

KINOTON FP18/30MC

10.27.1010
1.812.428.20

PAGE

PIN ASSIGNMENT OF SLAVE REMOTE CONNECTORS A AND B

SLAVE REMOTE CONNECTOR A :

PIN	SIGNAL NAME	FUNCTION	SIGNALTYPE
1	GND	0.0V	
2			
3	R	BIPHASE R	TTL
4	GND	0.0V	
5			
6			
7			
8			
9			
10			
11			
12	SNOC	int. memory is \emptyset	switch in
13			
14			
15			
16	S	BIPHASE S	TTL
17	+12V	Remote on	
18			
19			
20			
21			
22			
23			
24			
25			

OC.OUT = output with external pull-up resistor (+28V max.)

SWITCH IN = open collector or switch driving to ground

PAGE

PIN ASSIGNMENT OF SLAVE REMOTE CONNECTORS A AND B

SLAVE REMOTE CONNECTOR B :

PIN	SIGNAL NAME	FUNCTION	SIGNALTYPE
1	0.0 V	GND Synchronizer	
2			
3			
4			
5			
6	REL 1	Relais contact 1	
7	REL 2	Relais contact 2	
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

OC.OUT = output with
external pull-
up resistor
(+28V max.)

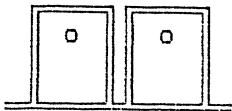
SWITCH IN = open collector or
switch driving to
ground

PAGE

STATUS DISPLAYS ON THE INTERFACE

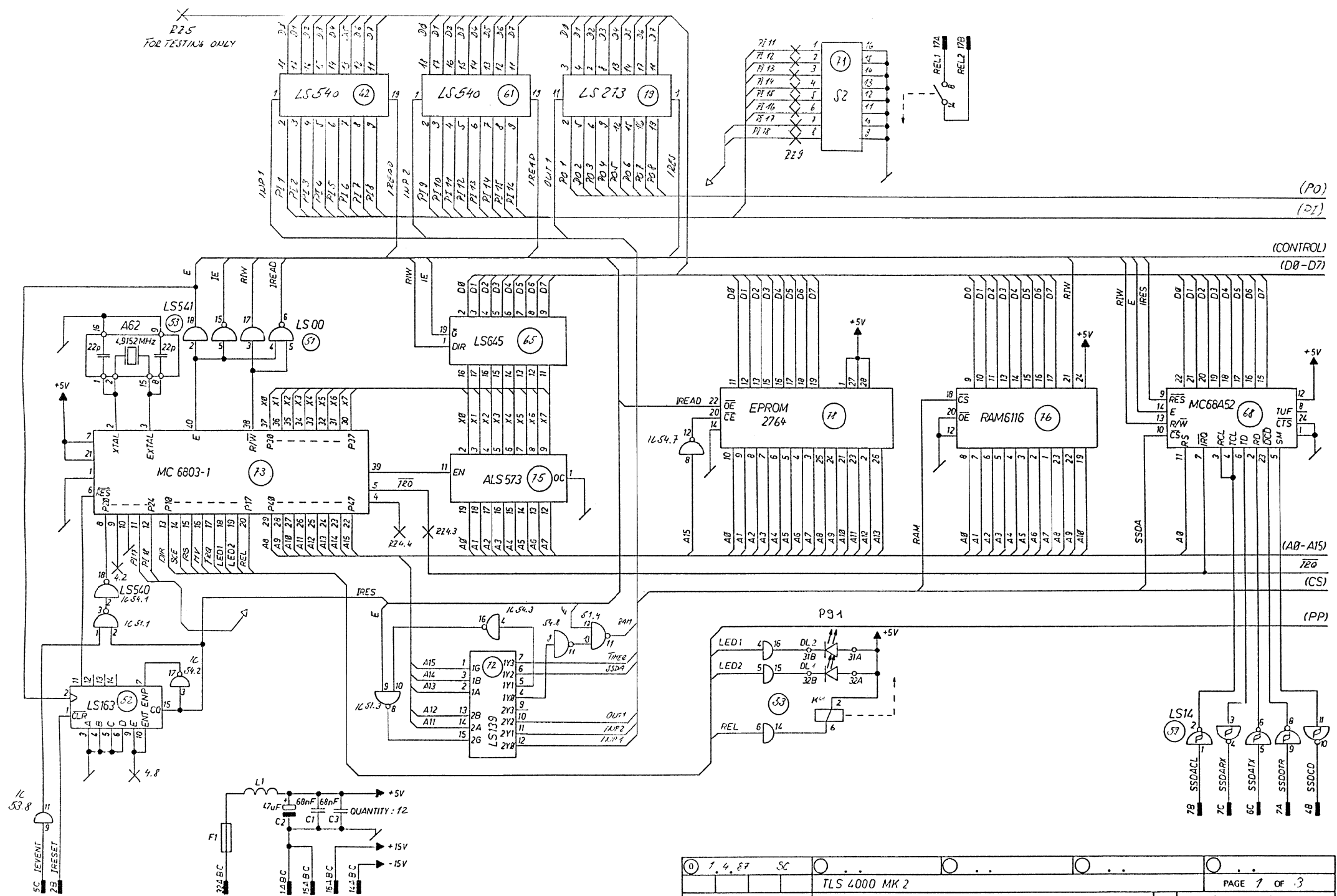
The two LED's on the interface FP43/30 PCB serve as status indicators and for diagnosing possible problems.

DL1 DL2



- | | | |
|---|---|---|
| | | after initialisation |
| - | - | no ERROR |
| - | * | EPROM error |
| * | - | RAM error |
| * | * | SSDA error (serial I/O) defectiv |
| | | during operation |
| - | - | no error |
| - | * | memory is not empty (Φ) |
| * | - | no communication between interface and machine |
| * | * | no communication between interface and synchronizer board |

E25
FOR TESTING ONLY



① 7.4.87	SC						
STUDER				TLS 4000 MK 2		PAGE 1 OF 3	
INTERFACE KINOTON FP 18/30				ESE	SC	1.8'2.422.20	

(CONTROL)

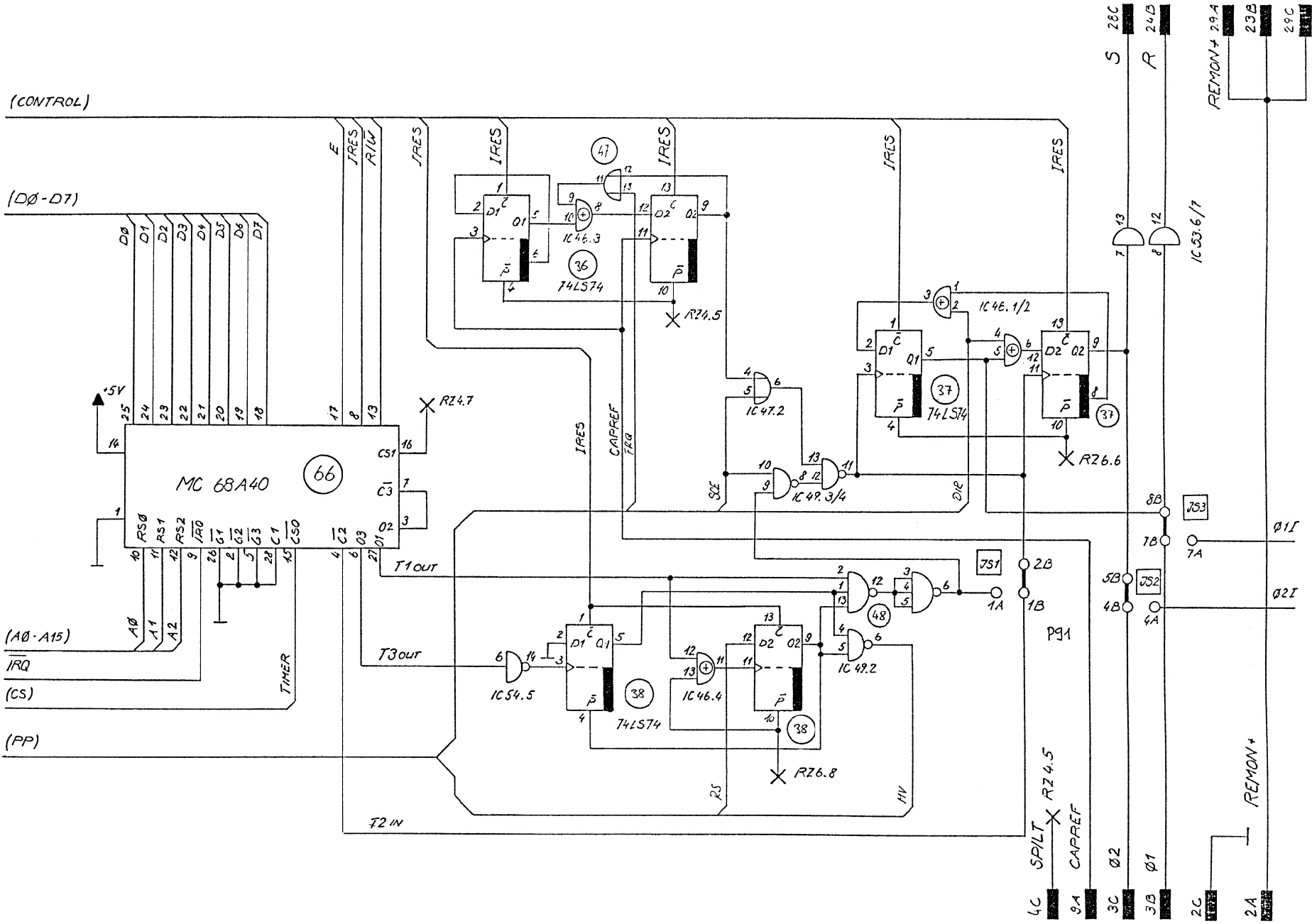
(D0-D7)

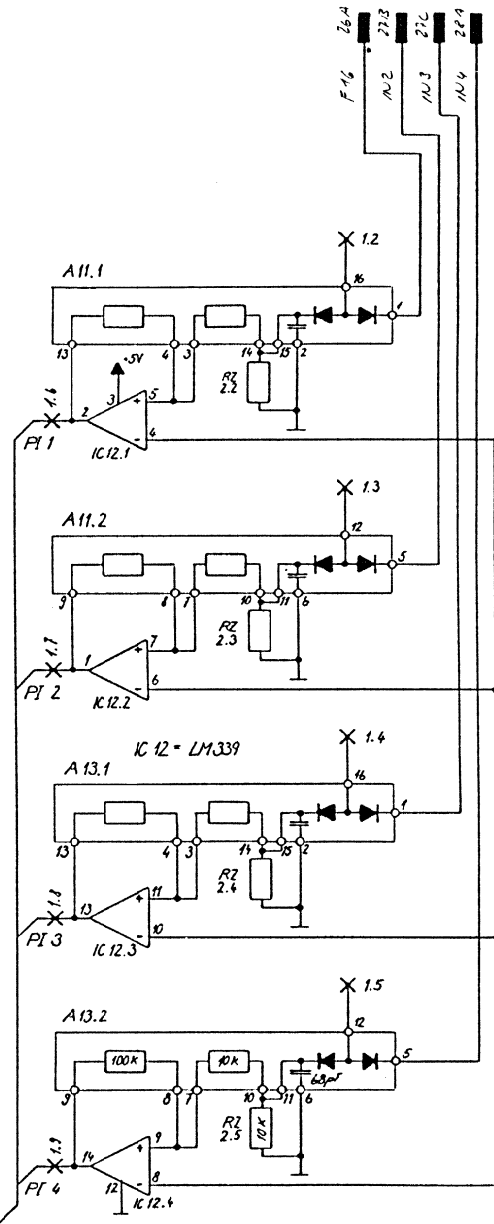
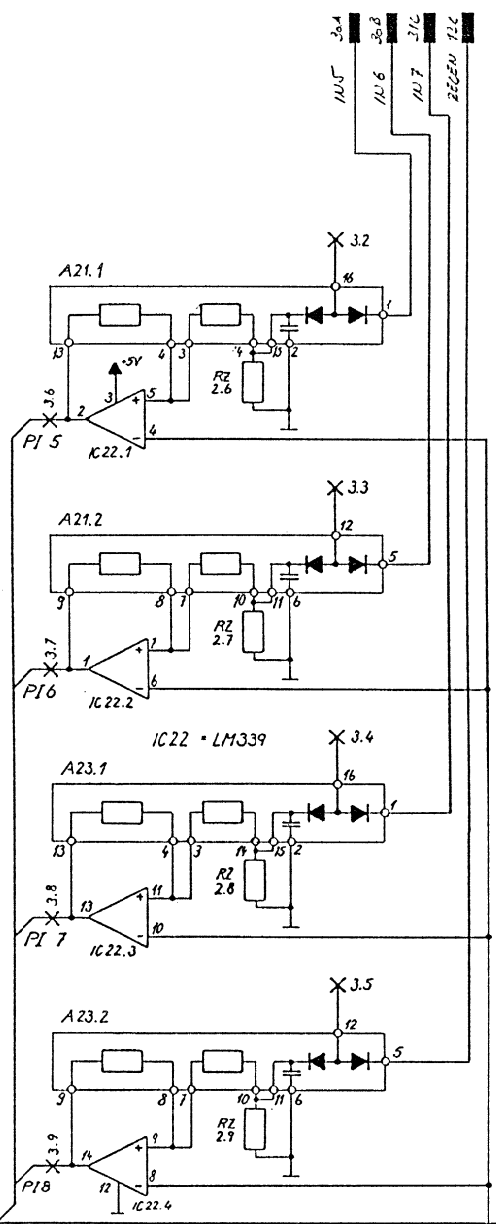
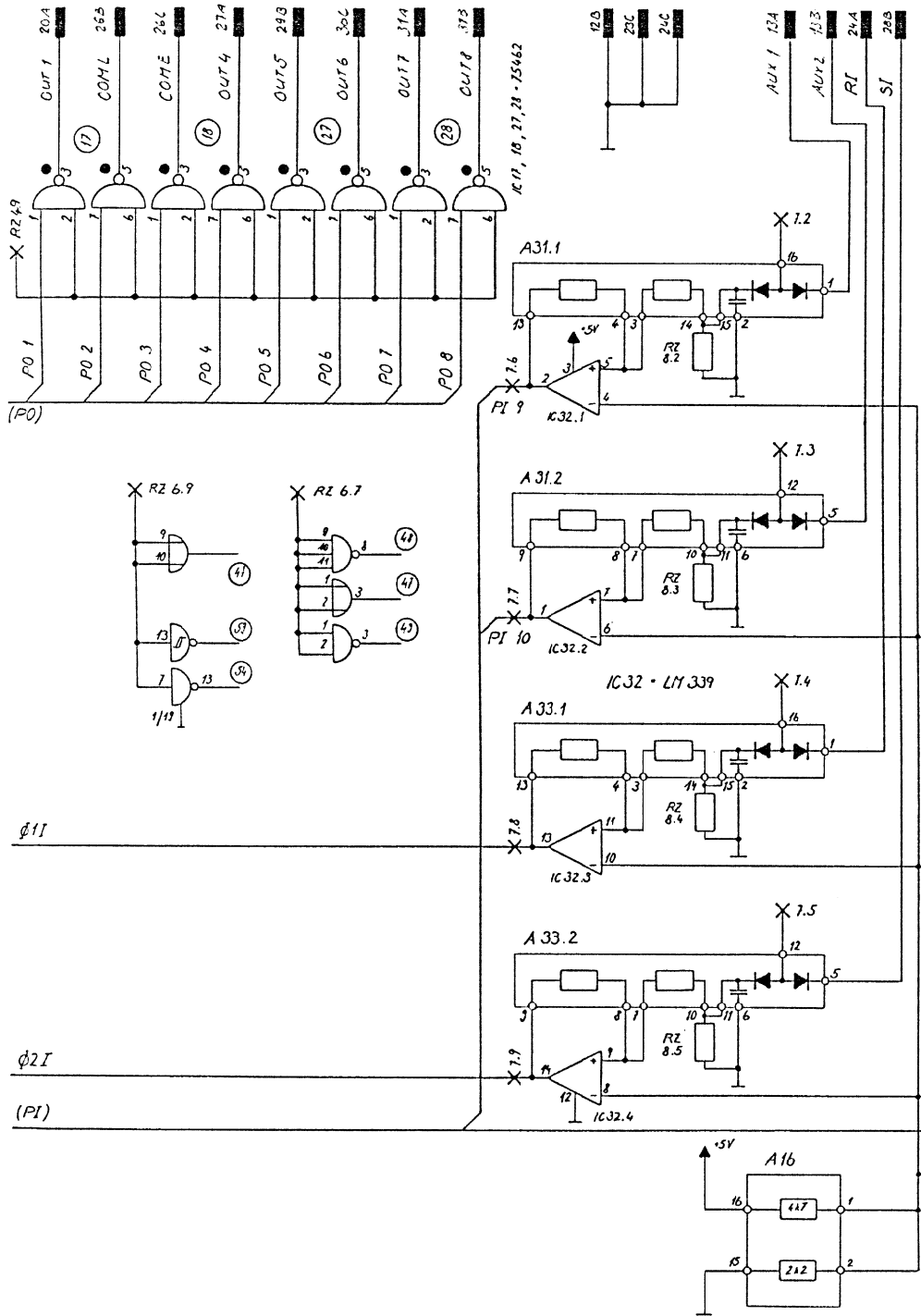
(A0-A15)

IRQ

(CS)

(PP)





① 1.4.87	SC								
STUDER		7LS 4000 MK2				INTERFACE KINTON FP 18 / 33		PAGE 3 OF 3	
						ESE SC		1.812.428.20	

INC.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
A.....11		1.812.208.00		Assembly 406-11	St
A.....13		1.812.208.00		Assembly 406-11	St
A.....16		1.812.217.00		Assembly 416-16	St
A.....21		1.812.208.00		Assembly 406-11	St
A.....23		1.812.208.00		Assembly 406-11	St
A.....31		1.812.208.00		Assembly 406-11	St
A.....33		1.812.208.00		Assembly 406-11	St
A.....62		1.812.201.00		Assembly 120-52	St
C.....01		59.99.0205	68 N	-20%, 63V, KER	
C.....02		59.25.3470	47 U	-20%, 16V, EL	
C.....03		59.99.1200	.068U	20%, 63V, PE	Quantity: 12
DL...C1		50.04.2107		Red ; 555-2007	
DL...C2		50.04.2107		Red ; 555-2007	
F.....C1		51.01.0122	3.15 AT	250V, 5 * 20	
IC...12		50.11.0104		LM 339 N	
IC...17		50.05.0227		SN 75 472 P, SN 75 462 JG,	
IC...18		50.05.0227		SN 75 472 P, SN 75 462 JG,	
IC...19		50.06.0273		SN 74 LS 273 N	
IC...22		50.11.0104		LM 339 N	
IC...27		50.05.0227		SN 75 472 P, SN 75 462 JG,	
IC...28		50.05.0227		SN 75 472 P, SN 75 462 JG,	
IC...32		50.11.0104		LM 339 N	
IC...36		50.06.0074		SN 74 LS 74 N	
IC...37		50.06.0074		SN 74 LS 74 N	
IC...38		50.06.0074		SN 74 LS 74 N	
IC...42		50.06.0540		SN 74 LS 540 N	
IC...46		50.06.0086		SN 74 LS 86 N	
IC...47		50.06.0032		SN 74 LS 32 N	
IC...48		50.06.0010		SN 74 LS 10 N	
IC...49		50.06.0000		SN 74 LS 00 N	
IC...51		50.06.0000		SN 74 LS 00 N	
IC...52		50.06.0163		SN 74 LS 163 AN	
IC...53		50.06.0541		SN 74 LS 541 N	

INC.	PCS.NC.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC...54	50.06.0540		SN 74 LS 540 N	
	IC...59	50.06.0014		SN 74 LS 14 N	
	IC...61	50.06.0540		SN 74 LS 540 N	
	IC...65	50.06.0645		SN 74 LS 645 N	
	IC...66	50.16.0113		MC68 A40 HD68 A40,	,A Mot,Hi
	IC...68	50.16.0114		MC68 A52 HD68 A52, S68A52	,A Mot,Hi,AMI
	IC...72	50.06.0139		SN 74 LS 139 N	
	IC...73	50.16.0107		MC 6803P-1, HD 6803P-1	,A Mot,Hi
	IC...75	50.06.1573		SN 74 ALS 573 N,	TI
	IC...76	50.14.0107		HM 6116 LP-4,MSM 5128-15	,A Hi,OKI
	IC...78	50.14.0113	see Note	D 2764-3 HN 482764 G-3	,A It,Hi,TI,SGS
	JS...C1	54.01.0021		Jumper	
	JS...C2	54.01.0021		Jumper	
	JS...C3	54.01.0021		Jumper	
	K....41	56.02.1003	5 V 1*A	100V/0.5A, Print	
	L....C1	62.01.0115		Wide Band HF-Choke	
	P....C1	54.01.0354		Card Connector 3 * 32 Euro Wrap	
	RZ...C1	57.88.4332	8*3.3K	5%, Single Line	
	RZ...C2	57.88.4103	8*10K	5%, Single Line	
	RZ...C3	57.88.4332	8*3.3K	5%, Single Line	
	RZ...C4	57.88.4332	8*3.3K	5%, Single Line	
	RZ...C6	57.88.4332	8*3.3K	5%, Single Line	
	RZ...C7	57.88.4332	8*3.3K	5%, Single Line	
	RZ...C8	57.88.4103	8*10K	5%, Single Line	
	RZ...C9	57.88.4332	8*3.3K	5%, Single Line	
	SZ...71	55.01.0168		8*A, DIL	

INC.	PGS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
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Note : Software release 1.812.971.20 (IC 78)

CER = Ceramic, EL = Electrolytic, MPETP = Met. Polyester

MANUFACTURERS : AMI = American Microsystem Inc
Hi = Hitachi
It = Intel
Mot = Motorola
OKI = CKI Semiconductor
SGS = SGS / Ates
St = Studer
TI = Texas Instruments

CRIG 87/04/01

S T U C E R (00) 87/C4/01

INTERFACE KINOTON FP 18/30

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STUDER

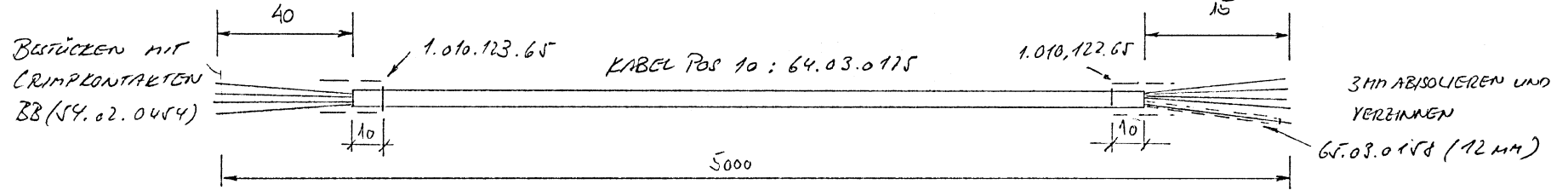
1.4.89 SC

1F-KABEL KINOTON FP 14/30

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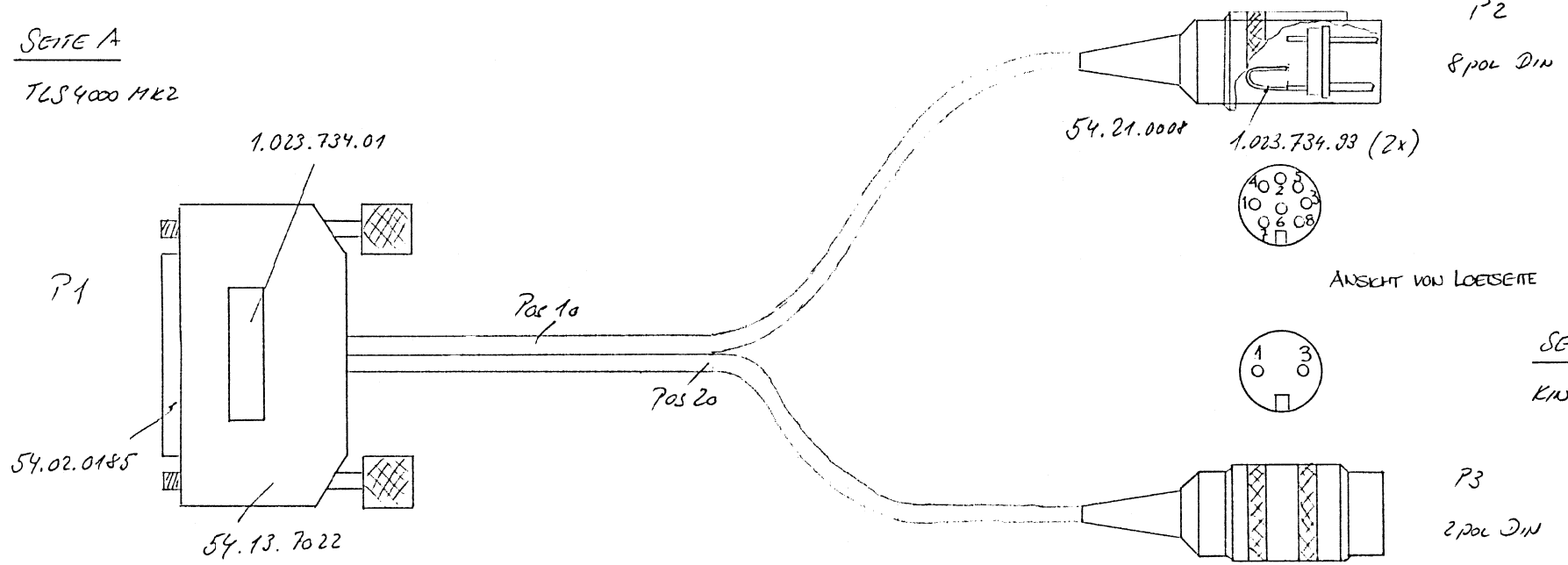
1.023.734.00

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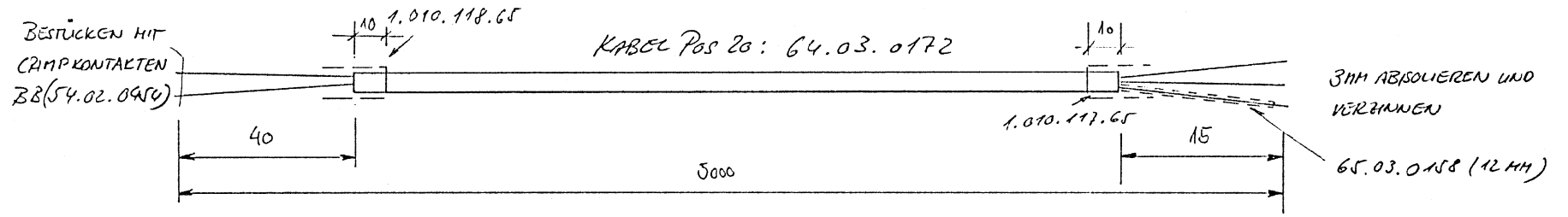
SEITE A

TLS 4000 MK2



SEITE B

KINOTON FP 14/30



PRODUKTIONS-VERDRÄHTUNGS-LISTE

*** 1.023.734.00 ***

AFND.DAT. 87/04/01-00

SFITE 1

IF-KABEL KINUTON FP 18/30 5M

PROC.DAT. 87/04/08 * 10:43

TOTAL 1 SEITE

BEMERKUNGEN :

STECKER P2 : ALLE LOETANSCHLUESSE MIT SCHRUMPFSCHLAUCH
(8 POL) 1.010.106.65 (6 *) ISOLIEREN

MOD IDX	BAUTEIL NR.	POS/A. NR.	FARBE	SIGNAL NAME	-- A N F A N G --				--- A N Z A P F U N G ---				----- F N D F -----				BEM		
					TYP	VERDRÄHTUNGSORT	LAENGE	TYP	VERDRÄHTUNGSORT	LAENGE	TYP	VERDRÄHTUNGSORT	LAENGE	TYP	VERDRÄHTUNGSORT	LAENGE		TYP	VERDRÄHTUNGSORT
					AS	GR	EL	PT	ANFANG	AS	GR	EL	PT	TOTAL	AS	GR	FL	PT	
	1.023.734.94	0010												5000					
		0050	BLK	SCREEN		00	00	00	00						SN3	00	00	02	01
		0010	GB	R	BB	00	00	01	03						SN3	00	00	02	05
		0040	WS	GND	BB	00	00	01	04						SN3	00	00	02	02
		0020	RT	S	BB	00	00	01	16						SN3	00	00	02	07
		0030	BL	REMON	BB	00	00	01	19						SN3	00	00	02	06
	1.023.734.94	0020												5000					
		0030	BLK	SCREEN		00	00	00	00						SN3	00	00	03	03
		0020	WS	GND	BB	00	00	01	01						SN3	00	00	03	03
		0010	BL	SYNC	BB	00	00	01	12						SN3	00	00	03	01
	1.023.734.93	0010	SW		L3	00	00	02	01					25	L3	00	00	02	04
	1.023.734.93	0020	SW		L3	00	00	02	02					25	L3	00	00	02	04