FRBIN	
00470		J3115	50				16B	9			HAH074V1	02								IOMASK4	

CONNECTOR (J3115) CONTINUED ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY. ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3115
PAGE 34

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01652		J3115	51			J3116	51			16B	9			HCF04A	04									FRBOUT	
01043		J3115	52			J3117	52			16B	9			HCCH30	03									LO=CHIPA	A02
01867		J3115	53											KEY	01										
01868		J3115	54											KEY	01										
00468		J3115	55							16B	9			HAH073V1	02									IOMASK3	
01017		J3115	56										M	HCC53A	01									CR5	
00466		J3115	57							16B	9			HAH072V1	02									IOMASK2	
00140		J3115	58											GND	01										
00059		J3115	59											DNW	01										
01599		J3115	60			J3115	72			16B	9		M	HCH629A	01									FR2	A02
01659		J3115	61			J3117	48			16B	9			HCF06A	01									LATCH2IN	
01071		J3115	62			J3116	62			16B	9			HCCR4A	04									CRA	A02
01068		J3115	63			J3116	63			16B	9			HCCR5A	02									CRB	A02
01655		J3115	64			J3116	48			16B	9			HCF05A	02									LATCH1IN	
01018		J3115	65										M	HCC54A	01									CR6	
01019		J3115	66										M	HCC52A	01									CR4	
00141		J3115	67											GND	01										
00678		J3115	68			J3116	68			16B	9			HBFBRDI	10									LATCHRESET	
01543		J3115	69											SPA	01										A03
01628		J3115	70											DNW										ERRL1 FF0Z5	
02037		J3115	71							16B	9			HCH6290	02									LD20	A02
01982		J3115	72			J3115	75			16B	9			HCH629A	02									LD211	A02
01629		J3115	73											DNW										ERRL2 FF0Z6	
01545		J3115	74											SPA	01										A03
02080		J3115	75							16B	9			HCH629A	03									LD212	A02
00360		J3115	76							16B	9			HAHA2AV	02									LD11	
01020		J3115	77										M	HCC49A	01									CR1	
01722		J3115	78			J3116	10			16B	9			HCID20	10									LD10	
01021		J3115	79										M	HCC50A	01									CR2	
01022		J3115	80										M	HCC51A	01									CR3	

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | CONNECTOR | UNIT ASSEMBLY NO 10281453 | FILE IDENT TSQ5CRAA | REV E | DATE 08-31-82 | INDEX J3116 | PAGE 35

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SHLD	TO PREFIX	TO CONNECTOR	TO PIN	SHLD	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPECIAL	SIGNAL	SIG NO	EQUATION	TERM	FACTOR	CAT OF CHIP TYPE	LOAD OF POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01697		J3116	01			J3117	01			16B	9			HCID00	11								COMPIDB1	
00142		J3116	02											GND	01									
01710		J3116	03			J3117	03			16B	9			HCID10	11								COMPIDB1	
00630		J3116	04							16B	9			HAP60D	02								PRBANALOG6	
01761		J3116	05			J3117	05			16B	9			HCID50	10								COMPIDB1	
00839		J3116	06			J3117	06			16B	9			HC-5VDC	10									
01735		J3116	07			J3116	78			16B	9			HCID30	10								COMPIDB1	
01748		J3116	08			J3117	08			16B	9			HCID40	10								COMPIDB1	
00060		J3116	09											DNW	01									
01723		J3116	10			J3117	10			16B	9			HCID20	11								COMPIDB1	
00624		J3116	11							16B	9			HAP57D	02								PRBANALOG3	
00021		J3116	12											+5V	01									
00807		J3116	13			J3117	13			16B	9			HC+2VDC	11									
00620		J3116	14							16B	9			HAP55D	02								PRBANALOG1	
00792		J3116	15			J3117	15			16B	9			HC+1VDC	11									
00143		J3116	16											GND	01									
01448		J3116	17										M	HADCS0										C02
00626		J3116	18							16B	9			HAP58D	02								PRBANALOG4	
01439		J3116	19										M	HADCP0										C02
01442		J3116	20										M	HADCQ0										C02
01431		J3116	21										M	HADCM0										C02
01435		J3116	22										M	HADCN0										C02
00628		J3116	23							16B	9			HAP59D	02								PRBANALOG5	
01445		J3116	24										M	HADCR0										C02
00320		J3116	25							16B	9			HAG550V	02								EXTMASK1	
00622		J3116	26							16B	9			HAP56D	02								PRBANALOG2	
01600		J3116	27										M	HCF550	01								FR1	
00022		J3116	28											+5V	01									
01601		J3116	29										M	HCF590	01								FR5	
00328		J3116	30							16B	9			HAG590V	02								EXTMASK5	
01983		J3116	31											SPI	01								LATCHENBL	
00144		J3116	32											GND	01									
00324		J3116	33							16B	9			HAG570V	02								EXTMASK3	
01602		J3116	34										M	HCF570	01								FR3	
00326		J3116	35							16B	9			HAG580V	02								EXTMASK4	
01603		J3116	36										M	HCF600	01								FR6	
00330		J3116	37							16B	9			HAG600V	02								EXTMASK6	
01604		J3116	38										M	HCF580	01								FR4	
01869		J3116	39											KEY	01									
01870		J3116	40											KEY	01									
00484		J3116	41							16B	9			HAH083V1	02								IOMASK5	
00322		J3116	42							16B	9			HAG560V	02								EXTMASK2	
01788		J3116	43											SPA	01									A05
00145		J3116	44											GND	01									
00486		J3116	45							16B	9			HAH084V1	02								IOMASK6	
01681		J3116	46			J3117	49			16B	9			HCF15A	03								FRAIN	
00476		J3116	47							16B	9			HAH077V1	02								IOMASK1	
01656		J3116	48			J3117	51			16B	9			HCF05A	03								FRAOUT	
01678		J3116	49							16B	9			HCF14A	05								FRBIN	
00482		J3116	50							16B	9			HAH082V1	02								IOMASK4	

CONNECTOR (J3116) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3116
FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 36

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01653		J3116	51							16B	9			HCF04A	05									FRBOUT	
00061		J3116	52			J3116	58			16B	9			HCG008	01									LO=CHIPA	A01
01871		J3116	53											KEY	01										
01872		J3116	54											KEY	01										
00480		J3116	55							16B	9			HAH081V1	02									IOMASK3	
01023		J3116	56										M	HCC59A	01									CR5	
00478		J3116	57							16B	9			HAH078V1	02									IOMASK2	
00146		J3116	58											GND	01										
02185		J3116	58							16B	9			HCG008	02										A01
00062		J3116	59											DNW	01										
01605		J3116	60										M	HCF560	01									FR2	
01984		J3116	61											SPI	01									LATCH2IN	
01072		J3116	62							16B	9			HCCR4A	05									CRA	A02
01069		J3116	63			J3117	62			16B	9			HCCR5A	03									CRB	A02
01985		J3116	64											SPI	01									LATCH1IN	
01024		J3116	65										M	HCC60A	01									CR6	
01025		J3116	66										M	HCC58A	01									CR4	
00147		J3116	67											GND	01										
00679		J3116	68			J3117	68			16B	9			HBFBRD1	11									LATCHRESET	
02038		J3116	69											SPO	01									GATDERR1	
02039		J3116	70											SPO	01									ERRL1	
02040		J3116	71											SPO	01									LD20	
01986		J3116	72											SPI	01									LD211	
02041		J3116	73											SPO	01									ERRL2	
02042		J3116	74											SPO	01									GATDERR2	
01987		J3116	75											SPI	01									LD212	
00362		J3116	76							16B	9			HAHA3AV	02									LD11	
01026		J3116	77										M	HCC55A	01									CR1	
01736		J3116	78			J3117	07			16B	9			HCID30	11									LD10	
01027		J3116	79										M	HCC56A	01									CR2	
01028		J3116	80										M	HCC57A	01									CR3	

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 | FILE IDENT TSQ5CRAA | REV E | DATE 08-31-82 | INDEX J3117 | PAGE 37

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO PREFIX	TO CONNECTOR	TO PIN	WIRE CODE	WIRE COLOR		SIGNAL	SEQ NO	SIGNAL DESCRIPTION	ECO NO
01698		J3117	01		J3118	01	16B	9		HCID00	12	COMPIDB1	
00148		J3117	02							GND	01		
01711		J3117	03		J3118	03	16B	9		HCID10	12	COMPIDB1	
00642		J3117	04				16B	9		HAP66D	02	PRBANALOG6	
01762		J3117	05		J3118	05	16B	9		HCID50	11	COMPIDB1	
00840		J3117	06		J3118	06	16B	9		HC-5VDC	11		
01737		J3117	07		J3118	07	16B	9		HCID30	12	COMPIDB1	
01749		J3117	08		J3117	78	16B	9		HCID40	11	COMPIDB1	
00063		J3117	09							DNW	01		
01724		J3117	10		J3118	10	16B	9		HCID20	12	COMPIDB1	
00636		J3117	11				16B	9		HAP63D	02	PRBANALOG3	
00023		J3117	12							+5V	01		
00808		J3117	13		J3118	13	16B	9		HC+2VDC	12		
00632		J3117	14				16B	9		HAP61D	02	PRBANALOG1	
00793		J3117	15		J3118	15	16B	9		HC+1VDC	12		
00149		J3117	16							GND	01		
01469		J3117	17						M	HADCY0			C02
00638		J3117	18				16B	9		HAP64D	02	PRBANALOG4	
01457		J3117	19						M	HADCV0			C02
01460		J3117	20						M	HADCW0			C02
01451		J3117	21						M	HADCT0			C02
01454		J3117	22						M	HADCU0			C02
00640		J3117	23				16B	9		HAP65D	02	PRBANALOG5	
01463		J3117	24						M	HADCX0			C02
00332		J3117	25				16B	9		HAG610V	02	EXTMASK1	
00634		J3117	26				16B	9		HAP62D	02	PRBANALOG2	
01606		J3117	27						M	HCF610	01	FR1	
00024		J3117	28							+5V	01		
01607		J3117	29						M	HCF650	01	FR5	
00340		J3117	30				16B	9		HAG650V	02	EXTMASK5	
01988		J3117	31							SPI	01	LATCHENBL	
00150		J3117	32							GND	01		
00336		J3117	33				16B	9		HAG630V	02	EXTMASK3	
01608		J3117	34						M	HCF630	01	FR3	
00338		J3117	35				16B	9		HAG640V	02	EXTMASK4	
01609		J3117	36						M	HCF660	01	FR6	
00342		J3117	37				16B	9		HAG660V	02	EXTMASK6	
01610		J3117	38						M	HCF640	01	FR4	
01873		J3117	39							KEY	01		
01874		J3117	40							KEY	01		
00496		J3117	41				16B	9		HAH091V1	02	IOMASK5	
00334		J3117	42				16B	9		HAG620V	02	EXTMASK2	
01789		J3117	43							SPA	01		A05
00151		J3117	44							GND	01		
00498		J3117	45				16B	9		HAH092V1	02	IOMASK6	
01685		J3117	46		J3118	46	16B	9		HCF16A	02	FRAIN	
00488		J3117	47				16B	9		HAH085V1	02	IOMASK1	
01660		J3117	48		J3118	48	16B	9		HCF06A	02	FRAOUT	
01682		J3117	49		J3118	49	16B	9		HCF15A	04	FRBIN	
00494		J3117	50				16B	9		HAH088V1	02	IOMASK4	

CONNECTOR (J3117) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3117
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01657		J3117	51			J3118	51			16B	9			HCF05A	04									FRBOUT	
01045		J3117	52			J3124	04			16B	9			HCCH30	04									LO=CHIPA	A02
01875		J3117	53											KEY	01										
01876		J3117	54											KEY	01										
00492		J3117	55							16B	9			HAH087V1	02									IOMASK3	
01029		J3117	56										M	HCC65A	01									CR5	
00490		J3117	57							16B	9			HAH086V1	02									IOMASK2	
00152		J3117	58											GND	01										
00064		J3117	59											DNW	01										
01611		J3117	60										M	HCF620	01									FR2	
01989		J3117	61											SPI	01									LATCH2IN	
01076		J3117	62			J3118	62			16B	9			HCCR5A	04									CRA	A02
01073		J3117	63			J3118	63			16B	9			HCCR6A	02									CRB	A02
01990		J3117	64											SPI	01									LATCH1IN	
01030		J3117	65										M	HCC66A	01									CR6	
01031		J3117	66										M	HCC64A	01									CR4	
00153		J3117	67											GND	01										
00680		J3117	68			J3118	68			16B	9			HBFBRD1	12									LATCHRESET	
02043		J3117	69											SPO	01									GATDERR1	
02044		J3117	70											SPO	01									ERRL1	
01768		J3117	71											SPO	01									LD20NGRZPRBSLCMD	A02
00659		J3117	72											SPI	01									LD211DNRGZPRBSLCMD	A02
02045		J3117	73											SPO	01									ERRL2	
02046		J3117	74											SPO	01									GATDERR2	
00660		J3117	75											SPI	01									LD212	A02
00364		J3117	76							16B	9			HAHA4AV	02									LD11	
01032		J3117	77										M	HCC61A	01									CR1	
01750		J3117	78			J3118	08			16B	9			HCID40	12									LD10	
01033		J3117	79										M	HCC62A	01									CR2	
01034		J3117	80										M	HCC63A	01									CR3	

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | CONNECTOR | UNIT ASSEMBLY NO 10281453 | FILE IDENT TSQ5CRAA | REV E | DATE 08-31-82 | INDEX J3118 | PAGE 39

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO PREFIX	TO CONNECTOR	TO PIN	WIRE CODE	WIRE COLOR		SIGNAL	SPEC NO	SIGNAL DESCRIPTION	ECO NO
01795		J3118	01		J3124	08	16B	9		HCID00	13	AD70	
00154		J3118	02							GND	01		
01796		J3118	03		J3124	09	16B	9		HCID10	13	AD71	
00654		J3118	04				16B	9		HAP72D	02	PRBANALOG6	
01763		J3118	05		J3118	78	16B	9		HCID50	12	COMPIDB1	
00841		J3118	06		J3119	51	16B	9		HC-5VDC	12		
01798		J3118	07		J3124	18	16B	9		HCID30	13	AD73	
01799		J3118	08		J3124	23	16B	9		HCID40	13	AD74	
00065		J3118	09							DNW	01		
01797		J3118	10		J3124	10	16B	9		HCID20	13	AD72	
00648		J3118	11				16B	9		HAP69D	02	PRBANALOG3	
00025		J3118	12							+5V	01		
00809		J3118	13		J3119	49	16B	9		HC+2VDC	13		
00644		J3118	14				16B	9		HAP67D	02	PRBANALOG1	
00794		J3118	15		J3119	79	16B	9		HC+1VDC	13		
00155		J3118	16							GND	01		
01505		J3118	17						M	HADDE0			C02
00650		J3118	18				16B	9		HAP70D	02	PRBANALOG4	
01487		J3118	19						M	HADDB0			C02
01493		J3118	20						M	HADDC0			C02
01475		J3118	21						M	HADCZ0			C02
01481		J3118	22						M	HADDA0			C02
00652		J3118	23				16B	9		HAP71D	02	PRBANALOG5	
01499		J3118	24						M	HADDD0			C02
00344		J3118	25				16B	9		HAG670V	02	EXTMASK1	
00646		J3118	26				16B	9		HAP68D	02	PRBANALOG2	
01612		J3118	27						M	HCF670	01	FR1	
00026		J3118	28							+5V	01		
01613		J3118	29						M	HCF710	01	FR5	
00352		J3118	30				16B	9		HAG710V	02	EXTMASK5	
01991		J3118	31							SPI	01	LATCHENBL	
00156		J3118	32							GND	01		
00348		J3118	33				16B	9		HAG690V	02	EXTMASK3	
01614		J3118	34						M	HCF690	01	FR3	
00350		J3118	35				16B	9		HAG700V	02	EXTMASK4	
01615		J3118	36						M	HCF720	01	FR6	
00354		J3118	37				16B	9		HAG720V	02	EXTMASK6	
01616		J3118	38						M	HCF700	01	FR4	
01877		J3118	39							KEY	01		
01878		J3118	40							KEY	01		
00508		J3118	41				16B	9		HAH097V1	02	IOMASK5	
00346		J3118	42				16B	9		HAG680V	02	EXTMASK2	
01790		J3118	43							SPA	01		A05
00157		J3118	44							GND	01		
00510		J3118	45				16B	9		HAH098V1	02	IOMASK6	
01686		J3118	46				16B	9		HCF16A	03	FRAIN	
00500		J3118	47				16B	9		HAH093V1	02	IOMASK1	
01661		J3118	48				16B	9		HCF06A	03	FRAOUT	
01683		J3118	49				16B	9		HCF15A	05	FRBIN	
00506		J3118	50				16B	9		HAH096V1	02	IOMASK4	

CONNECTOR (J3118) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453

UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3118

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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01658		J3118	51							16B	9			HCF05A	05									FRBOUT	
00066		J3118	52			J3124	01			16B	9			HCCH10	02									LO=CHIPA	A02
01879		J3118	53											KEY	01										
01880		J3118	54											KEY	01										
00504		J3118	55							16B	9			HAH095V1	02									IOMASK3	
01035		J3118	56										M	HCC71A	01									CR5	
00502		J3118	57							16B	9			HAH094V1	02									IOMASK2	
00158		J3118	58											GND	01										
00067		J3118	59											DNW	01										
01617		J3118	60										M	HCF680	01									FR2	
01992		J3118	61											SPI	01									LATCH2IN	
01077		J3118	62							16B	9			HCCR5A	05									CRA	A02
01074		J3118	63							16B	9			HCCR6A	03									CRB	A02
01993		J3118	64											SPI	01									LATCH1IN	
01036		J3118	65										M	HCC72A	01									CR6	
01037		J3118	66										M	HCC70A	01									CR4	
00159		J3118	67											GND	01										
00681		J3118	68							16B	9			HBFBRD1	13									LATCHRESET	
02047		J3118	69											SPO	01									GATDERR1	
02048		J3118	70											SPO	01									ERRL1	
01769		J3118	71											SPA	01									LD20	A03
01770		J3118	72			J3119	60			16B	9			HCPU10	01									LD211	
02049		J3118	73											SPO	01									ERRL2	
02050		J3118	74											SPO	01									GATDERR2	
01772		J3118	75			J3119	61			16B	9			HCPU20	01									LD212	
00366		J3118	76							16B	9			HAHA5AV	02									LD11	
01038		J3118	77										M	HCC67A	01									CR1	
01800		J3118	78			J3124	24			16B	9			HCID50	13									AD75	
01039		J3118	79										M	HCC68A	01									CR2	
01040		J3118	80										M	HCC69A	01									CR3	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA

REV E
DATE 08-31-82

INDEX J3119
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01815		J3119	01			J3119	02			16B	9			HC4GND	01										
01816		J3119	02							16B	9			HC4GND	02										
02190		J3119	02											GND											C01
01947		J3119	03											KEY	01										
01951		J3119	04											KEY	01										
00656		J3119	05										M	HBB53A	01									1SECOSIN	E01
00683		J3119	06			J3119	59			16B	9			HBFVSD1	02									INHVCC1SNS	
01803		J3119	07											SPA	01									1SECOSOUTNOT	A03
00827		J3119	08			J3119	45			16B	9			HC-15VDC	05										
00068		J3119	09											DNW	01									UMBVCC1ANALOG	
01822		J3119	10											SPA	01									UMBVCC1LO	A03
01793		J3119	11			J3119	12			16B	9			HC1+5V	01										
01794		J3119	12							16B	9			HC1+5V	02										
02194		J3119	12											+5V											D01
00796		J3119	13			J3119	14			16B	9			HC+15VDC	04										A05
00797		J3119	14							16B	9			HC+15VDC	05										A05
02051		J3119	15											SPO	01									HC10SQ	
00160		J3119	16											GND	01										
01948		J3119	17											KEY	01										
01949		J3119	18											KEY	01										
00755		J3119	19											SPA	01									INHVCC2SNS	
01828		J3119	20											SPA	01									UMBVCC2HI	A03
00069		J3119	21											DNW	01									UMBVCC2ANALOG	
01950		J3119	22											SPA	01										
01826		J3119	23											SPA	01									UMBVCC2LO	A03
01824		J3119	24											SPA	01									UMBVCC1HI	A03
01813		J3119	25			J3119	32			16B	9			HC3GND	01										
00662		J3119	26											SPA	01										A03
01804		J3119	27			J3119	28			16B	9			HC2+5V	01										
01805		J3119	28							16B	9			HC2+5V	02										
02195		J3119	28											+5V											D01
01832		J3119	29											SPA	01									UMBVCC3HI	A03
01952		J3119	30											SPA	01										
00757		J3119	31											SPA	01									INHVCC3SNS	A03
01814		J3119	32							16B	9			HC3GND	02										
02191		J3119	32											GND											C01
01808		J3119	33											SPA	01									20MSECOSOUTNOT	A03
01953		J3119	34											SPA	01										
02052		J3119	35											SPO	01									HC20SQ	
01954		J3119	36											SPA	01										
00070		J3119	37											DNW	01									UMBVCC3ANALOG	
01955		J3119	38											SPA	01										
01830		J3119	39											SPA	01									UMBVCC3LO	A03
01956		J3119	40											SPA	01										
01810		J3119	41											SPA	01									TB21B 1V	A03
00071		J3119	42											DNW	01										
00072		J3119	43											DNW	01									SNGLCRD107+5V	
00161		J3119	44											GND	01										
00828		J3119	45			J3119	46			16B	9			HC-15VDC	06										
02106		J3119	46			J3119	73			16B	9			HC-15VDC	07										

CONNECTOR (J3119) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3119
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01812		J3119	47											SPA	01									TP21B 2V	A03
00073		J3119	48											DNW	01									SNGLCRD+12V	
02099		J3119	49			J3119	50			16B	9			HC+2VDC	14										
00810		J3119	50							16B	9			HC+2VDC	15										
00842		J3119	51							16B	9			HC-5VDC	13										
01958		J3119	52											SPA	01										
00074		J3119	53											DNW	01									TP21BANALOG	
01959		J3119	54											SPA	01										
00782		J3119	55											SPA	01									107CRD	A03
00075		J3119	56											DNW	01									UMBPU2ANALOG	
01819		J3119	57			J3119	58			16B	9			HC5GND	01										
01820		J3119	58							16B	9			HC5GND	02										
02192		J3119	58											GND											C01
00684		J3119	59							16B	9			HBEVSD1	03									INHPUSNS	
01771		J3119	60							16B	9			HCPU10	02									UMBPU1HI	
01773		J3119	61							16B	9			HCPU20	02									UMBPU2HI	
00778		J3119	62											SPA	01									107124629CRD	A03
00076		J3119	63											DNW	01									UMBPU1ANALOG	
01960		J3119	64											SPA	01										
00780		J3119	65											SPA	01									107124CRD	A03
01961		J3119	66											SPA	01										
00162		J3119	67											GND	01										
01962		J3119	68											SPA	01										
01778		J3119	69											SPA	01									PRB+5HI	A03
00776		J3119	70							16B	9			HBWBC0	02									707CRD	B01
00077		J3119	71											DNW	01										
00078		J3119	72			J3106	37			16B	9			HCSC15M	01										A07
00829		J3119	73							16B	9			HC-15VDC	08										
01964		J3119	74											SPA	01										
01776		J3119	75											SPA	01									PRB+5LO	A03
01965		J3119	76											SPA	01										
02168		J3119	77							16B	9			HC01MTR	02										A06
01966		J3119	78											SPA	01										
02095		J3119	79			J3119	80			16B	9			HC+1VDC	14										
00795		J3119	80							16B	9			HC+1VDC	15										

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | CONNECTOR | UNIT ASSEMBLY NO. 10281453 | FILE IDENT TS05CRAA | REV E | DATE 08-31-82 | INDEX J3120 | PAGE 43

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPEC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01080		J3120	01			J3120	13			16B	9			HCD000	03									B70	
00163		J3120	02											GND	01										
01088		J3120	03			J3120	11			16B	9			HCD010	03									B71	
01096		J3120	04			J3120	15			16B	9			HCD020	03									B72	
01104		J3120	05			J3120	14			16B	9			HCD030	03									B73	
01112		J3120	06			J3120	22			16B	9			HCD040	03									B74	
01120		J3120	07			J3120	19			16B	9			HCD050	03									B75	
00844		J3120	08			J3120	38			16B	9			HCAD00	02									AD70	
00865		J3120	09			J3120	35			16B	9			HCAD10	02									AD71	
00886		J3120	10			J3120	39			16B	9			HCAD20	02									AD72	
01089		J3120	11			J3120	47			16B	9			HCD010	04									B41	
00027		J3120	12											+5V	01										
01081		J3120	13			J3120	46			16B	9			HCD000	04									B40	
01105		J3120	14			J3120	52			16B	9			HCD030	04									B43	
01097		J3120	15			J3120	51			16B	9			HCD020	04									B42	
00164		J3120	16											GND	01										
00747		J3120	17			J3121	17			16B	9			HBJ070V	011									ENBL7	
00907		J3120	18			J3120	36			16B	9			HCAD30	02									AD73	
01121		J3120	19			J3120	54			16B	9			HCD050	04									B45	
01136		J3120	20			J3120	26			16B	9			HCD070	03									B47	
01128		J3120	21			J3120	25			16B	9			HCD060	03									B46	
01113		J3120	22			J3120	53			16B	9			HCD040	04									B44	
00928		J3120	23			J3120	40			16B	9			HCAD40	02									AD74	
00949		J3120	24			J3120	37			16B	9			HCAD50	02									AD75	
01129		J3120	25			J3120	68			16B	9			HCD060	04									B76	
01137		J3120	26			J3120	69			16B	9			HCD070	04									B77	
00728		J3120	27			J3121	27			16B	9			HBJ040V	02									ENBL4	
00811		J3120	28			J3120	30			16B	9			HC+5VDC0	01										
02196		J3120	28											+5V											D01
00688		J3120	29			J3121	29			16B	9			HBJ000V	02									ENBL0	
00812		J3120	30							16B	9			HC+5VDC0	02										
00698		J3120	31			J3121	31			16B	9			HBJ010V	02									ENBL1	
00165		J3120	32											GND	01										
01881		J3120	33											KEY	01										
01882		J3120	34											KEY	01										
00866		J3120	35			J3120	61			16B	9			HCAD10	03									AD1	
00908		J3120	36			J3120	64			16B	9			HCAD30	03									AD3	
00950		J3120	37			J3120	72			16B	9			HCAD50	03									AD5	
00845		J3120	38			J3120	60			16B	9			HCAD00	03									AD0	
00887		J3120	39			J3120	62			16B	9			HCAD20	03									AD2	
00929		J3120	40			J3120	70			16B	9			HCAD40	03									AD4	
01883		J3120	41											KEY	01										
01884		J3120	42											KEY	01										
00718		J3120	43			J3121	43			16B	9			HBJ030V	02									ENBL3	
00166		J3120	44											GND	01										
00079		J3120	45											DNW	01										
01082		J3120	46			J3120	49			16B	9			HCD000	05									B50	
01090		J3120	47			J3120	50			16B	9			HCD010	05									B51	
00735		J3120	48			J3121	48			16B	9			HBJ050V	02									ENBL5	
01083		J3120	49			J3120	59			16B	9			HCD000	06									B60	

CONNECTOR (J3120) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3120
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01091		J3120	50			J3120	57			16B	9			HCD010	06									B61	
01098		J3120	51			J3120	56			16B	9			HCD020	05									B62	
01106		J3120	52			J3120	55			16B	9			HCD030	05									B63	
01114		J3120	53			J3120	65			16B	9			HCD040	05									B64	
01122		J3120	54			J3120	66			16B	9			HCD050	05									B65	
01107		J3120	55			J3120	75			16B	9			HCD030	06									B3	
01099		J3120	56			J3120	74			16B	9			HCD020	06									B2	
01092		J3120	57			J3126	50			16B	9			HCD010	07									B1	
00167		J3120	58											GND	01										
01084		J3120	59			J3126	49			16B	9			HCD000	07									B0	
00846		J3120	60			J3121	08			16B	9			HCAD00	04									AD50	
00867		J3120	61			J3121	09			16B	9			HCAD10	04									AD51	
00888		J3120	62			J3121	10			16B	9			HCAD20	04									AD52	
00742		J3120	63			J3121	63			16B	9			HBJ060V	02									ENBL6	
00909		J3120	64			J3121	18			16B	9			HCAD30	04									AD53	
01115		J3120	65			J3120	76			16B	9			HCD040	06									B4	
01123		J3120	66			J3120	77			16B	9			HCD050	06									B5	
00168		J3120	67											GND	01										
01130		J3120	68			J3120	71			16B	9			HCD060	05									B6	
01138		J3120	69			J3120	73			16B	9			HCD070	05									B7	
00930		J3120	70			J3121	23			16B	9			HCAD40	04									AD54	
01131		J3120	71			J3120	78			16B	9			HCD060	06									B66	
00951		J3120	72			J3121	24			16B	9			HCAD50	04									AD55	
01139		J3120	73			J3120	79			16B	9			HCD070	06									B67	
01100		J3120	74			J3126	51			16B	9			HCD020	07									B52	
01108		J3120	75			J3126	52			16B	9			HCD030	07									B53	
01116		J3120	76			J3126	53			16B	9			HCD040	07									B54	
01124		J3120	77			J3126	54			16B	9			HCD050	07									B55	
01132		J3120	78			J3126	71			16B	9			HCD060	07									B56	
01140		J3120	79			J3126	73			16B	9			HCD070	07									B57	
00708		J3120	80			J3121	80			16B	9			HBJ020V	02									ENBL2	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TS05CRAA
REV E
DATE 08-31-82
INDEX J3121
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RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST VISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01144		J3121	01			J3121	13			16B	9			HCD080	03									B70	
00169		J3121	02											GND	01										
01152		J3121	03			J3121	11			16B	9			HCD090	03									B71	
01160		J3121	04			J3121	15			16B	9			HCD100	03									B72	
01168		J3121	05			J3121	14			16B	9			HCD110	03									B73	
01176		J3121	06			J3121	22			16B	9			HCD120	03									B74	
01184		J3121	07			J3121	19			16B	9			HCD130	03									B75	
00847		J3121	08			J3121	38			16B	9			HCAD00	05									AD70	
00868		J3121	09			J3121	35			16B	9			HCAD10	05									AD71	
00889		J3121	10			J3121	39			16B	9			HCAD20	05									AD72	
01153		J3121	11			J3121	47			16B	9			HCD090	04									B41	
00028		J3121	12											+5V	01										
01145		J3121	13			J3121	46			16B	9			HCD080	04									B40	
01169		J3121	14			J3121	52			16B	9			HCD110	04									B43	
01161		J3121	15			J3121	51			16B	9			HCD100	04									B42	
00170		J3121	16											GND	01										
00748		J3121	17			J3122	17			16B	9			HBJ070V	02									ENBL7	
00910		J3121	18			J3121	36			16B	9			HCAD30	05									AD73	
01185		J3121	19			J3121	54			16B	9			HCD130	04									B45	
01200		J3121	20			J3121	26			16B	9			HCD150	03									B47	
01192		J3121	21			J3121	25			16B	9			HCD140	03									B46	
01177		J3121	22			J3121	53			16B	9			HCD120	04									B44	
00931		J3121	23			J3121	40			16B	9			HCAD40	05									AD74	
00952		J3121	24			J3121	37			16B	9			HCAD50	05									AD75	
01193		J3121	25			J3121	68			16B	9			HCD140	04									B76	
01201		J3121	26			J3121	69			16B	9			HCD150	04									B77	
00729		J3121	27			J3122	27			16B	9			HBJ040V	03									ENBL4	
00813		J3121	28			J3121	30			16B	9			HC+5VDC1	01										
02197		J3121	28											+5V											D01
00689		J3121	29			J3122	29			16B	9			HBJ000V	03									ENBL0	
00814		J3121	30							16B	9			HC+5VDC1	02										
00699		J3121	31			J3122	31			16B	9			HBJ010V	03									ENBL1	
00171		J3121	32											GND	01										
01885		J3121	33											KEY	01										
01886		J3121	34											KEY	01										
00869		J3121	35			J3121	61			16B	9			HCAD10	06									AD1	
00911		J3121	36			J3121	64			16B	9			HCAD30	06									AD3	
00953		J3121	37			J3121	72			16B	9			HCAD50	06									AD5	
00848		J3121	38			J3121	60			16B	9			HCAD00	06									AD0	
00890		J3121	39			J3121	62			16B	9			HCAD20	06									AD2	
00932		J3121	40			J3121	70			16B	9			HCAD40	06									AD4	
01887		J3121	41											KEY	01										
01888		J3121	42											KEY	01										
00719		J3121	43			J3122	43			16B	9			HBJ030V	03									ENBL3	
00172		J3121	44											GND	01										
00080		J3121	45											DNW	01										
01146		J3121	46			J3121	49			16B	9			HCD080	05									B50	
01154		J3121	47			J3121	50			16B	9			HCD090	05									B51	
00736		J3121	48			J3122	48			16B	9			HBJ050V	03									ENBL5	
01147		J3121	49			J3121	59			16B	9			HCD080	06									B60	

CONNECTOR (J3121) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453

UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3121

FILE IDENT TS05CRAA DATE 08-31-82 PAGE 46

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST /MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01155		J3121	50			J3121	57			16B	9			HCD090	06									B61	
01162		J3121	51			J3121	56			16B	9			HCD100	05									B62	
01170		J3121	52			J3121	55			16B	9			HCD110	05									B63	
01178		J3121	53			J3121	65			16B	9			HCD120	05									B64	
01186		J3121	54			J3121	66			16B	9			HCD130	05									B65	
01171		J3121	55			J3121	75			16B	9			HCD110	06									B3	
01163		J3121	56			J3121	74			16B	9			HCD100	06									B2	
01156		J3121	57			J3127	47			16B	9			HCD090	07									B1	
00173		J3121	58											GND	01										
01148		J3121	59			J3127	46			16B	9			HCD080	07									B0	
00849		J3121	60			J3122	08			16B	9			HCAD00	07									AD50	
00870		J3121	61			J3122	09			16B	9			HCAD10	07									AD51	
00891		J3121	62			J3122	10			16B	9			HCAD20	07									AD52	
00743		J3121	63			J3122	63			16B	9			HBJ060V	03									ENBL6	
00912		J3121	64			J3122	18			16B	9			HCAD30	07									AD53	
01179		J3121	65			J3121	76			16B	9			HCD120	06									B4	
01187		J3121	66			J3121	77			16B	9			HCD130	06									B5	
00174		J3121	67											GND	01										
01194		J3121	68			J3121	71			16B	9			HCD140	05									B6	
01202		J3121	69			J3121	73			16B	9			HCD150	05									B7	
00933		J3121	70			J3122	23			16B	9			HCAD40	07									AD54	
01195		J3121	71			J3121	78			16B	9			HCD140	06									B66	
00954		J3121	72			J3122	24			16B	9			HCAD50	07									AD55	
01203		J3121	73			J3121	79			16B	9			HCD150	06									B67	
01164		J3121	74			J3127	74			16B	9			HCD100	07									B52	
01172		J3121	75			J3127	75			16B	9			HCD110	07									B53	
01180		J3121	76			J3127	76			16B	9			HCD120	07									B54	
01188		J3121	77			J3127	77			16B	9			HCD130	07									B55	
01196		J3121	78			J3127	78			16B	9			HCD140	07									B56	
01204		J3121	79			J3127	79			16B	9			HCD150	07									B57	
00709		J3121	80			J3123	80			16B	9			HBJ020V	03									ENBL2	A06

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO 10281453 · FILE IDENT TS05CRAA · REV E · DATE 08-31-82 · INDEX J3122 · PAGE 47

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO PREFIX	TO CONNECTOR	TO PIN	WIRE CODE	WIRE COLOR	SIGNAL	SEQ NO	SIGNAL DESCRIPTION	ECO NO
01208		J3122	01		J3122	13	16B	9	HCD160	03	B70	
00175		J3122	02						GND	01		
01216		J3122	03		J3122	11	16B	9	HCD170	03	B71	
01224		J3122	04		J3122	15	16B	9	HCD180	03	B72	
01232		J3122	05		J3122	14	16B	9	HCD190	03	B73	
01240		J3122	06		J3122	22	16B	9	HCD200	03	B74	
01248		J3122	07		J3122	19	16B	9	HCD210	03	B75	
00850		J3122	08		J3122	38	16B	9	HCAD00	08	AD70	
00871		J3122	09		J3122	35	16B	9	HCAD10	08	AD71	
00892		J3122	10		J3122	39	16B	9	HCAD20	08	AD72	
01217		J3122	11		J3122	47	16B	9	HCD170	04	B41	
00029		J3122	12						+5V	01		
01209		J3122	13		J3122	46	16B	9	HCD160	04	B40	
01233		J3122	14		J3122	52	16B	9	HCD190	04	B43	
01225		J3122	15		J3122	51	16B	9	HCD180	04	B42	
00176		J3122	16						GND	01		
00749		J3122	17		J3123	17	16B	9	HBJ070V	03	ENBL7	
00913		J3122	18		J3122	36	16B	9	HCAD30	08	AD73	
01249		J3122	19		J3122	54	16B	9	HCD210	04	B45	
01264		J3122	20		J3122	26	16B	9	HCD230	03	B47	
01256		J3122	21		J3122	25	16B	9	HCD220	03	B46	
01241		J3122	22		J3122	53	16B	9	HCD200	04	B44	
00934		J3122	23		J3122	40	16B	9	HCAD40	08	AD74	
00955		J3122	24		J3122	37	16B	9	HCAD50	08	AD75	
01257		J3122	25		J3122	68	16B	9	HCD220	04	B76	
01265		J3122	26		J3122	69	16B	9	HCD230	04	B77	
00730		J3122	27		J3123	27	16B	9	HBJ040V	04	ENBL4	
00815		J3122	28		J3122	30	16B	9	HC+5VDC2	01		
02198		J3122	28						+5V			D01
00690		J3122	29		J3123	29	16B	9	HBJ000V	04	ENBL0	
00816		J3122	30				16B	9	HC+5VDC2	02		
00700		J3122	31		J3123	31	16B	9	HBJ010V	04	ENBL1	
00177		J3122	32						GND	01		
01889		J3122	33						KEY	01		
01890		J3122	34						KEY	01		
00872		J3122	35		J3122	61	16B	9	HCAD10	09	AD1	
00914		J3122	36		J3122	64	16B	9	HCAD30	09	AD3	
00956		J3122	37		J3122	72	16B	9	HCAD50	09	AD5	
00851		J3122	38		J3122	60	16B	9	HCAD00	09	AD0	
00893		J3122	39		J3122	62	16B	9	HCAD20	09	AD2	
00935		J3122	40		J3122	70	16B	9	HCAD40	09	AD4	
01891		J3122	41						KEY	01		
01892		J3122	42						KEY	01		
00720		J3122	43		J3123	43	16B	9	HBJ030V	04	ENBL3	
00178		J3122	44						GND	01		
00081		J3122	45						DNW	01		
01210		J3122	46		J3122	49	16B	9	HCD160	05	B50	
01218		J3122	47		J3122	50	16B	9	HCD170	05	B51	
00737		J3122	48		J3123	48	16B	9	HBJ050V	04	ENBL5	
01211		J3122	49		J3122	59	16B	9	HCD160	06	B60	

CONNECTOR (J3122) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3122
PAGE 48

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01219		J3122	50			J3122	57			16B	9			HCD170	06									B61	
01226		J3122	51			J3122	56			16B	9			HCD180	05									B62	
01234		J3122	52			J3122	55			16B	9			HCD190	05									B63	
01242		J3122	53			J3122	65			16B	9			HCD200	05									B64	
01250		J3122	54			J3122	66			16B	9			HCD210	05									B65	
01235		J3122	55			J3122	75			16B	9			HCD190	06									B3	
01227		J3122	56			J3122	74			16B	9			HCD180	06									B2	
01220		J3122	57			J3127	50			16B	9			HCD170	07									B1	
00179		J3122	58											GND	01										
01212		J3122	59			J3127	49			16B	9			HCD160	07									B0	
00852		J3122	60			J3123	08			16B	9			HCAD00	10									AD50	
00873		J3122	61			J3123	09			16B	9			HCAD10	10									AD51	
00894		J3122	62			J3123	10			16B	9			HCAD20	10									AD52	
00744		J3122	63			J3123	45			16B	9			HBJ060V	04									ENBL6	A06
00915		J3122	64			J3123	18			16B	9			HCAD30	10									AD53	
01243		J3122	65			J3122	76			16B	9			HCD200	06									B4	
01251		J3122	66			J3122	77			16B	9			HCD210	06									B5	
00180		J3122	67											GND	01										
02177		J3122	67							16B	9			HCGN1D	02										A06
01258		J3122	68			J3122	71			16B	9			HCD220	05									B6	
01266		J3122	69			J3122	73			16B	9			HCD230	05									B7	
00936		J3122	70			J3123	23			16B	9			HCAD40	10									AD54	
01259		J3122	71			J3122	78			16B	9			HCD220	06									B66	
00957		J3122	72			J3123	24			16B	9			HCAD50	10									AD55	
01267		J3122	73			J3122	79			16B	9			HCD230	06									B67	
01228		J3122	74			J3127	51			16B	9			HCD180	07									B52	
01236		J3122	75			J3127	52			16B	9			HCD190	07									B53	
01244		J3122	76			J3127	53			16B	9			HCD200	07									B54	
01252		J3122	77			J3127	54			16B	9			HCD210	07									B55	
01260		J3122	78			J3127	71			16B	9			HCD220	07									B56	
01268		J3122	79			J3127	73			16B	9			HCD230	07									B57	
00710		J3122	80			J3122	67			16B	9			HCGN1D	01									ENBL2	A06

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DRAWING NUMBER WL10281453 | UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | CONNECTOR | UNIT ASSEMBLY NO. 10281453 | FILE IDENT TSQ5CRAA | REV E | DATE 08-31-82 | INDEX J3123 | PAGE 49

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO PREFIX	TO CONNECTOR	TO PIN	WIRE CODE	WIRE COLOR	SIGNAL	SEQ NO	EQUATION	TERM	PATTERN	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
01272		J3123	01		J3123	13	16B	9	HCD240	03							B70	
00181		J3123	02						GND	01								
01279		J3123	03		J3123	11	16B	9	HCD250	03							B71	
01286		J3123	04		J3123	15	16B	9	HCD260	03							B72	
01293		J3123	05		J3123	14	16B	9	HCD270	03							B73	
01300		J3123	06		J3123	22	16B	9	HCD280	03							B74	
01307		J3123	07		J3123	19	16B	9	HCD290	03							B75	
00853		J3123	08		J3123	38	16B	9	HCAD00	11							AD70	
00874		J3123	09		J3123	35	16B	9	HCAD10	11							AD71	
00895		J3123	10		J3123	39	16B	9	HCAD20	11							AD72	
01280		J3123	11		J3123	47	16B	9	HCD250	04							B41	
00030		J3123	12						+5V	01								
01273		J3123	13		J3123	46	16B	9	HCD240	04							B40	
01294		J3123	14		J3123	52	16B	9	HCD270	04							B43	
01287		J3123	15		J3123	51	16B	9	HCD260	04							B42	
00182		J3123	16						GND	01								
00750		J3123	17				16B	9	HBJ070V	04							ENBL7	
00916		J3123	18		J3123	36	16B	9	HCAD30	11							AD73	
01308		J3123	19		J3123	54	16B	9	HCD290	04							B45	
01321		J3123	20		J3123	26	16B	9	HCD310	03							B47	
01314		J3123	21		J3123	25	16B	9	HCD300	03							B46	
01301		J3123	22		J3123	53	16B	9	HCD280	04							B44	
00937		J3123	23		J3123	40	16B	9	HCAD40	11							AD74	
00958		J3123	24		J3123	37	16B	9	HCAD50	11							AD75	
01315		J3123	25		J3123	68	16B	9	HCD300	04							B76	
01322		J3123	26		J3123	69	16B	9	HCD310	04							B77	
00685		J3123	27		J3124	27	16B	9	HBJ040V	05							ENBL4	
00817		J3123	28		J3123	30	16B	9	HC+5VDC3	01								
02199		J3123	28						+5V									D01
00691		J3123	29		J3124	29	16B	9	HBJ000V	05							ENBL0	
00818		J3123	30				16B	9	HC+5VDC3	02								
00701		J3123	31		J3124	31	16B	9	HBJ010V	05							ENBL1	
00183		J3123	32						GND	01								
01893		J3123	33						KEY	01								
01894		J3123	34						KEY	01								
00875		J3123	35		J3123	61	16B	9	HCAD10	12							AD1	
00917		J3123	36		J3123	64	16B	9	HCAD30	12							AD3	
00959		J3123	37		J3123	72	16B	9	HCAD50	12							AD5	
00854		J3123	38		J3123	60	16B	9	HCAD00	12							AD0	
00896		J3123	39		J3123	62	16B	9	HCAD20	12							AD2	
00938		J3123	40		J3123	70	16B	9	HCAD40	12							AD4	
01895		J3123	41						KEY	01								
01896		J3123	42						KEY	01								
00721		J3123	43		J3124	43	16B	9	HBJ030V	05							ENBL3	
00184		J3123	44						GND	01								
00082		J3123	45				16B	9	HBJ060V	05								A06
01274		J3123	46		J3123	49	16B	9	HCD240	05							B50	
01281		J3123	47		J3123	50	16B	9	HCD250	05							B51	
00738		J3123	48		J3124	48	16B	9	HBJ050V	05							ENBL5	
01275		J3123	49		J3123	59	16B	9	HCD240	06							B60	

CONNECTOR (J3123) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3123
FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 50

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01282		J3123	50			J3123	57			16B	9			HCD250	06									B61	
01288		J3123	51			J3123	56			16B	9			HCD260	05									B62	
01295		J3123	52			J3123	55			16B	9			HCD270	05									B63	
01302		J3123	53			J3123	65			16B	9			HCD280	05									B64	
01309		J3123	54			J3123	66			16B	9			HCD290	05									B65	
01296		J3123	55			J3123	75			16B	9			HCD270	06									B3	
01289		J3123	56			J3123	74			16B	9			HCD260	06									B2	
01283		J3123	57							16B	9			HCD250	07									B1	
00185		J3123	58											GND	01										
01276		J3123	59							16B	9			HCD240	07									B0	
00855		J3123	60			J3124	38			16B	9			HCAD00	13									AD50	
00876		J3123	61			J3124	35			16B	9			HCAD10	13									AD51	
00897		J3123	62			J3124	39			16B	9			HCAD20	13									AD52	
00745		J3123	63			J3123	67			16B	9			HCGN2D	01									ENBL6	A06
00918		J3123	64			J3124	36			16B	9			HCAD30	13									AD53	
01303		J3123	65			J3123	76			16B	9			HCD280	06									B4	
01310		J3123	66			J3123	77			16B	9			HCD290	06									B5	
00186		J3123	67											GND	01										
02178		J3123	67							16B	9			HCGN2D	02										A06
01316		J3123	68			J3123	71			16B	9			HCD300	05									B6	
01323		J3123	69			J3123	73			16B	9			HCD310	05									B7	
00939		J3123	70			J3124	40			16B	9			HCAD40	13									AD54	
01317		J3123	71			J3123	78			16B	9			HCD300	06									B66	
00960		J3123	72			J3124	37			16B	9			HCAD50	13									AD55	
01324		J3123	73			J3123	79			16B	9			HCD310	06									B67	
01290		J3123	74							16B	9			HCD260	07									B52	
01297		J3123	75							16B	9			HCD270	07									B53	
01304		J3123	76							16B	9			HCD280	07									B54	
01311		J3123	77							16B	9			HCD290	07									B55	
01318		J3123	78							16B	9			HCD300	07									B56	
01325		J3123	79							16B	9			HCD310	07									B57	
00711		J3123	80			J3124	63			16B	9			HBJ020V	05									ENBL2	

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DRAWING NUMBER WL10281453

UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO 10281453 REV E INDEX J3124

FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 51

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN		TO PREFIX	TO CONNECTOR	TO PIN		MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT		SIGNAL	NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE		LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION
01042		J3124	01							16B	9			HCCH10	03									B70
00187		J3124	02											GND	01									
01044		J3124	03							16B	9			HCCH20	03									B71
01046		J3124	04							16B	9			HCCH30	05									B72
02053		J3124	05											SPO	01									B73
02054		J3124	06											SPO	01									B74
02055		J3124	07											SPO	01									B75
02163		J3124	08							16B	9			HCID00	14									
02164		J3124	09							16B	9			HCID10	14									
02165		J3124	10							16B	9			HCID20	14									
01333		J3124	11			J3124	47			16B	9			HCD330	03									B41
00031		J3124	12											+5V	01									
01328		J3124	13			J3124	46			16B	9			HCD320	03									B40
01343		J3124	14			J3124	55			16B	9			HCD350	03									B43
01338		J3124	15			J3124	56			16B	9			HCD340	03									B42
00188		J3124	16											GND	01									
00083		J3124	17											DNW	01									ENBL7
02166		J3124	18							16B	9			HCID30	14									
01353		J3124	19			J3124	66			16B	9			HCD370	03									B45
01363		J3124	20			J3124	69			16B	9			HCD390	03									B47
01358		J3124	21			J3124	68			16B	9			HCD380	03									B46
01348		J3124	22			J3124	65			16B	9			HCD360	03									B44
02167		J3124	23							16B	9			HCID40	14									
01764		J3124	24							16B	9			HCID50	14									LD10
00001		J3124	25											SPO	01									B76
00002		J3124	26											SPO	01									B77
00731		J3124	27			J3125	27			16B	9			HBJ040V	06									ENBL4
00819		J3124	28			J3124	30			16B	9			HC+5VDC4	01									
02200		J3124	28											+5V										
00692		J3124	29			J3125	29			16B	9			HBJ000V	06									ENBL0
00820		J3124	30							16B	9			HC+5VDC4	02									
00702		J3124	31			J3125	31			16B	9			HBJ010V	06									ENBL1
00189		J3124	32											GND	01									
01897		J3124	33											KEY	01									
01898		J3124	34											KEY	01									
00877		J3124	35			J3124	61			16B	9			HCAD10	14									AD1
00919		J3124	36			J3124	64			16B	9			HCAD30	14									AD3
00961		J3124	37			J3124	72			16B	9			HCAD50	14									AD5
00856		J3124	38			J3124	60			16B	9			HCAD00	14									AD0
00898		J3124	39			J3124	62			16B	9			HCAD20	14									AD2
00940		J3124	40			J3124	70			16B	9			HCAD40	14									AD4
01899		J3124	41											KEY	01									
01900		J3124	42											KEY	01									
00722		J3124	43			J3125	43			16B	9			HBJ030V	06									ENBL3
00190		J3124	44											GND	01									
00084		J3124	45											DNW	01									
01329		J3124	46			J3124	59			16B	9			HCD320	04									B50
01334		J3124	47			J3124	57			16B	9			HCD330	04									B51
00739		J3124	48			J3125	48			16B	9			HBJ050V	06									ENBL5
01464		J3124	49			J3125	49			16B	9			HCD640	03									B60

CONNECTOR (J3124) CONTINUED ON THE NEXT PAGE ****

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E
FILE IDENT TSQ5CRAA DATE 08-31-82
INDEX J3124 PAGE 52

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01470		J3124	50			J3125	50			16B	9			HCD650	03									B61	
01476		J3124	51			J3125	51			16B	9			HCD660	03									B62	
01482		J3124	52			J3125	52			16B	9			HCD670	03									B63	
01488		J3124	53			J3125	53			16B	9			HCD680	03									B64	
01494		J3124	54			J3125	54			16B	9			HCD690	03									B65	
01344		J3124	55			J3124	75			16B	9			HCD350	04									B3	
01339		J3124	56			J3124	74			16B	9			HCD340	04									B2	
01335		J3124	57							16B	9			HCD330	05									B1	
00191		J3124	58											GND	01										
01330		J3124	59							16B	9			HCD320	05									B0	
00857		J3124	60			J3125	38			16B	9			HCAD00	15									AD50	
00878		J3124	61			J3125	35			16B	9			HCAD10	15									AD51	
00899		J3124	62			J3125	39			16B	9			HCAD20	15									AD52	
00712		J3124	63			J3124	80			16B	9			HBJ020V	06									ENBL6	
00920		J3124	64			J3125	36			16B	9			HCAD30	15									AD53	
01349		J3124	65			J3124	76			16B	9			HCD360	04									B4	
01354		J3124	66			J3124	77			16B	9			HCD370	04									B5	
00192		J3124	67											GND	01										
01359		J3124	68			J3124	78			16B	9			HCD380	04									B6	
01364		J3124	69			J3124	79			16B	9			HCD390	04									B7	
00941		J3124	70			J3125	40			16B	9			HCAD40	15									AD54	
01500		J3124	71			J3125	71			16B	9			HCD700	03									B66	
00962		J3124	72			J3125	37			16B	9			HCAD50	15									AD55	
01506		J3124	73			J3125	73			16B	9			HCD710	03									B67	
01340		J3124	74							16B	9			HCD340	05									B52	
01345		J3124	75							16B	9			HCD350	05									B53	
01350		J3124	76							16B	9			HCD360	05									B54	
01355		J3124	77							16B	9			HCD370	05									B55	
01360		J3124	78							16B	9			HCD380	05									B56	
01365		J3124	79							16B	9			HCD390	05									B57	
00713		J3124	80			J3125	80			16B	9			HBJ020V	07									ENBL2	

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3125
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 53

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02056		J3125	01											SPO	01									B70	
00193		J3125	02											GND	01										
02057		J3125	03											SPO	01									B71	
02058		J3125	04											SPO	01									B72	
02059		J3125	05											SPO	01									B73	
02060		J3125	06											SPO	01									B74	
02061		J3125	07											SPO	01									B75	
01994		J3125	08											SPI	01									AD70	
01995		J3125	09											SPI	01									AD71	
01996		J3125	10											SPI	01									AD72	
01373		J3125	11			J3125	47			16B	9			HCD410	03									B41	
00032		J3125	12											+5V	01										
01368		J3125	13			J3125	46			16B	9			HCD400	03									B40	
01383		J3125	14			J3125	55			16B	9			HCD430	03									B43	
01378		J3125	15			J3125	56			16B	9			HCD420	03									B42	
00194		J3125	16											GND	01										
01997		J3125	17											SPI	01									ENBL7	
01998		J3125	18											SPI	01									AD73	
01393		J3125	19			J3125	66			16B	9			HCD450	03									B45	
01403		J3125	20			J3125	69			16B	9			HCD470	03									B47	
01398		J3125	21			J3125	68			16B	9			HCD460	03									B46	
01388		J3125	22			J3125	65			16B	9			HCD440	03									B44	
01999		J3125	23											SPI	01									AD74	
02000		J3125	24											SPI	01									AD75	
02062		J3125	25											SPO	01									B76	
02063		J3125	26											SPO	01									B77	
00732		J3125	27			J3126	27			16B	9			HBJ040V	07									ENBL4	
00821		J3125	28			J3125	30			16B	9			HC+5VDC5	01										
02201		J3125	28											+5V											D01
00693		J3125	29			J3126	29			16B	9			HBJ000V	07									ENBL0	
00822		J3125	30							16B	9			HC+5VDC5	02										
00703		J3125	31			J3126	31			16B	9			HBJ010V	07									ENBL1	
00195		J3125	32											GND	01										
01901		J3125	33											KEY	01										
01902		J3125	34											KEY	01										
00879		J3125	35			J3125	61			16B	9			HCAD10	16									AD1	
00921		J3125	36			J3125	64			16B	9			HCAD30	16									AD3	
00963		J3125	37			J3125	72			16B	9			HCAD50	16									AD5	
00858		J3125	38			J3125	60			16B	9			HCAD00	16									AD0	
00900		J3125	39			J3125	62			16B	9			HCAD20	16									AD2	
00942		J3125	40			J3125	70			16B	9			HCAD40	16									AD4	
01903		J3125	41											KEY	01										
01904		J3125	42											KEY	01										
00723		J3125	43			J3125	63			16B	9			HBJ030V	07									ENBL3	
00196		J3125	44											GND	01										
00085		J3125	45											DNW	01										
01369		J3125	46			J3125	59			16B	9			HCD400	04									B50	
01374		J3125	47			J3125	57			16B	9			HCD410	04									B51	
00740		J3125	48							16B	9			HBJ050V	07									ENBL5	
01465		J3125	49			J3126	46			16B	9			HCD640	04									B60	

CONNECTOR (J3125) CONTINUED ON THE NEXT PAGE ****

3-2879-1

DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY. ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3125
FILE IDENT TS05CRAA DATE 08-31-82 PAGE 54

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01471		J3125	50			J3126	47			16B	9			HCD650	04									B61	
01477		J3125	51			J3126	74			16B	9			HCD660	04									B62	
01483		J3125	52			J3126	75			16B	9			HCD670	04									B63	
01489		J3125	53			J3126	76			16B	9			HCD680	04									B64	
01495		J3125	54			J3126	77			16B	9			HCD690	04									B65	
01384		J3125	55			J3125	75			16B	9			HCD430	04									B3	
01379		J3125	56			J3125	74			16B	9			HCD420	04									B2	
01375		J3125	57							16B	9			HCD410	05									B1	
00197		J3125	58											GND	01										
01370		J3125	59							16B	9			HCD400	05									B0	
00859		J3125	60			J3126	38			16B	9			HCAD00	17									AD50	
00880		J3125	61			J3126	35			16B	9			HCAD10	17									AD51	
00901		J3125	62			J3126	39			16B	9			HCAD20	17									AD52	
00724		J3125	63			J3126	43			16B	9			HBJ030V	08									ENBL6	
00922		J3125	64			J3126	36			16B	9			HCAD30	17									AD53	
01389		J3125	65			J3125	76			16B	9			HCD440	04									B4	
01394		J3125	66			J3125	77			16B	9			HCD450	04									B5	
00198		J3125	67											GND	01										
01399		J3125	68			J3125	78			16B	9			HCD460	04									B6	
01404		J3125	69			J3125	79			16B	9			HCD470	04									B7	
00943		J3125	70			J3126	40			16B	9			HCAD40	17									AD54	
01501		J3125	71			J3126	78			16B	9			HCD700	04									B66	
00964		J3125	72			J3126	37			16B	9			HCAD50	17									AD55	
01507		J3125	73			J3126	79			16B	9			HCD710	04									B67	
01380		J3125	74							16B	9			HCD420	05									B52	
01385		J3125	75							16B	9			HCD430	05									B53	
01390		J3125	76							16B	9			HCD440	05									B54	
01395		J3125	77							16B	9			HCD450	05									B55	
01400		J3125	78							16B	9			HCD460	05									B56	
01405		J3125	79							16B	9			HCD470	05									B57	
00714		J3125	80			J3127	80			16B	9			HBJ020V	08									ENBL 2	A06

3-2879-1

DRAWING NUMBER	WL10281453	CONNECTOR	UNIT ASSEMBLY NO.	10281453	REV	E	INDEX	J3126
UNIT ASSEMBLY NAME	CARD RACK ASSY, ANALOG		FILE IDENT	TS05CRAA	DATE	08-31-82	PAGE	55

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02064		J3126	01											SPO	01									B70	
00199		J3126	02											GND	01										
02065		J3126	03											SPO	01									B71	
02066		J3126	04											SPO	01									B72	
02067		J3126	05											SPO	01									B73	
02068		J3126	06											SPO	01									B74	
02069		J3126	07											SPO	01									B75	
02001		J3126	08											SPI	01									AD70	
02002		J3126	09											SPI	01									AD71	
02003		J3126	10											SPI	01									AD72	
01412		J3126	11			J3126	57			168	9			HCD490	03									B41	
00033		J3126	12											+5V	01										
01408		J3126	13			J3126	59			168	9			HCD480	03									B40	
01420		J3126	14			J3126	55			168	9			HCD510	03									B43	
01416		J3126	15			J3126	56			168	9			HCD500	03									B42	
00200		J3126	16											GND	01										
02004		J3126	17											SPI	01									ENBL 7	
02005		J3126	18											SPI	01									AD73	
01428		J3126	19			J3126	66			168	9			HCD530	03									B45	
01436		J3126	20			J3126	69			168	9			HCD550	03									B47	
01432		J3126	21			J3126	68			168	9			HCD540	03									B46	
01424		J3126	22			J3126	65			168	9			HCD520	03									B44	
02006		J3126	23											SPI	01									AD74	
02007		J3126	24											SPI	01									AD75	
02070		J3126	25											SPO	01									B76	
02071		J3126	26											SPO	01									B77	
00733		J3126	27							168	9			HBJ040V	08									ENBL4	
00823		J3126	28			J3126	30			168	9			HC+5VDC6	01										
02202		J3126	28											+5V											D01
00694		J3126	29			J3127	27			168	9			HBJ000V	08									ENBL0	
00824		J3126	30							168	9			HC+5VDC6	02										
00704		J3126	31			J3126	48			168	9			HBJ010V	08									ENBL1	
00201		J3126	32											GND	01										
01905		J3126	33											KEY	01										
01906		J3126	34											KEY	01										
00881		J3126	35			J3126	61			168	9			HCAD10	18									AD1	
00923		J3126	36			J3126	64			168	9			HCAD30	18									AD3	
00965		J3126	37			J3126	72			168	9			HCAD50	18									AD5	
00860		J3126	38			J3126	60			168	9			HCAD00	18									AD0	
00902		J3126	39			J3126	62			168	9			HCAD20	18									AD2	
00944		J3126	40			J3126	70			168	9			HCAD40	18									AD4	
01907		J3126	41											KEY	01										
01908		J3126	42											KEY	01										
00725		J3126	43			J3127	43			168	9			HBJ030V	09									ENBL3	
00202		J3126	44											GND	01										
00086		J3126	45											DNW	01										
01466		J3126	46			J3127	13			168	9			HCD640	05									B50	
01472		J3126	47			J3127	11			168	9			HCD650	05									B51	
00705		J3126	48			J3127	31			168	9			HBJ010V	09									ENBL5	
01085		J3126	49							168	9			HCD000	08									B60	

CONNECTOR (J3126) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453
FILE IDENT TSQ5CRAA
REV E
DATE 08-31-82
INDEX J3126
PAGE 56

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	FROM SH FG	TO PREFIX	TO CONNECTOR	TO PIN	TO SH FG	MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01093		J3126	50							16B	9			HCD010	08									B61	
01101		J3126	51							16B	9			HCD020	08									B62	
01109		J3126	52							16B	9			HCD030	08									B63	
01117		J3126	53							16B	9			HCD040	08									B64	
01125		J3126	54							16B	9			HCD050	08									B65	
01421		J3126	55							16B	9			HCD510	04									B3	
01417		J3126	56							16B	9			HCD500	04									B2	
01413		J3126	57							16B	9			HCD490	04									B1	
00203		J3126	58											GND	01										
01409		J3126	59							16B	9			HCD480	04									B0	
00861		J3126	60			J3127	38			16B	9			HCAD00	19									AD50	
00882		J3126	61			J3127	35			16B	9			HCAD10	19									AD51	
00903		J3126	62			J3127	39			16B	9			HCAD20	19									AD52	
00752		J3126	63			J3127	48			16B	9			HBJ080V	02									ENBL8	
00924		J3126	64			J3127	36			16B	9			HCAD30	19									AD53	
01425		J3126	65							16B	9			HCD520	04									B4	
01429		J3126	66							16B	9			HCD530	04									B5	
00204		J3126	67											GND	01										
02179		J3126	67							16B	9			HCGN3D	02										A06
01433		J3126	68							16B	9			HCD540	04									B6	
01437		J3126	69							16B	9			HCD550	04									B7	
00945		J3126	70			J3127	40			16B	9			HCAD40	19									AD54	
01133		J3126	71							16B	9			HCD060	08									B66	
00966		J3126	72			J3127	37			16B	9			HCAD50	19									AD55	
01141		J3126	73							16B	9			HCD070	08									B67	
01478		J3126	74			J3127	15			16B	9			HCD660	05									B52	
01484		J3126	75			J3127	14			16B	9			HCD670	05									B53	
01490		J3126	76			J3127	22			16B	9			HCD680	05									B54	
01496		J3126	77			J3127	19			16B	9			HCD690	05									B55	
01502		J3126	78			J3127	21			16B	9			HCD700	05									B56	
01508		J3126	79			J3127	20			16B	9			HCD710	05									B57	
00715		J3126	80			J3126	67			16B	9			HCGN3D	01									ENBL 2	A06

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DRAWING NUMBER WL10281453 | CONNECTOR | UNIT ASSEMBLY NO. 10281453 | REV E | INDEX J3127

UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG | FILE IDENT TS05CRAA | DATE 08-31-82 | PAGE 57

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	TO PREFIX	TO CONNECTOR	TO PIN	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CAT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
02072		J3127	01								SPO	01									B70	
00205		J3127	02								GND	01										
02073		J3127	03								SPO	01									B71	
02074		J3127	04								SPO	01									B72	
02075		J3127	05								SPO	01									B73	
02076		J3127	06								SPO	01									B74	
02077		J3127	07								SPO	01									B75	
02008		J3127	08								SPI	01									AD70	
02009		J3127	09								SPI	01									AD71	
02010		J3127	10								SPI	01									AD72	
01473		J3127	11					16B	9		HCD650	06									B41	
00034		J3127	12								+5V	01										
01467		J3127	13					16B	9		HCD640	06									B40	
01485		J3127	14					16B	9		HCD670	06									B43	
01479		J3127	15					16B	9		HCD660	06									B42	
00206		J3127	16								GND	01										
02011		J3127	17								SPI	01									ENBL7	
02012		J3127	18								SPI	01									AD73	
01497		J3127	19					16B	9		HCD690	06									B45	
01509		J3127	20					16B	9		HCD710	06									B47	
01503		J3127	21					16B	9		HCD700	06									B46	
01491		J3127	22					16B	9		HCD680	06									B44	
02013		J3127	23								SPI	01									AD74	
02014		J3127	24								SPI	01									AD75	
02078		J3127	25								SPO	01									B76	
02079		J3127	26								SPO	01									B77	
00695		J3127	27		J3127	29		16B	9		HBJ000V	09									ENBL4	
00825		J3127	28		J3127	30		16B	9		HC+5VDC7	01										
02203		J3127	28								+5V											D01
00696		J3127	29					16B	9		HBJ000V	10									ENBL0	
00826		J3127	30					16B	9		HC+5VDC7	02										
00706		J3127	31					16B	9		HBJ010V	10									ENBL1	
00207		J3127	32								GND	01										
01909		J3127	33								KEY	01										
01910		J3127	34								KEY	01										
00883		J3127	35		J3127	61		16B	9		HCAD10	20									AD1	
00925		J3127	36		J3127	64		16B	9		HCAD30	20									AD3	
00967		J3127	37		J3127	72		16B	9		HCAD50	20									AD5	
00862		J3127	38		J3127	60		16B	9		HCAD00	20									AD0	
00904		J3127	39		J3127	62		16B	9		HCAD20	20									AD2	
00946		J3127	40		J3127	70		16B	9		HCAD40	20									AD4	
01911		J3127	41								KEY	01										
01912		J3127	42								KEY	01										
00726		J3127	43					16B	9		HBJ030V	10									ENBL3	
00208		J3127	44								GND	01										
00087		J3127	45								DNW	01										
01149		J3127	46					16B	9		HCD080	08									B50	
01157		J3127	47					16B	9		HCD090	08									B51	
00686		J3127	48					16B	9		HBJ080V	03									ENBL5	A06
01213		J3127	49					16B	9		HCD160	08									B60	

CONNECTOR (J3127) CONTINUED ON THE NEXT PAGE ****

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DRAWING NUMBER WL10281453
UNIT ASSEMBLY NAME CARD RACK ASSY, ANALOG

CONNECTOR

UNIT ASSEMBLY NO. 10281453 REV E INDEX J3127
FILE IDENT TSQ5CRAA DATE 08-31-82 PAGE 58

RECORD NUMBER	FROM PREFIX	FROM CONNECTOR	FROM PIN	SH FG	TO PREFIX	TO CONNECTOR	TO PIN	SH FG	WIRE MULTI GROUP	WIRE CODE	WIRE COLOR	WIRE IDENT	SPC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND	TEST POINTS OR	SIGNAL DESCRIPTION	ECO NO
01221		J3127	50							16B	9			HCD170	08									B61	
01229		J3127	51							16B	9			HCD180	08									B62	
01237		J3127	52							16B	9			HCD190	08									B63	
01245		J3127	53							16B	9			HCD200	08									B64	
01253		J3127	54							16B	9			HCD210	08									B65	
01449		J3127	55											SPA	01									B3	A03
01446		J3127	56											SPA	03									B2	A03
01443		J3127	57											SPA	03									B1	A03
00209		J3127	58											GND	01										
01440		J3127	59											SPA	03									B0	A03
00863		J3127	60							16B	9			HCAD00	21									AD50	
00884		J3127	61							16B	9			HCAD10	21									AD51	
00905		J3127	62							16B	9			HCAD20	21									AD52	
00687		J3127	63			J3127	67			16B	9			HCGN4D	01									ENBL6	A06
00926		J3127	64							16B	9			HCAD30	21									AD53	
01452		J3127	65											SPA	03									B4	A03
01455		J3127	66											SPA	03									B5	A03
00210		J3127	67											GND	01										
02180		J3127	67							16B	9			HCGN4D	02										A06
01458		J3127	68											SPA	03									B6	A03
01461		J3127	69											SPA	01									B7	A03
00947		J3127	70							16B	9			HCAD40	21									AD54	
01261		J3127	71							16B	9			HCD220	08									B66	
00968		J3127	72							16B	9			HCAD50	21									AD55	
01269		J3127	73							16B	9			HCD230	08									B67	
01165		J3127	74							16B	9			HCD100	08									B52	
01173		J3127	75							16B	9			HCD110	08									B53	
01181		J3127	76							16B	9			HCD120	08									B54	
01189		J3127	77							16B	9			HCD130	08									B55	
01197		J3127	78							16B	9			HCD140	08									B56	
01205		J3127	79							16B	9			HCD150	08									B57	
00716		J3127	80							16B	9			HBJ020V	10									ENBL2	

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