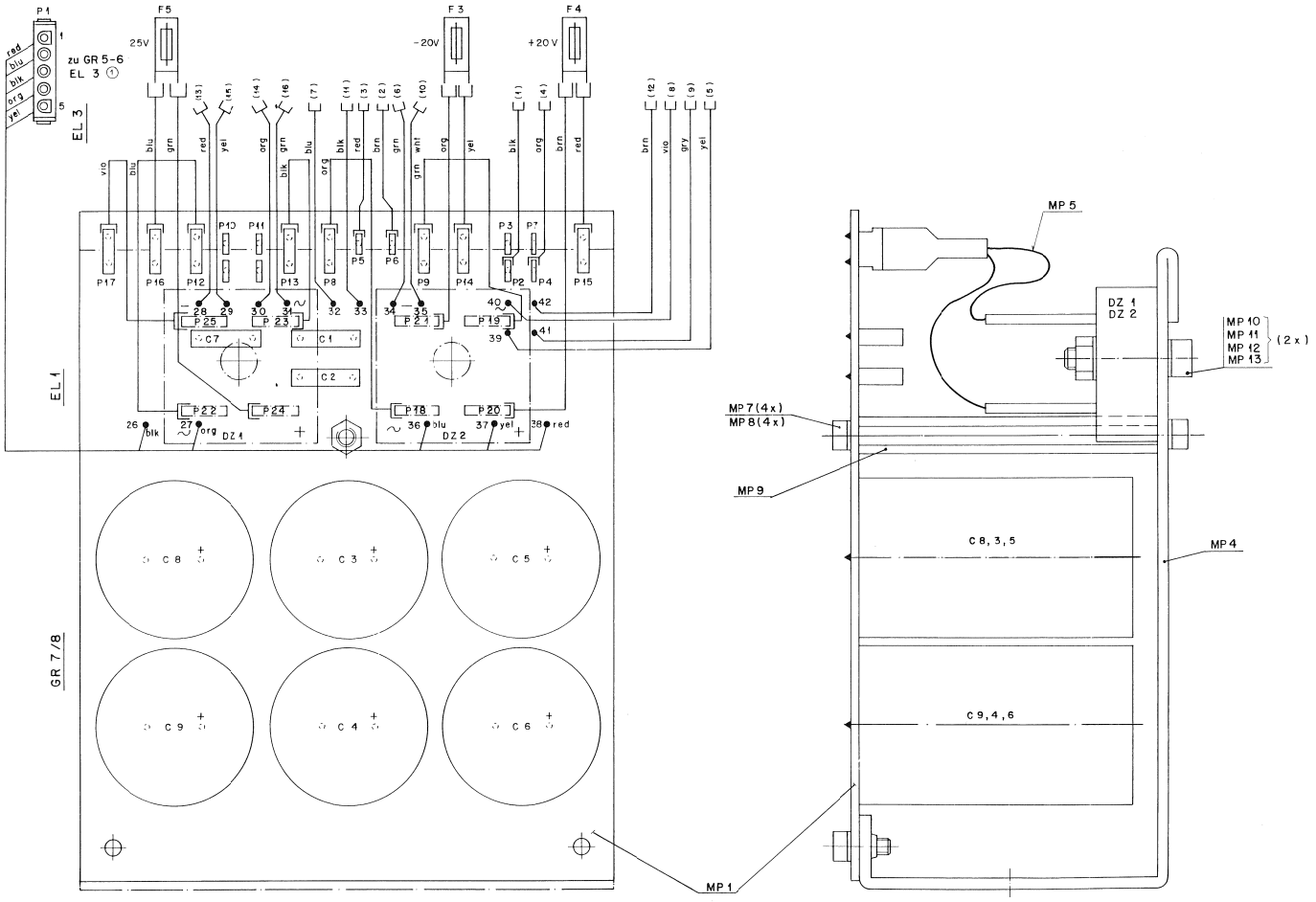
RECTIFIER/CONDENSATOR BOARD 1.918.083.00



Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C.....1	59.31.6104	100 nF PE	
	C.....2	59.31.6104	100 nF PE	
	C.....3	59.29.4103	0.01 F 35V EL	Sie
	C.....4	59.29.4103	0.01 F 35V EL	Sie
	C.....5	59.29.4103	0.01 F 35V EL	Sie
	C.....6	59.29.4103	0.01 F 35V EL	Sie
	C.....7	59.31.6104	100 nF PE	
	C.....8	59.29.4103	0.01 F 35V EL	Sie
	C.....9	59.29.4103	0.01 F 35V EL	Sie
	DZ....1	70.01.0232	200V 35A	
	DZ....2	70.01.0232	200V 35A	
	MP....1	1.918.083.11	1 pcs Condensator PCB	St
	MP....2	1.918.083.04	1 pcs Nr-Etikette	
	MP....3	. . . 0	not used	
	MP....4	1.918.083.01	1 pcs Kuehlkoerper	St
	MP....5	1.918.083.93	1 pcs Li-LiCondensator Board	St
	MP....6	. . . 0	not used	
	MP....7	21.53.0355	4 pcs Z-Schrauben M3*8	
	MP....8	24.16.1030	4 pcs Rippenscheibe M3	
	MP....9	1.010.220.27	1 pcs Mutterbolzen 6-kt M3*56mm	St
	MP...10	21.53.0460	2 pcs Z-Schrauben M4*20	
	MP...11	24.16.1040	2 pcs Rippenscheibe M4	
	MP...12	23.01.1043	2 pcs U-Scheibe	
	MP...13	22.01.8040	2 pcs Sechskantmutter M4 0.8d	
	P.....1	. . . 0	not used is Part of LL 1.918.083.93	
	P.....2	54.02.0320	Faston connector 2.8mm	
	P.....3	54.02.0320	Faston connector 2.8mm	
	P.....4	54.02.0320	Faston connector 2.8mm	
	P.....5	54.02.0320	Faston connector 2.8mm	
	P.....6	54.02.0320	Faston connector 2.8mm	
	P.....7	54.02.0320	Faston connector 2.8mm	
	P.....8	54.02.0335	Faston connector 6.3mm	
	P.....9	54.02.0335	Faston connector 6.3mm	
	P....10	54.02.0320	Faston connector 2.8mm	
	P....11	54.02.0320	Faston connector 2.8mm	
	P....12	54.02.0335	Faston connector 6.3mm	
	P....13	54.02.0335	Faston connector 6.3mm	
	P....14	54.02.0335	Faston connector 6.3mm	
	P....15	54.02.0335	Faston connector 6.3mm	
	P....16	54.02.0335	Faston connector 6.3mm	
	P....17	54.02.0335	Faston connector 6.3mm	
	P....18	. . . 0	not used is Part of Power-Rectifier	
	P....19	. . . 0	not used is Part of Power-Rectifier	
	P....20	. . . 0	not used is Part of Power-Rectifier	
	P....21	. . . 0	not used is Part of Power-Rectifier	
	P....22	. . . 0	not used is Part of Power-Rectifier	
	P....23	. . . 0	not used is Part of Power-Rectifier	
	P....24	. . . 0	not used is Part of Power-Rectifier	
	P....25	. . . 0	not used is Part of Power-Rectifier	

EL=Electrolytic, PE=Polyester

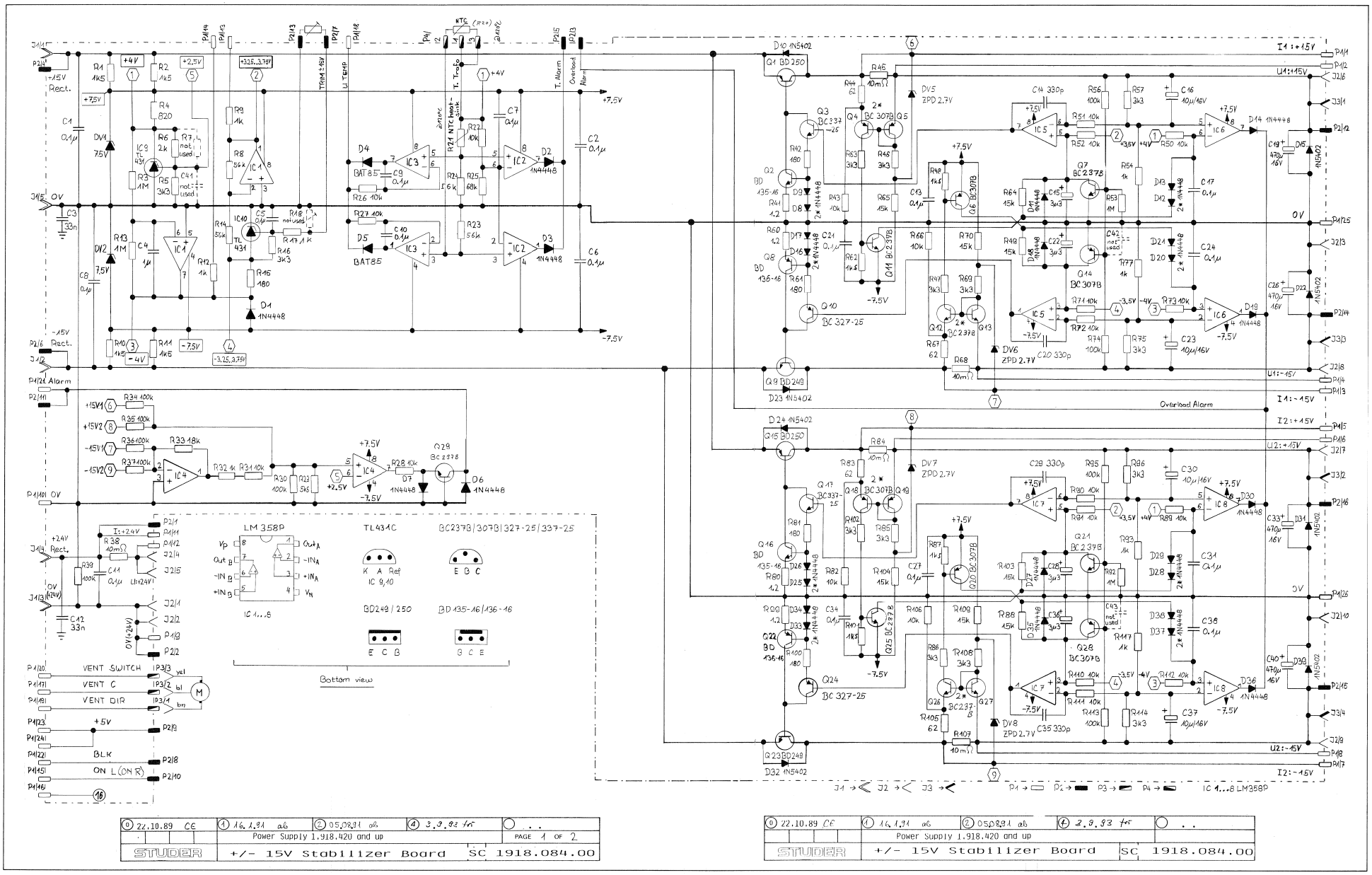
MANUFACTURER: GI=General Instruments, PH=Philips, NS=National Semicond
Sie=Siemens, ST=Studer, TI=Texas Instrument, Ya=Yamaichi

1.918.083.00 RECTIFIER CONDENSATOR BOARD AB 90/11/1300

Zugehörige Unterlagen: PL,LL,BV640 ①	Freimassstoleranz:	Massstab: 2:1	Änderung				③ ②
				3.5.91			①
			Ausgabe	17.4.90			⓪
				Datum	Gez.	Gepr.	Ges.	Index
Ersatz für:	Ersetzt durch:		Kopie für:				
STUDER REGENSDORF ZÜRICH	Benennung: RECTIFIER / CONDENSATOR BOARD		Nummer: 1.918.083-00				

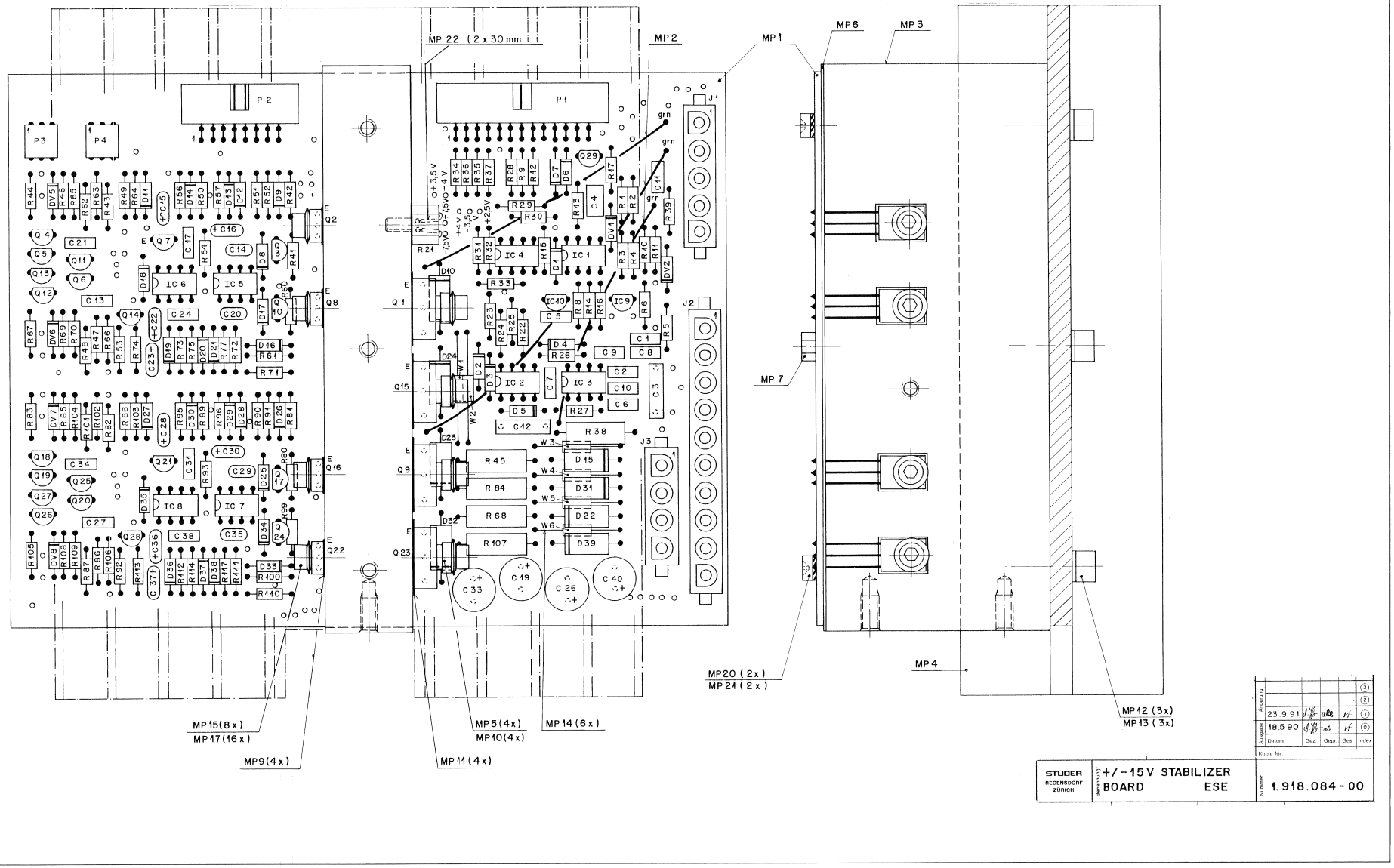
+/-15V STABILIZER BOARD

1.918.084.00



±15V STABILIZER BOARD ESE

1.918.084.00



±15V STABILIZER BOARD

1.918.084.00

Ad	..POS..	...REF.No...	DESCRIPTION				MANUFACTURER
	C.....1	59.06.0104	100 nF			PE	
	C.....2	59.06.0104	100 nF			PE	
	C.....3	59.31.8333	33 nF		400V	PE	
	C.....4	59.06.0105	1 uF			PE	
	C.....5	59.06.0104	100 nF			PE	
	C.....6	59.06.0104	100 nF			PE	
	C.....7	59.06.0104	100 nF			PE	
	C.....8	59.06.0104	100 nF			PE	
	C.....9	59.06.0104	100 nF			PE	
	C....10	59.06.0104	100 nF			PE	
	C....11	59.06.0104	100 nF			PE	
	C....12	59.31.8333	33 nF		400V	PE	
	C....13	59.06.0104	100 nF			PE	
	C....14	59.34.4331	330 pF			CER	
	C....15	59.26.2339	3.3uF		16V	SAL	
	C....16	59.26.2100	10 uF		16V	SAL	
	C....17	59.06.0104	100 nF			PE	
	C....18	. . 0	not used				
	C....19	59.22.4471	470 uF		16V	EL	
	C....20	59.34.4331	330 pF			CER	
	C....21	59.06.0104	100 nF			PE	
	C....22	59.26.2339	3.3uF		16V	SAL	
	C....23	59.26.2100	10 uF		16V	SAL	
	C....24	59.06.0104	100 nF			PE	
	C....25	. . 0	not used				
	C....26	59.22.4471	470 uF		16V	EL	
	C....27	59.06.0104	100 nF			PE	
	C....28	59.26.2339	3.3uF		16V	SAL	
	C....29	59.34.4331	330 pF			CER	
	C....30	59.26.2100	10 uF		16V	SAL	
	C....31	59.06.0104	100 nF			PE	
	C....32	. . 0	not used				
	C....33	59.22.4471	470 uF		16V	EL	
	C....34	59.06.0104	100 nF			PE	
	C....35	59.34.4331	330 pF			CER	
	C....36	59.26.2339	3.3uF		16V	SAL	
	C....37	59.26.2100	10 uF		16V	SAL	
	C....38	59.06.0104	100 nF			PE	
	C....39	. . 0	not used				
	C....40	59.22.4471	470 uF		16V	EL	
	D.....1	50.04.0125	1N 4448	Si	Diode		any
	D.....2	50.04.0125	1N 4448	Si	Diode		any
	D.....3	50.04.0125	1N 4448	Si	Diode		any
	D.....4	50.04.0127	BAT 85	Schottky Diode			any
	D.....5	50.04.0127	BAT 85	Schottky Diode			any
	D.....6	50.04.0125	1N 4448	Si	Diode		any
	D.....7	50.04.0125	1N 4448	Si	Diode		any
	D.....8	50.04.0125	1N 4448	Si	Diode		any
	D.....9	50.04.0125	1N 4448	Si	Diode		any
	D....10	50.04.0507	1N 5402	Si	Diode 3A		any
	D....11	50.04.0125	1N 4448	Si	Diode		any
	D....12	50.04.0125	1N 4448	Si	Diode		any
	D....13	50.04.0125	1N 4448	Si	Diode		any
	D....14	50.04.0125	1N 4448	Si	Diode		any
	D....15	50.04.0507	1N 5402	Si	Diode 3A		any
	D....16	50.04.0125	1N 4448	Si	Diode		any
	D....17	50.04.0125	1N 4448	Si	Diode		any
	D....18	50.04.0125	1N 4448	Si	Diode		any
	D....19	50.04.0125	1N 4448	Si	Diode		any
	D....20	50.04.0125	1N 4448	Si	Diode		any
	D....21	50.04.0125	1N 4448	Si	Diode		any
	D....22	50.04.0507	1N 5402	Si	Diode 3A		any
	D....23	50.04.0507	1N 5402	Si	Diode 3A		any
	D....24	50.04.0507	1N 5402	Si	Diode 3A		any
	D....25	50.04.0125	1N 4448	Si	Diode		any
	D....26	50.04.0125	1N 4448	Si	Diode		any
	D....27	50.04.0125	1N 4448	Si	Diode		any
	D....28	50.04.0125	1N 4448	Si	Diode		any
	D....29	50.04.0125	1N 4448	Si	Diode		any
	D....30	50.04.0125	1N 4448	Si	Diode		any
	D....31	50.04.0507	1N 5402	Si	Diode 3A		any
	D....32	50.04.0507	1N 5402	Si	Diode 3A		any
	D....33	50.04.0125	1N 4448	Si	Diode		any
	D....34	50.04.0125	1N 4448	Si	Diode		any
	D....35	50.04.0125	1N 4448	Si	Diode		any
	D....36	50.04.0125	1N 4448	Si	Diode		any
	D....37	50.04.0125	1N 4448	Si	Diode		any
	D....38	50.04.0125	1N 4448	Si	Diode		any
	D....39	50.04.0507	1N 5402	Si	Diode 3A		any
	DV....1	50.04.1503	ZPD 7.5V	Si	Z-Diode 1.3W		any
	DV....2	50.04.1503	ZPD 7.5V	Si	Z-Diode 1.3W		any
	DV....3	. . 0	not used				
	DV....4	. . 0	not used				
	DV....5	50.04.1106	ZPD 2.7V	Si	Z-Diode 0.5W		any
	DV....6	50.04.1106	ZPD 2.7V	Si	Z-Diode 0.5W		any
	DV....7	50.04.1106	ZPD 2.7V	SI	Z-Diode 0.5W		any
	DV....8	50.04.1106	ZPD 2.7V	Si	Z-Diode 0.5W		any
	IC....1	50.05.0286	LM 358P	Dual Op.Amp.			TI
	IC....2	50.05.0286	LM 358P	Dual Op.Amp.			TI
	IC....3	50.05.0286	LM 358P	Dual Op.Amp.			TI
	IC....4	50.05.0286	LM 358P	Dual Op.Amp.			TI
	IC....5	50.05.0286	LM 358P	Dual Op.Amp.			TI
	IC....6	50.05.0286	LM 358P	Dual Op.Amp.			TI
	IC....7	50.05.0286	LM 358P	Dual Op.Amp.			TI
	IC....8	50.05.0286	LM 358P	Dual Op.Amp.			TI
	IC....9	50.10.0106	TL 431C	Shunt-Regulator			TI
	IC...10	50.10.0106	TL 431C	Shunt-Regulator			TI

Ad	..POS..	...REF.No...	DESCRIPTION		MANUFACTURER
	J.....1	54.25.0005	5PIN	Power-Connector	
	J.....2	54.25.0010	10PIN	Power-Connector	
	J.....3	54.25.0004	4PIN	Power-Connector	
	MP....1	1.918.084.11	1 pcs	Print	St
	MP....2	1.918.084.93	1 pcs	Litzenliste	St
	MP....3	1.918.084.01	1 pcs	Kuehlprofiltraeger	St
	MP....4	1.918.084.02	1 pcs	Kuehlprofil	St
	MP....5	1.010.098.27	4 pcs	Distanzhuelse	St
	MP....6	1.918.084.03	1 pcs	Isolierunterlage	St
	MP....7	1.010.013.22	1 pcs	Nietmuttern M3*3mm	St
	MP....8	43.01.0108	1 pcs	ESE Warnschild	
	MP....9	50.20.0317	4 pcs	Glimmer TO 218	
	MP...10	50.20.0404	4 pcs	Durchfuehrung	
	MP...11	50.20.0310	4 pcs	Glimmer TO 126	
	MP...12	21.53.0456	3 pcs	Schrauben M4*10mm Z	
	MP...13	24.16.1040	3 pcs	Rippenscheiben M4	
	MP...14	57.11.3000	6 pcs	0 Ohm Drahtbruecken W1...W6	
	MP...15	21.53.0355	8 pcs	Schrauben M3*8mm Z	
02	MP...15	21.53.0356	8 pcs	Schrauben M3*10mm Z	
	MP...16	. . 0	not used		
	MP...17	37.01.0101	16 pcs	Federscheiben M3	
03	MP...18	. . 0	not used		
03	MP...19	. . 0	not used		
	MP...20	21.38.0355	2 pcs	Schrauben M3*8mm A2 Z	
	MP...21	24.16.2030	2 pcs	Faecherscheibe A d 3,2	
03	MP...22	65.99.0111	2 * 30 mm	PTFE-Schlauch Spez. 0.89 * 0.152 mm.	
	P.....1	54.14.2074	26PIN	PCB Flat-cabel connector	Ya
	P.....2	54.14.2072	16PIN	PCB Flat-cabel connector	Ya
	P.....3	54.01.0249	3PIN	CIS Connector	
	P.....4	54.01.0249	3PIN	CIS Connector	
	Q.....1	50.03.0951	BD 250	PNP	TI
	Q.....2	50.03.0495	BD 135-16	NPN	Ph
	Q.....3	50.03.0340	BC 337-25	NPN	any
	Q.....4	50.03.0515	BC 307B	PNP	any
	Q.....5	50.03.0515	BC 307B	PNP	any
	Q.....6	50.03.0515	BC 307B	PNP	any
	Q.....7	50.03.0436	BC 237B	NPN	any
	Q.....8	50.03.0510	BD 136-16	PNP	Ph
	Q.....9	50.03.0901	BD 249	NPN	TI
	Q....10	50.03.0351	BC 327-25	PNP	any
	Q....11	50.03.0436	BC 237B	NPN	any
	Q....12	50.03.0436	BC 237B	NPN	any
	Q....13	50.03.0436	BC 237B	NPN	any
	Q....14	50.03.0515	BC 307B	PNP	any
	Q....15	50.03.0951	BD 250	PNP	TI
	Q....16	50.03.0495	BD 135-16	NPN	Ph
	Q....17	50.03.0340	BC 337-25	NPN	any
	Q....18	50.03.0515	BC 307B	PNP	any
	Q....19	50.03.0515	BC 307B	PNP	any
	Q....20	50.03.0515	BC 307B	PNP	any
	Q....21	50.03.0436	BC 237B	NPN	any
	Q....22	50.03.0510	BD 136-16	PNP	Ph
	Q....23	50.03.0901	BD 249	NPN	TI
	Q....24	50.03.0351	BC 327-25	PNP	any
	Q....25	50.03.0436	BC 237B	NPN	any
	Q....26	50.03.0436	BC 237B	NPN	any
	Q....27	50.03.0436	BC 237B	NPN	any
	Q....28	50.03.0515	BC 307B	PNP	any
	Q....29	50.03.0436	BC 237B	NPN	any
	R.....1	57.11.3152	1.5 kOhm	1% 0.25W	
	R.....2	57.11.3152	1.5 kOhm	1% 0.25W	
	R.....3	57.11.3105	1 MOhm	5% 0.25W	
	R.....4	57.11.3821	820 Ohm	1% 0.25W	
	R.....5	57.11.3332	3.3 kOhm	1% 0.25W	
	R.....6	57.11.3202	2 kOhm	1% 0.25W	
	R.....7	. . 0	not used		
	R.....8	57.11.3563	56 kOhm	1% 0.25W	
	R.....9	57.11.3102	1 kOhm	1% 0.25W	
	R....10	57.11.3152	1.5 kOhm	1% 0.25W	
	R....11	57.11.3152	1.5 kOhm	1% 0.25W	
	R....12	57.11.3102	1 kOhm	1% 0.25W	
	R....13	57.11.3105	1 MOhm	5% 0.25W	
	R....14	57.11.3563	56 kOhm	1% 0.25W	
	R....15	57.11.3181	180 Ohm	1% 0.25W	
	R....16	57.11.3332	3.3 kOhm	1% 0.25W	
	R....17	57.11.3102	1 kOhm	1% 0.25W	
	R....18	. . 0	not used	voltage adjust on board	
	R....19	. . 0	not used	voltage adjust on 1.918.085, 2k]] 2k2	
	R....20	. . 0	not used	1.918.079.00 NTC-Sensor on Trafo	
03	R....21	57.99.0803	470 kOhm	10%, NTC	Sie.
	R....22	57.11.3103	10 kOhm	1% 0.25W	
	R....23	57.11.3563	56 kOhm	1% 0.25W	
	R....24	57.11.3563	56 kOhm	1% 0.25W	
	R....25	57.11.3683	68 kOhm	1% 0.25W	
	R....26	57.11.3103	10 kOhm	1% 0.25W	
	R....27	57.11.3103	10 kOhm	1% 0.25W	
	R....28	57.11.3102	1 kOhm	1% 0.25W	
02	R....28	57.11.3103	10 kOhm	1% 0.25W	
	R....29	57.11.3562	5.6 kOhm	1% 0.25W	
	R....30	57.11.3104	100 kOhm	1% 0.25W	
	R....31	57.11.3103	10 kOhm	1% 0.25W	
	R....32	57.11.3102	1 kOhm	1% 0.25W	
	R....33	57.11.3183	18 kOhm	1% 0.25W	
	R....34	57.11.3104	100 kOhm	1% 0.25W	

±15V STABILIZER BOARD

1.918.084.00

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	R....35	57.11.3104	100 kOhm 1% 0.25W	
	R....36	57.11.3104	100 kOhm 1% 0.25W	
	R....37	57.11.3104	100 kOhm 1% 0.25W	
	R....38	57.56.2010	10 mOhm 3% 3 W	
	R....39	57.11.3104	100 kOhm 1% 0.25W	
	R....40	. . 0	not used	
	R....41	57.11.3129	1.2 Ohm 1% 0.25W	
	R....42	57.11.3181	180 Ohm 1% 0.25W	
	R....43	57.11.3103	10 kOhm 1% 0.25W	
	R....44	57.11.3620	62 Ohm 1% 0.25W	
	R....45	57.56.2010	10 mOhm 3% 3 W	
	R....46	57.11.3332	3.3 kOhm 1% 0.25W	
	R....47	57.11.3332	3.3 kOhm 1% 0.25W	
	R....48	57.11.3102	1 kOhm 1% 0.25W	
01	R....48	57.11.3152	1.5 kOhm 1% 0.25W	
04	R....48	57.11.3122	1.2 kOhm 1% 0.25W	
	R....49	57.11.3153	15 kOhm 1% 0.25W	
	R....50	57.11.3103	10 kOhm 1% 0.25W	
	R....51	57.11.3103	10 kOhm 1% 0.25W	
	R....52	57.11.3103	10 kOhm 1% 0.25W	
	R....53	57.11.3105	1 MOhm 5% 0.25W	
	R....54	57.11.3102	1 kOhm 1% 0.25W	
	R....55	. . 0	not used	
	R....56	57.11.3104	100 kOhm 1% 0.25W	
	R....57	57.11.3332	3.3 kOhm 1% 0.25W	
	R....58	. . 0	not used	
	R....59	. . 0	not used	
	R....60	57.11.3129	1.2 Ohm 1% 0.25W	
	R....61	57.11.3181	180 Ohm 1% 0.25W	
	R....62	57.11.3102	1 kOhm 1% 0.25W	
01	R....62	57.11.3152	1.5 kOhm 1% 0.25W	
04	R....62	57.11.3122	1.2 kOhm 1% 0.25W	
	R....63	57.11.3332	3.3 kOhm 1% 0.25W	
	R....64	57.11.3153	15 kOhm 1% 0.25W	
	R....65	57.11.3153	15 kOhm 1% 0.25W	
	R....66	57.11.3103	10 kOhm 1% 0.25W	
	R....67	57.11.3620	62 Ohm 1% 0.25W	
	R....68	57.56.2010	10 mOhm 3% 3 W	
	R....69	57.11.3332	3.3 kOhm 1% 0.25W	
	R....70	57.11.3153	15 kOhm 1% 0.25W	
	R....71	57.11.3103	10 kOhm 1% 0.25W	
	R....72	57.11.3103	10 kOhm 1% 0.25W	
	R....73	57.11.3103	10 kOhm 1% 0.25W	
	R....74	57.11.3104	100 kOhm 1% 0.25W	
	R....75	57.11.3332	3.3 kOhm 1% 0.25W	
	R....76	. . 0	not used	
	R....77	57.11.3102	1 kOhm 1% 0.25W	
	R....78	. . 0	not used	
	R....79	. . 0	not used	
	R....80	57.11.3129	1.2 Ohm 1% 0.25W	
	R....81	57.11.3181	180 Ohm 1% 0.25W	
	R....82	57.11.3103	10 kOhm 1% 0.25W	
	R....83	57.11.3620	62 Ohm 1% 0.25W	
	R....84	57.56.2010	10 mOhm 3% 3 W	
	R....85	57.11.3332	3.3 kOhm 1% 0.25W	
	R....86	57.11.3332	3.3 kOhm 1% 0.25W	
	R....87	57.11.3102	1 kOhm 1% 0.25W	
01	R....87	57.11.3152	1.5 kOhm 1% 0.25W	
04	R....87	57.11.3122	1.2 kOhm 1% 0.25W	
	R....88	57.11.3153	15 kOhm 1% 0.25W	
	R....89	57.11.3103	10 kOhm 1% 0.25W	
	R....90	57.11.3103	10 kOhm 1% 0.25W	
	R....91	57.11.3103	10 kOhm 1% 0.25W	
	R....92	57.11.3105	1 MOhm 5% 0.25W	
	R....93	57.11.3102	1 kOhm 1% 0.25W	
	R....94	. . 0	not used	
	R....95	57.11.3104	100 kOhm 1% 0.25W	
	R....96	57.11.3332	3.3 kOhm 1% 0.25W	
	R....97	. . 0	not used	
	R....98	. . 0	not used	
	R....99	57.11.3129	1.2 Ohm 1% 0.25W	
	R...100	57.11.3181	180 Ohm 1% 0.25W	
	R...101	57.11.3102	1 kOhm 1% 0.25W	
01	R...101	57.11.3152	1.5 kOhm 1% 0.25W	
04	R...101	57.11.3122	1.2 kOhm 1% 0.25W	
	R...102	57.11.3332	3.3 kOhm 1% 0.25W	
	R...103	57.11.3153	15 kOhm 1% 0.25W	
	R...104	57.11.3153	15 kOhm 1% 0.25W	
	R...105	57.11.3620	62 Ohm 1% 0.25W	
	R...106	57.11.3103	10 kOhm 1% 0.25W	
	R...107	57.56.2010	10 mOhm 3% 3 W	
	R...108	57.11.3332	3.3 kOhm 1% 0.25W	
	R...109	57.11.3153	15 kOhm 1% 0.25W	
	R...110	57.11.3103	10 kOhm 1% 0.25W	
	R...111	57.11.3103	10 kOhm 1% 0.25W	
	R...112	57.11.3103	10 kOhm 1% 0.25W	
	R...113	57.11.3104	100 kOhm 1% 0.25W	
	R...114	57.11.3332	3.3 kOhm 1% 0.25W	
	R...115	. . 0	not used	
	R...116	. . 0	not used	
	R...117	57.11.3102	1 kOhm 1% 0.25W	
	W.....0	. .	see MP 14	

(01) 91/01/16 Current-Limiter set to appr. 6...9A (before 12...15 A)
R 48, 62, 87, 101 new 1k5

(02) 91/08/05 Screws (MP 15) longer
less current flow: R 28 new 10k instead of 1k

(03) 91/09/23 Philips NTC Resistor #57.99.0208 is no longer available.
R21 is now a Siemens NTC Resistor #57.99.0803 and the
leads are insulated with 2 pcs. PTFE-tube #65.99.0111,
L=30 mm. (MP22 position).
MP18 & MP19 positions are no longer used.

(04) 93/09/03 Current-Limiter set to appr. 9..12A (before 6...9A)
R 48, 62, 87, 101 new 1k2

CER=Ceramic, CF=Carbon Film, EL=Electrolytic, MF=Metal Film,
PE=Polyester, SAL=Solid aluminium lacquard

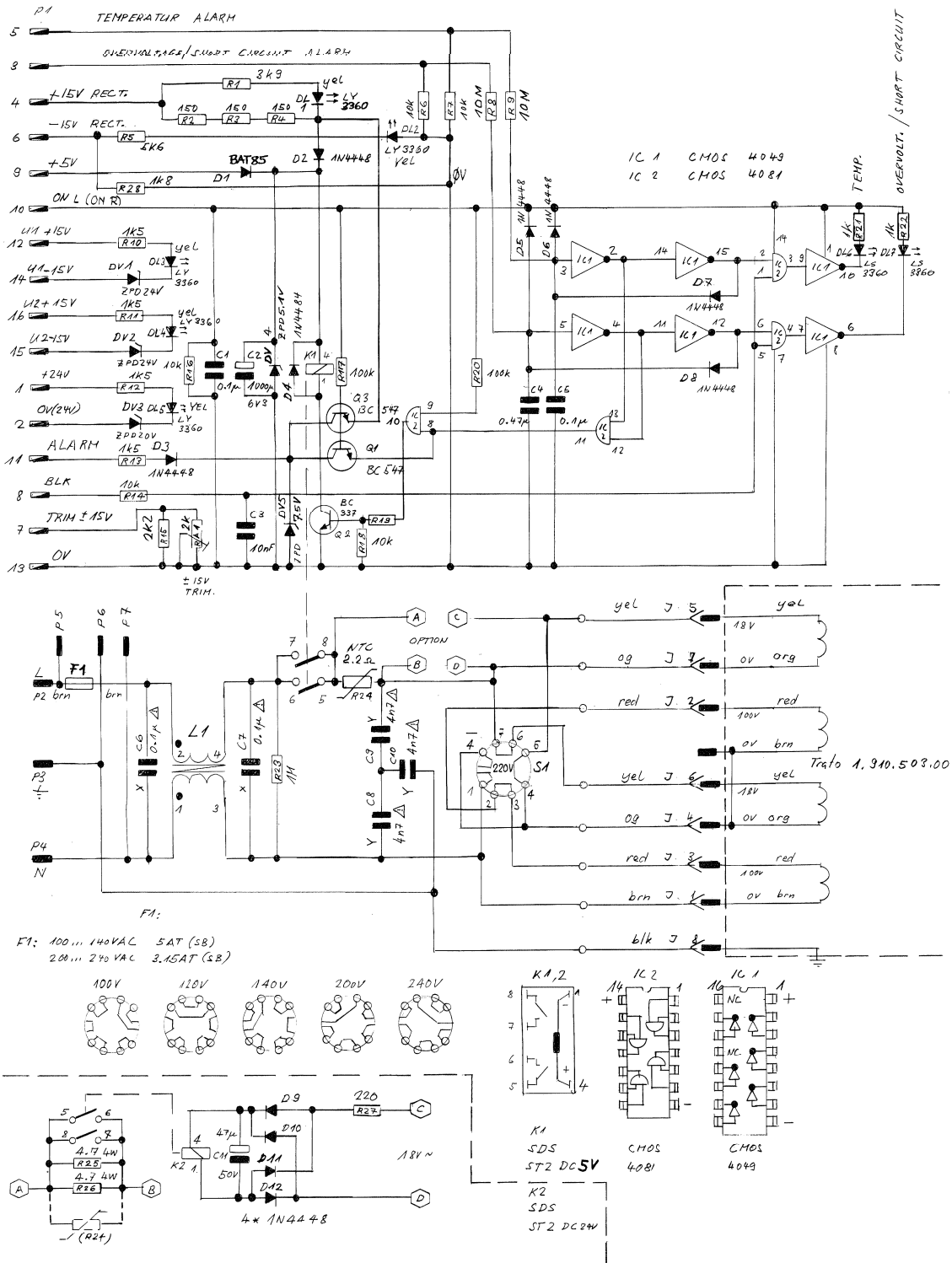
MANUFACTURERS: Ph=Philips, Sie=Siemens, St=Studer, TI=Texas Instrument
Ya=Yamaichi

1.918.084.00	+/-15V STABILIZER	AB 90/11/2700
1.918.084.00	+/-15V STABILIZER	AB 91/01/1601
1.918.084.00	+/-15V STABILIZER	AB 91/08/0502
1.918.084.00	+/-15V STABILIZER	AB 91/09/2303
1.918.084.00	+/-15V STABILIZER	FRI93/09/0304

END

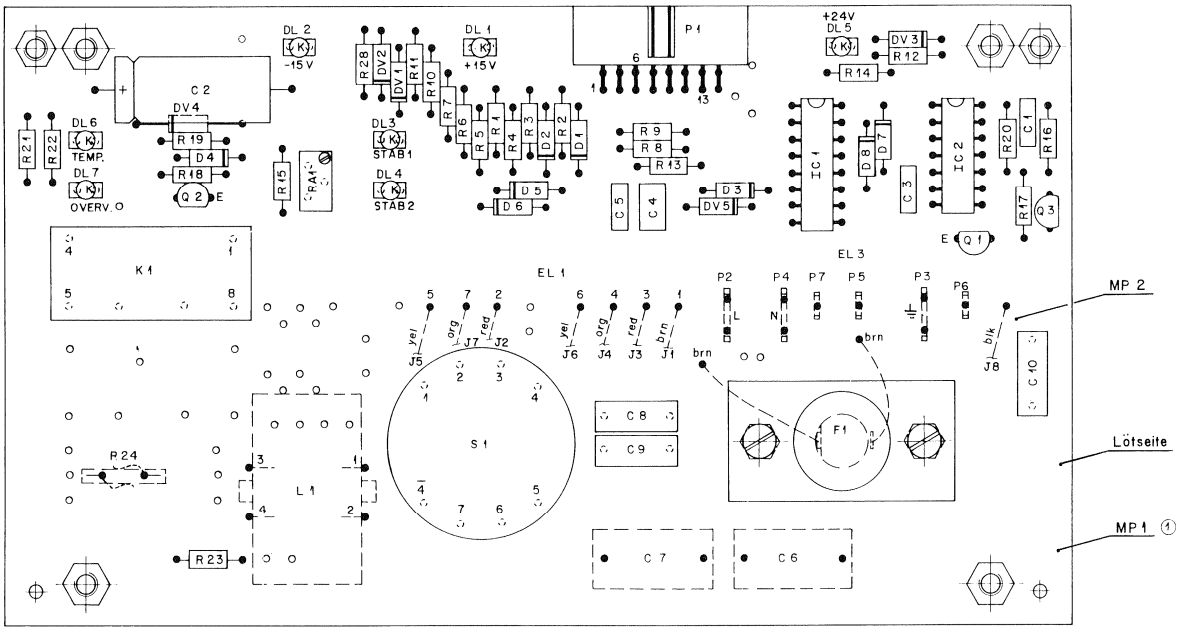
MAINS SELECTOR BOARD

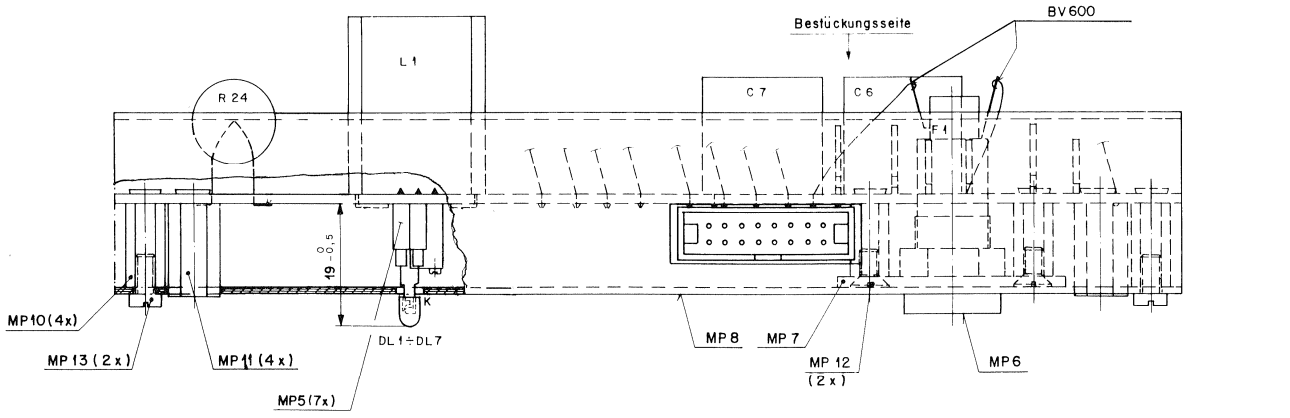
1.918.085.00



0 10.8.90	1 12.11.90 ak	. .	. .	. .
	Power Supply 1.918.420 and up			PAGE 1 OF 1
STUDER	Mains Selector Board			SC 1918.085.00

MAINS SELECTOR BOARD 1.918.085.00





Änderung					
					③
					②
	23.4.91			W	①
Ausgabe	15.5.90			W	⓪
	Datum	Gez	Gepr	Ges	Index

Kopie für:

Benennung	Nummer
MAINS SELECTOR BOARD ESE	1.918.085-00

MAINS SELECTOR BOARD

1.918.085.00

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C.....1	59.06.0104	100 nF PE	
	C.....2	59.25.1102	1000 uF 6,3V EL	
	C.....3	59.06.0103	10 nF PE	
	C.....4	59.06.0474	470 nF PE	
	C.....5	59.06.0104	100 nF PE	
	C.....6	59.14.3104	0,1uF 300VAC +/-20% X-2	Sie
	C.....7	59.14.3104	0,1uF 300VAC +/-20% X-2	Sie
	C.....8	59.14.0472	4,7nF 250VAC IEC 65 Y	Ri
	C.....9	59.14.0472	4,7nF 250VAC IEC 65 Y	Ri
	C....10	59.14.0472	4,7nF 250VAC IEC 65 Y	Ri
02	C....11	. . 0	not used 59.22.8470, 47uF, 63V, EL	option
	D.....1	50.04.0125	1N4448	any
02	D.....1	50.04.0127	BAT 85 Schottky	any
	D.....2	50.04.0125	1N4448	any
	D.....3	50.04.0125	1N4448	any
	D.....4	50.04.0125	1N4448	any
	D.....5	50.04.0125	1N4448	any
	D.....6	50.04.0125	1N4448	any
	D.....7	50.04.0125	1N4448	any
	D.....8	50.04.0125	1N4448	any
02	D.....9	. . 0	not used 50.04.0125, 1N4448	option
02	D....10	. . 0	not used 50.04.0125, 1N4448	option
02	D....11	. . 0	not used 50.04.0125, 1N4448	option
02	D....12	. . 0	not used 50.04.0125, 1N4448	option
	DL....1	50.04.2130	LY3360 LED 3.18mm gb	Sie
	DL....2	50.04.2130	LY3360 LED 3.18mm gb	Sie
	DL....3	50.04.2130	LY3360 LED 3.18mm gb	Sie
	DL....4	50.04.2130	LY3360 LED 3.18mm gb	Sie
	DL....5	50.04.2130	LY3360 LED 3.18mm gb	Sie
	DL....6	50.04.2129	LS3360 LED 3.18mm rt	Sie
	DL....7	50.04.2129	LS3360 LED 3.18mm rt	Sie
	DV....1	50.04.1121	Z24 V 500 mW	any
	DV....2	50.04.1121	Z24 V 500 mW	any
	DV....3	50.04.1109	Z20 V 500 mW	any
	DV....4	50.04.1112	Z 5.1V 500 mW	any
	DV....5	50.04.1112	Z 5.1V 500 mW	any
01	DV....5	50.04.1103	Z 7.5V 500 mW	any
	F.....1	51.01.0122	3.15 AT Slow blow	
	IC....1	50.07.0049	4049 CMOS hex inverting buffer	Ph
	IC....2	50.07.0081	4081 CMOS Quad 2-Input AND Gate	Ph
	K.....1	56.04.0181	6V Power Supply Relais	SDS
02	K.....1	56.04.0181	5V Power Supply Relais	SDS
02	K.....2	. . 0	not used 56.04.0181, SDS-Relais 24V, ST2-24V	option
	L.....1	62.03.0105	1.8mH I=5A	TOK
	MP....1	1.918.085.11	1 pcs Print	St
	MP....2	1.918.085.93	1 pcs Litzenliste	St
	MP....3	43.01.0108	1 pcs ESE Warnschild	
02	MP....4	. . 0	not used	
02	MP....5	53.03.0240	7 pcs Led sockel	
02	MP....6	53.03.0106	1 pcs Sicherungshalter	
02	MP....7	1.918.085.01	1 pcs Sichererungshalteblech	St
02	MP....8	1.918.085.02	1 pcs Isolierabdeckung	St
02	MP....9	1.918.085.04	1 pcs Nr. Etikette	St
02	MP...10	1.010.058.22	4 pcs Nietmutter M3*13mm	St
02	MP...11	1.010.046.22	4 pcs Nietmutter M3*14.5mm	St
02	MP...12	21.01.2354	2 pcs S-Schraube M3*6mm	
02	MP...13	21.99.0117	2 pcs Z-Schraube M3*6mm Nylon	
	P.....1	54.14.2072	16 pin PCB connector side entry male	
	P.....2	54.02.0335	6.3mm Flat Pin Connector	
	P.....3	54.02.0335	6.3mm Flat Pin Connector	
	P.....4	54.02.0335	6.3mm Flat Pin Connector	
	P.....5	54.02.0320	2.8mm Flat Pin Connector	
	P.....6	54.02.0320	2.8mm Flat Pin Connector	
	P.....7	54.02.0320	2.8mm Flat Pin Connector	
	Q.....1	50.03.0436	BC 547B NPN	any
	Q.....2	50.03.0340	BC 337 NPN	any
01	Q.....3	50.03.0436	BC 547B NPN	any
	R.....1	57.11.3392	3.9kOhm	
	R.....2	57.11.3151	150 Ohm	
	R.....3	57.11.3151	150 Ohm	
	R.....4	57.11.3151	150 Ohm	
	R.....5	57.11.3562	5.6kOhm	
	R.....6	57.11.3103	10 kOhm	
	R.....7	57.11.3103	10 kOhm	
	R.....8	57.11.3105	1 MOhm	
01	R.....8	57.11.5106	10 MOhm	
	R.....9	57.11.3105	1 MOhm	
01	R.....9	57.11.5106	10 MOhm	
	R....10	57.11.3152	1.5kOhm	
	R....11	57.11.3152	1.5kOhm	
	R....12	57.11.3152	1.5kOhm	
	R....13	57.11.3152	1.5kOhm	
	R....14	57.11.3103	10 kOhm	
	R....15	57.11.3222	2.2kOhm	
	R....16	57.11.3103	10 kOhm	
	R....17	57.11.3104	100 kOhm	
	R....18	57.11.3103	10 kOhm	
	R....19	57.11.3103	10 kOhm	
	R....20	57.11.3104	100 kOhm	
	R....21	57.11.3102	1 kOhm	
	R....22	57.11.3102	1 kOhm	
	R....23	57.11.3105	1 MOhm	

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	R....24	57.93.1229	2.2 Ohm NTC	
02	R....25	. . 0	not used 57.56.5479, 4.7 Ohm, 4 Watt,	option
02	R....26	. . 0	not used 57.56.5479, 4.7 Ohm, 4 Watt,	option
02	R....27	. . 0	not used 57.11.3221, 220 Ohm	option
01	R....28	57.11.3182	1.8kOhm	
	RA....1	58.05.1202	2 kOhm Trim. pot. lin.	
	S.....1	53.03.0134	100-240V Voltage selector	

EL=Electrolytic, PE=Polyester

(01) 90/08/13 Power-up modification
(02) 90/11/12 K1:5V-Type, D1:Schottky, Option-description, MP-Numbers

MANUFACTURER: PH=Philips, Ri=Rifa, SDS=Sauer Relais, Sie=Siemens, St=S
TOK=Tokin

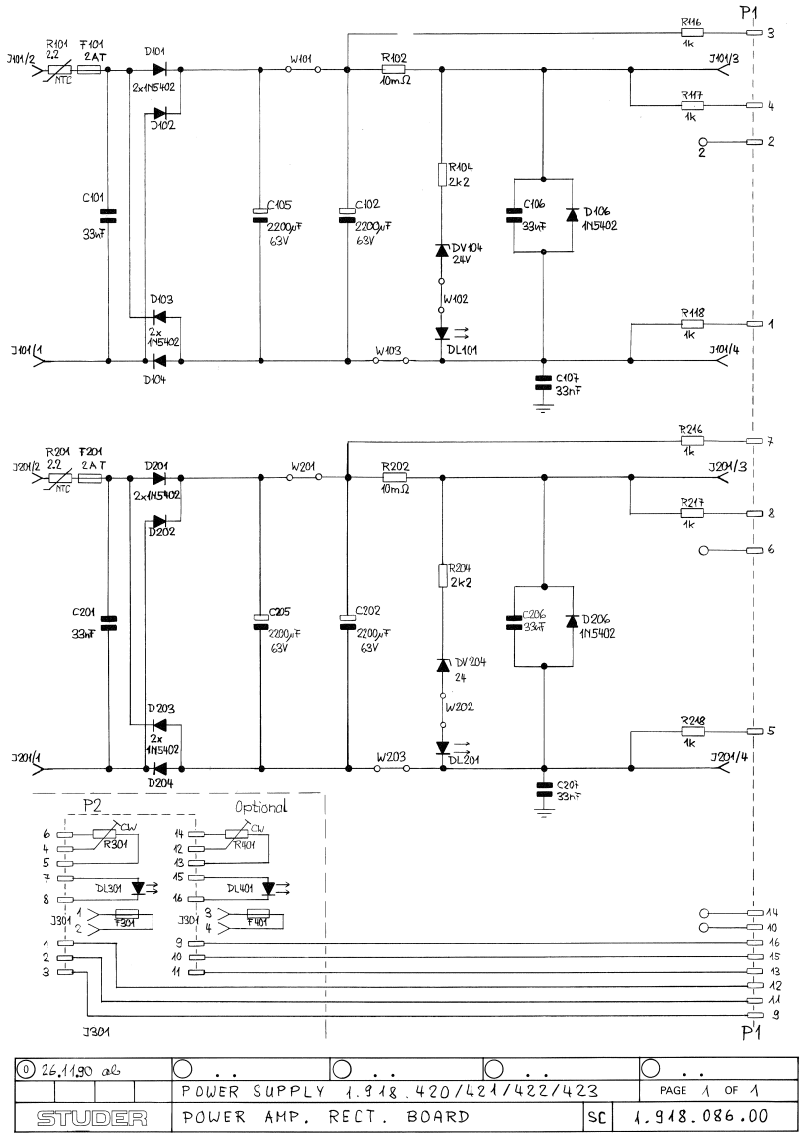
1.918.085.00 MAINS SELECTOR BOARD PF 90/03/2100

1.918.085.00 MAINS SELECTOR BOARD STW90/08/1301

1.918.085.00 MAINS SELECTOR BOARD AB 90/11/1202

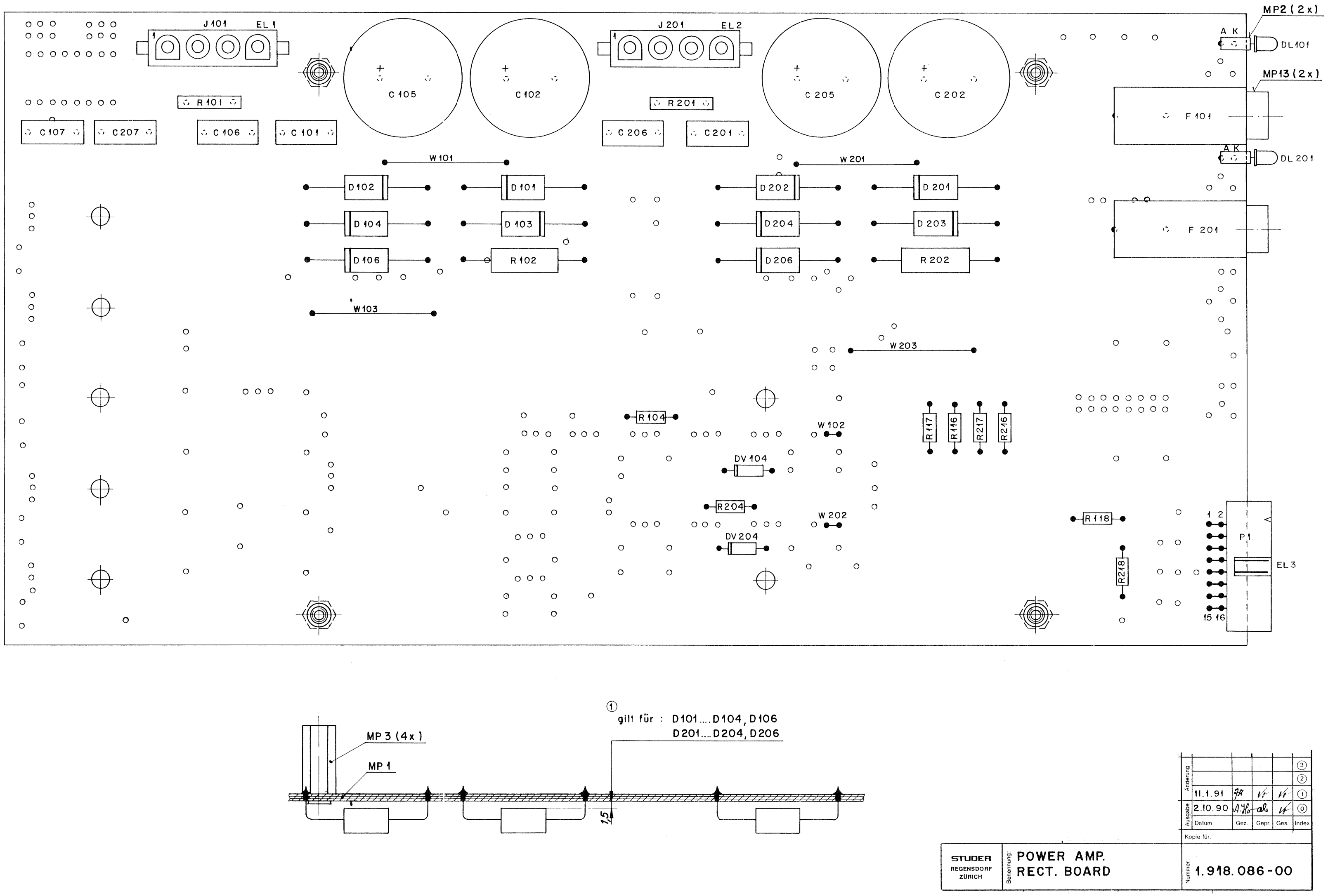
END

POWER AMP. RECT. BOARD 1.918.086.00



0 26.11.90 ab	. .	. .	. .	. .
	POWER SUPPLY 1.918.420/421/422/423			PAGE 1 OF 1
STUDER	POWER AMP. RECT. BOARD		SC	1.918.086.00

POWER AMP. RECT. BOARD 1.918.086.00



POWER AMP. RECT. BOARD 1.918.086.00

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C.....1	. . 0	NOT USED	
	C...101	59.31.8333	.033 uF 10%, 400V , PE	
	C...102	59.29.5222	2200 uF 20%, 63 V , EL	
	C...103	. . 0	NOT USED	
	C...104	. . 0	NOT USED	
	C...105	59.29.5222	2200 uF 20%, 63 V , EL	
	C...106	59.31.8333	.033 uF 10%, 400V , PE	
	C...107	59.31.8333	.033 uF 10%, 400V , PE	
	C...201	59.31.8333	.033 uF 10%, 400V , PE	
	C...202	59.29.5222	2200 uF 20%, 63 V , EL	
	C...203	. . 0	NOT USED	
	C...204	. . 0	NOT USED	
	C...205	59.29.5222	2200 uF 20%, 63 V , EL	
	C...206	59.31.8333	.033 uF 10%, 400V , PE	
	C...207	59.31.8333	.033 uF 10%, 400V , PE	
	D...101	50.04.0507	MR 502 1N 5402, 200 V, 3 A	
	D...102	50.04.0507	MR 502 1N 5402, 200 V, 3 A	
	D...103	50.04.0507	MR 502 1N 5402, 200 V, 3 A	
	D...104	50.04.0507	MR 502 1N 5402, 200 V, 3 A	
	D...105	. . 0	NOT USED	
	D...106	50.04.0507	MR 502 1N 5402,	
	D...201	50.04.0507	MR 502 1N 5402,	
	D...202	50.04.0507	MR 502 1N 5402,	
	D...203	50.04.0507	MR 502 1N 5402,	
	D...204	50.04.0507	MR 502 1N 5402,	
	D...205	. . 0	NOT USED	
	D...206	50.04.0507	MR 502 1N 5402,	
	DL..101	50.04.2130	LY 3360 yellow diff.	
	DL..201	50.04.2130	LY 3360 yellow diff.	
	DL..301	. . 0	not used 50.04.2130 , ye diff,	Option 1
	DL..401	. . 0	not used 50.04.2130 , ye diff,	Option 1
	DV..101	. . 0	NOT USED	
	DV..102	. . 0	NOT USED	
	DV..103	. . 0	NOT USED	
	DV..104	50.04.1121	24 V 5%, .40W, Z,	
	DV..201	. . 0	NOT USED	
	DV..202	. . 0	NOT USED	
	DV..203	. . 0	NOT USED	
	DV..204	50.04.1121	24 V 5%, .40W, Z,	
	F.....0	. .	Fuseholder see MP 13	
	F...101	51.01.0120	T2.0A/ 250V, 5 * 20	
	F...201	51.01.0120	T2.0A/ 250V, 5 * 20	
	F...301	. . 0	not used Fuse, 5 * 20,	Option 1
	F...401	. . 0	not used Fuse, 5 * 20,	Option 1
	J...101	54.25.0004	Power-Conn., 4 POL 16 A	AMP
	J...201	54.25.0004	Power-Conn., 4 POL 16 A	AMP
	J...301	. . 0	not used 54.25.0004 , 4 pol 16A,	Option 1
	MP....1	1.918.086.11	Power Amp.Rect. PCB	St
	MP....2	1.010.012.50	2 pcs Diodenhalter	
	MP....3	1.010.046.22	4 pcs Nietmutter, M 3 * 14.5	
	MP....4	. . 0	NOT USED	
	MP....5	. . 0	NOT USED	
	MP....6	. . 0	NOT USED	
	MP....7	. . 0	NOT USED	
	MP....8	. . 0	NOT USED	
	MP....9	. . 0	NOT USED	
	MP...10	. . 0	NOT USED	
	MP...11	. . 0	NOT USED	
	MP...12	. . 0	NOT USED	
	MP...13	53.03.0145	2 pcs Sicherungshalter liegend 5*20	
	MP...14	. . 0	NOT USED	
	MP...15	. . 0	NOT USED	
	MP...16	. . 0	NOT USED	
	MP...17	1.918.086.04	Nr.-Etikette 5 * 20	
	MP...18	. . 0	NOT USED	
	P.....1	54.14.2072	16 pin Plug, SN, (Winkel), Diagnostic	
	P.....2	. . 0	not used 54.14.2002, 16 P,	Option 1
	R...101	57.93.1229	2.2 Ohm NTC, Surge-suppressor	
	R...102	57.56.2010	10 mOhm 5%, 3 W	
	R...103	. . 0	NOT USED	
	R...104	57.11.3222	2.2 kOhm 10%, .5 W	
	R...105	. . 0	NOT USED	
	R...106	. . 0	NOT USED	
	R...107	. . 0	NOT USED	
	R...108	. . 0	NOT USED	
	R...109	. . 0	NOT USED	
	R...110	. . 0	NOT USED	
	R...111	. . 0	NOT USED	
	R...112	. . 0	NOT USED	
	R...113	. . 0	NOT USED	
	R...114	. . 0	NOT USED	
	R...115	. . 0	NOT USED	
	R...116	57.11.3102	1 kOhm 10%, .5 W	
	R...117	57.11.3102	1 kOhm 10%, .5 W	
	R...118	57.11.3102	1 kOhm 10%, .5 W	
	R...201	57.93.1229	2.2 Ohm NTC, Surge-suppressor	
	R...202	57.56.2010	10 mOhm 5%, 3 W	
	R...203	. . 0	NOT USED	
	R...204	57.11.3222	2.2 kOhm 10%, .5 W	
	R...205	. . 0	NOT USED	
	R...206	. . 0	NOT USED	
	R...207	. . 0	NOT USED	
	R...208	. . 0	NOT USED	
	R...209	. . 0	NOT USED	
	R...210	. . 0	NOT USED	
	R...211	. . 0	NOT USED	
	R...212	. . 0	NOT USED	
	R...213	. . 0	NOT USED	
	R...214	. . 0	NOT USED	
	R...215	. . 0	NOT USED	
	R...216	57.11.3102	1 kOhm 10%, .5 W	
	R...217	57.11.3102	1 kOhm 10%, .5 W	
	R...218	57.11.3102	1 kOhm 10%, .5 W	
	R...301	. . 0	not used 58.05.0502, 5 kOhm 10%, .5 W,	Option 1
	R...401	. . 0	not used 58.05.0502, 5 kOhm 10%, .5 W,	Option 1
	W...101	57.11.3000	0 Ohm Wiring bridge	
	W...102	1.010.329.64	2.5mm Wiring bridge	
	W...103	57.11.3000	0 Ohm Wiring bridge	
	W...201	57.11.3000	0 Ohm Wiring bridge	
	W...202	1.010.329.64	2.5mm Wiring bridge	
	W...203	57.11.3000	0 Ohm Wiring bridge	

Pos # 1...99 : Global
101..199 : for U 1
201..299 : for U 2
301..499 : for U 3, U 4 (Option 1)

NOT USED : This part is used in 1.918.087

CE=Ceramic, CF=Carbon Film, EL=Electrolytic, MF=Metal Film,
PE=Polyester, PP=Polypropylen, PS=Polystyrol

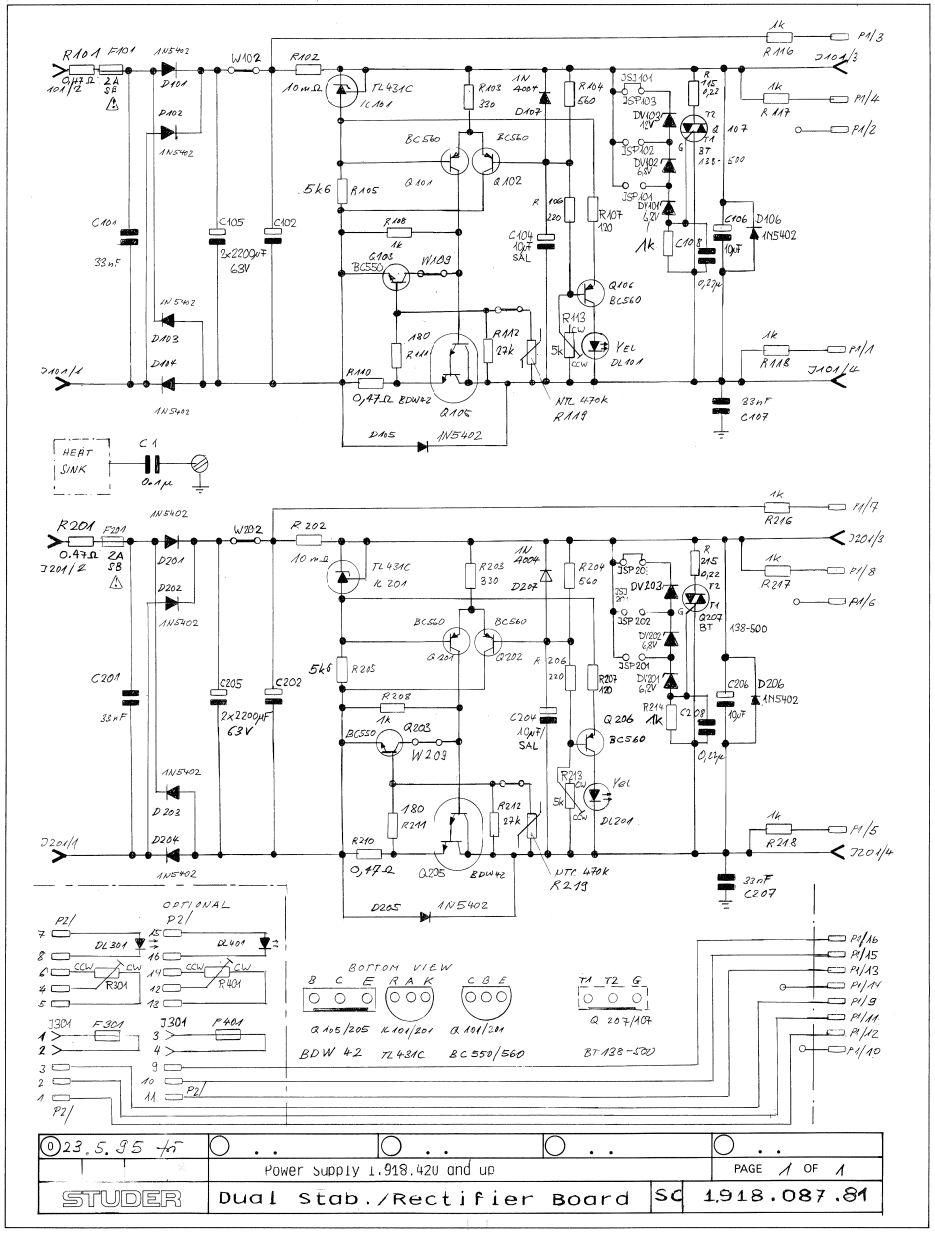
MANUFACTURER:
****

St=Studer

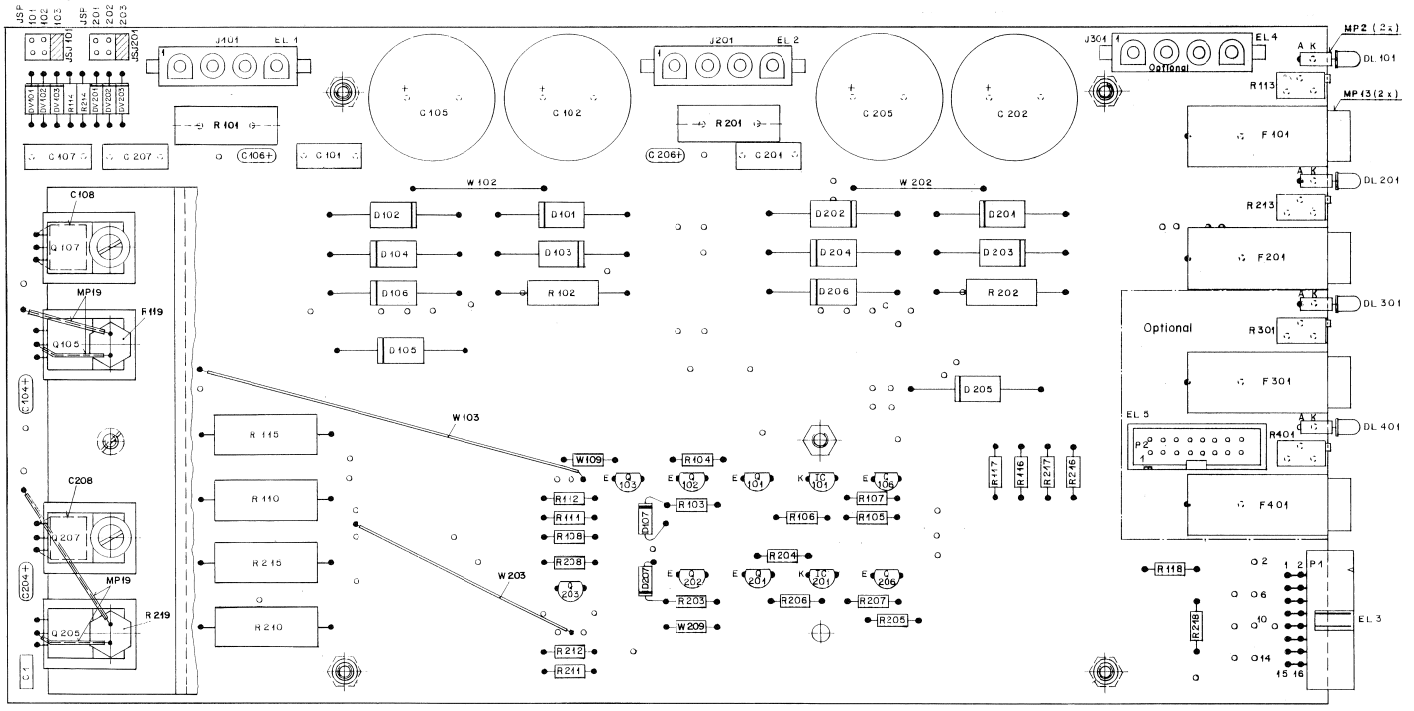
1.918.086.00 POWER AMP. RECT. BOARD AB 90/11/2200

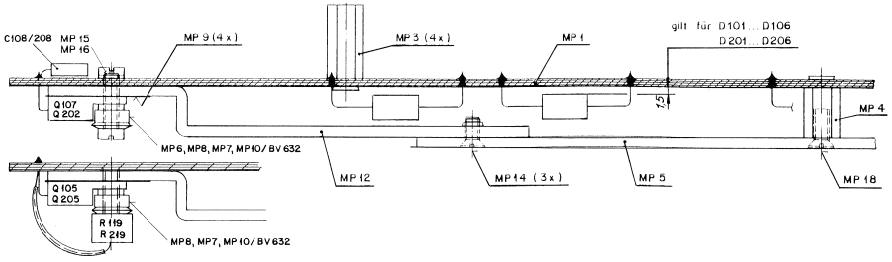
END

+/- DUAL STABILIZER RECTIIFIER BOARD 1.918.087.81



+/- DUAL STABILIZER RECTIIFIER BOARD 1.918.087.81





Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C.....1	59.06.0104	0.1 uF 10%, 63V, PE	
	C...101	59.31.8333	.033 uF 10%, 400V, PE	
	C...102	59.29.5222	2200 uF 20%, 63 V, EL	
	C...104	59.26.5100	10 uF 20%, 25V, SAL	
	C...105	59.29.5222	2200 uF 20%, 63 V, EL	
	C...106	59.26.5100	10 uF 20%, 25V, SAL	
	C...107	59.31.8333	.033 uF 10%, 400V, PE	
	C...108	59.06.0224	.22 uF 10% 63V, PE	
	C...201	59.31.8333	.033 uF 10%, 400V, PE	
	C...202	59.29.5222	2200 uF 20%, 63 V, EL	
	C...204	59.26.5100	10 uF 20%, 25V, SAL	
	C...205	59.29.5222	2200 uF 20%, 63 V, EL	
	C...206	59.26.5100	10 uF 20%, 25V, SAL	
	C...207	59.31.8333	.033 uF 10%, 400V, PE	
	C...208	59.06.0224	.22 uF 10%, 63V, PE	
	D...101	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...102	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...103	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...104	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...105	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...106	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...107	50.04.0105	1N 4004, 400V, 1A	
	D...201	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...202	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...203	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...204	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...205	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...206	50.04.0507	MR 502 1N 5402, 200V, 3A	
	D...207	50.04.0105	1N 4004, 400V, 1A	
	DL..101	50.04.2130	LY 3360 yellow diff.	
	DL..201	50.04.2130	LY 3360 yellow diff.	
	DL..301	. . 0	not used 50.04.2130 , ye diff,	Option 1
	DL..401	. . 0	not used 50.04.2130 , ye diff,	Option 1
	DV..101	50.04.1118	6.2 V 5%, .40W, Z,	
	DV..102	50.04.1102	6.8 V 5%, .40W, Z,	
	DV..103	50.04.1117	12 V 5%, .40W, Z,	
	DV..201	50.04.1118	6.2 V 5%, .40W, Z,	
	DV..202	50.04.1102	6.8 V 5%, .40W, Z,	
	DV..203	50.04.1117	12 V 5%, .40W, Z,	
	F		Fuseholder see MP 13	
	F...101	51.01.0120	T2.0A/ 250V, 5 * 20	
	F...201	51.01.0120	T2.0A/ 250V, 5 * 20	
	F...301	. . 0	not used Fuse, 5 * 20,	Option 1
	F...401	. . 0	not used Fuse, 5 * 20,	Option 1
	IC..101	50.10.0106	TL 431 CLP,	
	IC..201	50.10.0106	TL 431 CLP,	
	J...101	54.25.0004	Power-Conn., 4 POL 16 A	AMP
	J...201	54.25.0004	Power-Conn., 4 POL 16 A	AMP
	J...301	. . 0	not used 54.25.0004, 4 POL 16 A,	Option 1
	JSJ.101	54.01.0021	Jumper female	
	JSJ.201	54.01.0021	Jumper female	
	JSP		see MP 11	
	MP....1	1.918.086.11	Power Amp.Rect. PCB	St
	MP....2	1.010.012.50	2 pcs Diodenhalter	
	MP....3	1.010.046.22	4 pcs Nietmutter, M 3 * 14.5	
	MP....4	1.010.049.22	Nietmutter, M 3 * 10.0	
	MP....5	1.915.106.04	Kuehlblech	
	MP....6	21.01.0355	2 pcs Z - Schr. , ZN , M 3 * 8	
	MP....7	1.010.098.27	4 pcs Distanzhuelse D3.1/7.0* 2.3	
	MP....8	37.01.0101	8 pcs Tellerfeder D3.2/8 * 0.3	
	MP....9	50.20.0305	4 pcs TO 220 Glimmerscheibe gefettet	
	MP...10	50.20.0404	4 pcs Isolierdurchfuehrung, D 6.0/3.5	
	MP...11	54.11.0136	2 pcs 2*3 Pin, RM2.54, Crowbar Voltage	
	MP...12	1.918.086.01	Kuehlwinkel	
	MP...13	53.03.0145	2 pcs Sicherungshalter liegend 5*20	
	MP...14	21.01.2354	3 pcs S - Schr. , ZN , M 3 * 6	
	MP...15	21.01.0354	Z - Schr. , M 3 * 6	
	MP...16	21.01.1032	U-Scheibe ,D 3.2/ 6*0.5	
	MP...17	1.918.087.04	Nr.-Etikette 5 * 20	
	MP...18	21.01.2355	S - Schr. , ZN , M 3 * 8	
	P.....1	54.14.2072	16 pin Plug, SN, (Winkel), Diagnostic	
	P.....2	. . 0	not used 54.14.2002, 16 P,	Option 1
	Q...101	50.03.0515	BC 307 BC 557 B ,PNP hfe>180	
	Q...102	50.03.0515	BC 307 BC 557 B ,PNP hfe>180	
	Q...103	50.03.0436	BC 237 B ,C, BC 547 B,NPN, hfe>180	
	Q...105	50.03.0777	BDW 42 BDX 33C, BDW 93C, Darlington Ic min. 5 A	
	Q...106	50.03.0515	BC 307 BC 557 B ,PNP hfe>180	
	Q...107	50.99.0106	BT 138 - 500 TRIAC	

Aenderung	Datum	Gez.	Gepr.	Ges.	Index
	23.5.95				

Kopie für:

STUDER REGENSDORF ZÜRICH

Benennung: +/-DUAL STAB, RECT. BOARD

Nummer: 1.918.087-81

+/- DUAL STABILIZER RECTIIFIER BOARD 1.918.087.81

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	Q...201	50.03.0515	BC 307	BC 557 B ,PNP hfe>180
	Q...202	50.03.0515	BC 307	BC 557 B ,PNP hfe>180
	Q...203	50.03.0436	BC 237 B	..C, BC 547 B,NPN, hfe>180
	Q...205	50.03.0777	BDW 42	BDX 33C, BDW 93C, Darlington
	Q...206	50.03.0515	BC 307	BC 557 B ,PNP hfe>180
	Q...207	50.99.0106		BT 138 - 500 TRIAC
	R...101	57.56.5478	0,47 Ohm	10% 4 W, WW
	R...102	57.56.2010	10 mOhm	5%, 3 W
	R...103	57.11.3331	330 Ohm	10%, .5 W
	R...104	57.11.3561	560 Ohm	10%, .5 W
	R...105	57.11.3562	5.6 kOhm	10% .5 W
	R...106	57.11.3221	220 Ohm	10%, .5 W
	R...107	57.11.3121	120 Ohm	10%, .5 W
	R...108	57.11.3102	1 kOhm	10%, .5 W
	R...110	57.56.5478	.47 Ohm	10%, 4 W, WW
	R...111	57.11.3181	180 Ohm	10%, .5 W
	R...112	57.11.3273	27 kOhm	10%, .5 W
	R...113	58.05.0502	5 kOhm	10%, .5 W 22 turn, Trim U 1
	R...114	57.11.3102	1 kOhm	10%, .5 W
	R...115	57.56.5228	.22 Ohm	10%, 4 W, WW
	R...116	57.11.3102	1 kOhm	10%, .5 W
	R...117	57.11.3102	1 kOhm	10%, .5 W
	R...118	57.11.3102	1 kOhm	10%, .5 W
	R...119	57.99.0803	470 kOhm	NTC Siemens
	R...201	57.56.5478	0,47 Ohm	10%, 4 W, WW
	R...202	57.56.2010	10 mOhm	5%, 3 W
	R...203	57.11.3331	330 Ohm	10%, .5 W
	R...204	57.11.3561	560 Ohm	10%, .5 W
	R...205	57.11.3562	5.6 kOhm	10%, .5 W
	R...206	57.11.3221	220 Ohm	10%, .5 W
	R...207	57.11.3121	120 Ohm	10%, .5 W
	R...208	57.11.3102	1 kOhm	10%, .5 W
	R...210	57.56.5478	0,47 Ohm	10%, 4 W, WW
	R...211	57.11.3181	180 Ohm	10%, .5 W
	R...212	57.11.3273	27 kOhm	10%, .5 W
	R...213	58.05.0502	5 kOhm	10%, .5 W 22 turn, Trim U 2
	R...214	57.11.3102	1 kOhm	10%, .5 W
	R...215	57.56.5228	.22 Ohm	10%, 4 W, WW
	R...216	57.11.3102	1 kOhm	10%, .5 W
	R...217	57.11.3102	1 kOhm	10%, .5 W
	R...218	57.11.3102	1 kOhm	10%, .5 W
	R...219	57.99.0803	470 kOhm	NTC Siemens
	R...301	. . 0	not used	58.05.0502, 5 kOhm 10%, .5 W, Option 1
	R...401	. . 0	not used	58.05.0502, 5 kOhm 10%, .5 W, Option 1
	W...102	64.01.0108	0,8 mm	wiring bridge
	W...109	57.11.3000	0 Ohm	wiring bridge
	W...202	64.01.0108	0,8 mm	wiring bridge
	W...209	57.11.3000	Ohm	wiring bridge

Pos # 1...99 : Global
101..199 : for U 1
201..299 : for U 2
301..499 : for U 3, U 4 (Option 1)

-81 no auto switch off
thermal fold back
both stabilizer max. input voltage 45 V
current ~ 1 ampere

Option 2
max. 2 ampere current for 5V or 6V DC output:
R 0,47 Ohm in parallel to R110 or R210 on solder side.
R 10 kOhm in parallel to R112 or R212 on solder side.
F 101 or F201 3.15 A SB

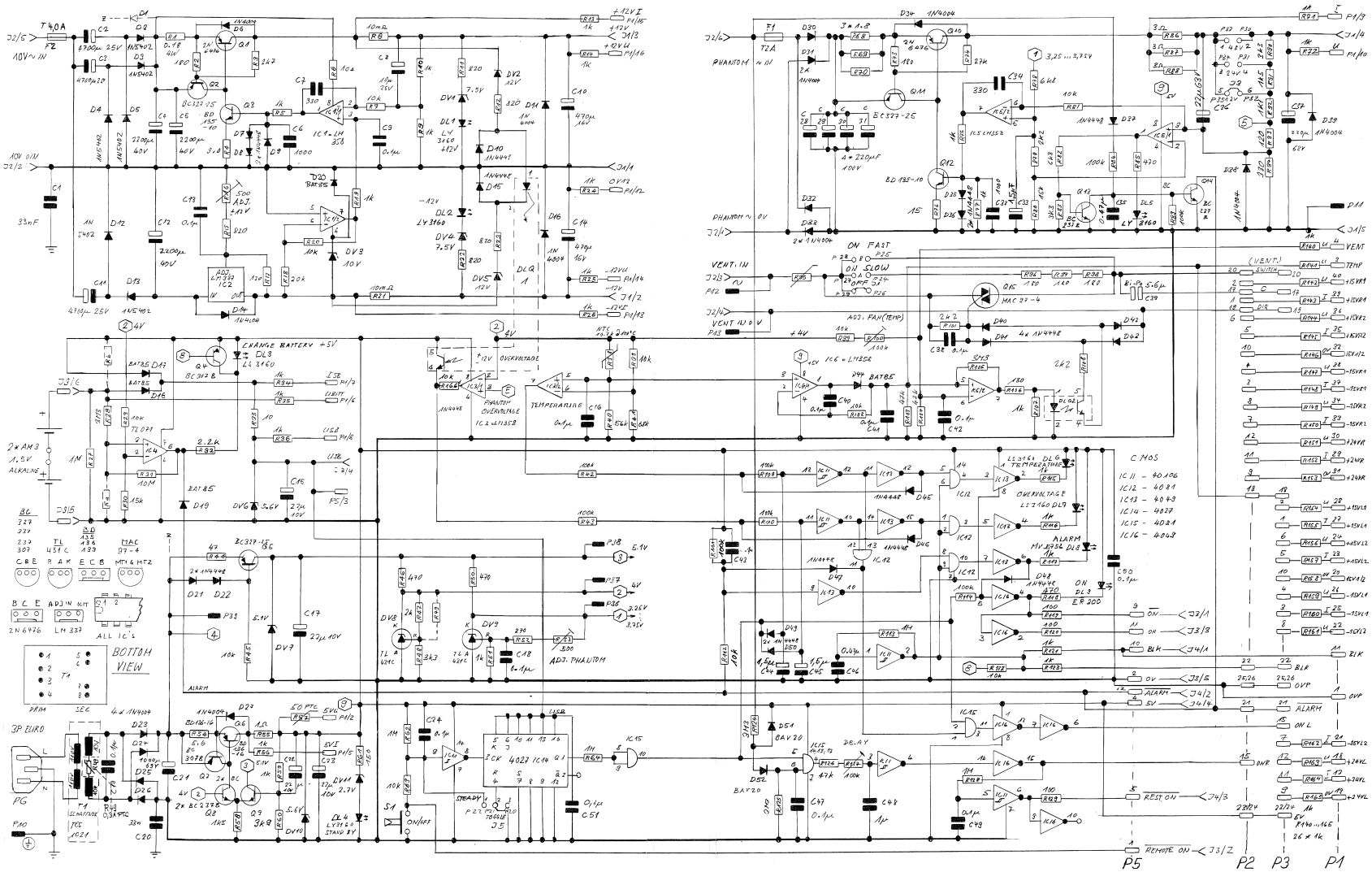
CE=Ceramic, CF=Carbon Film, EL=Electrolytic, MF=Metal Film,
PE=Polyester, PP=Polypropylen, SAL=Solid Aluminium Lacquered
PS=Polystyrol

MANUFACTURER: St=Studer

1.918.087.81 +/- DUAL STAB. RECT. BOARD FRI95/05/2300

PHANTOM S.B. ±12V BOARD

1.918.088.00

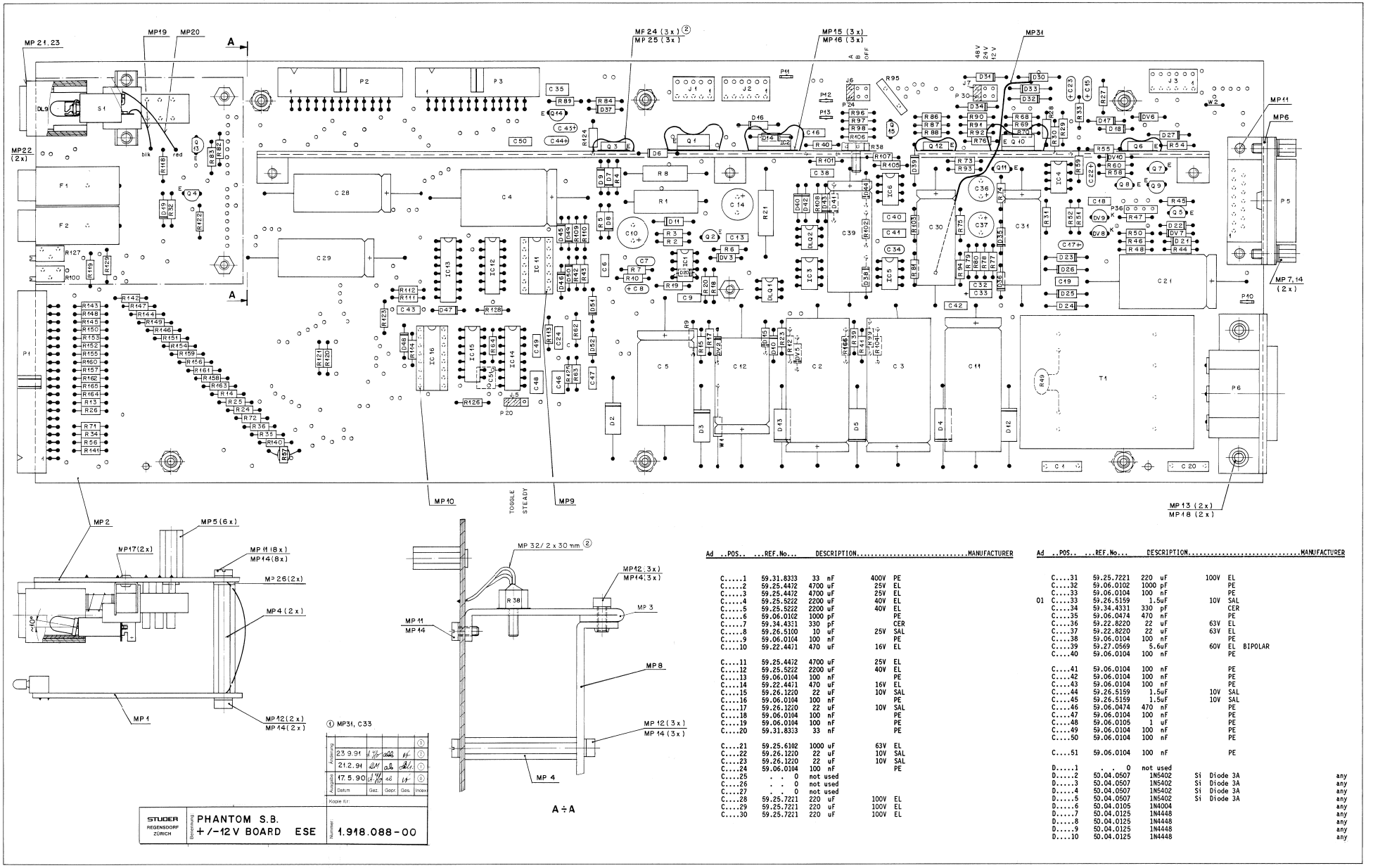


0 26.10.90	1 21.02.91 ab	. .	. .	. .
STUDER	Power Supply 1.918.420 and up		PAGE 1 OF 2	
	Phantom, S.B.,+/- 12V Board		SC 1918.088.00	

0 26.10.90	1 21.02.91 ab	. .	. .	. .
STUDER	Power Supply 1.918.420 and up		PAGE 2 OF 2	
	Phantom. S.B.,+/- 12V Board		SC 1918.088.00	

PHANTOM S.B. ±12V BOARD

1.918.088.00



Ad	..POS..	...REF.No...	DESCRIPTION			MANUFACTURER
	C.....1	59.31.8333	33	nF	400V	PE
	C.....2	59.25.4472	4700	uF	25V	EL
	C.....3	59.25.4472	4700	uF	25V	EL
	C.....4	59.25.5222	2200	uF	40V	EL
	C.....5	59.25.5222	2200	uF	40V	EL
	C.....6	59.06.0102	1000	pF		PE
	C.....7	59.34.4331	330	pF		CER
	C.....8	59.26.5100	10	uF	25V	SAL
	C.....9	59.06.0104	100	nF		PE
	C....10	59.22.4471	470	uF	16V	EL
	C....11	59.25.4472	4700	uF	25V	EL
	C....12	59.25.5222	2200	uF	40V	EL
	C....13	59.06.0104	100	nF		PE
	C....14	59.22.4471	470	uF	16V	EL
	C....15	59.26.1220	22	uF	10V	SAL
	C....16	59.06.0104	100	nF		PE
	C....17	59.26.1220	22	uF	10V	SAL
	C....18	59.06.0104	100	nF		PE
	C....19	59.06.0104	100	nF		PE
	C....20	59.31.8333	33	nF		PE
	C....21	59.25.6102	1000	uF	63V	EL
	C....22	59.26.1220	22	uF	10V	SAL
	C....23	59.26.1220	22	uF	10V	SAL
	C....24	59.06.0104	100	nF		PE
	C....25	. . . 0	not used			
	C....26	. . . 0	not used			
	C....27	. . . 0	not used			
	C....28	59.25.7221	220	uF	100V	EL
	C....29	59.25.7221	220	uF	100V	EL
	C....30	59.25.7221	220	uF	100V	EL

Ad	..POS..	...REF.No...	DESCRIPTION			MANUFACTURER
	C....31	59.25.7221	220	uF	100V	EL
	C....32	59.06.0102	1000	pF		PE
	C....33	59.06.0104	100	nF		PE
01	C....33	59.26.5159	1.5	uF	10V	SAL
	C....34	59.34.4331	330	pF		CER
	C....35	59.06.0474	470	nF		PE
	C....36	59.22.8220	22	uF	63V	EL
	C....37	59.22.8220	22	uF	63V	EL
	C....38	59.06.0104	100	nF		PE
	C....39	59.27.0569	5.6	uF	60V	EL BIPOLAR
	C....40	59.06.0104	100	nF		PE
	C....41	59.06.0104	100	nF		PE
	C....42	59.06.0104	100	nF		PE
	C....43	59.06.0104	100	nF		PE
	C....44	59.26.5159	1.5	uF	10V	SAL
	C....45	59.26.5159	1.5	uF	10V	SAL
	C....46	59.06.0474	470	nF		PE
	C....47	59.06.0104	100	nF		PE
	C....48	59.06.0105	1	uF		PE
	C....49	59.06.0104	100	nF		PE
	C....50	59.06.0104	100	nF		PE
	C....51	59.06.0104	100	nF		PE
	D.....1	. . . 0	not used			
	D.....2	50.04.0507	1N5402		Si	Diode 3A any
	D.....3	50.04.0507	1N5402		Si	Diode 3A any
	D.....4	50.04.0507	1N5402		Si	Diode 3A any
	D.....5	50.04.0507	1N5402		Si	Diode 3A any
	D.....6	50.04.0105	1N4004			any
	D.....7	50.04.0125	1N4448			any
	D.....8	50.04.0125	1N4448			any
	D.....9	50.04.0125	1N4448			any
	D....10	50.04.0125	1N4448			any

PHANTOM S.B. ±12V BOARD

1.918.088.00

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	D....11	50.04.0105	1N4004	any
	D....12	50.04.0507	1N5402 Si Diode 3A	any
	D....13	50.04.0507	1N5402 Si Diode 3A	any
	D....14	50.04.0105	1N4004	any
	D....15	50.04.0125	1N4448	any
	D....16	50.04.0105	1N4004	any
	D....17	50.04.0127	BAT 85 U=30V I=0.2A	any
	D....18	50.04.0127	BAT 85 U=30V I=0.2A	any
	D....19	50.04.0127	BAT 85 U=30V I=0.2A	any
	D....20	50.04.0127	BAT 85 U=30V I=0.2A	any
	D....21	50.04.0125	1N4448	any
	D....22	50.04.0125	1N4448	any
	D....23	50.04.0105	1N4004	any
	D....24	50.04.0105	1N4004	any
	D....25	50.04.0105	1N4004	any
	D....26	50.04.0105	1N4004	any
	D....27	50.04.0105	1N4004	any
	D....28	. . 0	not used	
	D....29	. . 0	not used	
	D....30	50.04.0105	1N4004	any
	D....31	50.04.0105	1N4004	any
	D....32	50.04.0105	1N4004	any
	D....33	50.04.0105	1N4004	any
	D....34	50.04.0105	1N4004	any
	D....35	50.04.0125	1N4448	any
	D....36	50.04.0125	1N4448	any
	D....37	50.04.0125	1N4448	any
	D....38	50.04.0105	1N4004	any
	D....39	50.04.0105	1N4004	any
	D....40	50.04.0125	1N4448	any
	D....41	50.04.0125	1N4448	any
	D....42	50.04.0125	1N4448	any
	D....43	50.04.0125	1N4448	any
	D....44	50.04.0127	BAT 85 U=30V I=0.2A	any
	D....45	50.04.0125	1N4448	any
	D....46	50.04.0125	1N4448	any
	D....47	50.04.0125	1N4448	any
	D....48	50.04.0125	1N4448	any
	D....49	50.04.0125	1N4448	any
	D....50	50.04.0125	1N4448	any
	D....51	50.04.0133	BAV 20 150V	any
	D....52	50.04.0133	BAV 20 150V	any
	DL....1	. .	LY3360 LED 3.18mm gb *LED PCB*	
	DL....2	. .	LY3360 LED 3.18mm gb *LED PCB*	
	DL....3	. .	LS3360 LED 3.18mm rt *LED PCB*	
	DL....4	. .	LY3360 LED 3.18mm gb *LED PCB*	
	DL....5	. .	LY3360 LED 3.18mm gb *LED PCB*	
	DL....6	. .	LS3360 LED 3.18mm rt *LED PCB*	
	DL....7	. .	LS3360 LED 3.18mm rt *LED PCB*	
	DL....8	. .	MV5753 rt/dif 5.6mm *LED PCB*	
	DL....9	50.04.2155	ER 300 rt/clear 5.6mm (SCHALTER)	Sty
	DLQ...1	50.04.3200	CNY 17-2 DIL6	Sie
	DLQ...2	50.04.3200	CNY 17-2 DIL6	Sie
	DV....1	. .	Z 7.5V 500 mW *LED PCB*	
	DV....2	50.04.1117	Z12 V 500 mW	any
	DV....3	50.04.1114	Z10 V 500 mW	any
	DV....4	. .	Z 7.5V 500 mW *LED PCB*	
	DV....5	50.04.1117	Z12 V 500 mW	any
	DV....6	50.04.1108	Z 5.6V 500 mW	any
	DV....7	50.04.1112	Z 5.1V 500 mW	any
	DV....8	50.10.0106	TL 431CLP Shunt-Regulator	TI
	DV....9	50.10.0106	TL 431CLP Shunt-Regulator	TI
	DV....10	50.04.1108	Z 5.6V 500 mW	any
	DV...11	. .	Z 2.7V 500 mW *LED PCB*	
	F.....1	51.01.0120	2.0 A traege/slow blow	
	F.....2	51.01.0123	4.0 A traege/slow blow	
	IC....1	50.05.0286	LM 358 P dual op.amp.	TI
	IC....2	50.10.0105	LM 337KZ voltage regulator -1.2..37V	NS
	IC....3	50.05.0286	LM 358 P dual op.amp.	TI
	IC....4	50.09.0103	TL 071 single FET-op.amp.	TI
	IC....5	50.05.0286	LM 358 P dual op.amp.	TI
	IC....6	50.05.0286	LM 358 P dual op.amp.	TI
	IC....7	. . 0	not used	
	IC....8	. . 0	not used	
	IC....9	. . 0	not used	
	IC...10	. . 0	not used	
	IC...11	50.07.0014	40106 CMOS Hex inv. Schmitt Trigger	Ph
	IC...12	50.07.0081	4081 CMOS Quad 2-Input AND Gate	Ph
	IC...13	50.07.0049	4049 CMOS hex inverting buffer	Ph
	IC...14	50.07.0027	4027 CMOS Dual JK-flip-flop	Ph
	IC...15	50.07.0081	4081 CMOS Quad 2-Input AND Gate	Ph
	IC...16	50.07.0049	4049 CMOS hex inverting buffer	Ph
	J.....1	54.01.0288	5 Pol Cis	
	J.....2	54.01.0216	6 Pol Cis	
	J.....3	54.01.0216	6 Pol Cis	
	J.....4	. . 0	not used	
	J.....5	54.01.0021	Jumper see also P20, ON-Switch toggle/steady	
	J.....6	54.01.0021	Jumper see also P24, Venti steady/interm./off	
	J.....7	54.01.0021	Jumper see also P30, Phantom 48/24/12V	

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	MP....1	1.918.082.00	1 pcs Led Board	St
	MP....2	1.918.088.11	1 pcs Phantom S.B. +/-12V PCB	St
	MP....3	1.918.088.01	1 pcs Kuehlblech	St
	MP....4	1.010.027.27	3 pcs Mutterbolzen M3*35	St
	MP....5	1.010.046.22	6 pcs Nietmutter M3*14.5	St
	MP....6	1.963.001.22	1 pcs Haltewinkel D 15-Pol	St
	MP....7	1.010.036.54	2 pcs Verriegelungs-Gewindebolzen	St
	MP....8	1.918.088.02	1 pcs Kuehlblecherweiterung	St
	MP....9	53.03.0167	1 pcs IC socket 14 pin	
	MP...10	53.03.0168	1 pcs IC-socket 16 pin	
	MP...11	21.13.0354	8 pcs Z-Schraube M3*6 rostfrei	
	MP...12	21.53.0355	6 pcs Z-Schraube M3*8 IS	
	MP...13	23.01.1032	2 pcs U-Scheibe 3.2/6*0.5	
	MP...14	24.16.1030	16 pcs Rippenscheiben D 3.2/5.5	
	MP...15	50.20.2004	3 pcs Montageclip TO 220	
	MP...16	50.20.0315	3 pcs Glimmer TO 220	
	MP...17	28.21.1350	2 pcs Rohrniete 2,5*4	
	MP...18	28.21.2408	2 pcs Rohrniete 3*6	
	MP...19	1.010.200.64	1 pcs Litze schwarz	
	MP...20	1.010.202.64	1 pcs Litze rot	
	MP...21	55.15.0101	1 pcs Lampenhalter	
	MP...22	53.03.0145	2 pcs Fuseholder	
	MP...23	55.15.0143	1 pcs Tastenknopf	
02	MP...24	50.20.2002	3 pcs Montageclip TO 126	
	MP...25	50.20.0314	3 pcs Glimmer TO 126	
	MP...26	1.010.013.23	2 pcs U-Scheibe St D 3,1/ 6 *1	
	MP...27	43.01.0108	1 pcs ESE-Warnschild	
J2	MP...28	. . 0	not used	
	MP...29	1.918.088.04	1 pcs Nr-Schild	
	MP...30	54.01.0020	7 pcs PCB Connector P20..22, P36..39	
01	MP...31	64.01.0309	90 mm Schaltdraht iso, min D=0.6 mm	
02	MP...32	65.99.0111	2*30 mm PTFE-Schlauch Spez. 0.89 * 0.152mm.	
	P.....1	54.14.2075	2*20 Pol PCB Flat-cabel connector	Ya
	P.....2	54.14.2074	2*13 Pol PCB Flat-cabel connector	Ya
	P.....3	54.14.2074	2*13 Pol PCB Flat-cabel connector	Ya
	P.....4	. . 0	not used	
	P.....5	54.13.0012	15 Pol D-Type	
	P.....6	54.42.0020	3 Pol Mains Connector	
	P.....7	. . 0	not used	
	P.....8	. . 0	not used	
	P.....9	. . 0	not used	
	P....10	54.02.0320	2.8mm Flat Pin Connector	
	P....11	54.02.0320	2.8mm Flat Pin Connector	
	P....12	54.02.0320	2.8mm Flat Pin Connector	
	P....13	54.02.0320	2.8mm Flat Pin Connector	
	P....14	. . 0	not used	
	P....15	. . 0	not used	
	P....16	. . 0	not used	
	P....17	. . 0	not used	
	P....18	. . 0	not used	
	P....19	. . 0	not used	
	P....20	. . 0	3 Pol PCB Connector P20..22, see MP 30	
	P....23	. . 0	not used	
	P....24	54.11.0136	2*3 Pol PCB Connector P24..29	
	P....30	54.11.0136	2*3 Pol PCB Connector P30..35	
	P....36	. . 0	4 Pol PCB Connector P36..39, see MP 30	
	Q.....1	50.03.0345	2N 6476 PNP	RCA
	Q.....2	50.03.0351	BC 327-25 PNP	any
	Q.....3	50.03.0495	BD 135-16 NPN	Ph
	Q.....4	50.03.0515	BC 307B PNP	any
	Q.....5	50.03.0351	BC 327-25 PNP	any
	Q.....6	50.03.0510	BD 136-16 PNP	Ph
	Q.....7	50.03.0515	BC 307B PNP	any
	Q.....8	50.03.0436	BC 237B NPN	any
	Q.....9	50.03.0436	BC 237B NPN	any
	Q....10	50.03.0345	2N 6476 PNP	RCA
	Q....11	50.03.0351	BC 327-25 PNP	any
	Q....12	50.03.0451	BD 139-10 NPN	Ph
	Q....13	50.03.0436	BC 237B NPN	any
	Q....14	50.03.0436	BC 237B NPN	any
	Q....15	50.08.0001	MAC 97-4 Triac UAC=200V IAC=0.6A	Mot
	R.....1	57.56.4188	0.180hm 4 Watt 5%	
	R.....2	57.11.3181	180 Ohm	
	R.....3	57.11.3272	2.7kOhm	
	R.....4	57.11.3309	3.0 Ohm	
	R.....5	57.11.3102	1 kOhm	
	R.....6	57.19.0100	10 Ohm Sicherungswid./safety R /!\	
	R.....7	57.11.3103	10 kOhm	
	R.....8	57.56.2010	10 mOhm 3 Watt	
	R.....9	57.11.3102	1 kOhm	
	R....10	57.11.3102	1 kOhm	
	R....11	. .	820 Ohm *LED PCB*	
	R....12	57.11.3821	820 Ohm	
	R....13	57.11.3102	1 kOhm	
	R....14	57.11.3102	1 kOhm	
	R....15	57.11.3821	820 Ohm	
	R....16	. .	500 Ohm 22-turn poti *LED PCB* Adj. +-12V	
	R....17	57.11.3121	120 Ohm	
	R....18	57.11.3203	20 kOhm	
	R....19	57.11.3102	1 kOhm	
	R....20	57.11.3103	10 kOhm	

PHANTOM S.B. ±12V BOARD

1.918.088.00

Ad	..POS..	...REF.No...	DESCRIPTION			MANUFACTURER
	R....21	57.56.2010	10 mOhm	3 Watt		
	R....22	. .	820 Ohm		*LED PCB*	
	R....23	57.11.3821	820 Ohm			
	R....24	57.11.3102	1 kOhm			
	R....25	57.11.3102	1 kOhm			
	R....26	57.11.3102	1 kOhm			
	R....27	57.11.3105	1 MOhm			
	R....28	57.11.5335	3.3MOhm			
	R....29	57.11.3103	10 kOhm			
	R....30	57.11.3153	15 kOhm			
	R....31	57.11.5106	10 MOhm			
	R....32	57.11.3222	2.2kOhm			
	R....33	57.11.3100	10 Ohm			
	R....34	57.11.3102	1 kOhm			
	R....35	57.11.3102	1 kOhm			
	R....36	57.11.3102	1 kOhm			
	R....37	. . 0	not used			
02	R....38	57.99.0803	470 kOhm	NTC, 10%		Sie.
	R....39	57.11.3103	10 kOhm			
	R....40	57.11.3563	56 kOhm			
	R....41	57.11.3683	68 kOhm			
	R....42	57.11.3104	100 kOhm			
	R....43	57.11.3104	100 kOhm			
	R....44	57.11.3470	47 Ohm			
	R....45	57.11.3103	10 kOhm			
	R....46	57.11.3471	470 Ohm			
	R....47	57.11.3202	2.0kOhm			
	R....48	57.11.3332	3.3kOhm			
	R....49	57.92.7012	0.3 A	Poly-PTC Ihold=0.3A		
	R....50	57.11.3471	470 Ohm			
	R....51	57.11.3102	1 kOhm			
	R....52	57.11.3271	270 Ohm			
	R....53	. .	500 Ohm	22-turn poti	*LED PCB*	Adj. Phantom
	R....54	57.11.3569	5.6 Ohm			
	R....55	57.11.3109	1.0 Ohm			
	R....56	57.11.3102	1 kOhm			
	R....57	57.99.0206	50 Ohm	PTC		
	R....58	57.11.3152	1.5kOhm			
	R....59	57.11.3102	1 kOhm			
	R....60	57.11.3392	3.9kOhm			
	R....61	. .	150 Ohm		*LED PCB*	
	R....62	57.11.3105	1.0MOhm			
	R....63	57.11.3103	10 kOhm			
	R....64	57.11.3105	1.0MOhm			
	R....65	. . 0	not used			
	R....66	. . 0	not used			
	R....67	. . 0	not used			
	R....68	57.11.3189	1.8 Ohm			
	R....69	57.11.3189	1.8 Ohm			
	R....70	57.11.3189	1.8 Ohm			
	R....71	57.11.3102	1 kOhm			
	R....72	57.11.3102	1 kOhm			
	R....73	57.11.3181	180 Ohm			
	R....74	57.11.3273	27 kOhm			
	R....75	57.11.3102	1 kOhm			
	R....76	57.11.3150	15 Ohm			
	R....77	57.11.3102	1 kOhm			
	R....78	57.11.3682	6.8kOhm			
	R....79	57.11.3222	2.2kOhm			
	R....80	57.11.3153	15 kOhm			
	R....81	57.11.3103	10 kOhm			
	R....82	57.11.3682	6.8kOhm			
	R....83	57.11.3332	3.3kOhm			
	R....84	57.11.3104	100 kOhm			
	R....85	. .	470 Ohm		*LED PCB*	
	R....86	57.11.3309	3.0 Ohm			
	R....87	57.11.3309	3.0 Ohm			
	R....88	57.11.3309	3.0 Ohm			
	R....89	57.11.3104	100 kOhm			
	R....90	57.11.3332	3.3kOhm			
	R....91	57.11.3152	1.5kOhm			
	R....92	57.11.3112	1.1kOhm			
	R....93	57.11.3121	120 Ohm			
	R....94	57.11.3331	330 Ohm			
	R....95	57.92.1221	5.6 Ohm	PTC		
	R....96	57.11.3181	180 Ohm			
	R....97	57.11.3181	180 Ohm			
	R....98	57.11.3181	180 Ohm			
	R....99	57.11.3103	10 kOhm			
	R...100	58.05.0104	100 kOhm	22-turn poti	Fan/Temperature	
	R...101	57.11.3222	2.2kOhm			
	R...102	57.11.3103	10 kOhm			
	R...103	57.11.3473	47 kOhm			
	R...104	57.11.3473	47 kOhm			
	R...105	57.11.5335	3.3MOhm			
	R...106	57.11.3181	180 Ohm			
	R...107	57.11.3102	1 kOhm			
	R...108	57.11.3222	2.2kOhm			
	R...109	57.11.3104	100 kOhm			
	R...110	57.11.3104	100 kOhm			
	R...111	57.11.3104	100 kOhm			
	R...112	57.11.3103	10 kOhm			
	R...113	57.11.3105	1.0MOhm			
	R...114	57.11.3104	100 kOhm			
	R...115	. .	1 kOhm		*LED PCB*	
	R...116	. .	1 kOhm		*LED PCB*	
	R...117	. .	1 kOhm		*LED PCB*	
	R...118	57.11.3471	470 Ohm			
	R...119	57.11.3101	100 Ohm			
	R...120	57.11.3101	100 Ohm			
	R...121	57.11.3102	1 kOhm			
	R...122	57.11.3103	10 kOhm			
	R...123	57.11.3102	1 kOhm			
	R...124	57.11.5335	3.3MOhm			
	R...125	57.11.5335	3.3MOhm			
	R...126	57.11.3473	47 kOhm			
	R...127	58.05.0104	100 kOhm	22-turn poti	ON-Delay	
	R...128	57.11.3105	1.0MOhm			
	R...129	57.11.3101	100 Ohm			
	R...130	. . 0	not used			
	R...131	. . 0	not used			
	R...132	. . 0	not used			
	R...133	. . 0	not used			
	R...134	. . 0	not used			
	R...135	. . 0	not used			
	R...136	. . 0	not used			
	R...137	. . 0	not used			
	R...138	. . 0	not used			
	R...139	. . 0	not used			
	R...140	57.11.3102	1 kOhm			
	R...141	57.11.3102	1 kOhm			
	R...142	57.11.3102	1 kOhm			
	R...143	57.11.3102	1 kOhm			
	R...144	57.11.3102	1 kOhm			
	R...145	57.11.3102	1 kOhm			
	R...146	57.11.3102	1 kOhm			
	R...147	57.11.3102	1 kOhm			
	R...148	57.11.3102	1 kOhm			
	R...149	57.11.3102	1 kOhm			
	R...150	57.11.3102	1 kOhm			
	R...151	57.11.3102	1 kOhm			
	R...152	57.11.3102	1 kOhm			
	R...153	57.11.3102	1 kOhm			
	R...154	57.11.3102	1 kOhm			
	R...155	57.11.3102	1 kOhm			
	R...156	57.11.3102	1 kOhm			
	R...157	57.11.3102	1 kOhm			
	R...158	57.11.3102	1 kOhm			
	R...159	57.11.3102	1 kOhm			
	R...160	57.11.3102	1 kOhm			
	R...161	57.11.3102	1 kOhm			
	R...162	57.11.3102	1 kOhm			
	R...163	57.11.3102	1 kOhm			
	R...164	57.11.3102	1 kOhm			
	R...165	57.11.3102	1 kOhm			
	R...166	57.11.3103	10 kOhm			
	S.....1	55.15.0032		Schadow 2*U	Power-ON	
	T.....1	63.20.0101		Netztrafo		Sch
	W.....1	57.11.3000		0 Ohm wiring bridge		
	W.....2	1.010.321.64		wire 5mm		

(01) 21.02.91 Better Phantom Performance

(02) 23.09.91 Philips NTC Resistor #57.99.0220 is no longer available. R38 is now a Siemens NTC Resistor #57.99.0803 and the leads are insulated with 2 pcs. PTFE-tube #65.99.0111, L=30 mm. (MP32 position). At the MP24 position, one pc. is removed from the board. The MP28 position is no longer used.

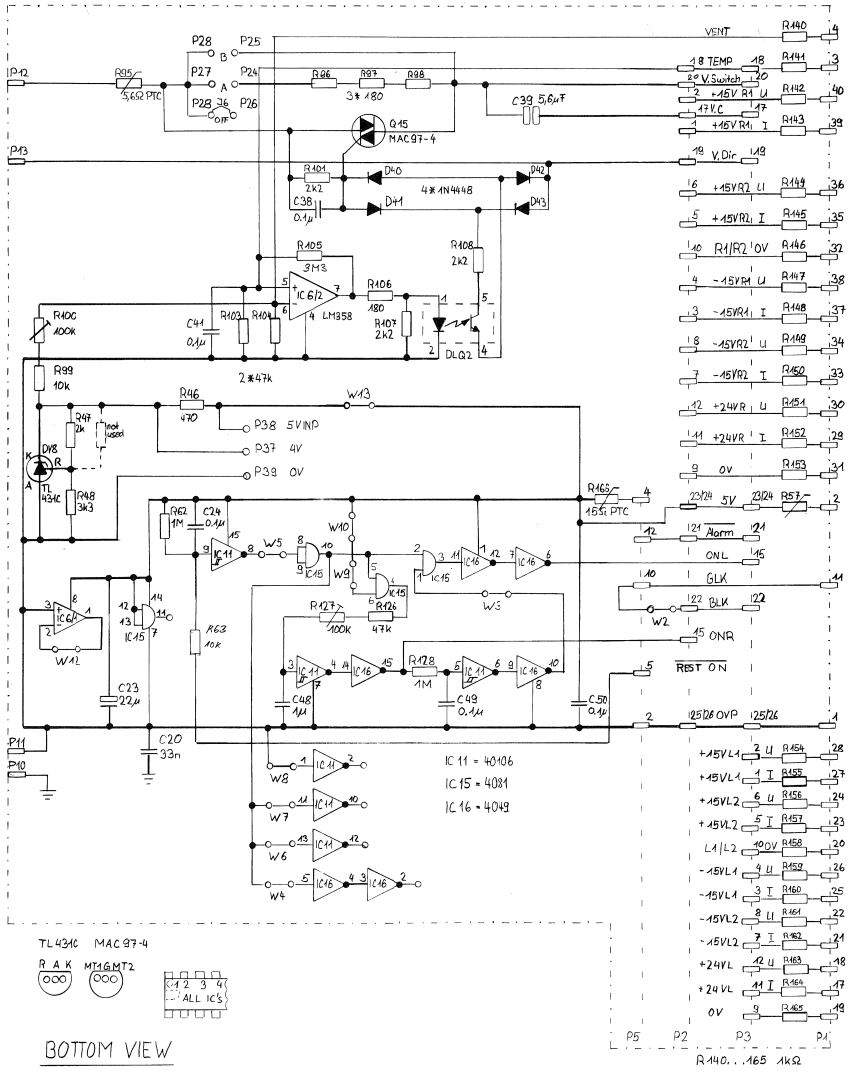
EL=Electrolytic, PE=Polyester,SAL=Solid Aluminium Lacquered

MANUFACTURERS: GI=General Instruments,Mot=Motorola, NS=National Semiconductors, RCA=Radio Corp. of America, Sch=Schaffner, Sie=Siemens, St=Studer, Sty=Stanley TI=Texas Instruments, Ya=Yamaichi,

1.918.088.00	PHANTOM S.B. +/-12V BOARD	AB90/10/2600
1.918.088.00	PHANTOM S.B. +/-12V BOARD	AB91/02/2101
1.918.088.00	PHANTOM S.B. +/-12V BOARD	AB91/09/2302

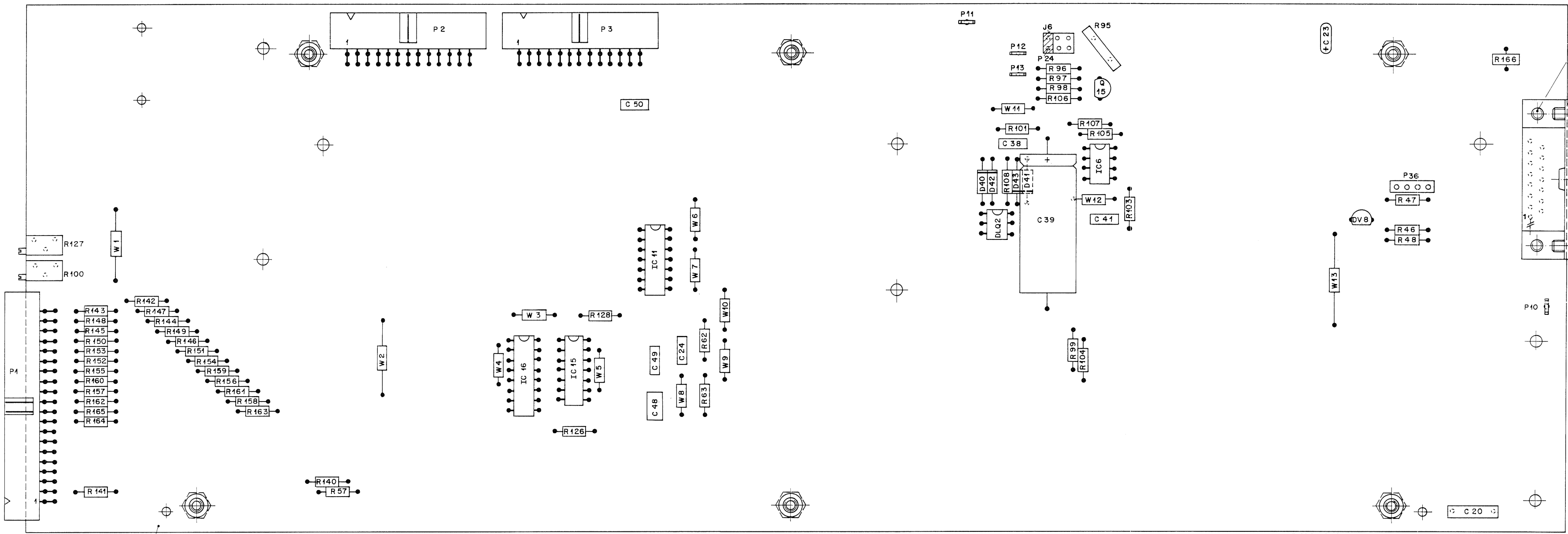
FEED THROUGH BOARD

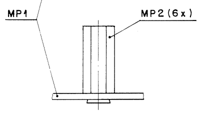
1.918.089.00



0 26.1.90 Estermann				
				PAGE 1 OF 1
STUDER	FEED THROUGH BOARD		SC	1.918.089 00

FEED THROUGH BOARD 1.918.089.00





Ausgabe	Datum	Gez.	Gepr.	Ges.	Index
					3
					2
					1
	13.6.90				0

STUDER REGENSDORF ZÜRICH — Benennung: FEED THROUGH BOARD ESE — Nummer: 1.918.089-00

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C....20	59.31.8333	33 nF PE	
	C....23	59.26.1220	22 uF 10V SAL	
	C....24	59.06.0104	100 nF PE	
	C....38	59.06.0104	100 nF PE	
	C....39	59.27.0569	5.6uF 60V EL BIPOLAR	
	C....41	59.06.0104	100 nF PE	
	C....48	59.06.0105	1 uF PE	
	C....49	59.06.0104	100 nF PE	
	C....50	59.06.0104	100 nF PE	
	D....40	50.04.0125	1N4448	any
	D....41	50.04.0125	1N4448	any
	D....42	50.04.0125	1N4448	any
	D....43	50.04.0125	1N4448	any
	DLQ...2	50.04.3200	CNY 17-2 DIL6	Sie
	DV....8	50.10.0106	TL431CLP Shunt-Regulator	TI
	IC....6	50.05.0286	LM 358 P dual FET-op.amp.	TI
	IC...11	50.07.0014	40106 CMOS Hex inv. Schmitt Trigger	Ph
	IC...15	50.07.0081	4081 CMOS Quad 2-Input AND Gate	Ph
	IC...16	50.07.0049	4049 CMOS hex inverting buffer	Ph
	J.....6	54.01.0021	1 pcs 2 Pol Jumper	
	MP....1	1.918.088.11	1 pcs Phantom PCB	St
	MP....2	1.010.046.22	6 pcs Nietmutter M3*14,5mm	St
	MP....3	1.963.001.22	1 pcs Haltewinkel D 15-Pol	St
	MP....4	1.010.036.54	2 pcs Verriegelugs Gew. Bolzen	St
	MP....5	21.13.0354	2 pcs Z-Schraube M3*6mm rostfrei	
	MP....6	24.16.1030	4 pcs Rippenscheibe M3	
	MP....7	54.01.0020	4 pcs Test-Connector see also P 36	
	MP....8	43.01.0108	1 pcs ESE Warnschild	
	P.....1	54.14.2075	1 pcs 2*20 Pin PCB Flat-cable connector	
	P.....2	54.14.2074	1 pcs 2*13 Pin PCB Flat-cable connector	
	P.....3	54.14.2074	1 pcs 2*13 Pin PCB Flat-cable connector	
	P.....5	54.13.0012	1 pcs 15 Pol D-Type connector	
	P....10	54.02.0320	1 pcs 2.8mm Faston-connector Chassis	
	P....11	54.02.0320	1 pcs 2.8mm Faston-connector 0 V	
	P....12	54.02.0320	1 pcs 2.8mm Faston-connector AC-Input for Fan	
	P....13	54.02.0320	1 pcs 2.8mm Faston-connector AC-Input for Fan	
	P....24	54.11.0136	1 pcs 2* 3 Pin connector P24...P29	
	P....36	. . 0	4 Pin Test conn. P36...P39, see MP 7	
	Q....15	50.08.0001	MAC 97-4 Triac UAC=200V IAC=0.6A	
	R....46	57.11.3471	470 Ohm	
	R....47	57.11.3202	2.0kOhm	
	R....48	57.11.3332	3.3kOhm	
	R....57	57.99.0206	50 Ohm PTC	
	R....62	57.11.3105	1 MOhm	
	R....63	57.11.3103	10 kOhm	
	R....95	57.92.1221	5.6 Ohm PTC	
	R....96	57.11.3181	180 Ohm	
	R....97	57.11.3181	180 Ohm	
	R....98	57.11.3181	180 Ohm	
	R....99	57.11.3103	10 kOhm	
	R...100	58.05.0104	100 kOhm 22-turn poti	
	R...101	57.11.3222	2.2kOhm	
	R...103	57.11.3473	47 kOhm	
	R...104	57.11.3473	47 kOhm	
	R...105	57.11.5335	3.3MOhm	
	R...106	57.11.3181	180 Ohm	
	R...107	57.11.3102	1 kOhm	
	R...108	57.11.3222	2.2kOhm	
	R...126	57.11.3473	47 kOhm	
	R...127	58.05.0104	100 kOhm 22-turn poti	
	R...128	57.11.3105	1 MOhm	
	R...140	57.11.3102	1 kOhm	
	R...141	57.11.3102	1 kOhm	
	R...142	57.11.3102	1 kOhm	
	R...143	57.11.3102	1 kOhm	
	R...144	57.11.3102	1 kOhm	
	R...145	57.11.3102	1 kOhm	
	R...146	57.11.3102	1 kOhm	
	R...147	57.11.3102	1 kOhm	
	R...148	57.11.3102	1 kOhm	
	R...149	57.11.3102	1 kOhm	
	R...150	57.11.3102	1 kOhm	
	R...151	57.11.3102	1 kOhm	
	R...152	57.11.3102	1 kOhm	
	R...153	57.11.3102	1 kOhm	
	R...154	57.11.3102	1 kOhm	
	R...155	57.11.3102	1 kOhm	
	R...156	57.11.3102	1 kOhm	
	R...157	57.11.3102	1 kOhm	
	R...158	57.11.3102	1 kOhm	
	R...159	57.11.3102	1 kOhm	
	R...160	57.11.3102	1 kOhm	
	R...161	57.11.3102	1 kOhm	
	R...162	57.11.3102	1 kOhm	
	R...163	57.11.3102	1 kOhm	
	R...164	57.11.3102	1 kOhm	
	R...165	57.11.3102	1 kOhm	
	R...166	57.92.1121	15 Ohm PTC	
	W.....1	57.11.3000	0 Ohm Wiring bridge	
	W.....2	57.11.3000	0 Ohm Wiring bridge	
	W.....3	57.11.3000	0 Ohm Wiring bridge	
	W.....4	57.11.3000	0 Ohm Wiring bridge	
	W.....5	57.11.3000	0 Ohm Wiring bridge	
	W.....6	57.11.3000	0 Ohm Wiring bridge	
	W.....7	57.11.3000	0 Ohm Wiring bridge	
	W.....8	57.11.3000	0 Ohm Wiring bridge	
	W.....9	57.11.3000	0 Ohm Wiring bridge	
	W....10	57.11.3000	0 Ohm Wiring bridge	
	W....11	57.11.3000	0 Ohm Wiring bridge	
	W....12	57.11.3000	0 Ohm Wiring bridge	
	W....13	57.11.3000	0 Ohm Wiring bridge	

EL=Electrolytic, PE=Polyester,SAL=Solid AluminiumLacquered

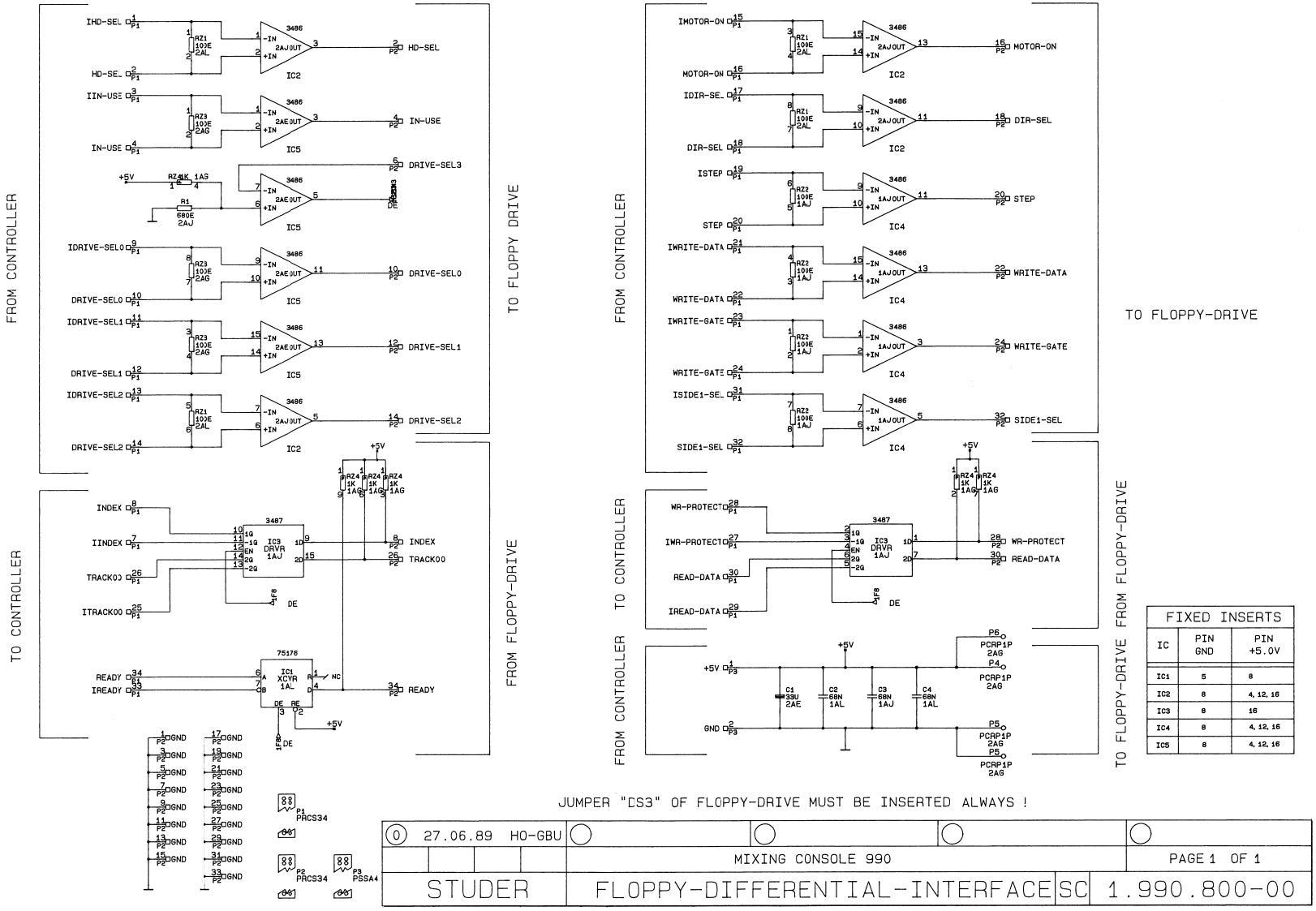
MANUFACTURER: GI=General Instruments, PH=Philips, NS=National Semicond
Sie=Siemens, St=Studer, TI=Texas Instrument, Ya=Yamaichi

1.918.089.00 FEED THROUGH BOARD AB 90/11/1400

Section 9 Floppy Controller, HDLC - and HOST Processor

Table of Contents

FLOPPY-DIFFERENTIAL-INTERFACE 1.990.800.00

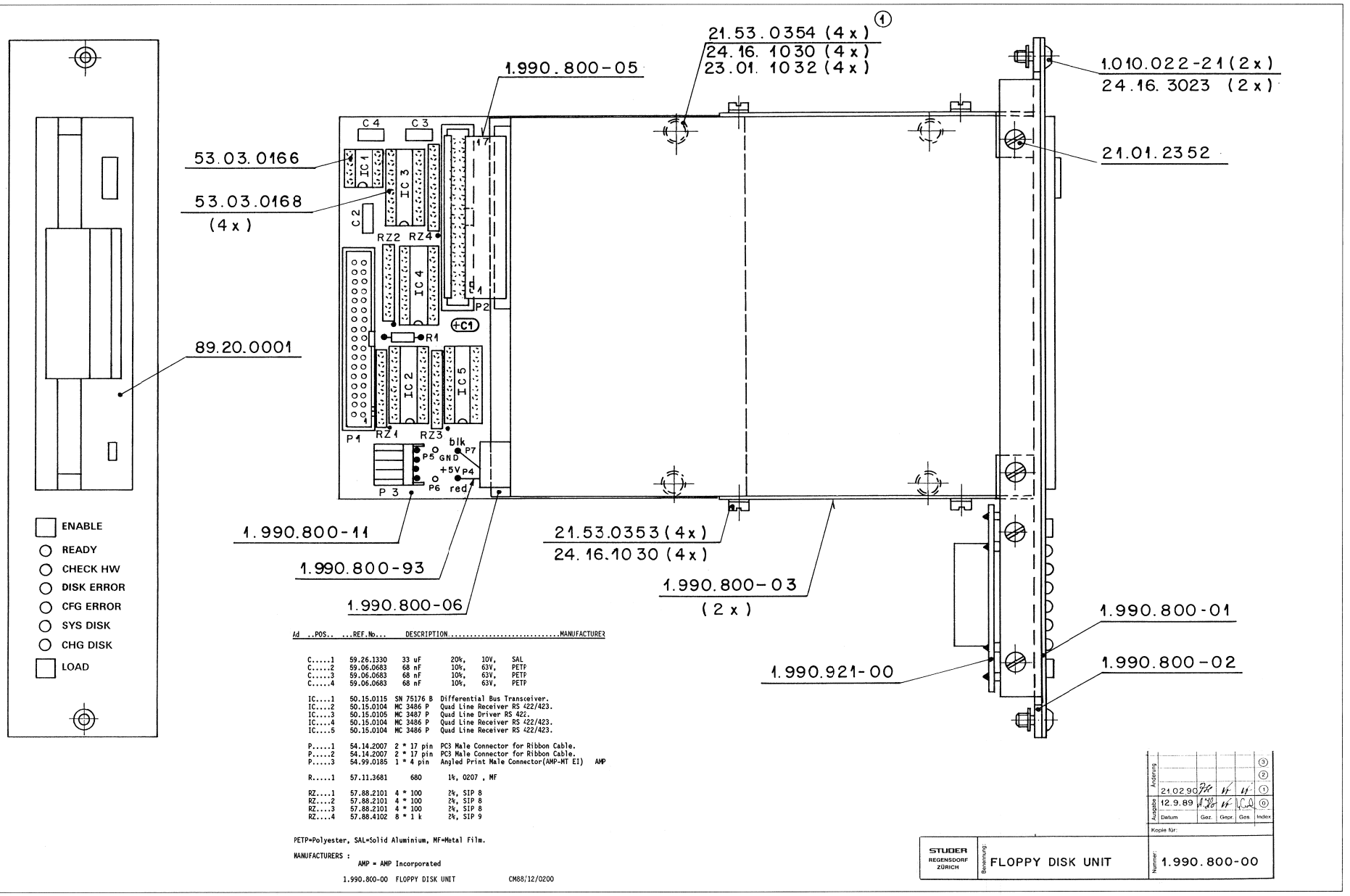


FIXED INSERTS		
IC	PIN GND	PIN +5.0V
IC1	5	8
IC2	8	4, 12, 16
IC3	8	16
IC4	8	4, 12, 16
IC5	8	4, 12, 16

JUMPER "CS3" OF FLOPPY-DRIVE MUST BE INSERTED ALWAYS !

0 27.06.89 HO-GBU			
	MIXING CONSOLE 990		PAGE 1 OF 1
STUDER	FLOPPY-DIFFERENTIAL-INTERFACE	SC	1.990.800-00

FLOPPY DISK UNIT 1.990.800.00



Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C.....1	59.26.1330	33 uF 20%, 10V,	SAL
	C.....2	59.06.0683	68 nF 10%, 63V,	PETP
	C.....3	59.06.0683	68 nF 10%, 63V,	PETP
	C.....4	59.06.0683	68 nF 10%, 63V,	PETP
	IC....1	50.15.0115	SN 75176 B Differential Bus Transceiver.	
	IC....2	50.15.0104	MC 3486 P Quad Line Receiver RS 422/423.	
	IC....3	50.15.0105	MC 3487 P Quad Line Driver RS 422.	
	IC....4	50.15.0104	MC 3486 P Quad Line Receiver RS 422/423.	
	IC....5	50.15.0104	MC 3486 P Quad Line Receiver RS 422/423.	
	P.....1	54.14.2007	2 * 17 pin PC3 Male Connector for Ribbon Cable.	
	P.....2	54.14.2007	2 * 17 pin PC3 Male Connector for Ribbon Cable.	
	P.....3	54.99.0185	1 * 4 pin Angled Print Male Connector(AMP-MT EI)	AMP
	R.....1	57.11.3681	680 1%, 0207 , MF	
	RZ....1	57.88.2101	4 * 100 2%, SIP 8	
	RZ....2	57.88.2101	4 * 100 2%, SIP 8	
	RZ....3	57.88.2101	4 * 100 2%, SIP 8	
	RZ....4	57.88.4102	8 * 1 k 2%, SIP 9	

PETP=Polyester, SAL=Solid Aluminium, MF=Metal Film.

MANUFACTURERS :
AMP = AMP Incorporated

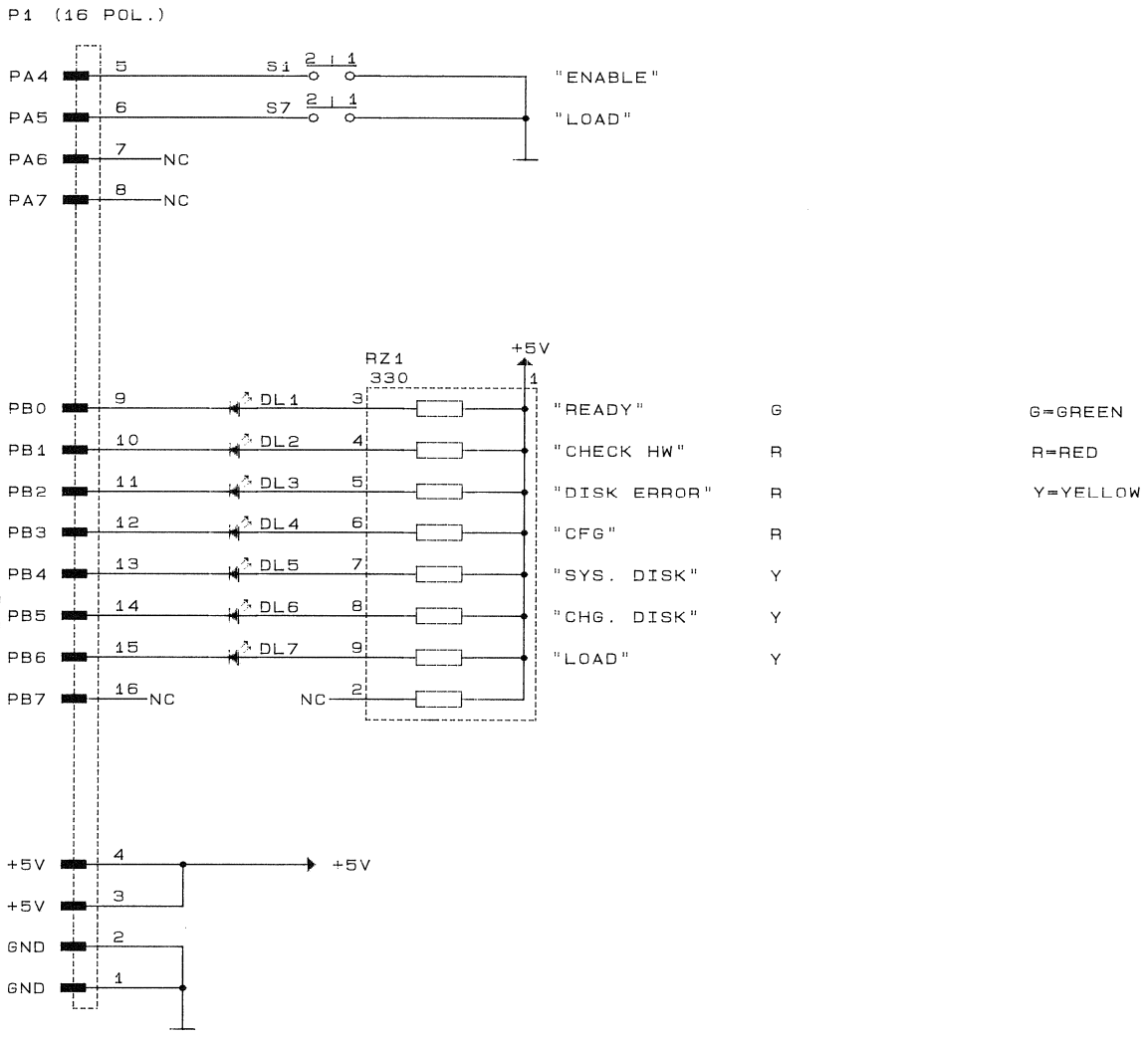
1.990.800-00 FLOPPY DISK UNIT CM88/12/0200

Änderung					
	21.02.90				①
Ausgabe	12.9.89				⓪
	Datum	Gez.	Gepr.	Gen.	Index

Kopie für:

STUDER REGENSDORF ZÜRICH | Benennung: FLOPPY DISK UNIT | Nummer: 1.990.800-00

SYSTEM PANEL 1.990.921.00



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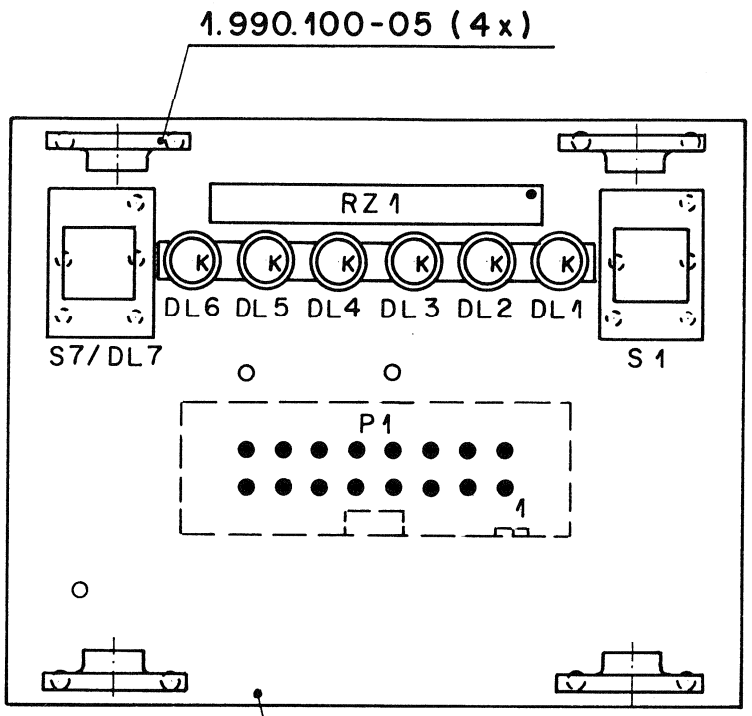
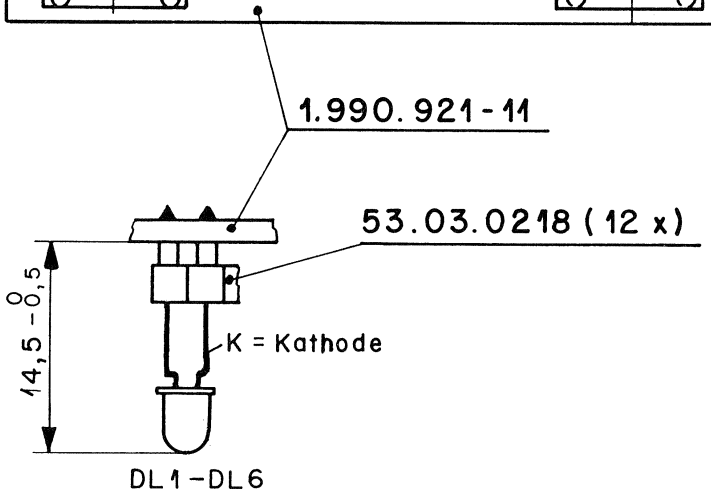
	MIXING CONSOLE 990			PAGE 1 OF 1
STUDER	SYSTEM PANEL		SC	1.990.921.00

SYSTEM PANEL 1.990.921.00





Ad	..POS..	...REF.No...	DESCRIPTION.....MANUFACTURER	
	DL....1	50.04.2131	LG 3360-K LED, Diffused green	Sie
	DL....2	50.04.2129	LS 3360-K LED, Diffused red	Sie
	DL....3	50.04.2129	LS 3360-K LED, Diffused red	Sie
	DL....4	50.04.2129	LS 3360-K LED, Diffused red	Sie
	DL....5	50.04.2130	LY 3360-K LED, Diffused yellow	Sie
	DL....6	50.04.2130	LY 3360-K LED, Diffused yellow	Sie
	DL....7	. .	see Note	
	P.....1	54.14.2002	2 * 8 pins Male PCB-Connector for Ribbon Cable	
	RZ....1	57.88.4331	8 * 330 Resistor Network, 2%, SIP9	
	S.....1	55.15.0604	1 * A Momentary Key Switch, wht. cap/yel. LED	ddm
	S.....7	55.15.0604	1 * A Momentary Key Switch, wht. cap/yel. LED	ddm

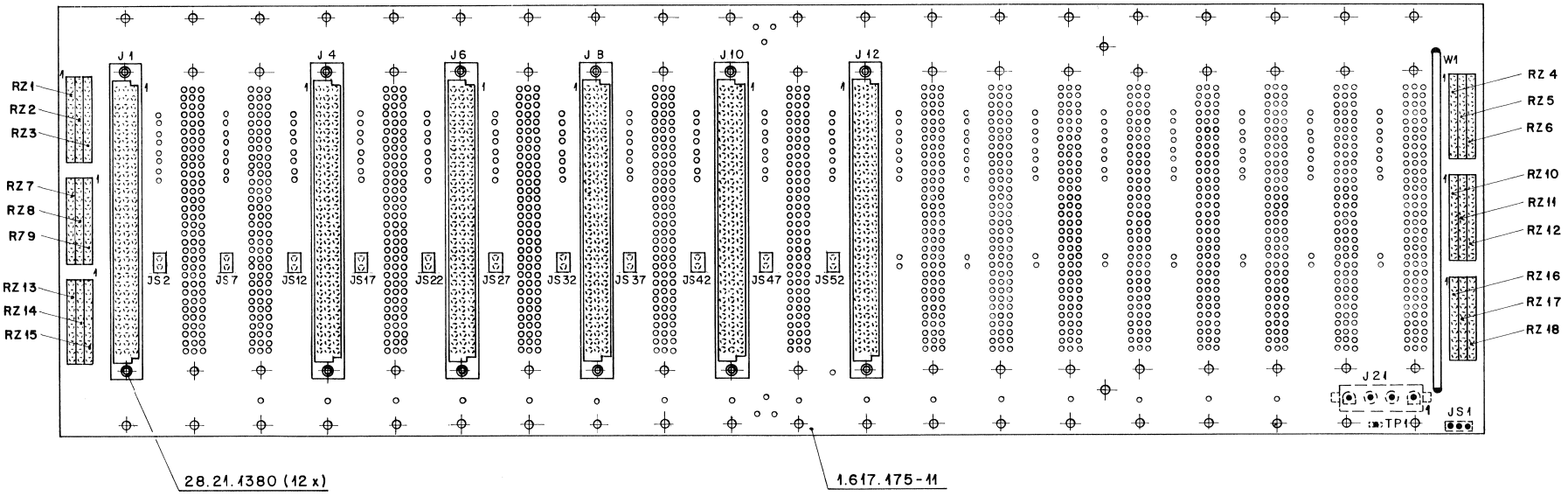
Note: LED DL1 to DL6 are plugged into one row female header #53.03.0218
(1 * 12 pcs.)
LED DL7 is part of S7 device.

MANUFACTURERS :
ddm = Hopt + Schuler
Sie = Siemens

1.990.921-00 SYSTEM PANEL CM89/07/0400

STUDER REGENSDORF ZURICH	SYSTEM PANEL	1.990.921-00

VME-MOTHERBOARD 1.990.920.00



Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	J.....1	54.11.2024	3*32 pins Straight Female Eurocard-Connector	
	J.....4	54.11.2024	3*32 pins Straight Female Eurocard-Connector	
	J.....6	54.11.2024	3*32 pins Straight Female Eurocard-Connector	
	J.....8	54.11.2024	3*32 pins Straight Female Eurocard-Connector	
	J....10	54.11.2024	3*32 pins Straight Female Eurocard-Connector	
	J....12	54.11.2024	3*32 pins Straight Female Eurocard-Connector	
	J....21	54.25.0004	1*4 pins PCB Female Power-Connector	
	JS....1	54.01.0021	1 * 2 Jumper, see note 1	
01	JS....2	54.01.0021	1 * 2 Jumper, see note 2	
01	JS....7	54.01.0021	1 * 2 Jumper, see note 2	
01	JS...12	54.01.0021	1 * 2 Jumper, see note 2	
01	JS...17	54.01.0021	1 * 2 Jumper, see note 2	
01	JS...22	54.01.0021	1 * 2 Jumper, see note 2	
01	JS...27	54.01.0021	1 * 2 Jumper, see note 2	
01	JS...32	54.01.0021	1 * 2 Jumper, see note 2	
01	JS...37	54.01.0021	1 * 2 Jumper, see note 2	
01	JS...42	54.01.0021	1 * 2 Jumper, see note 2	
01	JS...47	54.01.0021	1 * 2 Jumper, see note 2	
01	JS...52	54.01.0021	1 * 2 Jumper, see note 2	
	RZ....1	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....2	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....3	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....4	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....5	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....6	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....7	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....8	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....9	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...10	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...11	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...12	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...13	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...14	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...15	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...16	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...17	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...18	57.80.4001	330/470 Network, 16*R, 2%, SIP10	

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	TP....1	54.02.0320	2.8 * 0.8 Straight PCB Faston-Connector	
	W.....1	1.617.175.02	Ground Bridge	ST

Manufacturer: St = Studer

Note 1 : JS1 consists of 1 pc. jumper (#54.01.0021) plugged into 2-of-3 pcs. one row male headers (#54.01.0020).

Note 2 : JS2 to JS52 consists of 1 pc. jumper (#54.01.0021) plugged into 2 pcs. one row male headers (#54.01.0020).

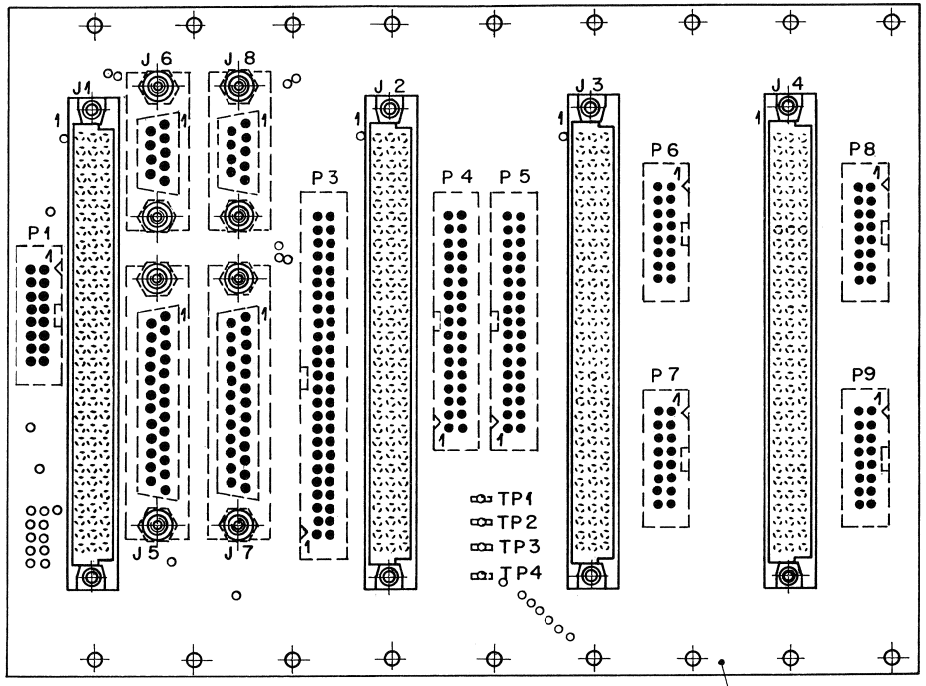
1.990.920.00 VME MOTHERBOARD DAW89/01/3000

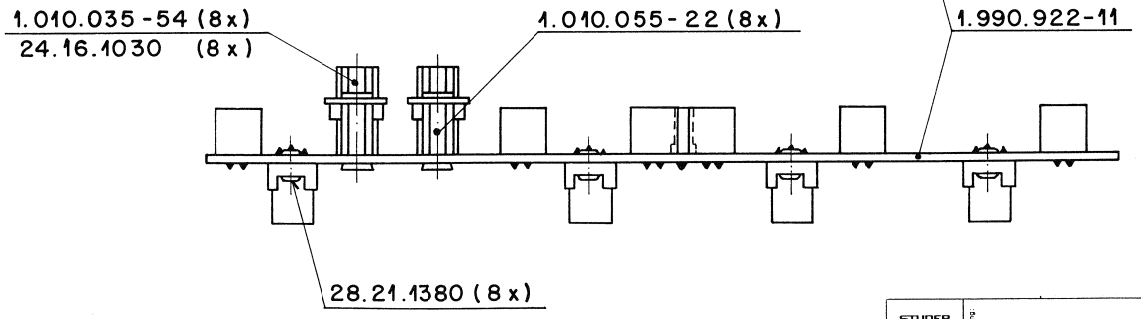
1.990.920.00 VME MOTHERBOARD DAW92/04/1501

① JS2 bis JS52 neu dazu
Schild aufgeklebt nach Fabrikationsmuster.

⓪ 6.12.89	① 5.4.92			
STUDER REGENSDORF ZURICH	VME-MOTHERBOARD		1.990.920-00	

USER MOTHER BOARD 1.990.922.00





Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	J.....1	54.11.2024	3*32 pins	Straight Female Eurocard-Connector
	J.....2	54.11.2024	3*32 pins	Straight Female Eurocard-Connector
	J.....3	54.11.2024	3*32 pins	Straight Female Eurocard-Connector
	J.....4	54.11.2024	3*32 pins	Straight Female Eurocard-Connector
	J.....5	54.13.0023	25 pins	Straight PCB D-Type Female Connector
	J.....6	54.13.0021	9 pins	Straight PCB D-Type Female Connector
	J.....7	54.13.0023	25 pins	Straight PCB D-Type Female Connector
	J.....8	54.13.0021	9 pins	Straight PCB D-Type Female Connector
	P.....1	54.14.2002	2*8 pins	Straight PCB Male Connector for Ribbon Cable
	P.....2			Not tipped.
	P.....3	54.14.2005	2*25 pins	Straight PCB Male Connector for Ribbon Cable
	P.....4	54.14.2007	2*17 pins	Straight PCB Male Connector for Ribbon Cable
	P.....5	54.14.2007	2*17 pins	Straight PCB Male Connector for Ribbon Cable
	P.....6	54.14.2002	2*8 pins	Straight PCB Male Connector for Ribbon Cable
	P.....7	54.14.2002	2*8 pins	Straight PCB Male Connector for Ribbon Cable
	P.....8	54.14.2002	2*8 pins	Straight PCB Male Connector for Ribbon Cable
	P.....9	54.14.2002	2*8 pins	Straight PCB Male Connector for Ribbon Cable
	TP....1	54.02.0320	2.8 * 0.8	Straight PCB Faston-Connector
	TP....2	54.02.0320	2.8 * 0.8	Straight PCB Faston-Connector
	TP....3	54.02.0320	2.8 * 0.8	Straight PCB Faston-Connector
	TP....4	54.02.0320	2.8 * 0.8	Straight PCB Faston-Connector

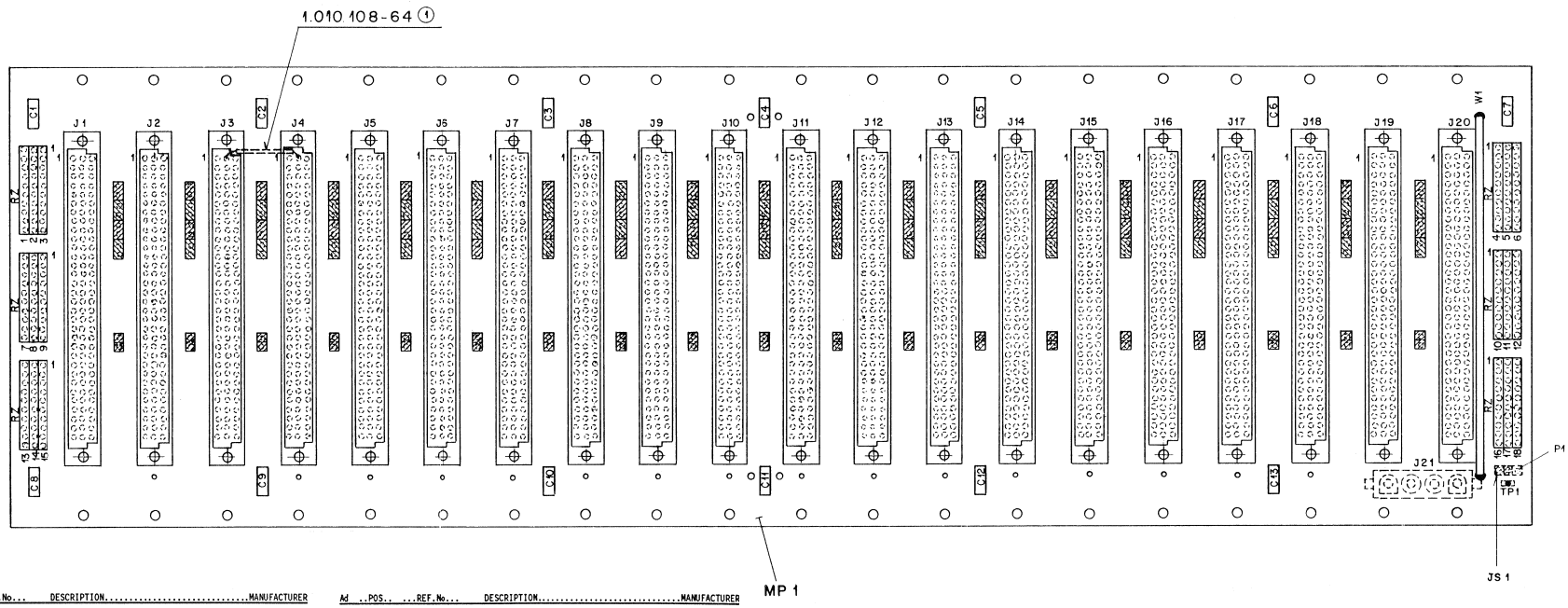
1.990.922-00 PROCESSOR & DISC MOTHERBOARD RP89/05/2900

Änderung	Ausgabe	Datum	Gez.	Gepr.	Ges.	Index
	8.3.90					0

Kopie für:

STUDER REGENSDORF ZÜRICH | Benennung: USER MOTHER BOARD | Nummer: 1.990.922-00

VME MOTHER BOARD (MKII) 1.990.923.00



Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C.....1	59.06.0104	.1 U 10%, 63V , PETP	
	C.....2	59.06.0104	.1 U 10%, 63V , PETP	
	C.....3	59.06.0104	.1 U 10%, 63V , PETP	
	C.....4	59.06.0104	.1 U 10%, 63V , PETP	
	C.....5	59.06.0104	.1 U 10%, 63V , PETP	
	C.....6	59.06.0104	.1 U 10%, 63V , PETP	
	C.....7	59.06.0104	.1 U 10%, 63V , PETP	
	C.....8	59.06.0104	.1 U 10%, 63V , PETP	
	C.....9	59.06.0104	.1 U 10%, 63V , PETP	
	C....10	59.06.0104	.1 U 10%, 63V , PETP	
	C....11	59.06.0104	.1 U 10%, 63V , PETP	
	C....12	59.06.0104	.1 U 10%, 63V , PETP	
	C....13	59.06.0104	.1 U 10%, 63V , PETP	
	J.....1	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J.....2	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J.....3	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J.....4	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J.....5	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J.....6	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J.....7	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J.....8	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J.....9	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....10	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....11	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....12	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....13	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....14	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....15	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....16	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....17	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....18	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....19	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....20	54.11.2011	EURO 3 * 32, TYP C, PRINT	
	J....21	54.25.0004	1*4 pins PCB Female Power-Connector	
	JS....1	. . 0	not used Jumpers see MP3	
	MP....1	1.617.175.12	VME MOTHER PCB	
	MP....2	1.990.923.04	NR.-ETIKETTE 5 * 20	
	MP....3	54.01.0021	96 pcs Jumper	
	MP....4	54.01.0020	193 pcs Pin	
	P.....1	. . 0	not used Pins see MP4	

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	RZ....1	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....2	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....3	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....4	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....5	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....6	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....7	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....8	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ....9	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...10	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...11	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...12	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...13	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...14	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...15	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...16	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...17	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	RZ...18	57.80.4001	330/470 Network, 16*R, 2%, SIP10	
	TP....1	54.02.0320	2.8 * 0.8 Straight PCB Faston-Connector	
	W.....1	1.617.175.02	Ground Bridge	St

Manufacturer: St = Studer

1.990.923.00 VME MOTHERBOARD MK2 HUB92/07/1500

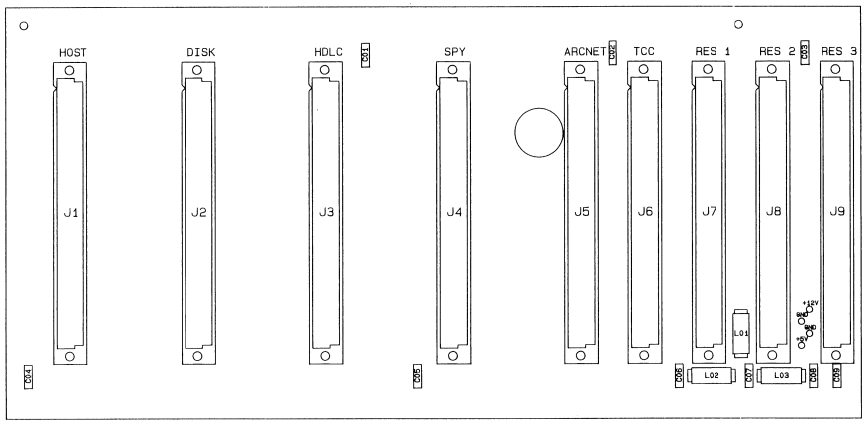
Änderung					③
					②
	11.9.92				①
Ausgabe	15.7.92				⓪
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

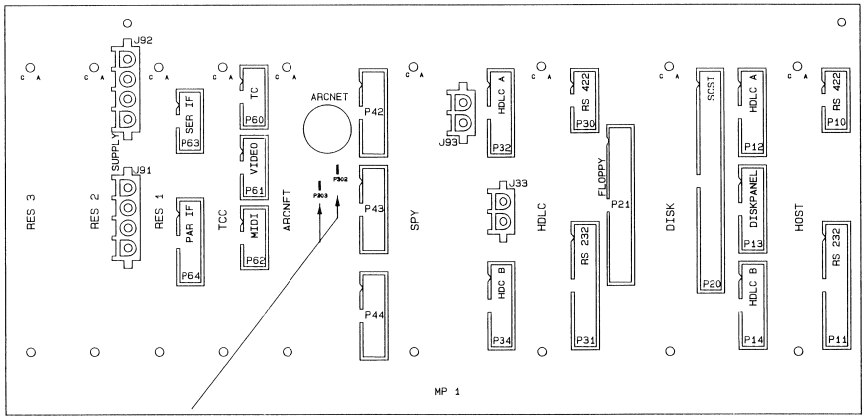
STUDER REGENSDORF ZÜRICH	Benennung: VME Mother Board MK II.	Nummer: 1.990.923-00

USER MOTHER BOARD (MKII) 1.990.924.00

BESTUECKUNGSSEITE



LOETSEITE



54.02.0320

IND.	DATUM	GEZ.	GEPR.	GES.
6	08.07.92	BET		

BLATT 1 VON 1

STUDER	USER MOTHER BOARD MK II	BP	1.990.924-00

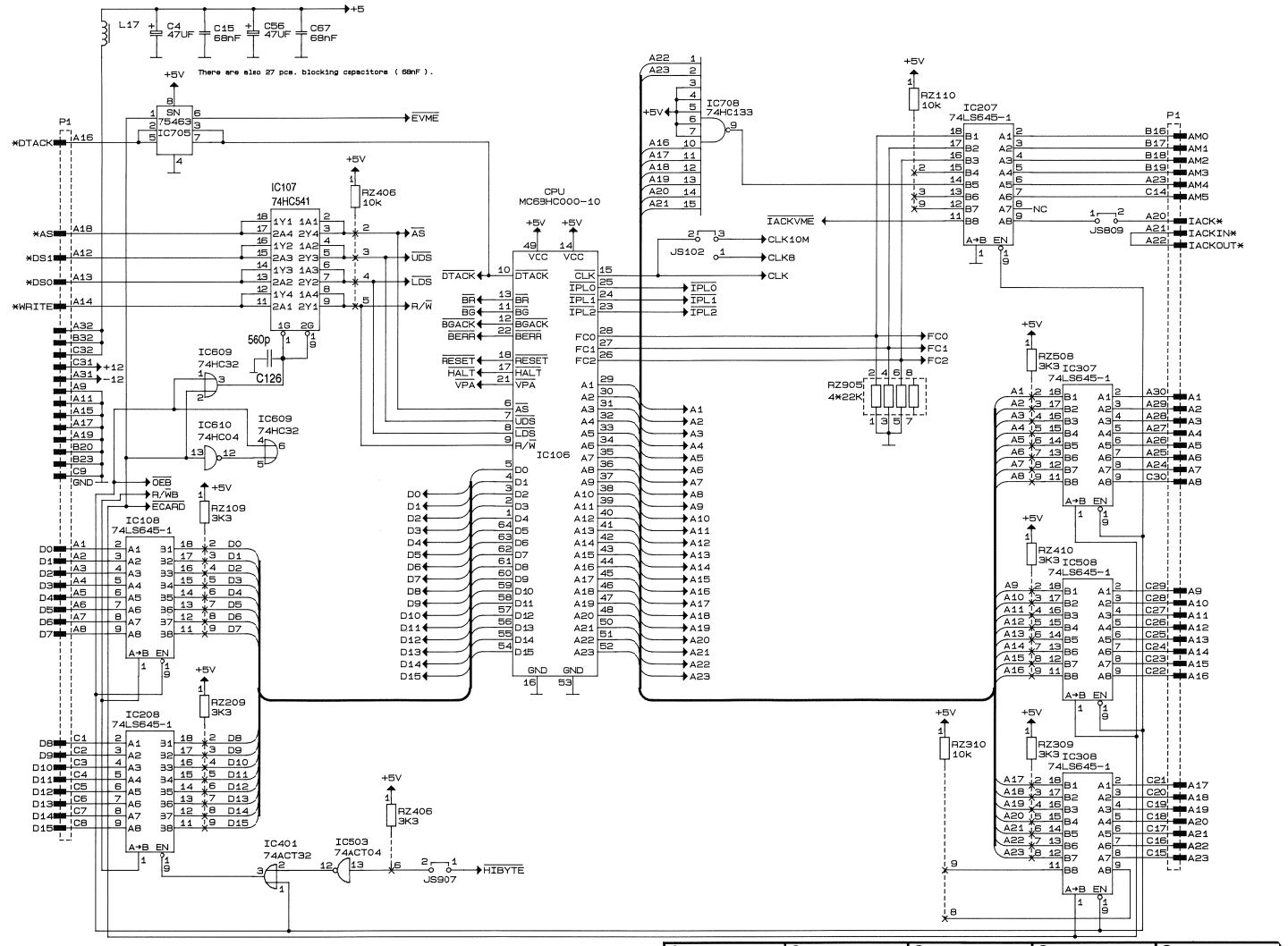
Ad	..POS..	...REF.No...	DESCRIPTION	...MANUFACTURER
	C.....1	59.06.0104	100 nF 10%, 63V , PETP	
	C.....2	59.06.0104	100 nF 10%, 63V , PETP	
	C.....3	59.06.0104	100 nF 10%, 63V , PETP	
	C.....4	59.06.0104	100 nF 10%, 63V , PETP	
	C.....5	59.06.0104	100 nF 10%, 63V , PETP	
	C.....6	59.06.0104	100 nF 10%, 63V , PETP	
	C.....7	59.06.0104	100 nF 10%, 63V , PETP	
	C.....8	59.06.0104	100 nF 10%, 63V , PETP	
	C.....9	59.06.0104	100 nF 10%, 63V , PETP	
	J....33	54.25.0002	2 pin	AMP vertical type
	J....91	54.25.0004	4 pin	AMP vertical type
	J....92	54.25.0004	4 pin	AMP vertical type
	J....93	54.25.0002	2 pin	AMP vertical type
	J.....1	54.11.2025	2*32 pin	action pin type
	J.....2	54.11.2025	2*32 pin	action pin type
	J.....3	54.11.2025	2*32 pin	action pin type
	J.....4	54.11.2025	2*32 pin	action pin type
	J.....5	54.11.2025	2*32 pin	action pin type
	J.....6	54.11.2025	2*32 pin	action pin type
	J.....7	54.11.2025	2*32 pin	action pin type
	J.....8	54.11.2025	2*32 pin	action pin type
	J.....9	54.11.2025	2*32 pin	action pin type
	L.....1	62.99.0111	3.9 uH	on bulk core
	L.....2	62.99.0111	3.9 uH	on bulk core
	L.....3	62.99.0111	3.9 uH	on bulk core
	MP....1	1.990.924.11		User Mother PCB
	MP....2	1.990.924.04		Number Etiquette
	P....10	54.14.4010	10 pin	action pin type
	P....30	54.14.4010	10 pin	action pin type
	P....60	54.14.4010	10 pin	action pin type
	P....61	54.14.4010	10 pin	action pin type
	P....62	54.14.4010	10 pin	action pin type
	P....63	54.14.4010	10 pin	action pin type
	P....12	54.14.4016	16 pin	action pin type
	P....13	54.14.4016	16 pin	action pin type
	P....14	54.14.4016	16 pin	action pin type
	P....32	54.14.4016	16 pin	action pin type
	P....34	54.14.4016	16 pin	action pin type
	P....42	54.14.4016	16 pin	action pin type
	P....43	54.14.4016	16 pin	action pin type
	P....44	54.14.4016	16 pin	action pin type
	P....64	54.14.4016	16 pin	action pin type
	P....11	54.14.4026	26 pin	action pin type
	P....31	54.14.4026	26 pin	action pin type
	P....20	54.14.4050	50 pin	action pin type
	P....21	54.14.4034	26 pin	action pin type

Connector Manifacturers: AMP, Burndy

1.990.924.00 USER MOTHER BOARD BBT92/07/0800

CPU 68000 CPU / VME-BUS DRIVERS

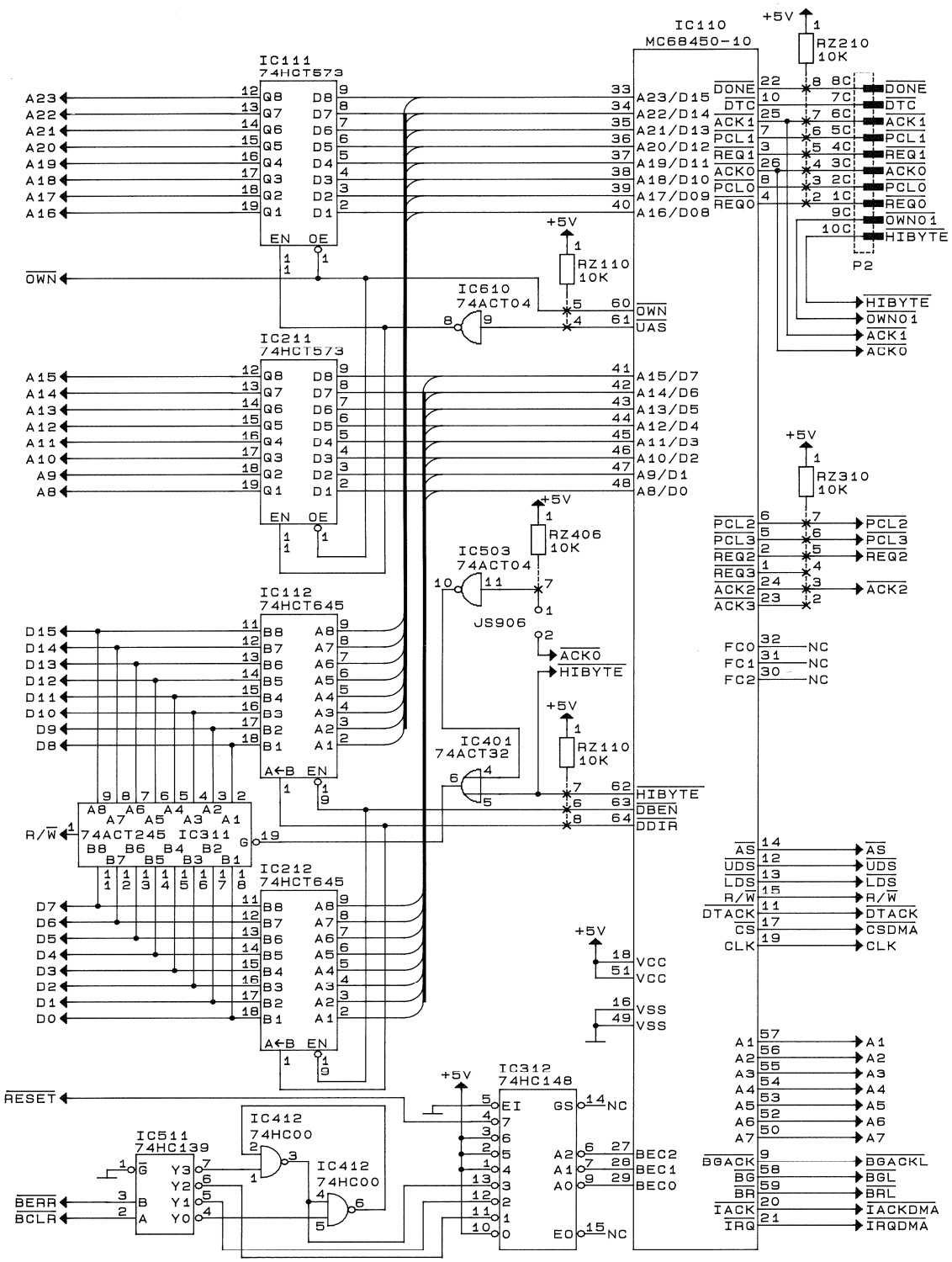
1.990.932.21



⓪ 17.10.89 CM	① 03.10 90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 1 OF 12
STUDER	CPU/VME-BUS DRIVERS		SC	1.990.932.21

CPU 68000 DMA

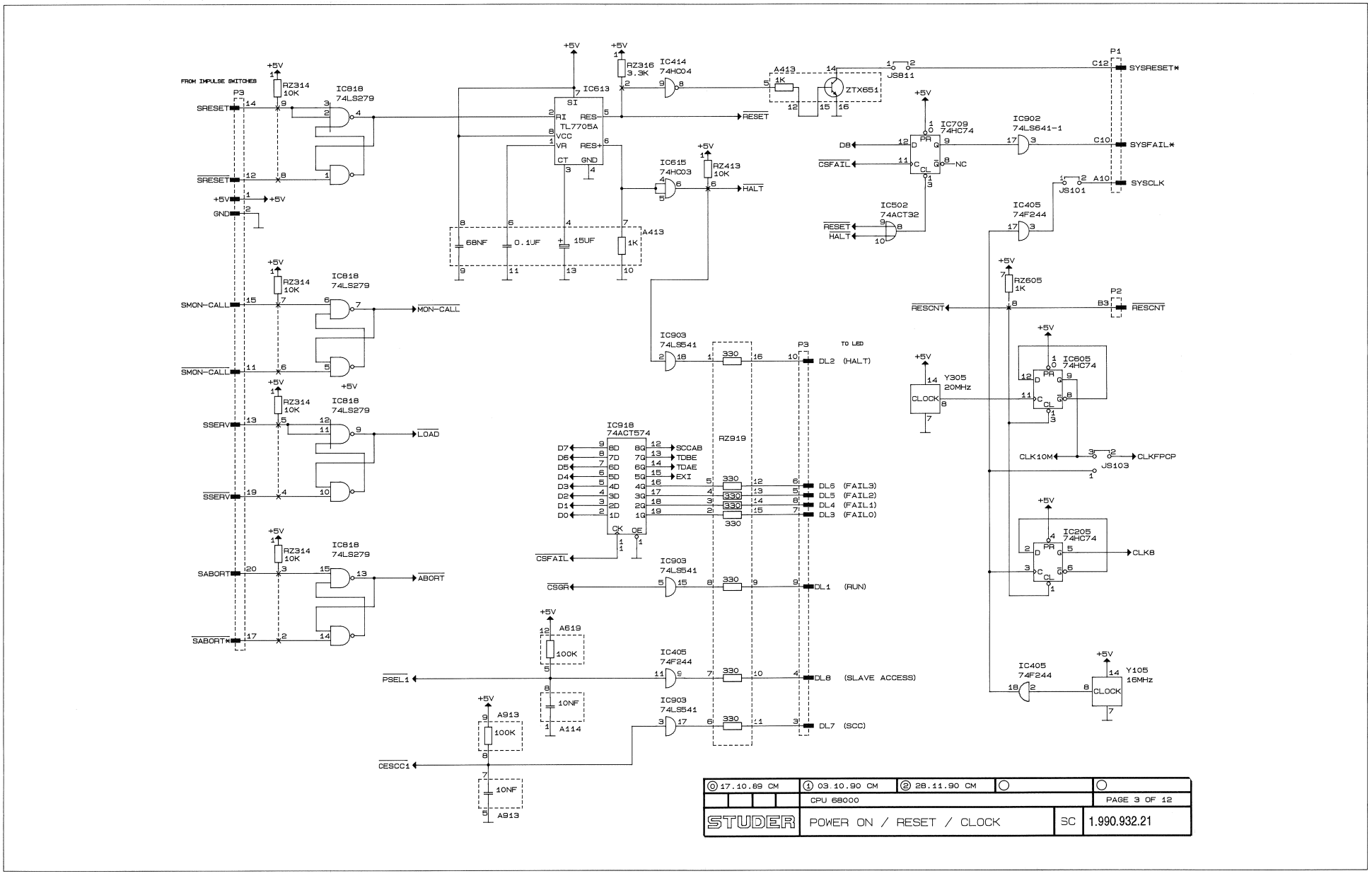
1.990.932.21



⓪ 17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 2 OF 12
STUDER	DMA		SC	1.990.932.21

CPU 68000 POWER ON / RESET / CLOCK

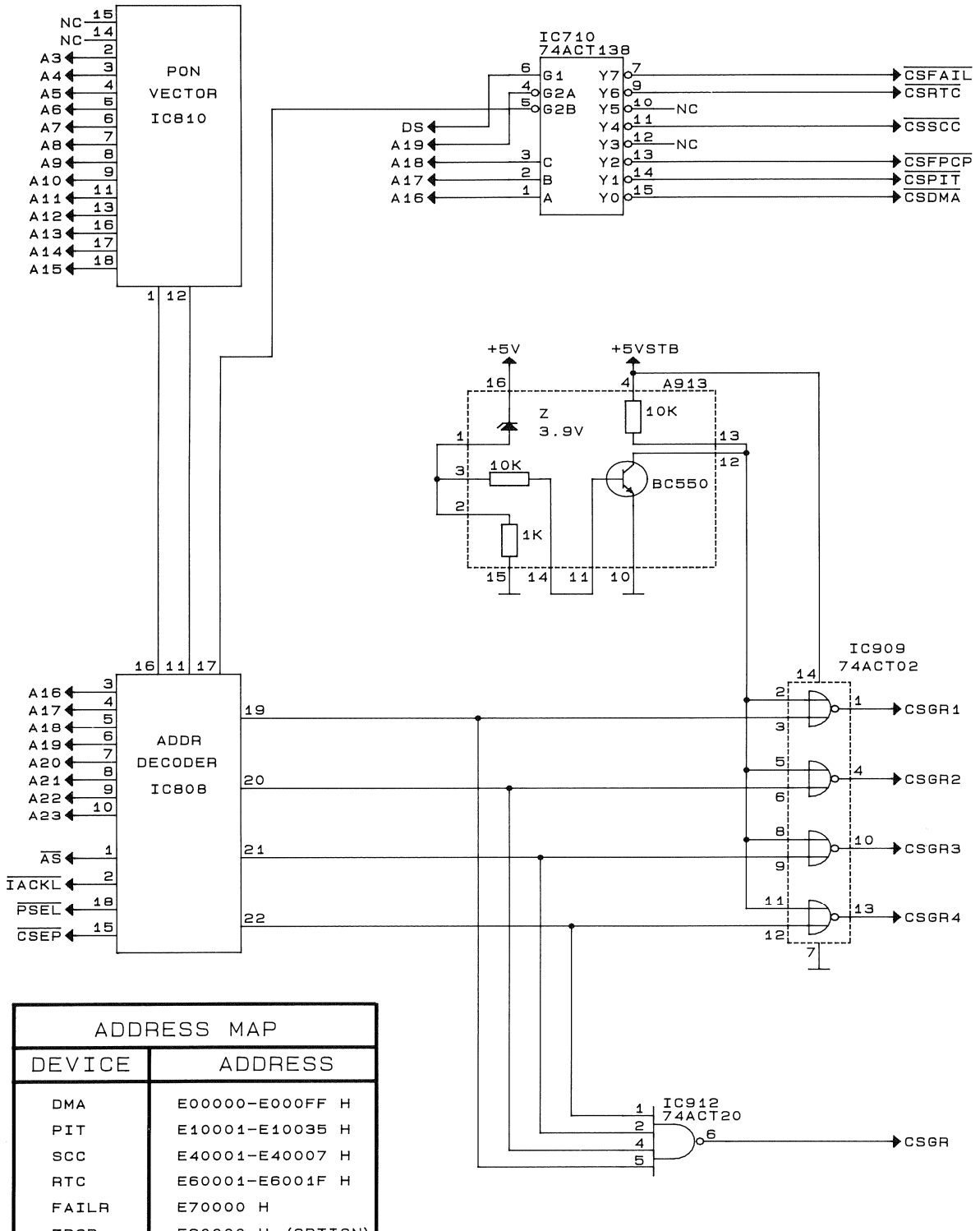
1.990.932.21



⓪ 17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 3 OF 12
STUDER	POWER ON / RESET / CLOCK		SC	1.990.932.21

CPU 68000 ADDRESS DECODER

1.990.932.21

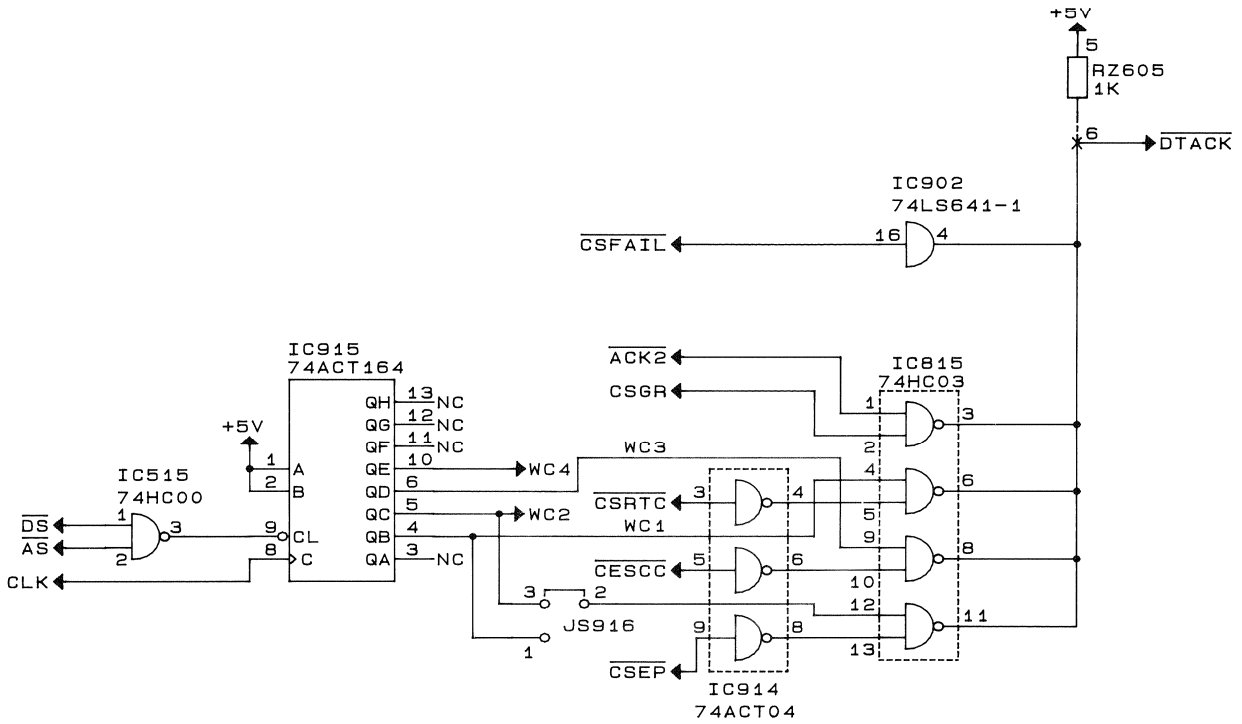


ADDRESS MAP	
DEVICE	ADDRESS
DMA	E00000-E000FF H
PIT	E10001-E10035 H
SCC	E40001-E40007 H
RTC	E60001-E6001F H
FAILR	E70000 H
FPCP	E20000 H (OPTION)

⓪ 17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 4 OF 12
STUDER	ADDRESS DECODER		SC	1.990.932.21

CPU 68000 DTACK GENERATOR

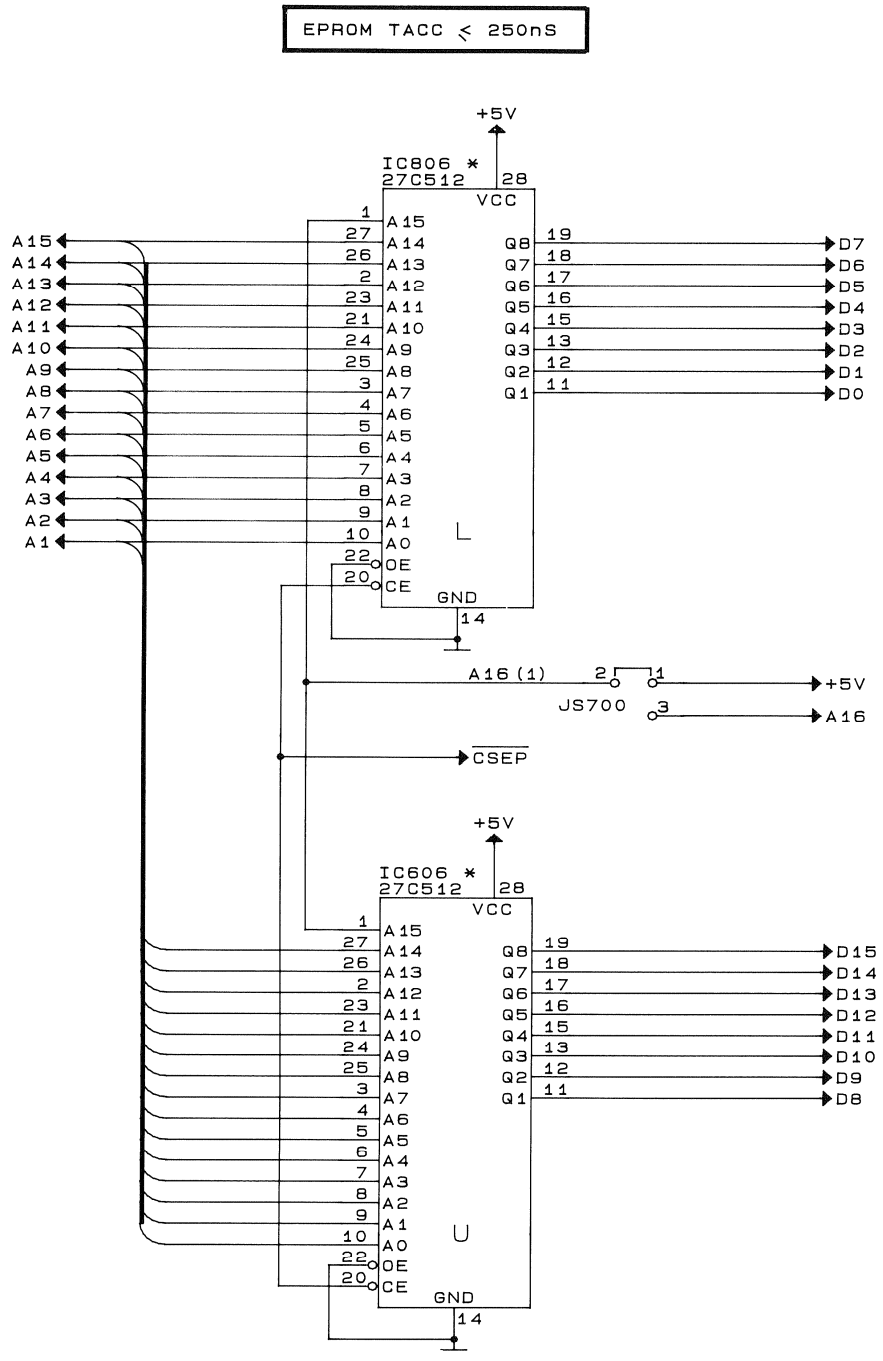
1.990.932.21



⓪ 17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 5 OF 12
STUDER	DTACK GENERATOR		SC	1.990.932.21

CPU 68000 SYSTEM EPROM

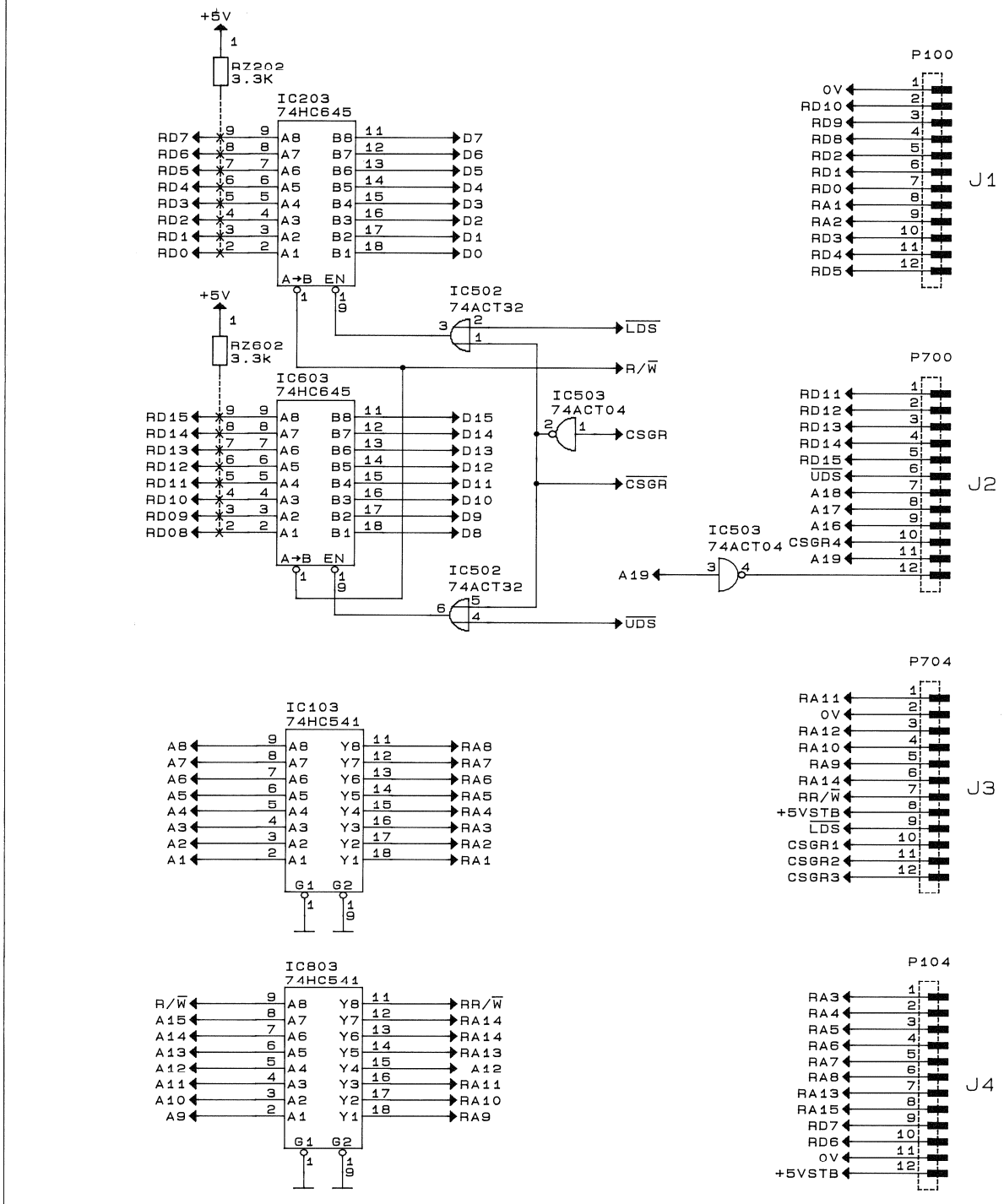
1.990.932.21



⓪ 17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 6 OF 12
STUDER	SYSTEM EPROM		SC	1.990.932.21

CPU 68000 SRAM SOCKET

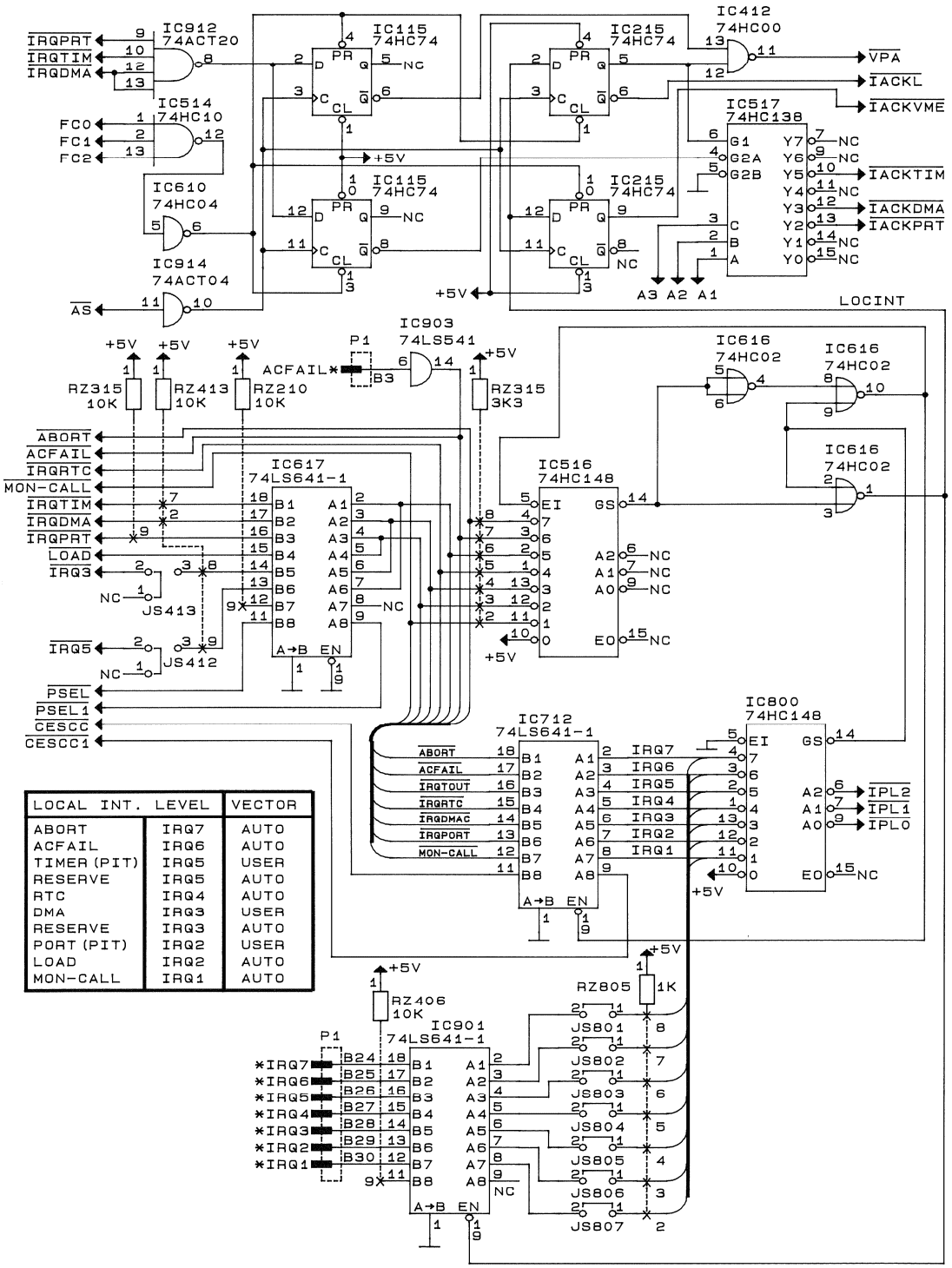
1.990.932.21



⓪17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 7 OF 12
STUDER	SRAM SOCKET		SC	1.990.932.21

CPU 68000 INTERRUPT HANDLING

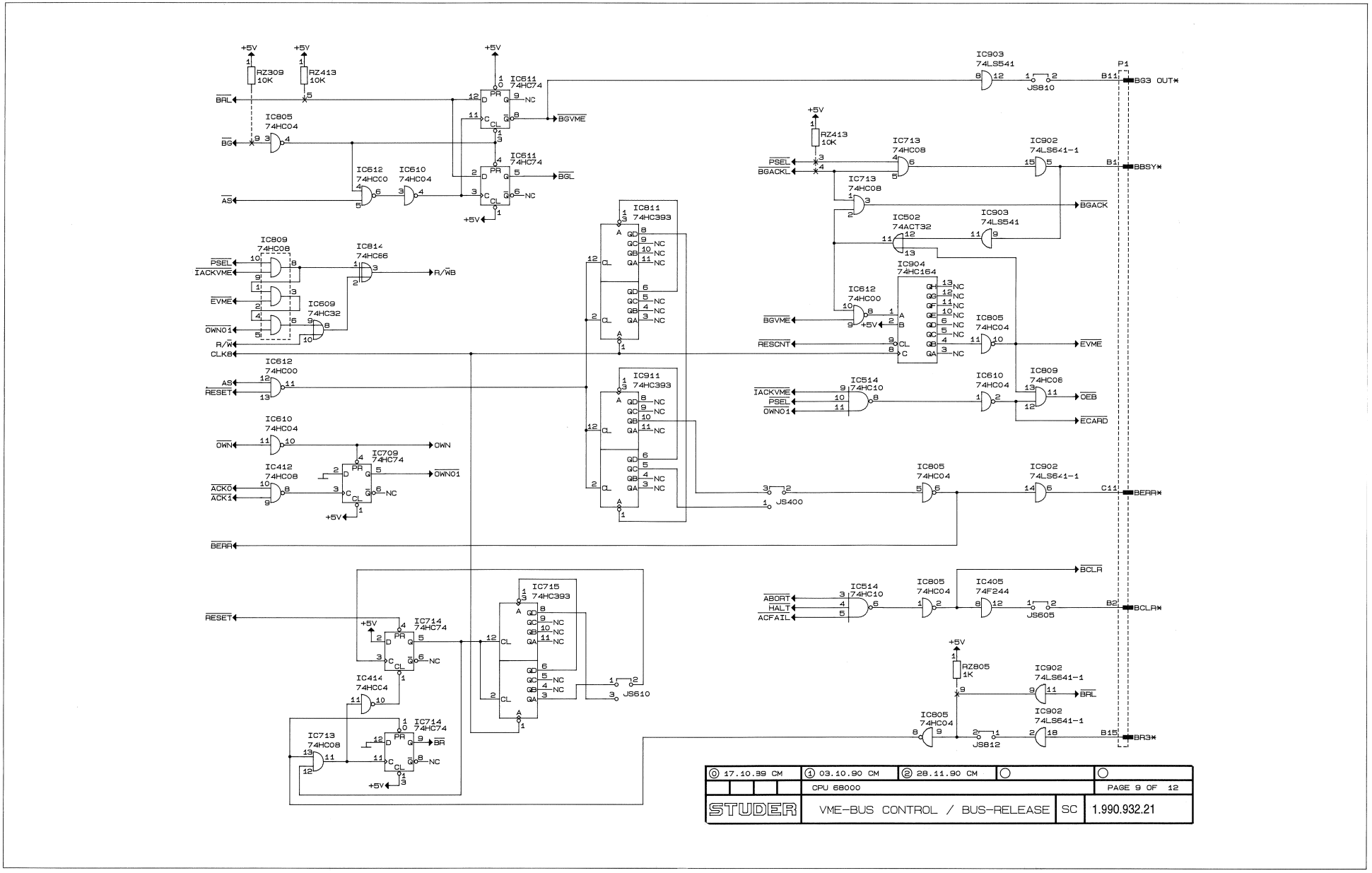
1.990.932.21



LOCAL INT.	LEVEL	VECTOR
ABORT	IRQ7	AUTO
ACFAIL	IRQ6	AUTO
TIMER (PIT)	IRQ5	USER
RESERVE	IRQ5	AUTO
RTC	IRQ4	AUTO
DMA	IRQ3	USER
RESERVE	IRQ3	AUTO
PORT (PIT)	IRQ2	USER
LOAD	IRQ2	AUTO
MON-CALL	IRQ1	AUTO

⓪ 17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 8 OF 12
STUDER	INTERRUPT HANDLING		SC	1.990.932.21

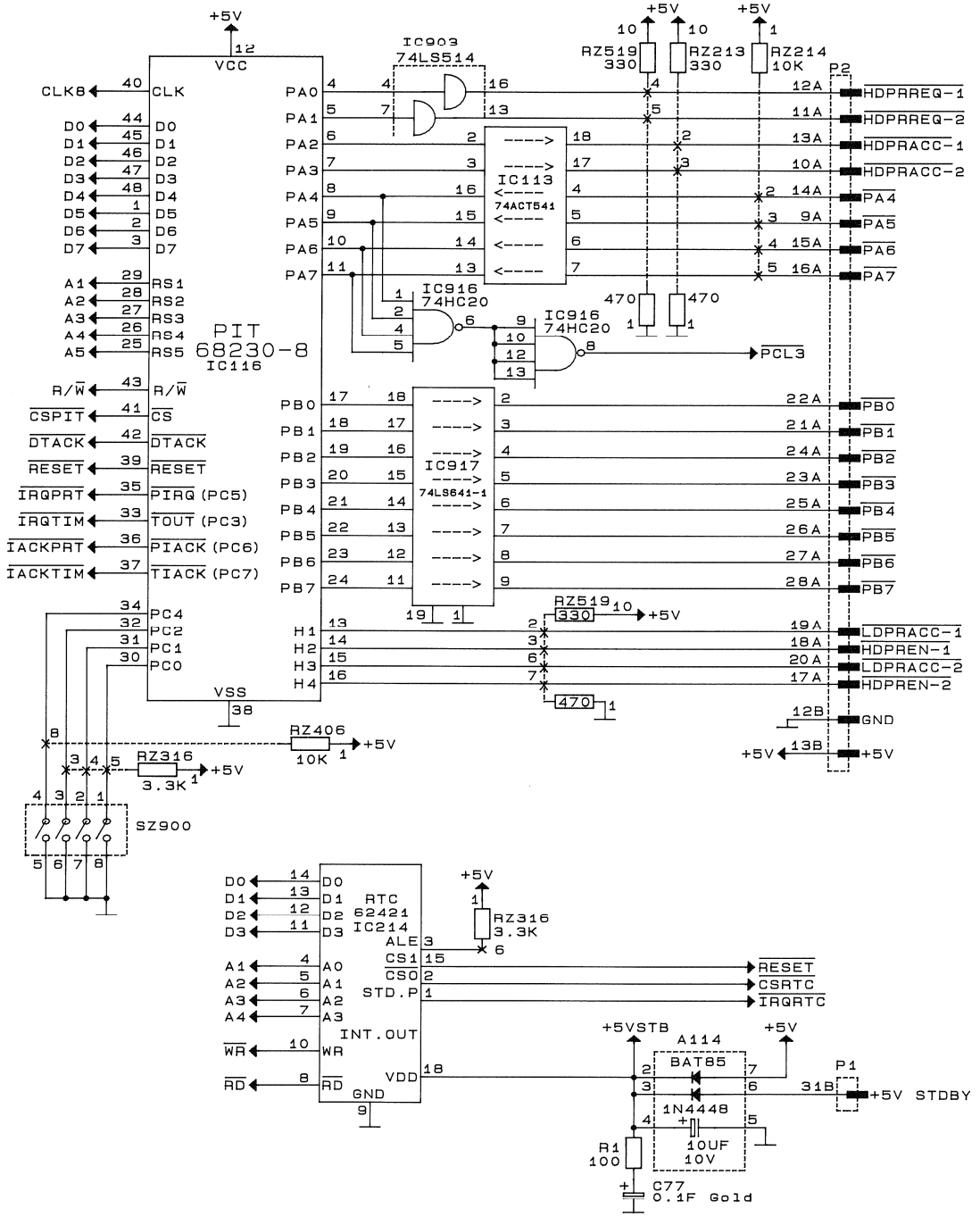
CPU 68000 VME-BUS CONTROL / BUS-RELEASE 1.990.932.21



⓪ 17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 9 OF 12
STUDER	VME-BUS CONTROL / BUS-RELEASE		SC	1.990.932.21

CPU 68000 PIT / RTC

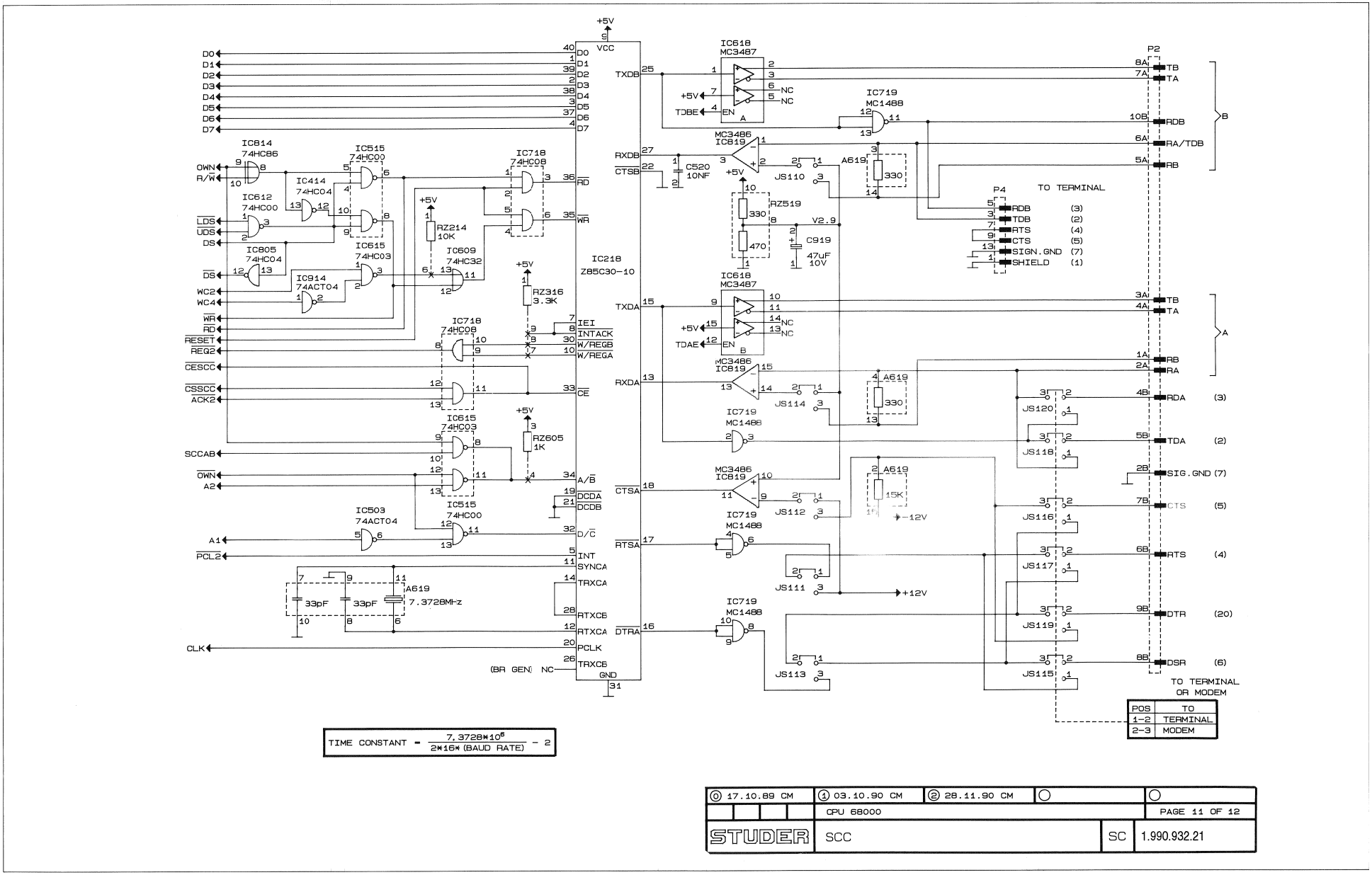
1.990.932.21



⓪ 17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 10 OF 12
STUDER	PIT / RTC		SC	1.990.932.21

CPU 68000 SCC

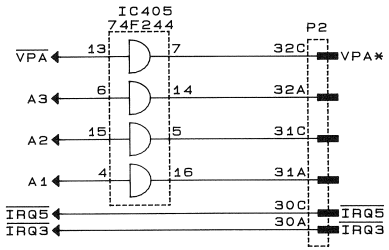
1.990.932.21



0 17.10.89 CM	1 03.10.90 CM	2 28.11.90 CM		
	CPU 68000			PAGE 11 OF 12
STUDER	SCC		SC	1.990.932.21

CPU 68000 SUPPLY CONN. / FPCP SOCKET

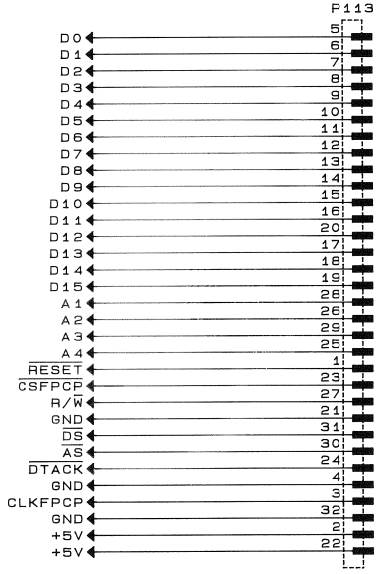
1.990.932.21



SUPPLY CONNECTIONS			
IC NO.	GND PIN	+12V PIN	-12V PIN
719	7	14	1

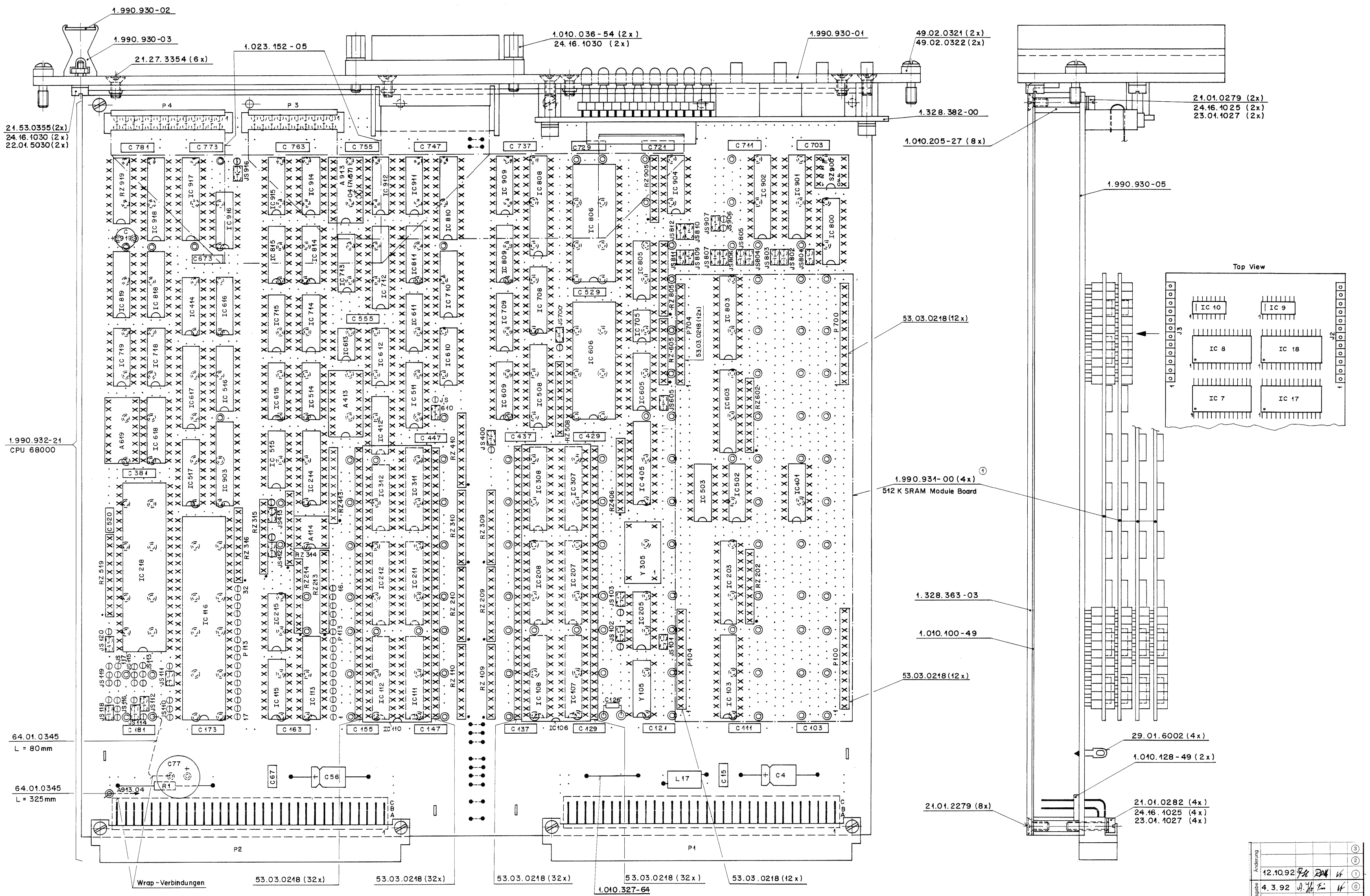
FIXED INPUT CONNECTIONS			
IC NO.	IC TYPE	to GND PIN	to +5V PIN
113	74ACT541	1.19	8.9
2C5	74HC74		10.11.12.13
4C1	74ACT32		9.10.12.13
4C5	74F244	1.19	
414	74HC04		1.3.5
5C3	74ACT04		9
511	74HC139		13.14.15
6C5	74HC74		1.2.3.4
615	74HC03		1.2
616	74HC02		11.12
713	74HC08		9.10
814	74HC86		4.5.12.13
819	MC3486		4.6.7.12
902	74LS641-1	1.19	12.13(*)
903	74LS541	1.19	
914	74ACT04		13

(*): connected to +5V thru RZ605/02 (1K).



⓪ 17.10.89 CM	① 03.10.90 CM	② 28.11.90 CM	○	○
	CPU 68000			PAGE 12 OF 12
STUDER	SUPPLY CONN. / FPCP SOCKET		SC	1.990.932.21

CPU 68000 HOST PROCESSOR 1.990.930.30



Nr. Etikette / ESE- Warnschild / Text- Etiketten aufgeklebt nach Fabrikationsmuster.

Symbol	verlötet	Gegenstand	Norm Nr.	Anzahl
⌀	◎	Front Pin	1.010.027-54	165
X	o	Kontakt Pin	1.010.028-54	1825
o	◎	Dummy Pin	1.010.029-54	285

Änderung	Datum	Gez.	Gepr.	Ges.	Index
					3
					2
	12.10.92				1
Ausgabe	4.3.92				0

Kopie für:

	Benennung	Nummer
STUDER REGENSDORF ZÜRICH	HOST PROCESSOR ESE	1.990.930-30

CPU 68000

1.990.932.21

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	A...114	1.990.896.00	Assembly 930/940 STBY1	St
	A...413	1.990.899.00	Assembly 930 RESET	St
	A...619	1.990.898.00	Assembly 930 SCC	St
	A...913	1.990.897.00	Assembly 930/940 STBY2	St
	C.....4	59.25.3470	47 uF 20%, 16V, EL	
	C....15	59.06.0683	68 nF 10%, 63V, PETP	
	C....56	59.25.3470	47 uF 20%, 16V, EL	
	C....67	59.06.0683	68 nF 10%, 63V, PETP	
	C....77	59.22.1104	0.1 F 20%, 5.5V, Gold	
	C...103	59.99.1200	68 nF 20%, 63V, PE	
	C...111	59.99.1200	68 nF 20%, 63V, PE	
	C...121	59.99.1200	68 nF 20%, 63V, PE	
21	C...126	59.34.5561	560 pF 5%, 63V, CER	
	C...129	59.99.1200	68 nF 20%, 63V, PE	
	C...137	59.99.1200	68 nF 20%, 63V, PE	
	C...147	59.99.1200	68 nF 20%, 63V, PE	
	C...155	59.99.1200	68 nF 20%, 63V, PE	
	C...163	59.99.1200	68 nF 20%, 63V, PE	
	C...173	59.99.1200	68 nF 20%, 63V, PE	
	C...181	59.99.1200	68 nF 20%, 63V, PE	
	C...381	59.99.1200	68 nF 20%, 63V, PE	
	C...429	59.99.1200	68 nF 20%, 63V, PE	
	C...437	59.99.1200	68 nF 20%, 63V, PE	
	C...447	59.99.1200	68 nF 20%, 63V, PE	
	C...520	59.06.0103	10 nF 10%, 63V, PETP	
	C...529	59.99.1200	68 nF 20%, 63V, PE	
	C...555	59.99.1200	68 nF 20%, 63V, PE	
	C...673	59.99.1200	68 nF 20%, 63V, PE	
	C...703	59.99.1200	68 nF 20%, 63V, PE	
	C...711	59.99.1200	68 nF 20%, 63V, PE	
	C...721	59.99.1200	68 nF 20%, 63V, PE	
	C...729	59.99.1200	68 nF 20%, 63V, PE	
	C...737	59.99.1200	68 nF 20%, 63V, PE	
	C...747	59.99.1200	68 nF 20%, 63V, PE	
	C...755	59.99.1200	68 nF 20%, 63V, PE	
	C...763	59.99.1200	68 nF 20%, 63V, PE	
	C...773	59.99.1200	68 nF 20%, 63V, PE	
	C...781	59.99.1200	68 nF 20%, 63V, PE	
	C...919	59.22.3470	47 uF 20%, 10V, EL	
	IC..103	50.17.1541	74 HC 541 Octal Bus Transceiver	Fc,RCA
	IC..106	50.16.0127	68 HC 000 16 Bit CPU 10 MHz	Ph,Hi,Mot
	IC..107	50.21.0244	74 F 244 Octal Bus Line Driver	Fc,Sig
21	IC..107	50.17.1541	74 HC541 Octal Bus Line Driver	
	IC..108	50.06.1645	74LS645-1 Octal Bus Transceiver	Nat,TI
	IC..110	50.16.0125	DMA 68450 Direct-Memory-Access Controler 10 MHz	Hi,Mot
	IC..111	50.17.0573	74HCT 573 Octal D-Type Latch	Mot,Ph,TI,NS,RCA
	IC..112	50.17.0645	74HCT 645 Octal Bus Transceiver	Mot,Ph,TI,NS,RCA
	IC..113	50.17.7541	74ACT 541 Octal Bus Transceiver	Fc,RCA
	IC..115	50.17.1074	74 HC 74 Dual D-Type FF w/Preset & Clear	Mot,Ph,TI
	IC..116	50.16.0150	PIT 68230 Parallel-Interface Timer 8 MHz	Ph,To,Mot
	IC..203	50.17.1645	74 HC 645 3-St. Octal Bus Transceiver Noninv.	Fc,RCA
	IC..205	50.17.1074	74 HC 74 Dual D-Type FF w. Preset and Clear	Fc,RCA
	IC..207	50.06.1645	74LS645-1 Octal Bus Transceiver	Nat,TI
	IC..208	50.06.1645	74LS645-1 Octal Bus Transceiver	Nat,TI
	IC..211	50.17.0573	74HCT 573 Octal D-Type Latch	Mot,Ph,TI,NS,RCA
	IC..212	50.17.0645	74HCT 645 Octal Bus Transceiver	Mot,Ph,TI,NS,RCA
	IC..214	50.16.0200	RTC 62421 Real Time Clock Module	Seiko Epson
	IC..215	50.17.1074	74 HC 74 Dual D-Type FF w/Preset & Clear	Mot,Ph,TI
	IC..218	50.16.0151	Z 85C30 Serial Communication Controler 10 MHz	Zy
	IC..307	50.06.1645	74LS645-1 Octal Bus Transceiver	Nat,TI
	IC..308	50.06.1645	74LS645-1 Octal Bus Transceiver	Nat,TI
	IC..311	50.17.7245	74ACT 245 Octal Bus Transceiver	FC,RCA
	IC..312	50.17.1148	74 HC 148 8-to-3 Line Priority Encoder	SGS,TI,To
	IC..401	50.17.7032	74 ACT 32 Quad 2-Input NOR Gate	Fc,RCA
	IC..405	50.21.0244	74 F 244 Octal Bus Line Driver	Fc,Sig
	IC..412	50.17.1000	74 HC 00 Quad 2-Input NAND Gate	Mot,Ph,TI,NS,RCA
	IC..414	50.17.1004	74 HC 04 Hex Inverter	Mot,Ph,TI,To,RCA
	IC..502	50.17.7032	74 ACT 32 Quad 2-Input NOR Gate	Fc,RCA
	IC..503	50.17.7004	74 ACT 04 Hex Inverter	Fc,RCA
	IC..508	50.06.1645	74LS645-1 Octal Bus Transceiver	Nat,TI
	IC..511	50.17.1139	74 HC 139 Dual 2-to-4 Line Decoder	Mot,Ph,TI,NS,RCA
	IC..514	50.17.1010	74 HC 10 Triple 3-Input NAND Gate	Mot,Ph,TI,NS,RCA
	IC..515	50.17.1000	74 HC 00 Quad 2-Input NAND Gate	Mot,Ph,TI,NS,RCA
	IC..516	50.17.1148	74 HC 148 8-to-3 Line Priority Encoder	SGS,TI,To
	IC..517	50.17.1138	74 HC 138 3-to-8 Line Decoder	Mot,Ph,TI,NS,RCA
	IC..603	50.17.1645	74 HC 645 3-St. Octal Bus Transceiver Noninv.	Fc,RCA
	IC..605	50.17.1074	74 HC 74 Dual D-Type FF w. Preset and Clear	Fc,RCA
	IC..606	. .	not tipped	St
	IC..609	50.17.1032	74 HC 32 Quad 2-Input NOR Gate	Mot,Ph,TI,NS,RCA
	IC..610	50.17.1004	74 HC 04 Hex Inverter	Mot,Ph,TI,To,RCA
	IC..611	50.17.1074	74 HC 74 Dual D-Type FF w/Preset & Clear	Mot,Ph,TI
	IC..612	50.17.1000	74 HC 00 Quad 2-Input NAND Gate	Mot,Ph,TI,NS,RCA
	IC..613	50.11.0122	TL 7705 Reset Generator	TI

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	IC..615	50.17.1003	74 HC 03 Quad 2-Input NAND Gate	Mot,NS,TI
	IC..616	50.17.1002	74 HC 02 Quad 2-Input NOR Gate	Mot,NS,TI
	IC..617	50.06.1641	74LS641-1 Octal Bus Transceiver	Sig,TI
	IC..618	50.15.0105	MC 3487 Quad Line Driver RS422	Mot,NS
	IC..705	50.05.0203	SN 75463 Dual 2-Input OR Driver	NS,TI
	IC..708	50.17.1133	74 HC 133 13-Input NAND Gate	Mot,TI,NS,To
	IC..709	50.17.1074	74 HC 74 Dual D-Type FF w/Preset & Clear	Mot,Ph,TI
	IC..710	50.17.7138	74ACT 138 3-to-8 Line Decoder	RCA
	IC..712	50.06.1641	74LS641-1 Octal Bus Transceiver	Sig,TI
	IC..713	50.17.1008	74 HC 08 Quad 2-Input NAND Gate	Mot,Ph,TI,NS,RCA
	IC..714	50.17.1074	74 HC 74 Dual D-Type FF w/Preset & Clear	Mot,Ph,TI
	IC..715	50.17.1393	74 HC 393 Dual Binary Counter	Mot,Ph,TI,NS,RCA
	IC..718	50.17.1008	74 HC 08 Quad 2-Input NAND Gate	Mot,Ph,TI,NS,RCA
	IC..719	50.15.0106	MC 1488 Quad Line Driver RS 232	Mot
	IC..800	50.17.1148	74 HC 148 8-to-3 Line Priority Encoder	SGS,TI,To
	IC..803	50.17.1541	74 HC 541 Octal Bus Transceiver	Fc,RCA
	IC..805	50.17.1004	74 HC 04 Hex Inverter	Mot,Ph,TI,To,RCA
	IC..806	. .	not tipped	St
	IC..808	1.990.995.20	GAL ADDR DECODER	St
	IC..809	50.17.1008	74 HC 08 Quad 2-Input NAND Gate	Mot,Ph,TI,NS,RCA
	IC..810	1.990.994.20	GAL PON VECTOR	St
	IC..811	50.17.1393	74 HC 393 Dual Binary Counter	Mot,Ph,TI,NS,RCA
	IC..814	50.17.1086	74 HC 86 Quad 2-Input EXOR Gate	Mot,Ph,TI,NS,RCA
	IC..815	50.17.1003	74 HC 03 Quad 2-Input NAND Gate	Mot,NS,TI
	IC..818	50.06.0279	74 LS 279 Quad S-R Latch	Nat,TI
	IC..819	50.15.0104	MC 3486 Quad Line Receiver RS 422/423	Mot,NS
	IC..901	50.06.1641	74LS641-1 Octal Bus Transceiver	Sig,TI
	IC..902	50.06.1641	74LS641-1 Octal Bus Transceiver	Sig,TI
	IC..903	50.06.0541	74 LS 541 Octal Buffer/Line Driver	Mot,TI
	IC..904	50.17.1164	74 HC 164 8 Bit SI/PO Shift Register	Mot,Ph,TI,NS,RCA
	IC..909	50.17.7002	74 ACT 02 Quad 2-Input NOR Gate	Fc,RCA
	IC..911	50.17.1393	74 HC 393 Dual Binary Counter	Mot,Ph,TI,NS,RCA
	IC..912	50.17.7020	74 ACT 20 Dual 4-Input NAND Gate	Fc,RCA
	IC..914	50.17.7004	74 ACT 04 Hex Inverter	Fc,RCA
	IC..915	50.17.7164	74ACT 164 8 Bit SI/PO Shift Register	Fc,RCA
	IC..916	50.17.1020	74 HC 20 Dual 4-Input NAND Gate	Fc,RCA
	IC..917	50.06.1641	74LS641-1 Octal Bus Transceiver	Sig,TI
	IC..918	50.17.7574	74ACT 574 Octal D-Type Flip-Flop	Fc,RCA
	JS..101	54.01.0021	see note 1	
	JS..102	54.01.0021	see note 2	
	JS..103	54.01.0021	see note 2	
	JS..110	54.01.0021	see note 8	
	JS..111	54.01.0021	see note 2	
	JS..112	54.01.0021	see note 2	
	JS..113	54.01.0021	see note 8	
	JS..114	54.01.0021	see note 2	
	JS..115	54.01.0021	see note 8	
	JS..116	54.01.0021	see note 8	
	JS..117	54.01.0021	see note 8	
	JS..118	54.01.0021	see note 2	
	JS..119	54.01.0021	see note 8	
	JS..120	54.01.0021	see note 2	
	JS..400	54.01.0021	see note 2	
	JS..412	54.01.0021	see note 2	
	JS..413	54.01.0021	see note 2	
	JS..605	54.01.0021	see note 1	
	JS..610	54.01.0021	see note 2	
	JS..700	54.01.0021	see note 2	
	JS..801	54.01.0021	see note 1	
	JS..802	54.01.0021	see note 1	
	JS..803	54.01.0021	see note 1	
	JS..804	54.01.0021	see note 1	
	JS..805	54.01.0021	see note 1	
	JS..806	54.01.0021	see note 1	
	JS..807	54.01.0021	see note 1	
	JS..809	54.01.0021	see note 1	
	JS..810	54.01.0021	see note 1	
	JS..811	54.01.0021	see note 1	
	JS..812	54.01.0021	see note 1	
	JS..906	. .	see note 7	
	JS..907	54.01.0021	see note 1	
	JS..916	54.01.0021	see note 2	
	L....17	62.01.0115	Wide-Band Choke	
	P.....1	54.01.0354	3*32 pins Angled Wrap Male Eurocard-Connector	
	P.....2	54.01.0354	3*32 pins Angled Wrap Male Eurocard-Connector	
	P.....3	. .	2*10 pins see note 3	
	P.....4	. .	2*13 pins see note 4	
	P...100	. .	1*12 pins see note 6	
	P...104	. .	1*12 pins see note 6	
	P...113	. .	2*16 pins see note 5	
	P...700	. .	1*12 pins see note 6	
	P...704	. .	1*12 pins see note 6	
	R.....1	57.11.3101	100 Ohm Resistor, 0207, 1%, MF	
	RZ..109	57.88.4332	3,3Kohm Network, 8*R, 2%, SIP9	
	RZ..110	57.88.4103	10 Kohm Network, 8*R, 2%, SIP9	

CPU 68000

1.990.932.21

Ad	..POS..	...REF.No...	DESCRIPTION	.....MANUFACTURER
	RZ..202	57.88.4332	3,3Kohm Network, 8*R, 2%, SIP9	
	RZ..209	57.88.4332	3,3Kohm Network, 8*R, 2%, SIP9	
	RZ..210	57.88.4103	10 Kohm Network, 8*R, 2%, SIP9	
	RZ..213	57.80.4001	330/470 Network 16*R, 2%, SIP10	
01	RZ..214	57.88.4103	10 Kohm Network, 8*R, 2%, SIP9	
	RZ..309	57.88.4332	3,3Kohm Network, 8*R, 2%, SIP9	
	RZ..310	57.88.4103	10 Kohm Network, 8*R, 2%, SIP9	
	RZ..314	57.88.4103	10 Kohm Network, 8*R, 2%, SIP9	
	RZ..315	57.88.4332	3,3Kohm Network, 8*R, 2%, SIP9	
02	RZ..316	57.88.4332	3,3Kohm Network, 8*R, 2%, SIP9	
	RZ..406	57.88.4103	10 Kohm Network, 8*R, 2%, SIP9	
	RZ..410	57.88.4332	3,3Kohm Network, 8*R, 2%, SIP9	
	RZ..413	57.88.4103	10 Kohm Network, 8*R, 2%, SIP9	
	RZ..508	57.88.4332	3,3Kohm Network, 8*R, 2%, SIP9	
	RZ..519	57.80.4001	330/470 Network 16*R, 2%, SIP10	
	RZ..602	57.88.4332	3,3Kohm Network, 8*R, 2%, SIP9	
	RZ..605	57.88.2102	1 Kohm Network, 4*R, 2%, SIP8	
	RZ..805	57.88.4102	1 Kohm Network, 8*R, 2%, SIP9	
	RZ..905	57.88.2223	22 Kohm Network, 4*R, 2%, SIP8	
	RZ..919	57.88.3331	330 Ohm Network, 8*R, 2%, DIL16	
	SZ..900	55.01.0164	4 * A DIL Switch	
	Y...105	89.01.1800	16 MHz Quarz Oscillator	
	Y...305	89.01.1805	20 MHz Quarz Oscillator	

note 1: The jumper consists of 1 pc. Bridge Connector (# 54.01.0021) plugged into 2 pcs. Front Pin (# 1.010.027.54).

note 2: The jumper consists of 1 pc. Bridge Connector (# 54.01.0021) plugged into 2-of-3 pcs. Front Pin (# 1.010.027.54).

note 3: P3 consists of 2 * 10 pcs. Front Pin (# 1.010.027.54).

note 4: P4 consists of 2 * 13 pcs. Front Pin (# 1.010.027.54).

note 5: P113 consists of 2 * 16 pcs. Front Pin (# 1.010.027.54).

note 6: The SRAM-Module socket consists of 4 * 12 pcs. Socket Strips (# 53.03.0218).

note 7: The jumper consists of 2 pcs. Front Pin (# 1.010.027.54).

note 8: The jumper consists of 3 pcs. Front Pin (# 1.010.027.54).

Each one of devices IC 106 (68HC000) and IC 110 (DMA 68450) is plugged into 2 * 32 pcs. Socket Strips (# 53.03.0218).

Index (01) : Resistor 8 * 1K, SIP9, (# 57.88.4102) is replaced by
(03.10.90) resistor 8 * 10K, SIP9, (# 57.88.4103).

Index (02) : Resistor 8 * 10K, SIP9, (# 57.88.4103) is replaced by
(28.11.90) resistor 8 * 3.3K, SIP9, (# 57.88.4332).

Index (21) : IC 107 74F244 is replaced by 74HC541 and C 126, 560 pF
(04.03.92) added.

EL=Electrolytic, PETP=Polyester, PE=Polyaethylen, MF=Metal Film

Manufacturers :

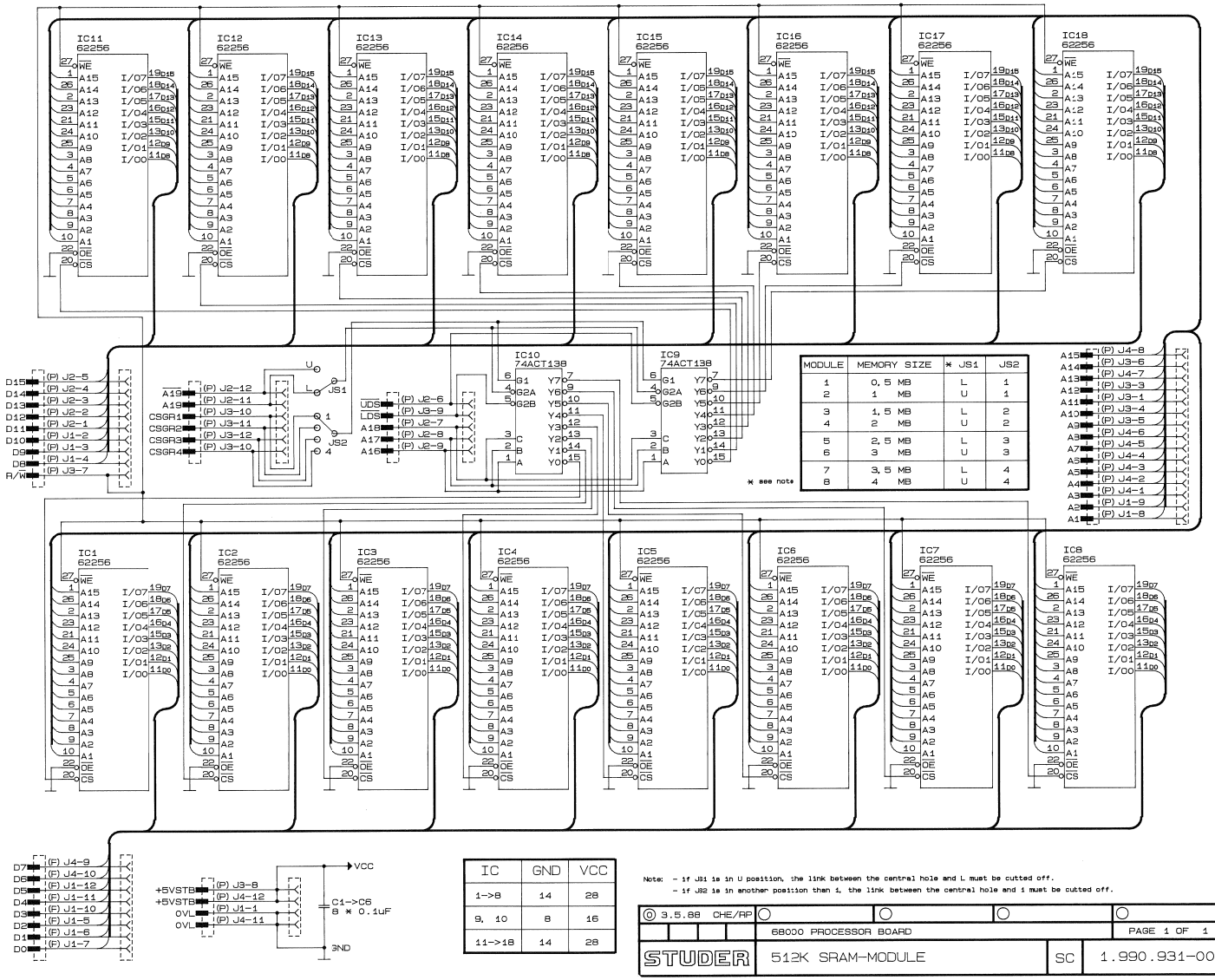
Fc = + Fairchild (at present National Semiconductor)
Hi = Hitachi
Mot = Motorola
NS = National Semiconductors
Ph = Philips (incl. Valvo)
RCA = Radio Corporation of America
SGS = + SGS (at present SGS-Thomson Microelectronics)
Sig = Signetics (Philips)
St = Studer (-Revox; -International)
TI = Texas Instruments
To = Toshiba
Zy = Zylog

1.990.932.20 CPU 68000 CM90/11/2802

1.990.932.21 CPU 68000 CM92/04/0321

512K SRAM-MODULE

1.990.931.00



MODULE	MEMORY SIZE	* JS1	JS2
1	0,5 MB	L	1
2	1 MB	U	1
3	1,5 MB	L	2
4	2 MB	U	2
5	2,5 MB	L	3
6	3 MB	U	3
7	3,5 MB	L	4
8	4 MB	U	4

IC	GND	VCC
1->8	14	28
9, 10	8	16
11->18	14	28

Note: - if JS1 is in U position, the link between the central hole and L must be cutted off.
- if JS2 is in another position than 1, the link between the central hole and 1 must be cutted off.

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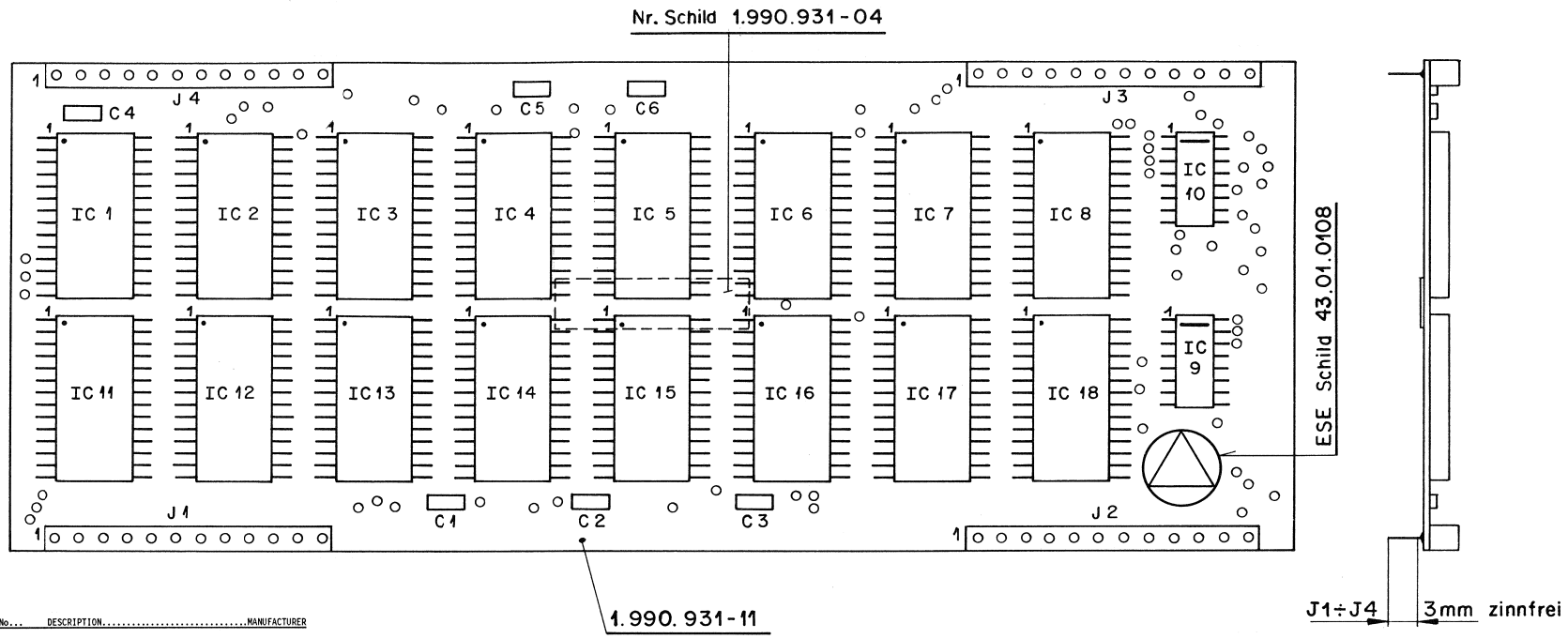
	68000 PROCESSOR BOARD			PAGE 1 OF 1
STUDER	512K SRAM-MODULE		SC	1.990.931-00

512K SRAM-MODULE BOARD

1.990.931.00



Ad	..POS..	...REF.No...		DESCRIPTION.....	MANUFACTURER
	C.....1	59.60.1104	100 n	10%, X7R , CER	
	C.....2	59.60.1104	100 n	10%, X7R , CER	
	C.....3	59.60.1104	100 n	10%, X7R , CER	
	C.....4	59.60.1104	100 n	10%, X7R , CER	
	C.....5	59.60.1104	100 n	10%, X7R , CER	
	C.....6	59.60.1104	100 n	10%, X7R , CER	
	IC....1	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC....2	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC....3	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC....4	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC....5	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC....6	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC....7	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC....8	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC....9	50.62.6138	74 ACT138	SC 3-to-8 line Decoder.	Ti,NS
	IC...10	50.62.6138	74 ACT138	SC 3-to-8 line Decoder.	Ti,NS
	IC...11	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC...12	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC...13	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC...14	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC...15	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC...16	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC...17	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	IC...18	50.63.1503	62256	LFP-10 SRAM , 32 k * 8	Hi,To
	J.....1	. .		SEE NOTE 1	
	J.....2	. .		SEE NOTE 1	
	J.....3	. .		SEE NOTE 1	
	J.....4	. .		SEE NOTE 1	

NOTE 1 : J1 .... J4 : 12 PINS ASSEMBLY (SINGLE PIN PART NR. 53.03.0218)

CER=Ceramic.

MANUFACTURERS :

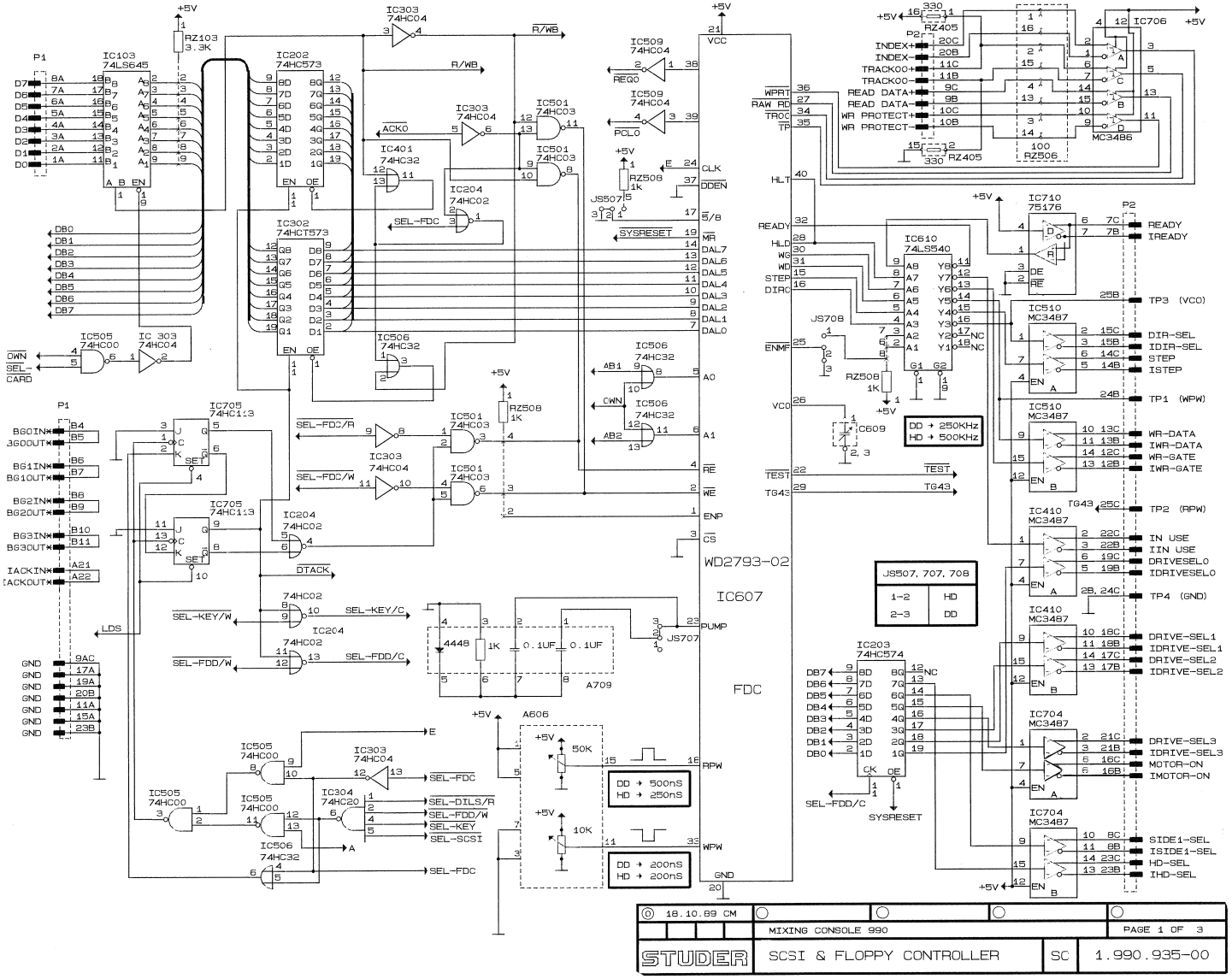
Hi = Hitachi
To = Toshiba
TI = Texas Instruments
NS = National Semiconductor

1.990.931-00 512K SRAM-MODULE RP88/05/0500

⓪28.11.89			
STUDER REGENSDORF ZURICH	512K SRAM-MODULE BOARD	ESE	1.990.931-00

SCSI & FLOPPY CONTROLLER

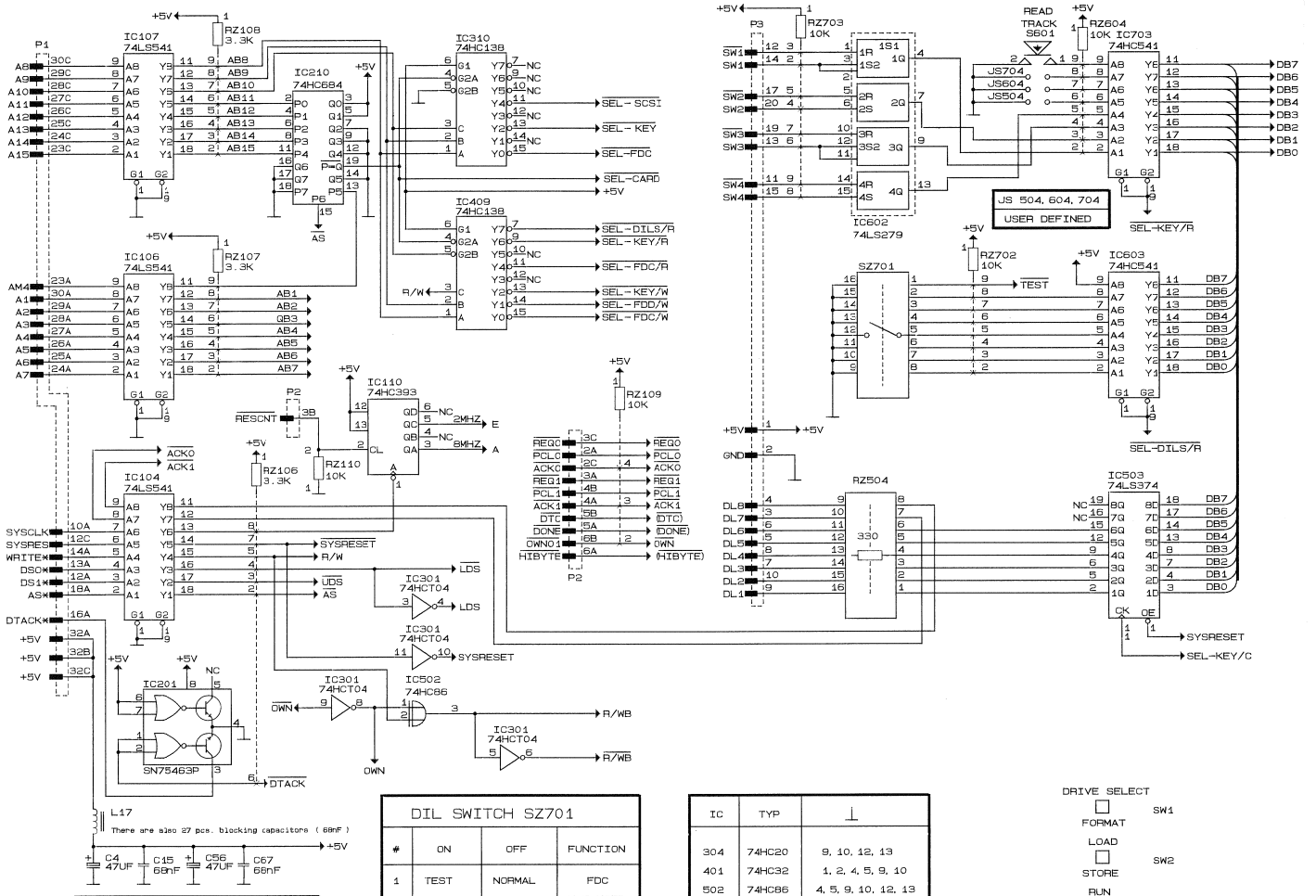
1.990.935.00



18.10.89 CM				
	MIXING CONSOLE 990			PAGE 1 OF 3
STUDER	SCSI & FLOPPY CONTROLLER	SC	1.990.935-00	

SCSI & FLOPPY CONTROLLER

1.990.935.00



ADDRESS MAP		
DEVICE	ADDRESS	R/W
FDC	FF1801H–FF1807H	R/W
FDD	FF1901H	W
KEYB	FF1A01H	R/W
DILS	FF1B01H	R
SCSI	FF1C01H–FF1C0FH	R/W

DIL SWITCH SZ701			
#	ON	OFF	FUNCTION
1	TEST	NORMAL	FDC
2			NOT USED
3	SIDE 1	SIDE 0	READ TR
4	40TR	80TR	DRIVE 3
5	40TR	80TR	DRIVE 2
6	40TR	80TR	DRIVE 1
7	40TR	80TR	DRIVE 0
8	AUTO	BY KEY	LOAD

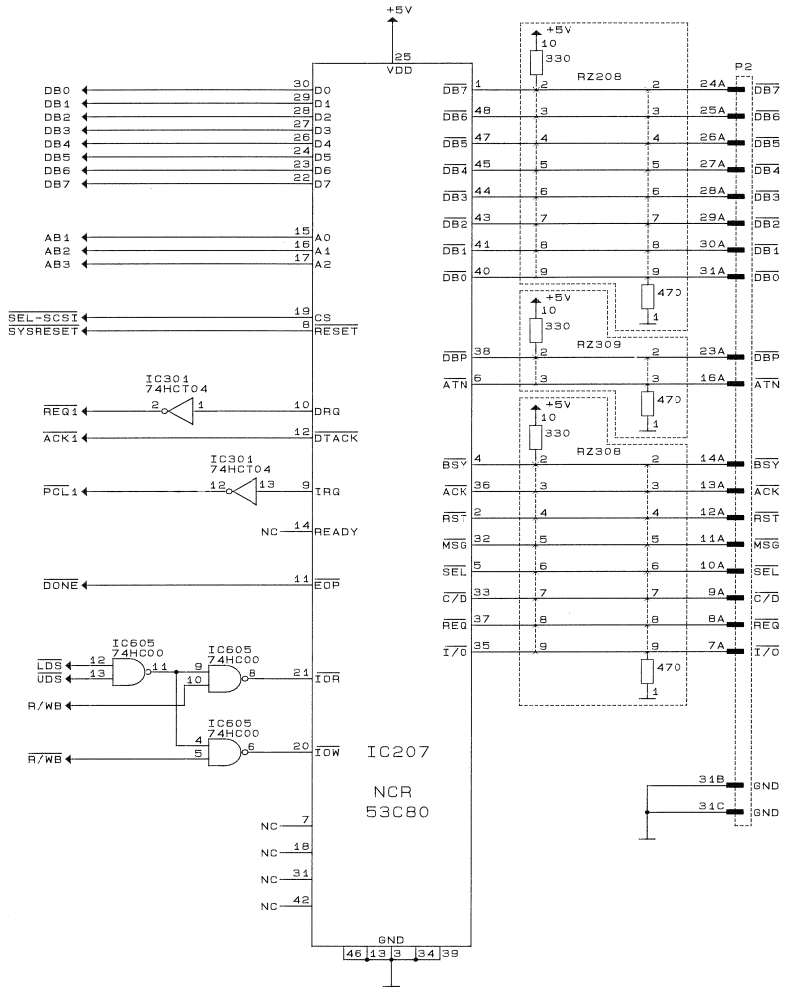
IC	TYP	⊥
304	74HC20	9, 10, 12, 13
401	74HC32	1, 2, 4, 5, 9, 10
502	74HC86	4, 5, 9, 10, 12, 13
605	74HC00	1, 2

DRIVE SELECT
FORMAT SW1
LOAD SW2
STORE
RUN SW3
SHIFT SW4

EDITION: NOVEMBER 1993

SCSI & FLOPPY CONTROLLER

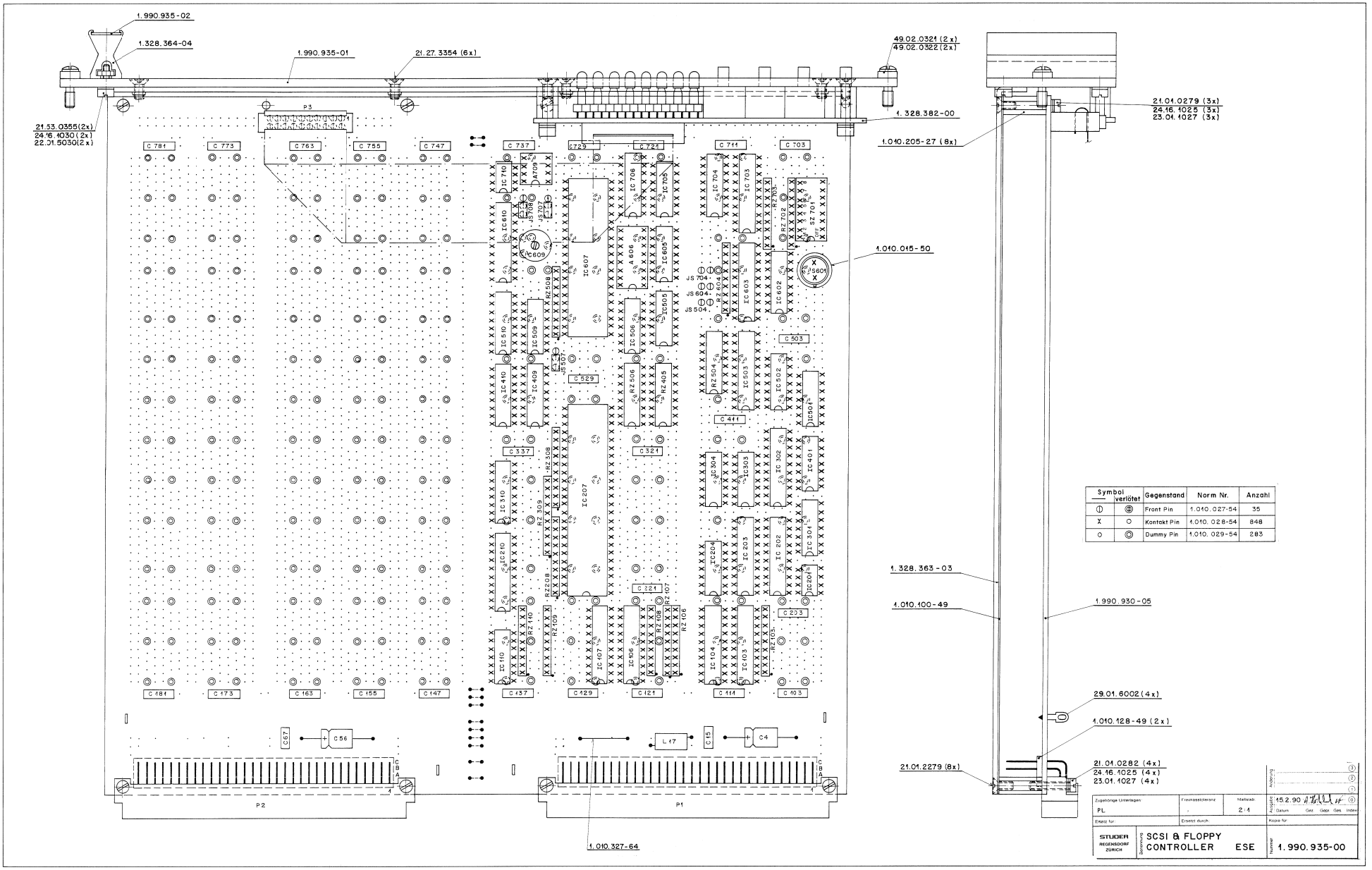
1.990.935.00



18.10.89 CM				
	MIXING CONSOLE 990			PAGE 3 OF 3
STUDER	SCSI & FLOPPY CONTROLLER		SC	1.990.935-00

SCSI & FLOPPY CONTROLLER ESE

1.990.935.00



Symbol	verlötet	Gegenstand	Norm Nr.	Anzahl
ⓘ	ⓑ	Front Pin	1.010.027-54	35
X	○	Kontakt Pin	1.010.028-54	848
○	◎	Dummy Pin	1.010.029-54	283

Zugehörige Unterlagen: PL	Freimasstoleranz: -	Maßstab: 2:1	Änderung / Ausgabe: 15.2.90	
Ersetz für:	Ersetzt durch:		Datum / Gez. / Gepr. / Ges. / Index	
STUDER REGENSDORF ZÜRICH	Benennung: SCSI & FLOPPY CONTROLLER ESE		Kopie für: Nummer: 1.990.935-00	

SCSI & FLOPPY CONTROLLER

1.990.935.00

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
A...606		1.328.391.00	ASSEMBLY 363-RPW/WPW	
A...709		1.990.889.00	ASSEMBLY 935 PUMP	
C.....4		59.25.3470	47 u -20%, 16V , EL	
C....16		59.06.0683	.068 u 10%, 63V , PETP	
C....56		59.25.3470	47 u -20%, 16V , EL	
C....67		59.06.0683	.068 u 10%, 63V , PETP	
C...103		59.99.1200	.068 u 20%, 63V , PE	
C...111		59.99.1200	.068 u 20%, 63V , PE	
C...121		59.99.1200	.068 u 20%, 63V , PE	
C...129		59.99.1200	.068 u 20%, 63V , PE	
C...137		59.99.1200	.068 u 20%, 63V , PE	
C...147		59.99.1200	.068 u 20%, 63V , PE	
C...155		59.99.1200	.068 u 20%, 63V , PE	
C...163		59.99.1200	.068 u 20%, 63V , PE	
C...173		59.99.1200	.068 u 20%, 63V , PE	
C...181		59.99.1200	.068 u 20%, 63V , PE	
C...203		59.99.1200	.068 u 20%, 63V , PE	
C...221		59.99.1200	.068 u 20%, 63V , PE	
C...321		59.99.1200	.068 u 20%, 63V , PE	
C...337		59.99.1200	.068 u 20%, 63V , PE	
C...411		59.99.1200	.068 u 20%, 63V , PE	
C...503		59.99.1200	.068 u 20%, 63V , PE	
C...529		59.99.1200	.068 u 20%, 63V , PE	
C...609		59.18.0102	5.5-65 pF Trimmer	
C...703		59.99.1200	.068 u 20%, 63V , PE	
C...711		59.99.1200	.068 u 20%, 63V , PE	
C...721		59.99.1200	.068 u 20%, 63V , PE	
C...729		59.99.1200	.068 u 20%, 63V , PE	
C...737		59.99.1200	.068 u 20%, 63V , PE	
C...747		59.99.1200	.068 u 20%, 63V , PE	
C...755		59.99.1200	.068 u 20%, 63V , PE	
C...763		59.99.1200	.068 u 20%, 63V , PE	
C...773		59.99.1200	.068 u 20%, 63V , PE	
C...781		59.99.1200	.068 u 20%, 63V , PE	
IC..103		50.06.0645	74 LS 645 Octal BUS Tranceiver NonInv.	MOT,TI
IC..104		50.06.0541	74 LS 541 Octal Buffer/Line Driver	MOT,TI
IC..106		50.06.0541	74 LS 541 Octal Buffer/Line Driver	MOT,TI
IC..107		50.06.0541	74 LS 541 Octal Buffer/Line Driver	MOT,TI
IC..110		50.17.1393	74 HC 393 Dual 4-stage Binary Ripple Counter	MOT,TI
IC..201		50.05.0203	75463 Dual Driver oc. OR	MOT,TI
IC..202		50.17.1573	74 HC 573 Octal D-Type Latch	MOT,TI
IC..203		50.17.1574	74 HC 574 Octal D-Type FLIP-FLOP	MOT,TI
IC..204		50.17.1002	74 HC 02 Quad 2-Input NOR Gate	MOT,TI
IC..207		50.16.0700	NCR 53C80 SCSI BUS Controller	LDI,NCR,Sam
IC..210		50.17.1684	74 HC 684 8 Bit Magnitude Comparator	MOT,TI
IC..301		50.17.0004	74 HCT 04 Hex Inverter	MOT,TI
IC..302		50.17.0573	74 HCT573 Octal D-Type FLIP-FLOP	MOT,TI
IC..303		50.17.1004	74 HC 04 Hex Inverter	MOT,TI
IC..304		50.17.1020	74 HC 20 Dual 4-Input NAND Gate	MOT,TI
IC..310		50.17.1138	74 HC 138 3-to-8 Line Decoder	MOT,TI
IC..401		50.17.1032	74 HC 32 Quad 2-Input OR Gate	MOT,TI
IC..409		50.17.1138	74 HC 138 3-to-8 Line Decoder	MOT,TI
IC..410		50.15.0105	MC 3487 Quad Line Driver RS422	MOT,TI
IC..501		50.17.1003	74 HC 03 Quad 2-Input NAND Gate	MOT,TI
IC..502		50.17.1086	74 HC 86 Quad 2-Input EXOR Gate	MOT,TI
IC..503		50.06.0374	74 LS 374 Octal D-Type FLIP-FLOP	MOT,TI
IC..505		50.17.1000	74 HC 00 Quad 2-Input NAND Gate	MOT,TI
IC..506		50.17.1032	74 HC 32 Quad 2-Input OR Gate	MOT,TI
IC..509		50.17.1004	74 HC 04 Hex Inverter	MOT,TI
IC..510		50.15.0105	MC 3487 Quad Line Driver RS422	MOT,TI
IC..602		50.06.0279	74 LS 279 Quad S-R Latches	MOT,TI
IC..603		50.17.1541	74 HC 541 Octal Buffer/Line Driver	MOT,TI
IC..605		50.17.1000	74 HC 00 Quad 2-Input NAND Gate	MOT,TI
IC..607		50.16.0126	WD 2793 Floppy Disk Formatter/Controller	WD
IC..610		50.06.0540	74 LS 540 Octal Buffer/Line Driver	MOT,TI
IC..703		50.17.1541	74 HC 541 Octal Buffer/Line Driver	MOT,TI
IC..704		50.15.0105	MC 3487 Quad Line Driver RS422	MOT,TI
IC..705		50.17.1113	74 HC 113 Dual J-K FLIP-FLOP with Presset	MOT,TI
IC..706		50.15.0104	MC 3486 Quad Line Receiver RS 422/423	MOT,TI
IC..710		50.15.0115	75176 Differential BUS Transceiver	MOT,TI
JS..504		. .	see note 1	
JS..507		. .	see note 2	
JS..604		. .	see note 1	
JS..704		. .	see note 1	
JS..707		. .	see note 2	
JS..708		. .	see note 2	
L....17		62.01.0115	Wide-Band Choke	
P.....1		54.01.0354	3*32 pins Angled Wrap Male Eurocard Connector	
P.....2		54.01.0354	3*32 pins Angled Wrap Male Eurocard Connector	
P.....3		. .	2*10 pins see note 3	
RZ..103		57.88.4332	3.3 k Resistor Network 2% SIP9	
RZ..106		57.88.4332	3.3 k Resistor Network 2% SIP9	
RZ..107		57.88.4332	3.3 k Resistor Network 2% SIP9	
RZ..108		57.88.4332	3.3 k Resistor Network 2% SIP9	
RZ..109		57.88.4103	10 k Resistor Network 2% SIP9	
RZ..110		57.88.4103	10 k Resistor Network 2% SIP9	
RZ..208		57.80.4001	330/470 Resistor Network 2% SIP10	
RZ..308		57.80.4001	330/470 Resistor Network 2% SIP10	
RZ..309		57.80.4001	330/470 Resistor Network 2% SIP10	
RZ..405		57.88.3331	330 Resistor Network 2% DIL16	
RZ..504		57.88.4331	330 Resistor Network 2% DIL16	
RZ..506		57.88.3101	100 Resistor Network 2% DIL16	
RZ..508		57.88.4102	1 k Resistor Network 2% SIP9	
RZ..604		57.88.4103	10 k Resistor Network 2% SIP9	
RZ..702		57.88.4103	10 k Resistor Network 2% SIP9	
RZ..703		57.88.4103	10 k Resistor Network 2% SIP9	
S...601		55.03.0122	1 * A Momentary Switch	
SZ..701		55.01.0168	8 * A DIL Switch	

note 1: The Jumper consists of 1 pc. Bridge Connector (# 54.01.0021) plugged into 2 pcs. Front Pin (# 1.010.027.54).

note 2: The Jumper consists of 1 pc. Bridge Connector (# 54.01.0021) plugged into 2-of-3 pcs. Front Pin (# 1.010.027.54).

note 3: P 3 consists of 2 * 10 pcs. Front Pin (# 1.010.027.54).

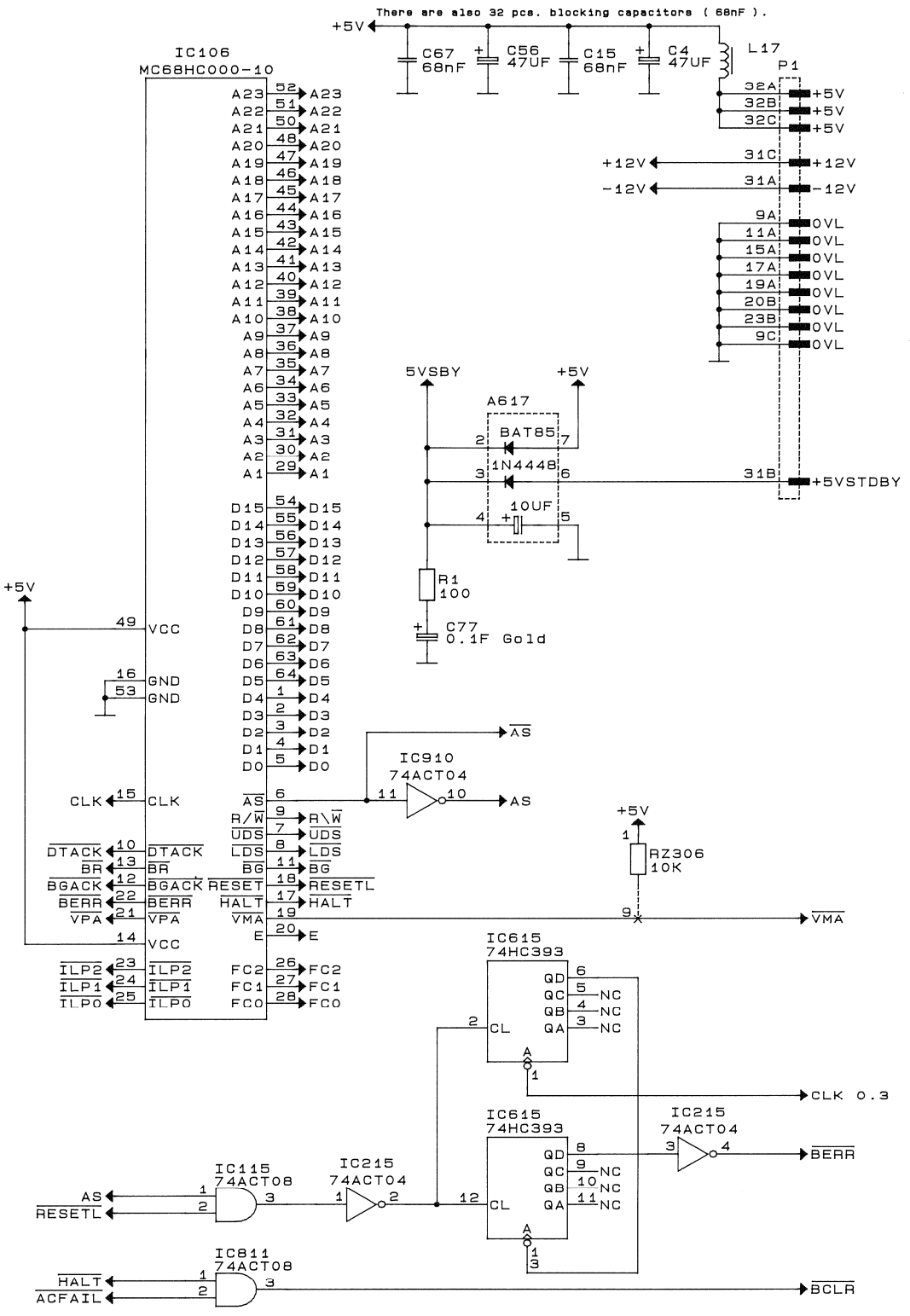
Manufacturers: Mot=Motorola, NS=National Semiconductors, Ti=Texas Instruments, LDI=Logig Devices Inc., NCR=NCR Corporation, Sam=Samsung

1.990.935-00 SCSI & FLOPPY CONTROLLER RP88/06/2300

END

HDLC CONTROLLER CPU + SUPPLY

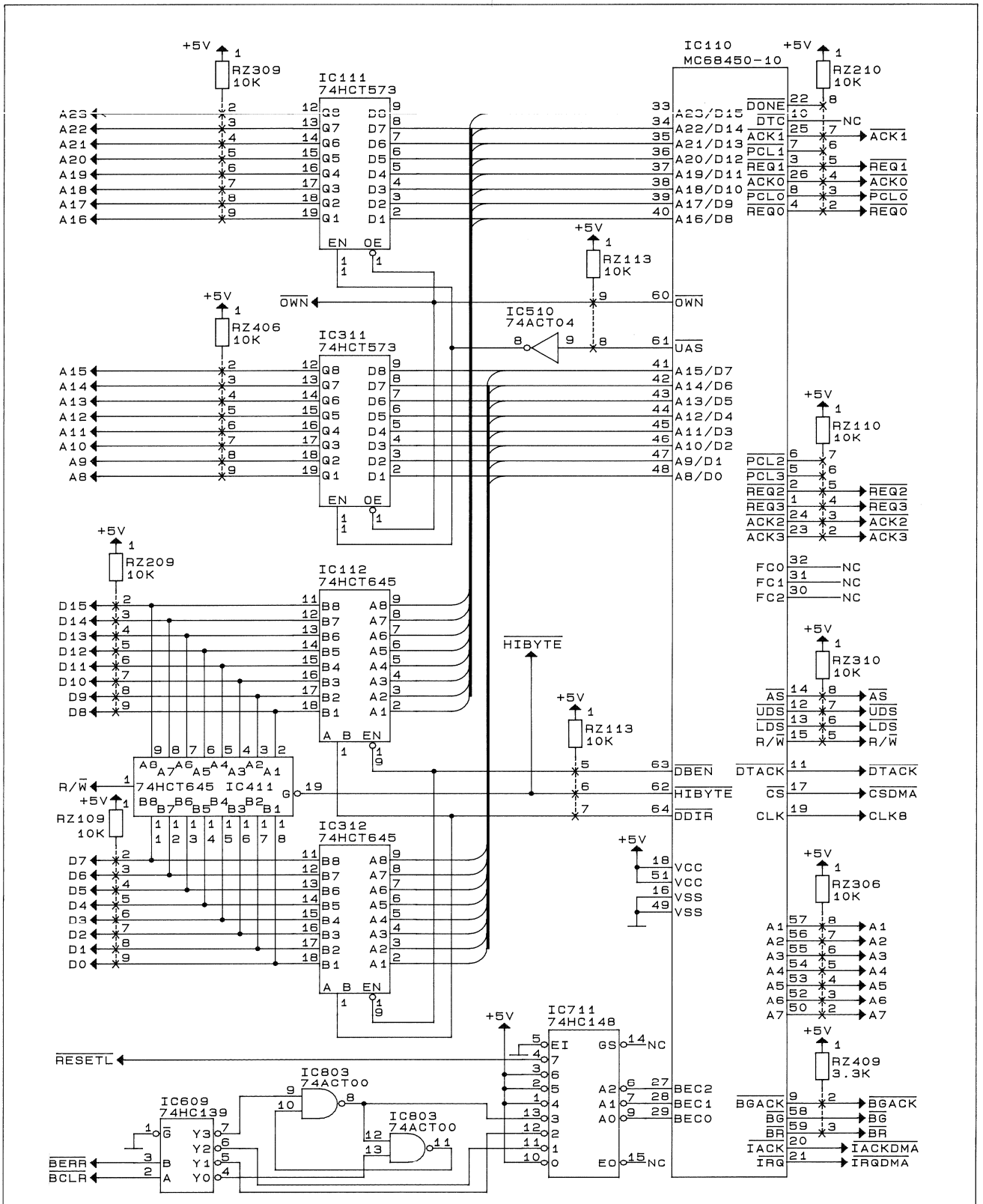
1.990.940.20



⓪ 03.10.89 CM	① 10.09.90 CM			
	HDLC CONTROLLER			PAGE 1 OF 15
STUDER	CPU + SUPPLY		SC	1.990.940-20

HDLC CONTROLLER DMA

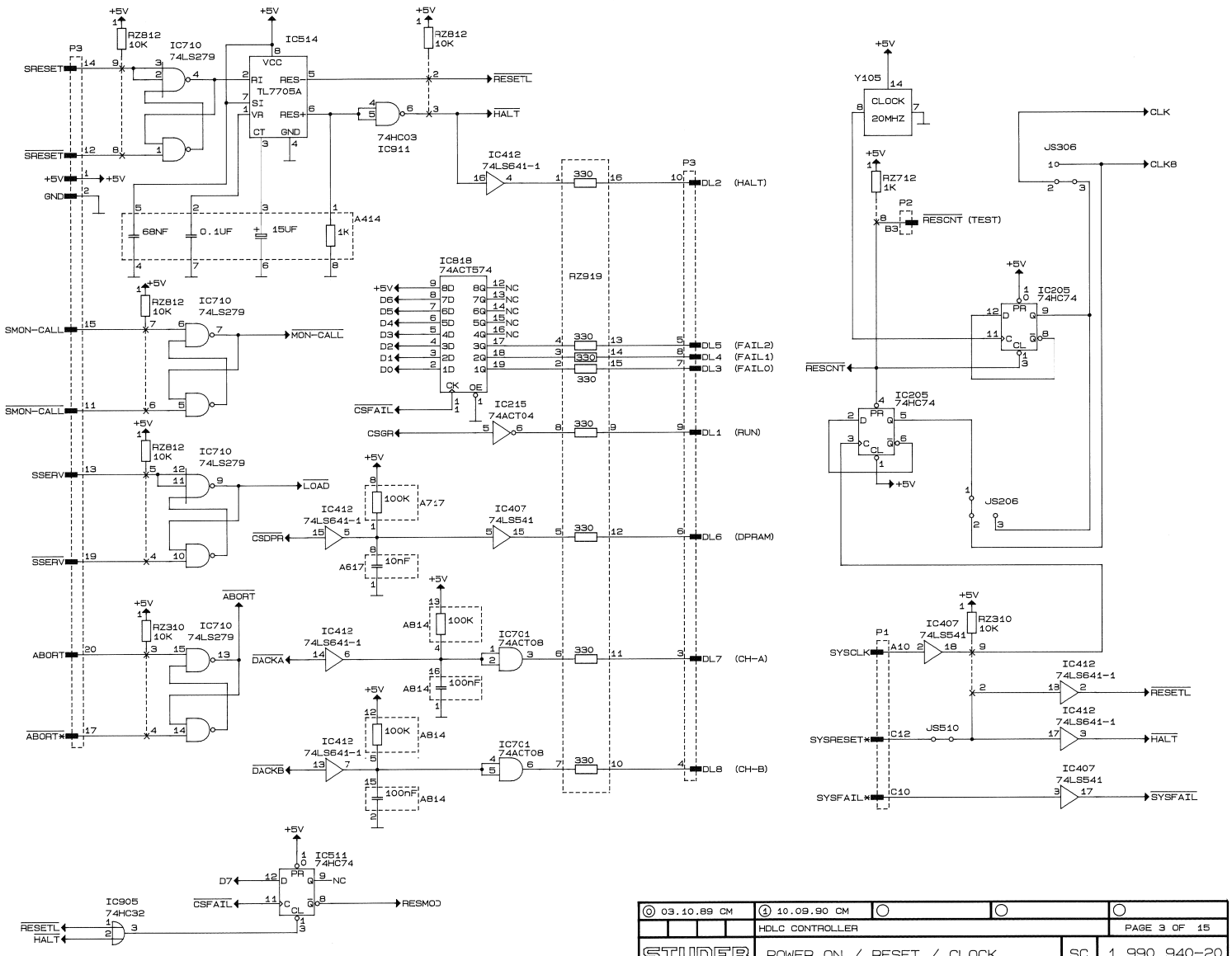
1.990.940.20



⓪ 03.10.89 CM	① 10.09.90 CM			
	HDLC CONTROLLER			PAGE 2 OF 15
STUDER	DMA		SC	1.990.940-20

HDLC CONTROLLER POWER ON / RESET / CLOCK

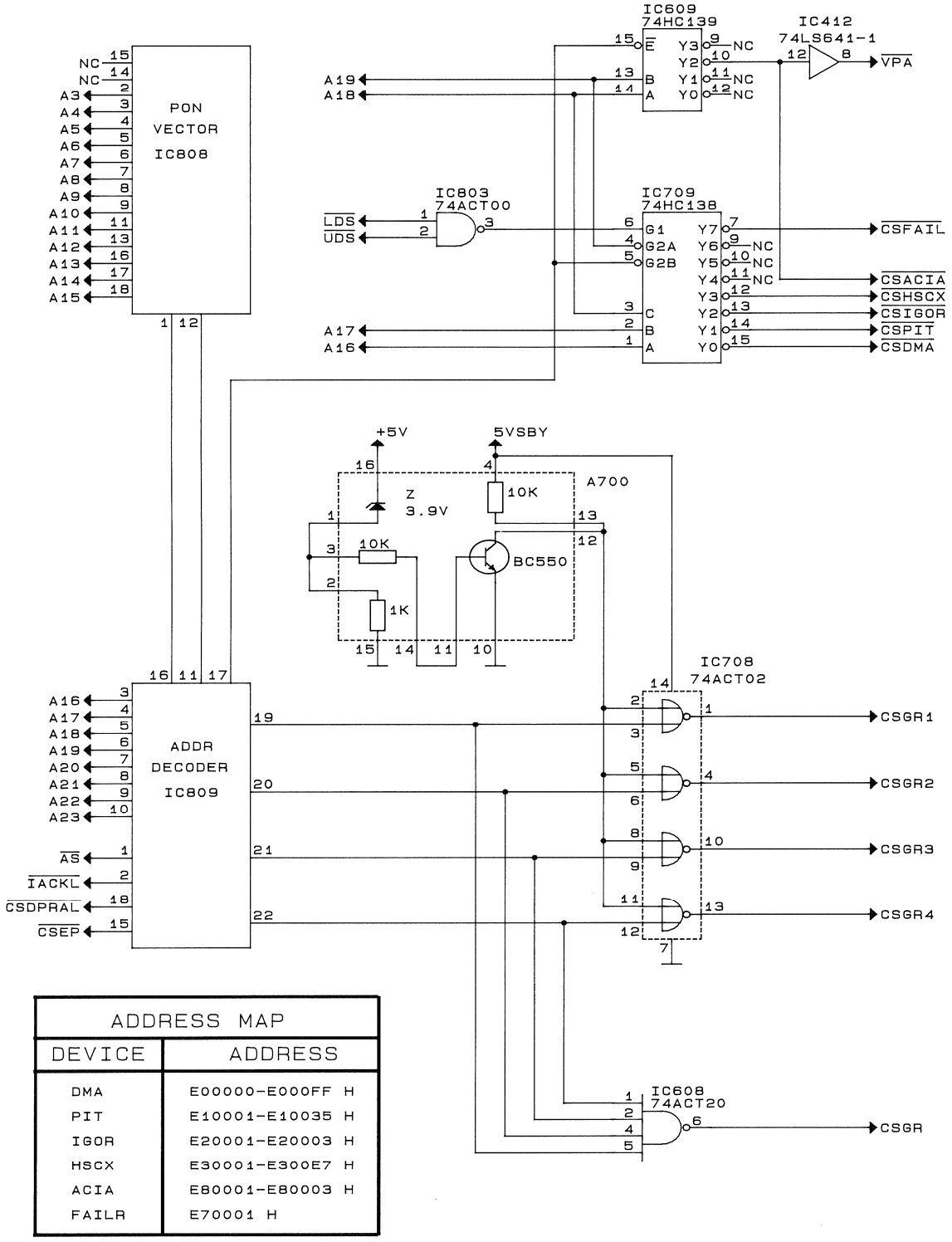
1.990.940.20



⓪ 03.10.89 CM	① 10.09.90 CM	○	○	○
	HDLC CONTROLLER			PAGE 3 OF 15
STUDER	POWER ON / RESET / CLOCK		SC	1.990.940-20

HDLC CONTROLLER ADDRESS DECODER

1.990.940.20

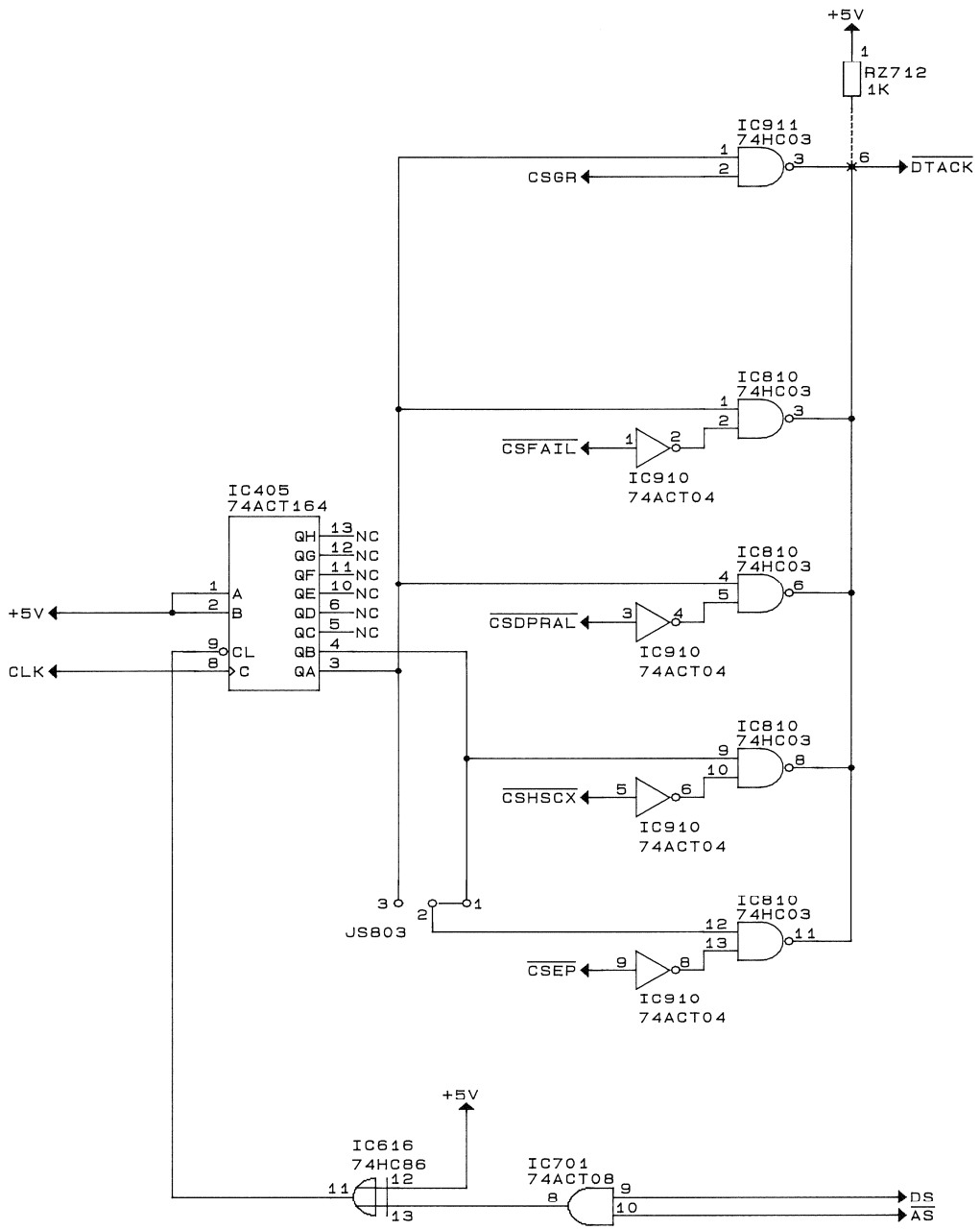


ADDRESS MAP	
DEVICE	ADDRESS
DMA	E00000-E000FF H
PIT	E10001-E10035 H
IGOR	E20001-E20003 H
HSCX	E30001-E300E7 H
ACIA	E80001-E80003 H
FAILR	E70001 H

⓪ 03.10.89 CM	① 10.09.90 CM			
	HDLC CONTROLLER			PAGE 4 OF 15
STUDER	ADDRESS DECODER		SC	1.990.940-20

HDLC CONTROLLER DTACK GENERATOR

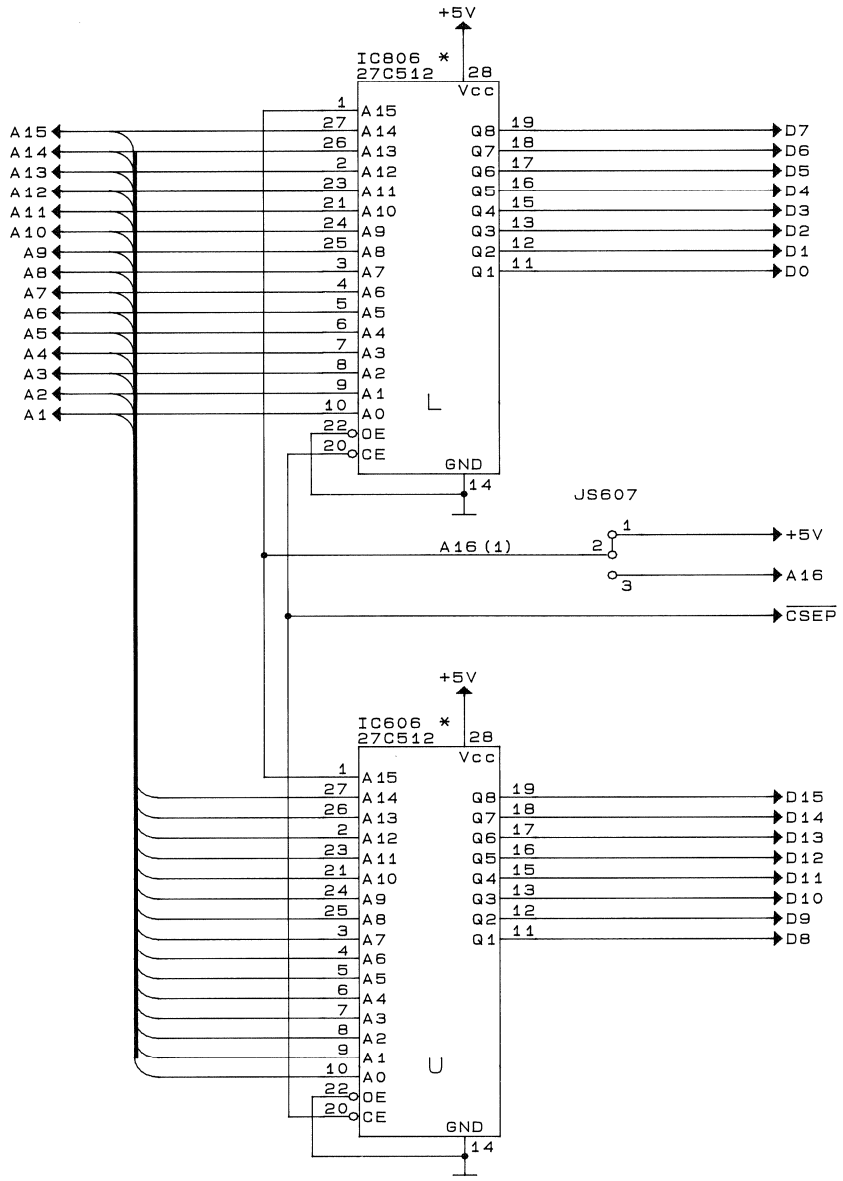
1.990.940.20



⓪ 03.10.89 CM	① 10.09.90 CM			
	HDLC CONTROLLER			PAGE 5 OF 15
STUDER	DTACK GENERATOR		SC	1.990.940-20

HDLC CONTROLLER SYSTEM EPROM

1.990.940.20



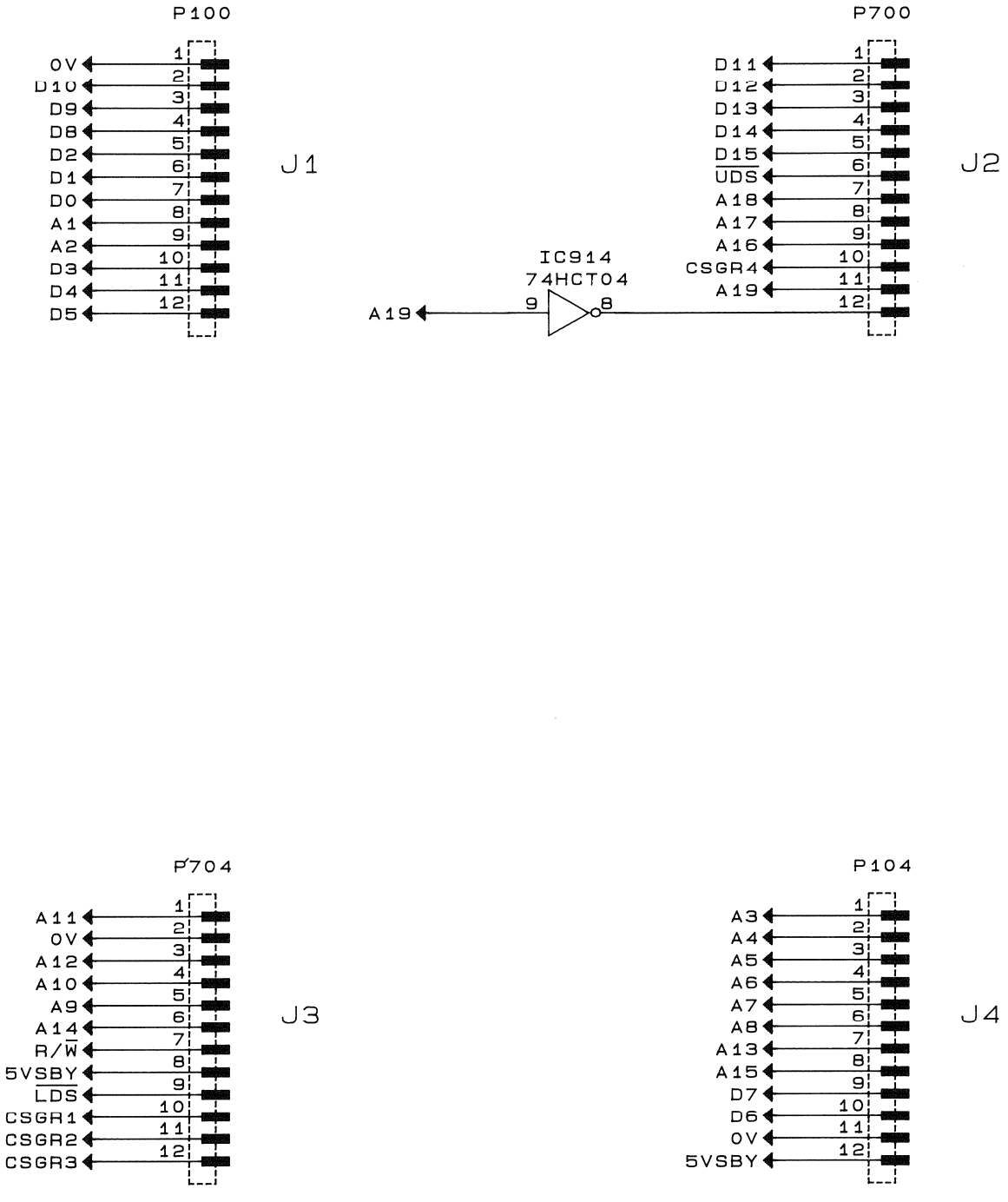
EPROM TACC ≤ 250NS

* see STUDER SW No.

⓪ 03.10.89 CM	① 10.09.90 CM	○	○	○
	HDLC CONTROLLER			PAGE 6 OF 15
STUDER	SYSTEM EPROM		SC	1.990.940-20

HDLC CONTROLLER SRAM SOCKET

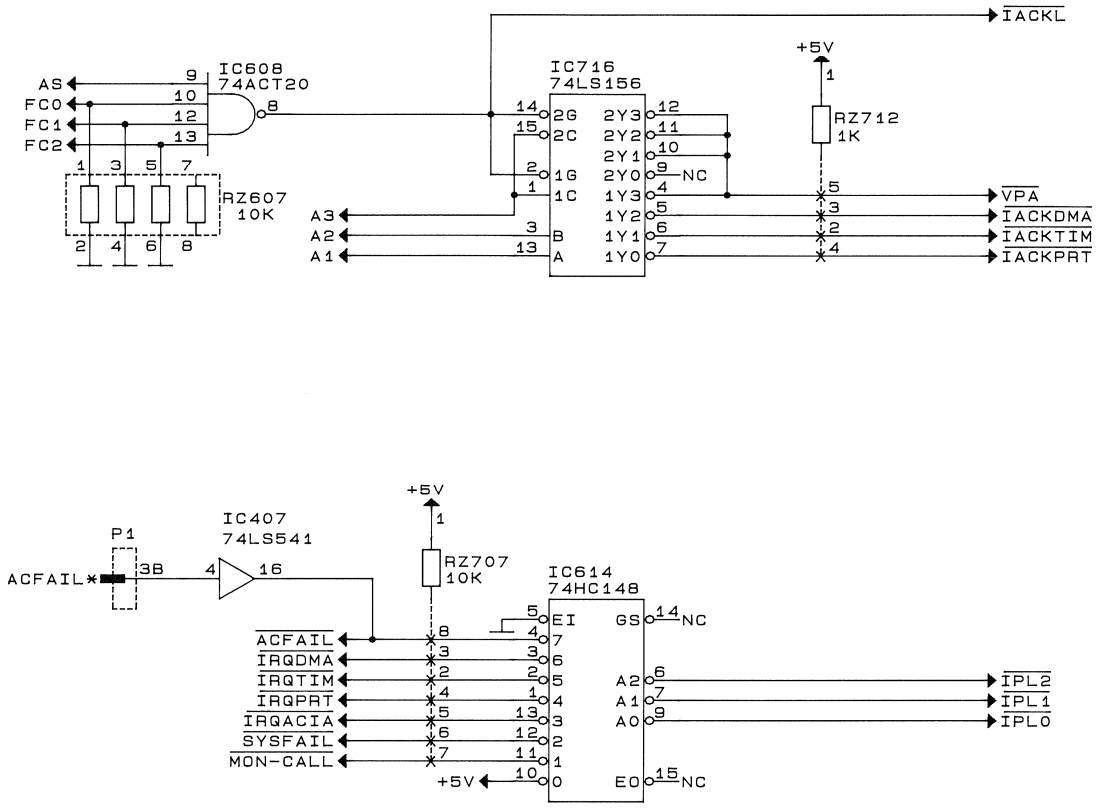
1.990.940.20



⓪ 03.10.89 CM	① 10.09.90 CM	○	○	○
	HDLC CONTROLLER			PAGE 7 OF 15
STUDER	SRAM SOCKET		SC	1.990.940-20

HDLC CONTROLLER INTERRUPT HANDLING

1.990.940.20

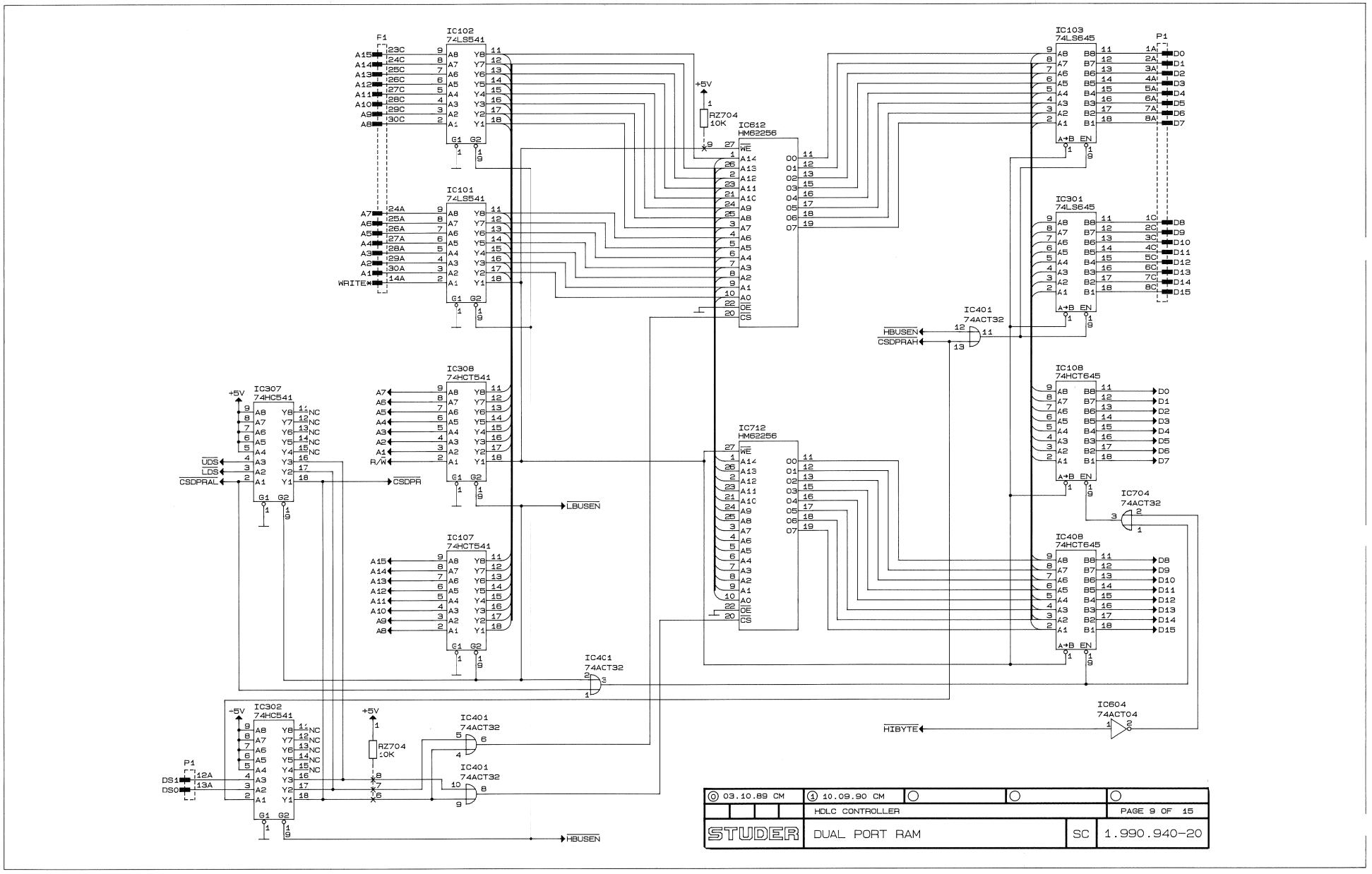


LOCAL INTERRUPTS LEVEL		VECTOR TYPE
ACFAIL	IRQ7	AUTO
DMA	IRQ6	USER
TIMER	IRQ5	USER
PORT	IRQ4	USER
ACIA	IRQ3	AUTO
SYSFAIL	IRQ2	AUTO
MON-CALL	IRQ1	AUTO

⓪ 03.10.89 CM	① 10.09.90 CM	○	○	○
	HDLC CONTROLLER			PAGE 8 OF 15
STUDER	INTERRUPT HANDLING		SC	1.990.940-20

HDLC CONTROLLER DUAL PORT RAM

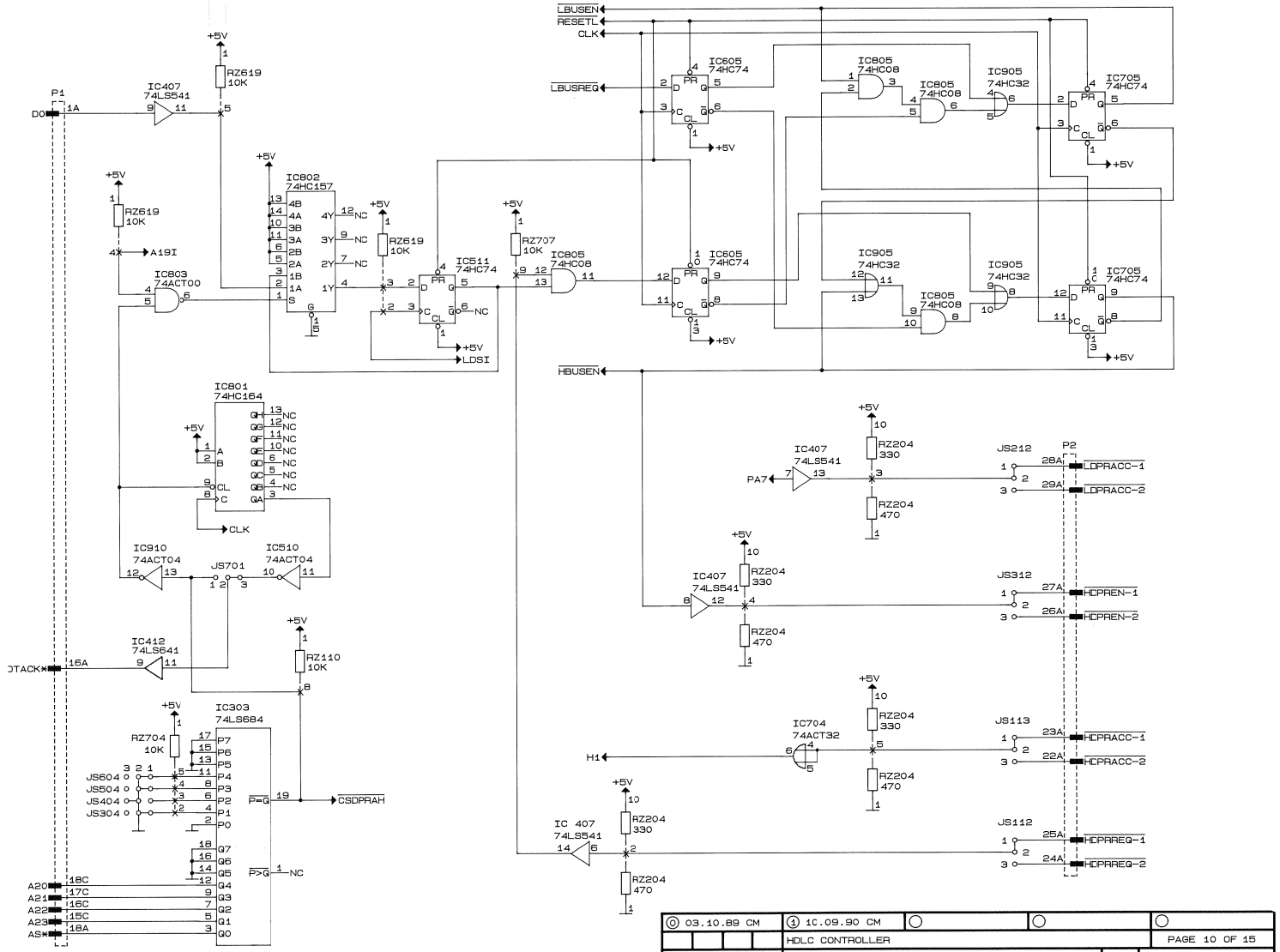
1.990.940.20



0 03.10.89 CM	1 10.09.90 CM			
	HDLC CONTROLLER			PAGE 9 OF 15
STUDER	DUAL PORT RAM		SC	1.990.940-20

HDLC CONTROLLER DUAL PORT RAM

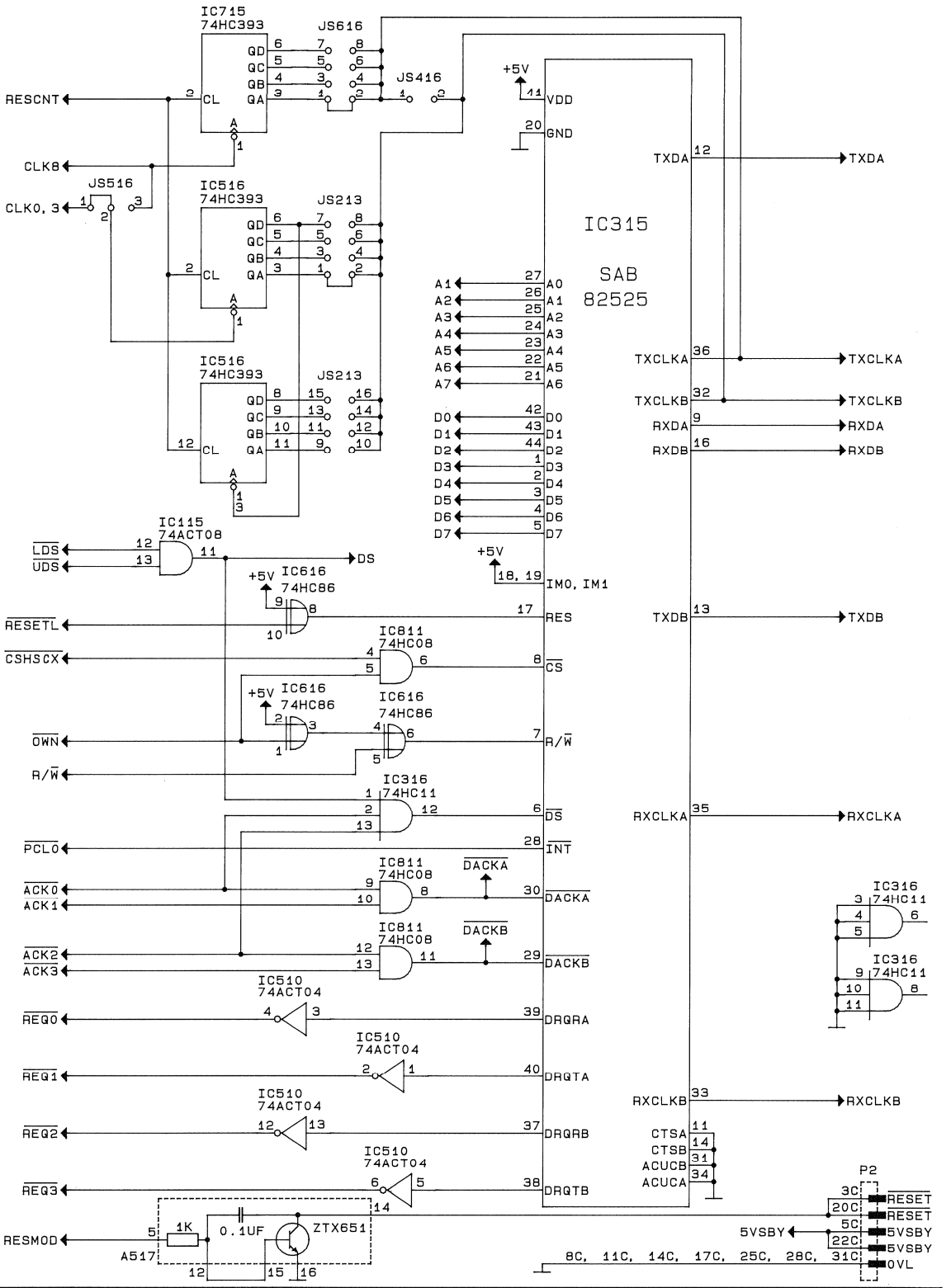
1.990.940.20



⓪ 03.10.89 CM	① 1C.09.90 CM			PAGE 10 OF 15
	HDLC CONTROLLER			
STUDER	DUAL PORT RAM	SC	1.990.940-20	

HDLC CONTROLLER HIGH-LEVEL SERIAL COMM. CONTROLLER

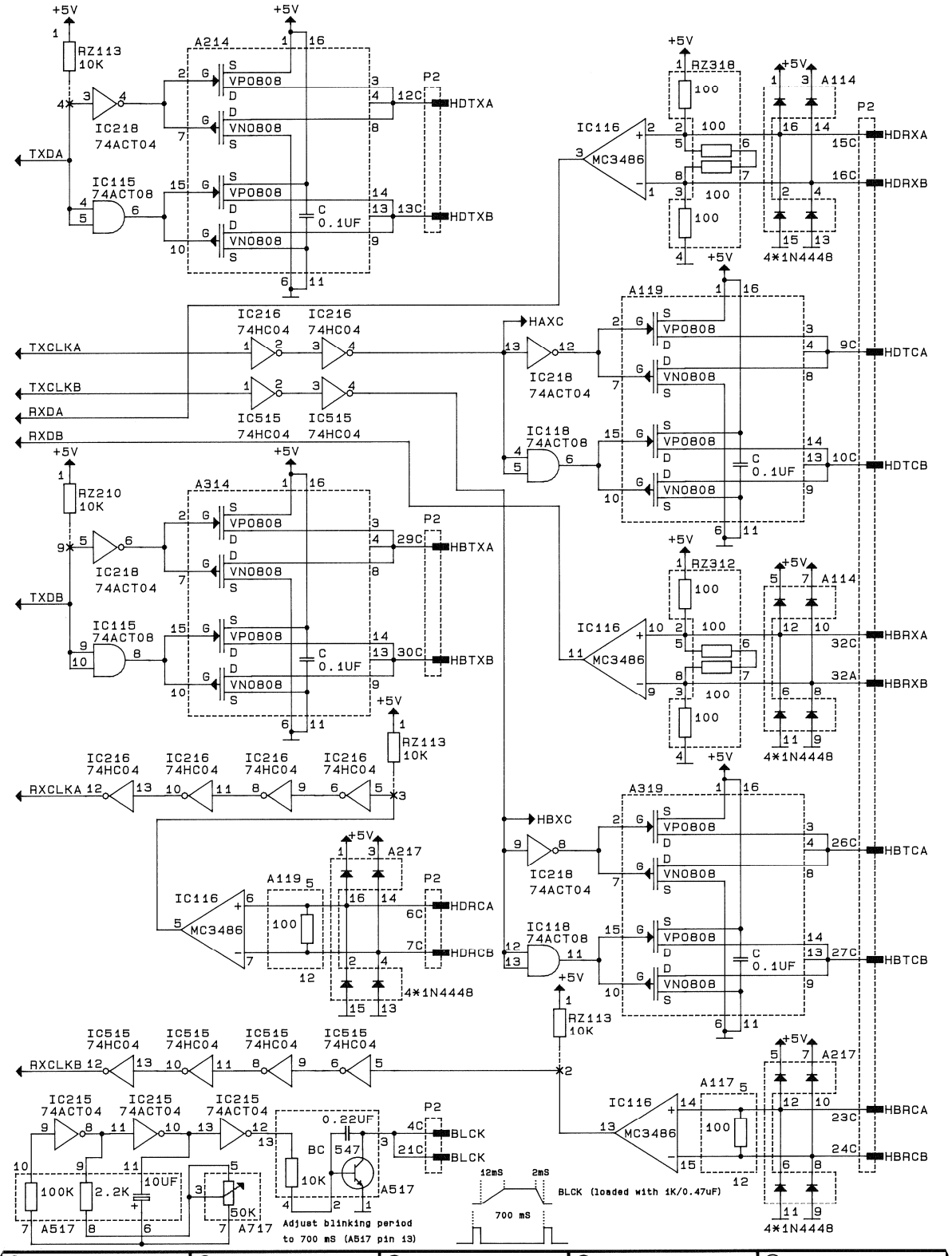
1.990.940.20



⓪ 03.10.89 CM	① 10.09.90 CM			
	HDLC CONTROLLER			PAGE 11 OF 15
STUDER	HIGH-LEVEL SERIAL COMM. CONTROLLER		SC	1.990.940-20

HDLC CONTROLLER HDLC MASTER DRIVER

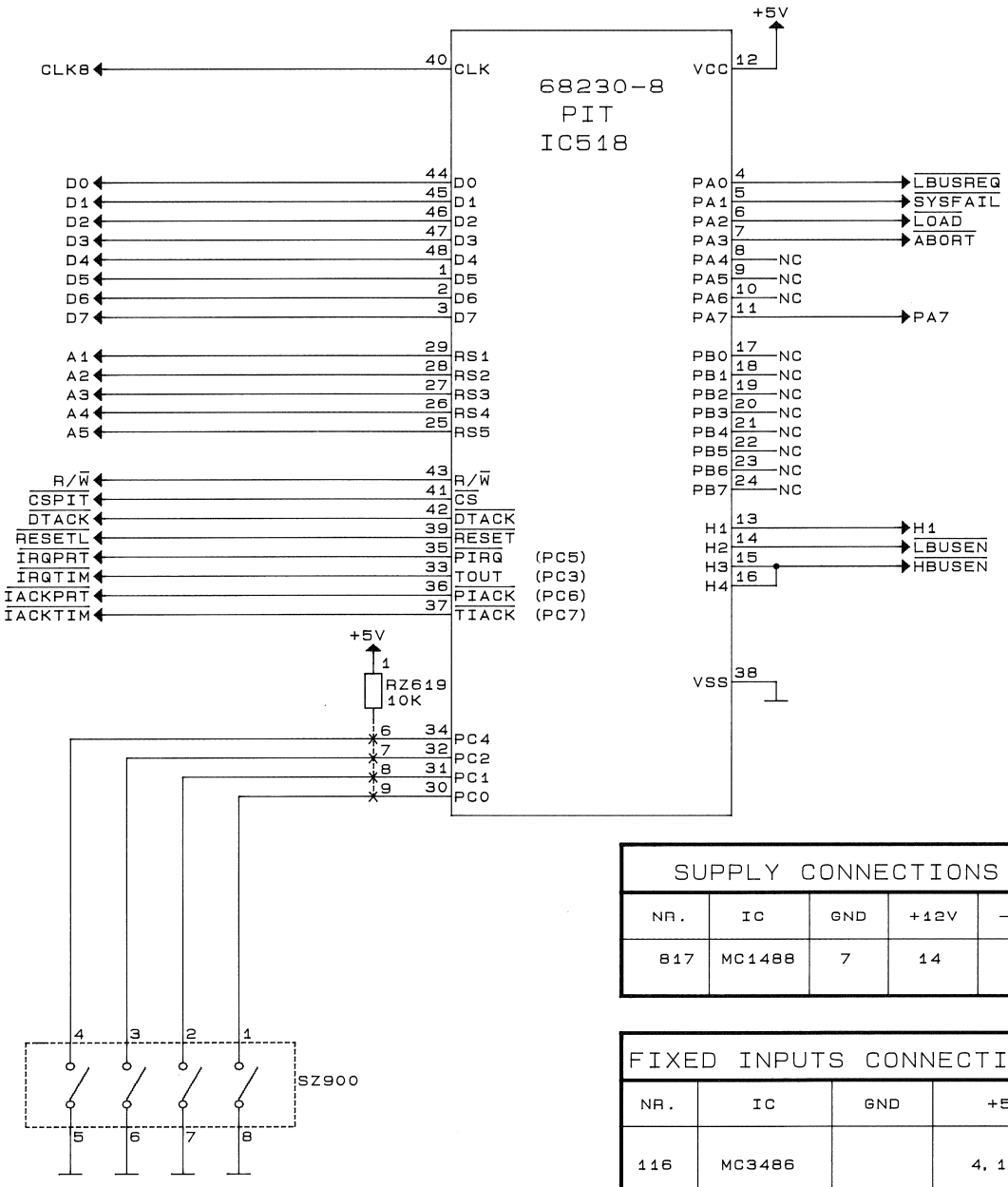
1.990.940.20



⓪ 03.10.89 CM	① 10.09.90 CM	○	○	○
	HDLC CONTROLLER			PAGE 12 OF 15
STUDER	HDLC MASTER DRIVER		SC	1.990.940-20

HDLC CONTROLLER PIT

1.990.940.20



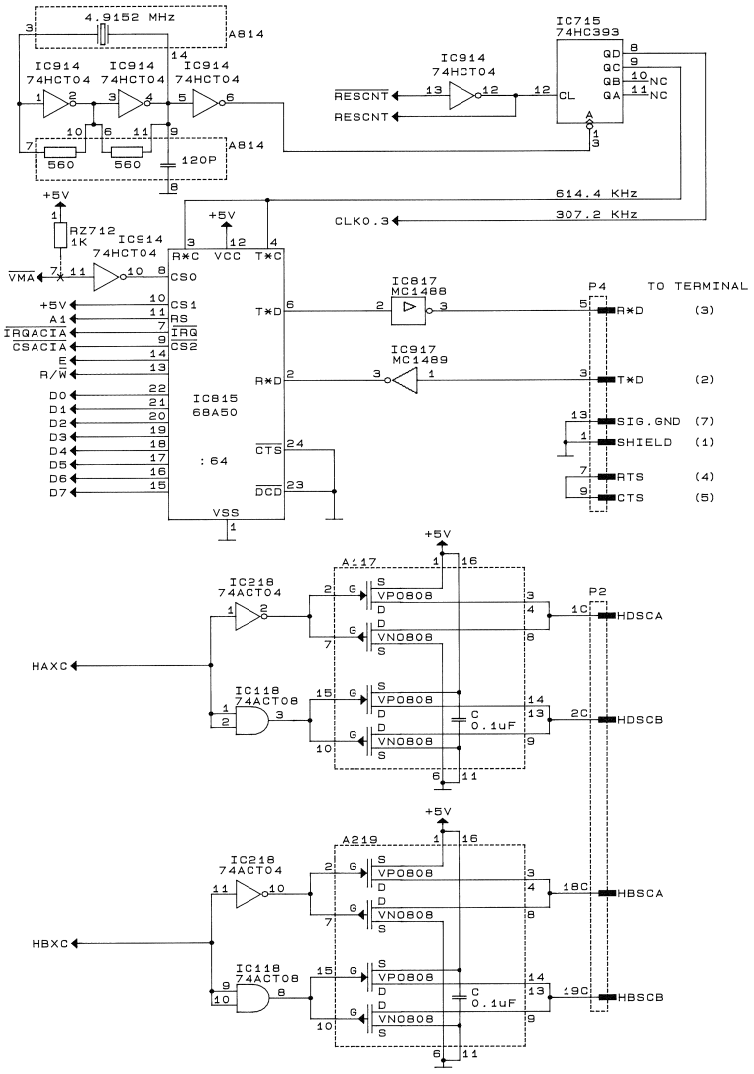
SUPPLY CONNECTIONS				
NR.	IC	GND	+12V	-12V
817	MC1488	7	14	1

FIXED INPUTS CONNECTIONS			
NR.	IC	GND	+5V
116	MC3486		4, 12
316	74HC11	3, 4, 5 9, 10, 11	
407	74LS541	1, 19	
412	74LS641-1	1, 19	
604	74ACT04		3, 5, 9, 11, 13
701	74ACT08		12, 13
704	74ACT32		9, 10, 12, 13
911	74HC03		9, 10, 12, 13

⓪ 03.10.89 CM	① 10.09.90 CM	○	○	○
	HDLC CONTROLLER			PAGE 13 OF 15
STUDER	PIT		SC	1.990.940-20

HDLC CONTROLLER ACIA

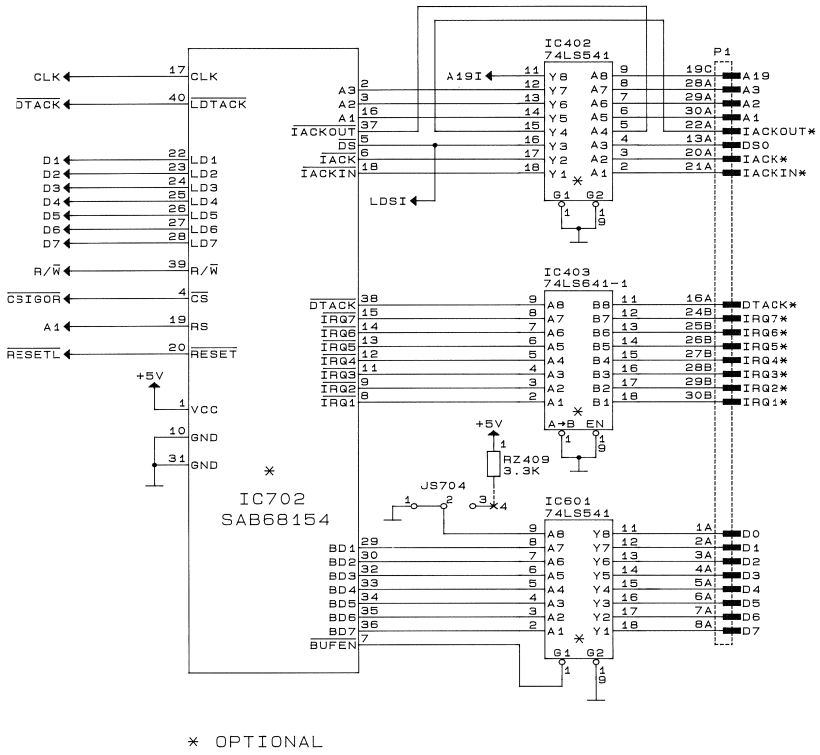
1.990.940.20



03.10.89 CM	10.09.90 CM			
	HDLC CONTROLLER			PAGE 14 OF 15
STUDER	ACIA	SC	1.990.940-20	

HDLC CONTROLLER INTERRUPT GENERATOR

1.990.940.20

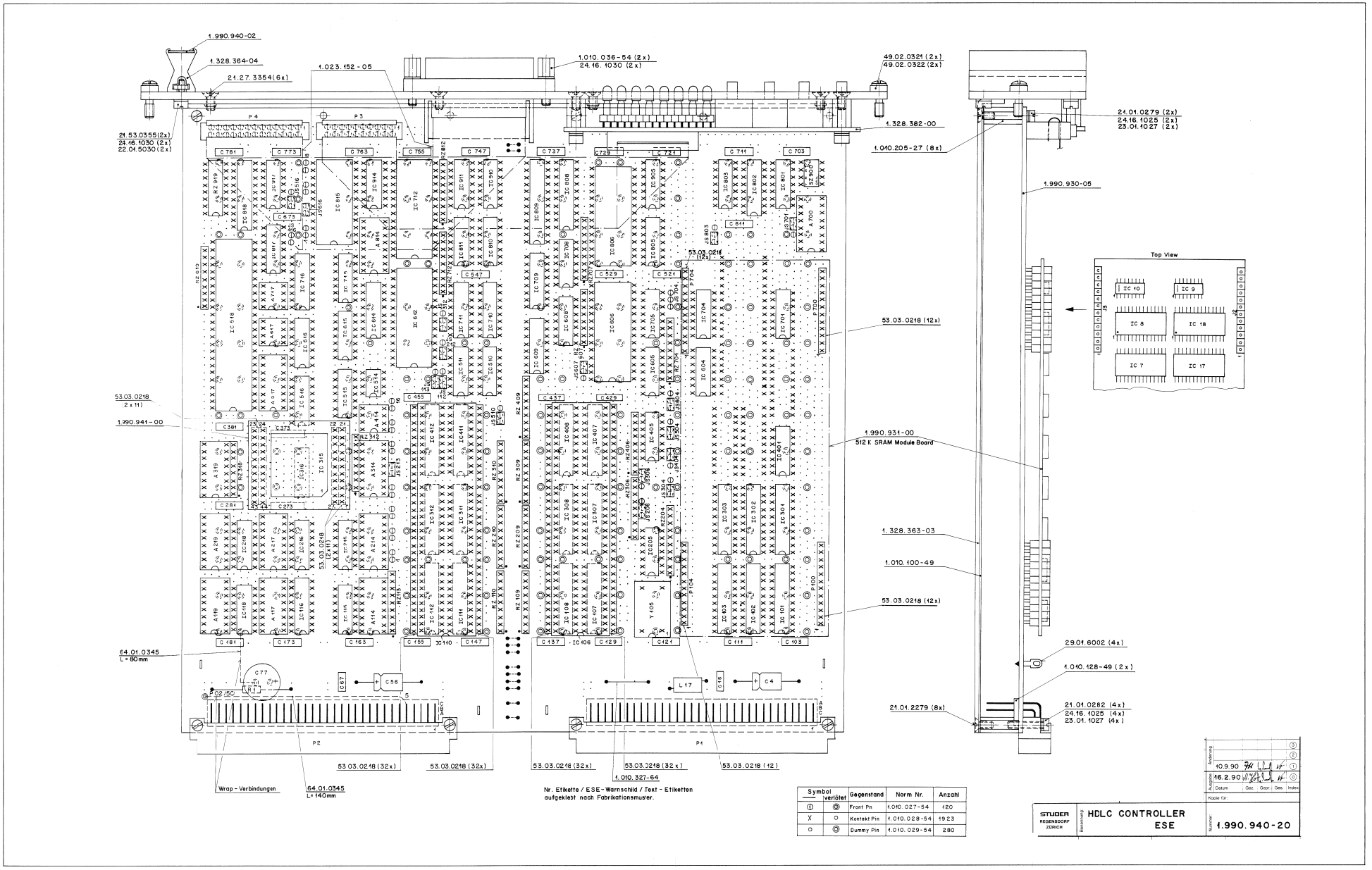


* OPTIONAL

03.10.89 CM	10.09.90 CM			
	HDLC CONTROLLER			PAGE 15 OF 15
STUDER	INTERRUPT GENERATOR	SC	1.990.940-20	

HDLC CONTROLLER

1.990.940.20



Symbol	verlötet	Gegenstand	Norm Nr.	Anzahl
⊙	◎	Front Pin	1.010.027-54	120
X	○	Kontakt Pin	1.010.028-54	1923
○	◎	Dummy Pin	1.010.029-54	280

Änderung		
		③
		②
10.9.90	FH	①
16.2.90		⓪

Ausgabe	Datum	Gez.	Gepr.	Ges.	Index
Kopie für:					

STUDER REGENSDORF ZÜRICH

Bezeichnung: HDLC CONTROLLER ESE

Nummer: 1.990.940-20

HDLC CONTROLLER

1.990.940.20

Ad	..POS..	...REF.No...		DESCRIPTION	MANUFACTURER
	A...114	1.990.890.00		Assembly 940 CLPDIO	St
	A...117	1.990.891.00		Assembly 940 PPFET	St
	A...119	1.990.891.00		Assembly 940 PPFET	St
	A...214	1.990.891.00		Assembly 940 PPFET	St
	A...217	1.990.890.00		Assembly 940 CLPDIO	St
	A...219	1.990.891.00		Assembly 940 PPFET	St
	A...314	1.990.891.00		Assembly 940 PPFET	St
	A...319	1.990.891.00		Assembly 940 PPFET	St
	A...414	1.990.895.00		Assembly 940 RESET	St
	A...517	1.990.893.00		Assembly 940 RESBLK	St
	A...617	1.990.896.00		Assembly 930/940 STBY1	St
	A...700	1.990.897.00		Assembly 930/940 STBY2	St
	A...717	1.990.892.00		Assembly 940 ADJBLK	St
	A...814	1.990.894.00		Assembly 940 ACIACLK	St
	AIC.120	1.990.931.00	SRAM	512k SRAM-Module Board see note 1.	St
	C.....4	59.25.3470	47uF	20%, 16V, EL	
	C....15	59.06.0683	68nF	10%, 63V, PETP	
	C....56	59.25.3470	47uF	20%, 16V, EL	
	C....67	59.06.0683	68nF	10%, 63V, PETP	
	C....77	59.22.1104	0,1F	5,5V, Gold	
	C...103	59.99.1200	68nF	20%, 63V, PE	
	C...111	59.99.1200	68nF	20%, 63V, PE	
	C...121	59.99.1200	68nF	20%, 63V, PE	
	C...129	59.99.1200	68nF	20%, 63V, PE	
	C...137	59.99.1200	68nF	20%, 63V, PE	
	C...147	59.99.1200	68nF	20%, 63V, PE	
	C...155	59.99.1200	68nF	20%, 63V, PE	
	C...163	59.99.1200	68nF	20%, 63V, PE	
	C...173	59.99.1200	68nF	20%, 63V, PE	
	C...181	59.99.1200	68nF	20%, 63V, PE	
01	C...273	59.99.1200	68nF	20%, 63V, PE	
	C...281	59.99.1200	68nF	20%, 63V, PE	
01	C...373	59.99.1200	68nF	20%, 63V, PE	
	C...381	59.99.1200	68nF	20%, 63V, PE	
	C...429	59.99.1200	68nF	20%, 63V, PE	
	C...437	59.99.1200	68nF	20%, 63V, PE	
	C...455	59.99.1200	68nF	20%, 63V, PE	
	C...521	59.99.1200	68nF	20%, 63V, PE	
	C...529	59.99.1200	68nF	20%, 63V, PE	
	C...547	59.99.1200	68nF	20%, 63V, PE	
	C...611	59.99.1200	68nF	20%, 63V, PE	
	C...673	59.99.1200	68nF	20%, 63V, PE	
	C...703	59.99.1200	68nF	20%, 63V, PE	
	C...711	59.99.1200	68nF	20%, 63V, PE	
	C...721	59.99.1200	68nF	20%, 63V, PE	
	C...729	59.99.1200	68nF	20%, 63V, PE	
	C...737	59.99.1200	68nF	20%, 63V, PE	
	C...747	59.99.1200	68nF	20%, 63V, PE	
	C...755	59.99.1200	68nF	20%, 63V, PE	
	C...763	59.99.1200	68nF	20%, 63V, PE	
	C...773	59.99.1200	68nF	20%, 63V, PE	
	C...781	59.99.1200	68nF	20%, 63V, PE	
	IC..101	50.06.0541	74 LS 541	Octal Buffer/Line Driver	Mot,Ti
	IC..102	50.06.0541	74 LS 541	Octal Buffer/Line Driver	Mot,Ti
	IC..103	50.06.1645	74LS645-1	Octal Bus Transceiver	Mot,Ph,TI,NS,RCA
	IC..106	50.16.0127	68 HC 000	16 Bit CPU 10 MHz	Ph,Hi,Mot
01	IC..107	50.17.0541	74HCT 541	Octal Buffer/Line Driver	Fc,RCA
01	IC..108	50.17.0645	74HCT 645	Octal Bus Transceiver	Fc,RCA
	IC..110	50.16.0125	DMA 68450	Direct-Memory-Access Controler 10 MHz	Hi,Mot
	IC..111	50.17.0573	74HCT 573	Octal D-Type Latch	Mot,Ph,TI,NS,RCA
	IC..112	50.17.0645	74HCT 645	Octal Bus Transceiver	Mot,Ph,TI,NS,RCA
	IC..115	50.17.7008	74 ACT 08	Quad 2-Input AND Gate	Fc,RCA
	IC..116	50.15.0104	MC 3486	Quad Line Receiver RS 422/423	Mot,TI
	IC..118	50.17.7008	74 ACT 08	Quad 2-Input AND Gate	Fc,RCA
	IC..205	50.17.1074	74 HC 74	Dual D-Type FF w/Preset & Clear	FC,RCA
	IC..215	50.17.7004	74 ACT 04	Quad 2-Input NAND Gate	Fc,RCA
	IC..216	50.17.1004	74 HC 04	Hex Inverter	Mot,PH TI,To,RCA
	IC..218	50.17.7004	74 ACT 04	Quad 2-Input NAND Gate	FC,RCA
	IC..301	50.06.1645	74LS645-1	Octal Bus Transceiver	Nat,TI
	IC..302	50.17.1541	74 HC 541	Octal Buffer/Line Driver	Fc,RCA
	IC..303	50.06.0684	74 LS 684	8-Bit Magnitude Comparator	Mot,Ti
	IC..307	50.17.1541	74 HC 541	Octal Buffer/Line Driver	Fc,RCA
01	IC..308	50.17.0541	74HCT 541	Octal Buffer/Line Driver	Fc,RCA
	IC..311	50.17.0573	74HCT 573	Octal D-Type Latch	Mot,Ph,TI,NS,RCA
	IC..312	50.17.0645	74HCT 645	Octal Bus Transceiver	Mot,Ph,TI,NS,RCA
	IC..315	50.63.0200	SAB82525N	High-Level Ser. Com. Ctr. see note 2	Sie
01	IC..316	50.17.1011	74 HC 11	Triple 3-Input Positive AND Gate	
	IC..401	50.17.7032	74 ACT 32	Quad 2-Input NOR Gate	Fc,RCA
	IC..402	50.06.0541	74 LS 541	not tipped	
	IC..403	50.06.1641	74LS641-1	not tipped	
	IC..405	50.17.7164	74ACT 164	8 Bit SI/PO Shift Register	Fc,RCA
	IC..407	50.06.0541	74 LS 541	Octal Buffer/Line Driver	Mot,TI
01	IC..408	50.17.0645	74HCT 645	Octal-Bus Transceiver	Fc,RCA
	IC..411	50.17.0645	74HCT 645	Octal Bus Transceiver	Mot,Ph,TI,NS,RCA
	IC..412	50.06.1641	74LS641-1	Octal Bus Transceiver	Sig,TI
	IC..510	50.17.7004	74 ACT 04	Quad 2-Input NAND Gate	Fc,RCA
	IC..511	50.17.1074	74 HC 74	Dual D-Type FF w/Preset & Clear	Mot,Ph,TI
	IC..514	50.11.0122	TL 7705 A	Reset Generator	TI
	IC..515	50.17.1004	74 HC 04	Hex Inverter	Mot,PH,TI,To,RCA
	IC..516	50.17.1393	74 HC 393	Dual Binary Counter	Mot,Ph,TI,NS,RCA
	IC..518	50.16.0150	68230 PIT	Parallel-Interface Timer 8MHz	Ph,Mot,To
	IC..601	50.06.0541	74 LS 541	not tipped	
	IC..604	50.17.7004	74 ACT 04	Hex Inverter	Fc,RCA
	IC..605	50.17.1074	74 HC 74	Dual D-Type FF w/Preset & Clear	Mot,Ph,TI
21	IC..606	1.990.998.21		SW SET HDLC RESID. (UPPER) 26/90	St
30	IC..606	1.990.998.30		SW SET HDLC RESID. (UPPER) ../92	St
	IC..608	50.17.7020	74 ACT 20	Dual 4-Input NAND Gate	Fc,RCA
	IC..609	50.17.1139	74 HC 139	Dual 2 to 4 Line Decoder	Mot,Ph,TI,NS,RCA
	IC..612	50.14.1004	HM 62256	Static RAM 32k * 8 ; 120ns	Hi,To
	IC..614	50.17.1148	74 HC 148	8-to-3 Line Priority Encoder	SGS,TI,To
	IC..615	50.17.1393	74 HC 393	Dual Binary Counter	Mot,Ph,TI,NS,RCA
	IC..616	50.17.1086	74 HC 86	Quad 2-Input EXOR Gate	Mot,Ph,TI,NS,RCA
	IC..701	50.17.7008	74 ACT 08	Quad 2-Input NAND Gate	Fc,RCA
	IC..702	. .	SCB68154	not tipped	
	IC..704	50.17.7032	74 ACT 32	Quad 2-Input NOR Gate	Fc,RCA
	IC..705	50.17.1074	74 HC 74	Dual D-Type FF w/Preset & Clear	Mot,Ph,TI
	IC..708	50.17.7002	74 ACT 02	Quad 2-Input NOR Gate	Fc,RCA
	IC..709	50.17.1138	74 HC 138	3-to-8 Line Decoder	RCA
	IC..710	50.06.0279	74 LS 279	Quad S-R Latches	NS,TI
	IC..711	50.17.1148	74 HC 148	8-to-3 Line Priority Encoder	SGS,TI,To
	IC..712	50.14.1004	HM 62256	Static RAM 32k * 8 ; 120ns	Hi,To
	IC..715	50.17.1393	74 HC 393	Dual Binary Counter	Mot,Ph,TI,NS,RCA
	IC..716	50.06.0156	74 LS 156	Dual 1-to-4 Decoder O.C.	Fc,NS,TI
	IC..801	50.17.1164	74 HC 164	8 Bit SI/PO Shift Register	Mot,Ph
	IC..802	50.17.1157	74 HC 157	Quad 2 Channel Multiplexer	Mot,Ph
	IC..803	50.17.7000	74 ACT 00	Quad 2-Input NAND Gate	Fc,RCA
	IC..805	50.17.1008	74 HC 08	Quad 2-Input NAND Gate	Mot,Ph,TI,NS,RCA
21	IC..806	1.990.998.21		SW SET HDLC RESID. (LOWER) 26/90	St
30	IC..806	1.990.998.30		SW SET HDLC RESID. (LOWER) ../92	St
	IC..808	1.990.994.20		GAL PON VECTOR	St
	IC..809	1.990.995.20		GAL ADDR DECODER	St
	IC..810	50.17.1003	74 HC 03	Quad 2-Input NAND Gate	Mot,NS,TI
	IC..811	50.17.1008	74 HC 08	Quad 2-Input NAND Gate	Mot,Ph,TI,NS,RCA
	IC..815	50.16.0101	68A50	Async.-Comm.-Interface-Adapter	Mot
	IC..817	50.15.0106	MC 1488	Quad Line Driver RS232	Mot
	IC..818	50.17.7574	74ACT 574	Octal D-Type Flip-Flop	Fc,RCA
	IC..905	50.17.1032	74 HC 32	Quad 2-Input NOR Gate	Mot,Ph,TI,NS,RCA
	IC..910	50.17.7004	74 ACT 04	Quad 2-Input NAND Gate	Fc,RCA
	IC..911	50.17.1003	74 HC 03	Quad 2-Input Nand Gate	Mot,NS,TI
	IC..914	50.17.0004	74 HCT 04	Hex Inverter	Mot,PH,TI,To,RCA
	IC..917	50.15.0116	MC 1489	Quad Line Receiver RS232	Mot
	JS..112	54.01.0021		see note 4.	
	JS..113	54.01.0021		see note 4.	
	JS..206	54.01.0021		see note 4.	
	JS..212	54.01.0021		see note 4.	
	JS..213	54.01.0021		see note 5.	
	JS..304	54.01.0021		see note 4.	
	JS..306	54.01.0021		see note 4.	
	JS..312	54.01.0021		see note 4.	
	JS..404	54.01.0021		see note 4.	
	JS..416	54.01.0021		see note 3.	
	JS..504	54.01.0021		see note 4.	
	JS..510	54.01.0021		see note 4.	
	JS..516	54.01.0021		see note 4.	
	JS..604	54.01.0021		see note 4.	
	JS..607	54.01.0021		see note 4.	
	JS..616	54.01.0021		see note 6.	
	JS..701	54.01.0021		see note 4.	
	JS..704	54.01.0021		see note 3A.	
	JS..803	54.01.0021		see note 4.	
	L....17	62.01.0115		Wide-Band Choke	
	P.....1	54.01.0354	3*32 pins	Eurocard-Connector	
	P.....2	54.01.0354	3*32 pins	Eurocard-Connector	
	P.....3	. .	2*10 pins	see note 7.	
	P.....4	. .	2*13 pins	see note 8.	
	P...100	. .	1*12 pins	see note 1.	
	P...104	. .	1*12 pins	see note 1.	
	P...700	. .	1*12 pins	see note 1.	
	P...704	. .	1*12 pins	see note 1.	
	R.....1	57.11.3101	100	1%, 0207 , MF	
	RZ..109	57.88.4103	8 * 10k	2%, SIP9	
	RZ..110	57.88.4103	8 * 10k	2%, SIP9	
	RZ..113	57.88.4103	8 * 10k	2%, SIP9	
	RZ..204	57.80.4001	8*330/470	2%, SIP10	
	RZ..209	57.88.4103	8 * 10k	2%, SIP9	
	RZ..210	57.88.4103	8 * 10k	2%, SIP9	

HDLC CONTROLLER

1.990.940.20

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	RZ..306	57.88.4103	8 * 10k 2%, SIP9	
	RZ..309	57.88.4103	8 * 10k 2%, SIP9	
	RZ..310	57.88.4103	8 * 10k 2%, SIP9	
	RZ..312	57.88.2101	4 * 100 2%, SIP8	
	RZ..318	57.88.2101	4 * 100 2%, SIP8	
	RZ..406	57.88.4103	8 * 10k 2%, SIP9	
	RZ..409	57.88.4332	8 * 3.3k 2%, SIP9	
	RZ..607	57.88.2103	4 * 10k 2%, SIP8	
	RZ..619	57.88.4103	8 * 10k 2%, SIP9	
	RZ..704	57.88.4103	8 * 10k 2%, SIP9	
	RZ..707	57.88.4103	8 * 10k 2%, SIP9	
	RZ..712	57.88.4102	8 * 1k 2%, SIP9	
	RZ..812	57.88.4103	8 * 10k 2%, SIP9	
	RZ..919	57.88.3331	8 * 330 2%, DIL16	
	SZ..900	55.01.0164	4 * A DIL Switch	
	Y...105	89.01.1805	20 MHz Quarz Oscillator	

Each one of devices IC106 (68HC000) and IC110 (DMA 68450) is plugged into 2 * 32 pcs. Socket Strips (# 53.03.0218).

Note 1: The 512k SRAM-Module Board is plugged into 4 sockets: P100; P104; P700; P704. Each socket consists of 1 * 12 pcs. Socket Strip # 53.03.0218.

Note 2: The device IC315 consists of 1 pc. SAB 82 525-N tipped on the PLCC 44-Wrap Adapter # 1.990.941-00. It is plugged into the HDLC Controller Board # 1.990.940-20 using 4 * 11 pcs. Socket Strip # 53.03.0218.

Note 3: The Jumper consists of 2 pcs. Front Pin (# 1.010.027.54).

Note 3A: The Jumper consists of 3 pcs. Front Pin (# 1.010.027.54).

Note 4: The Jumper consists of 1 pc. Bridge Connector (# 54.01.0021) plugged into 2-of-3 pcs. Front Pin (# 1.010.027.54).

Note 5: The Jumper consists of 1 pc. Bridge Connector (# 54.01.0021) plugged into 1-of-8 pairs (8 * 2 pcs.) Front Pin (# 1.010.027.54).

Note 6: The Jumper consists of 1 pc. Bridge Connector (# 54.01.0021) plugged into 1-of-4 pairs (4 * 2 pcs.) Front Pin (# 1.010.027.54).

Note 7: P3 consists of 2 * 10 pcs. Front Pin (# 1.010.027.54).

Note 8: P4 consists of 2 * 13 pcs. Front Pin (# 1.010.027.54).

Index (01) : - IC107, IC308, 74 HC 541, # 50.17.1541, are replaced by
(10.09.90) 74 HCT 541, # 50.17.0541.
- IC108, IC408, 74 HC 645, # 50.17.1645, are replaced by 74 HCT 645, # 50.17.0645.
- C273, C373, 0.068uF, # 59.99.1200, and IC136, 74 HC 11, # 50.17.1011, are added to the board.

Suffix .21 : -IC606 & IC806 are programmed whith the new software
(03.06.91) # 1.990.998.21.

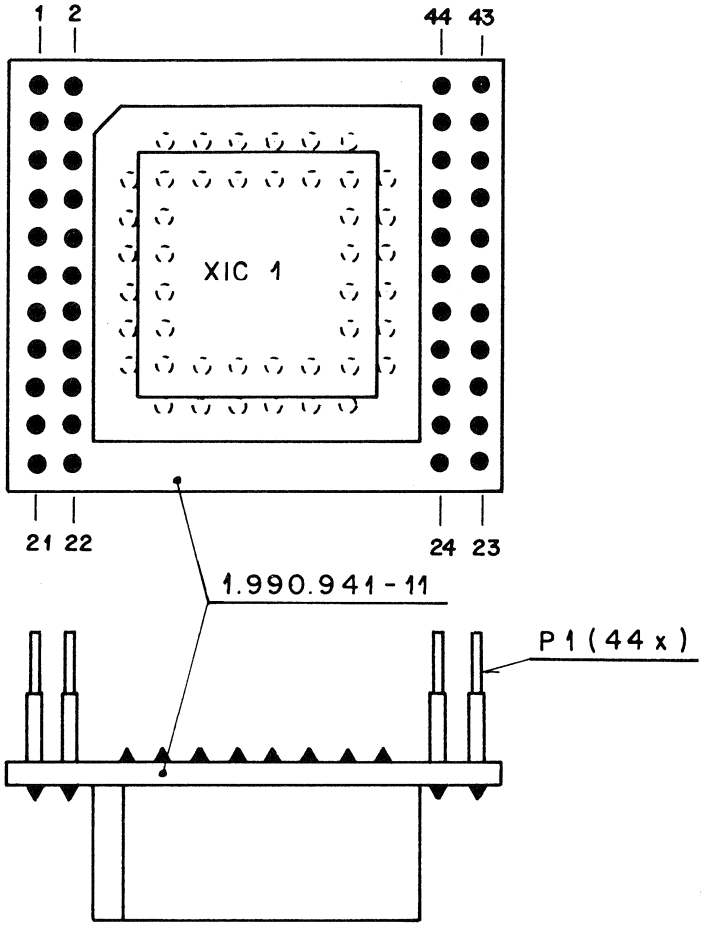
Suffix .30 : -IC606 & IC806 are programmed whith the new software
(04.03.92) # 1.990.998.30.

EL = Electrolytic, PEPT = Polyester, PE = Poliaethylen

Manufacturers: Fc = Fairchild
Hi = Hitachi
Mot = Motorola
NS = National Semiconductors
Ph = Philips (incl. Valvo)
RCA = RCA Corporation
SGS = SGS Microelettronica spa
Sie= Siemens
Sig = Signetics
St = Studer
TI = Texas Instruments
To = Toshiba

1.990.940.20	HDLC CONTROLLER	CM90/09/1001
1.990.940.21	HDLC CONTROLLER	CM91/06/0321
1.990.940.30	HDLC CONTROLLER	CM92/04/0330

PLCC 44-WRAP ADAPTER 1.990.941.00



28.11.89	PLCC 44-WRAP ADAPTER	1.990.941-00

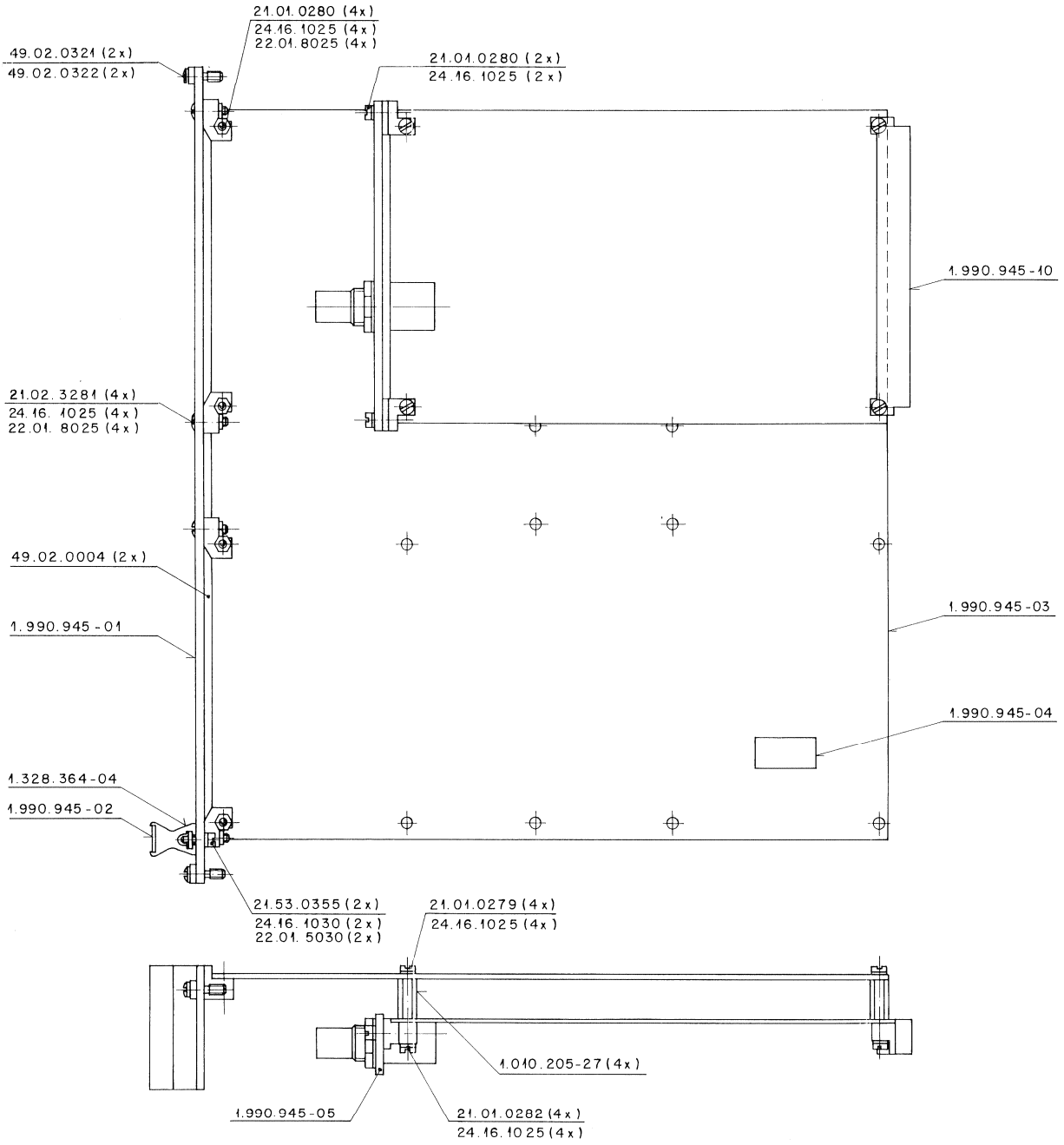
Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	XIC...1	53.03.2244	IC-Socket PLCC 44 Pins	
	P.....1	53.03.0251	44 pins see note	St

note: connector P1 consists of 44 pcs. one row contact-strip
53.03.0251 (1 pin = 1 pc.).

MANUFACTURER : St=Studer

1.990.941-00 PLCC 44-WRAP ADAPTER DAW88/12/1200

ARCNET CONTROLLER 1.990.945.00



Änderung					
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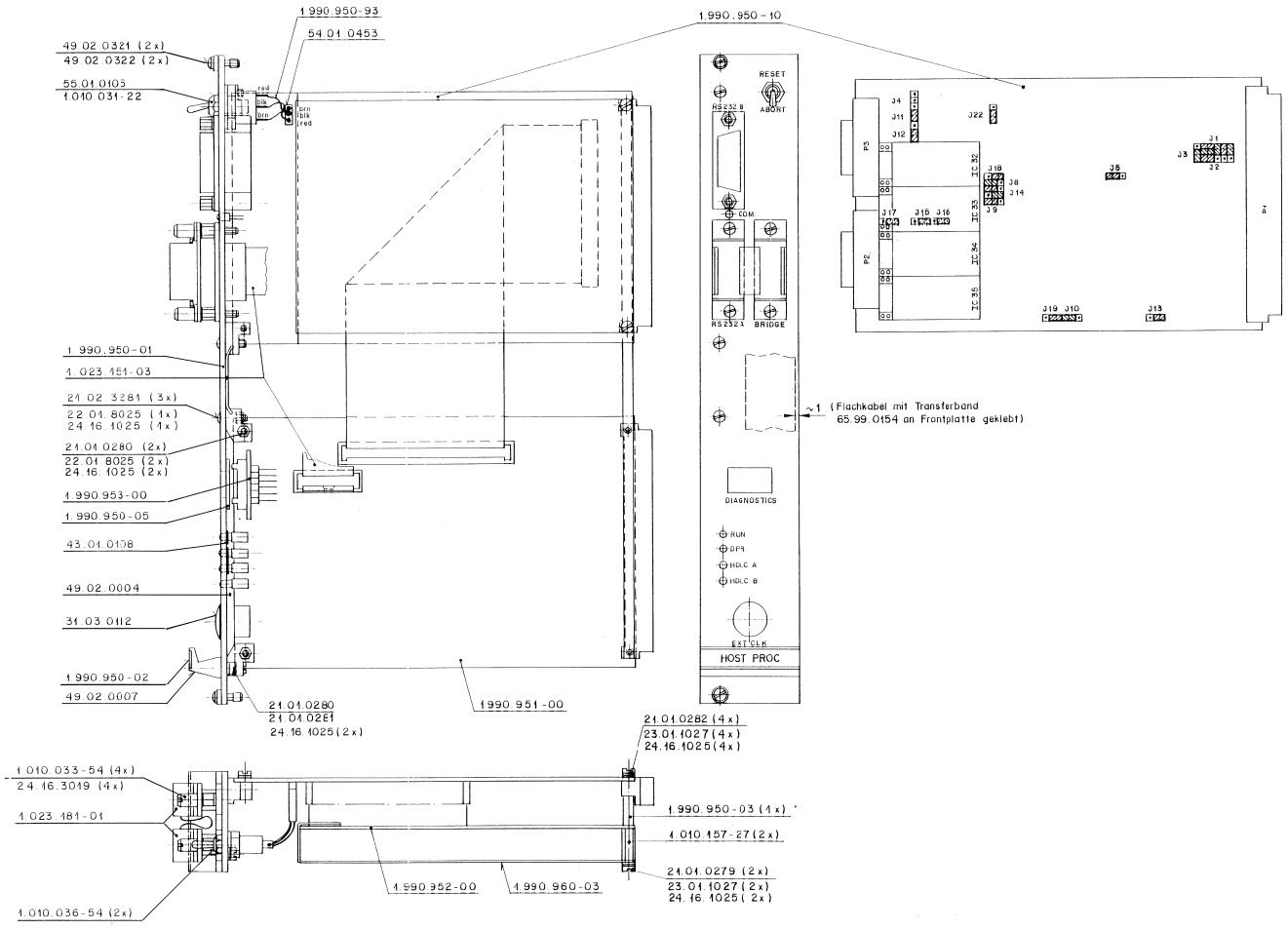
Ausgabe	9.6.92				0
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

STUDER REGENSDORF ZÜRICH	Benennung: Arcnet Controller	Nummer: 1.990.945-00

HOST PROCESSOR MKII

1.990.950.20



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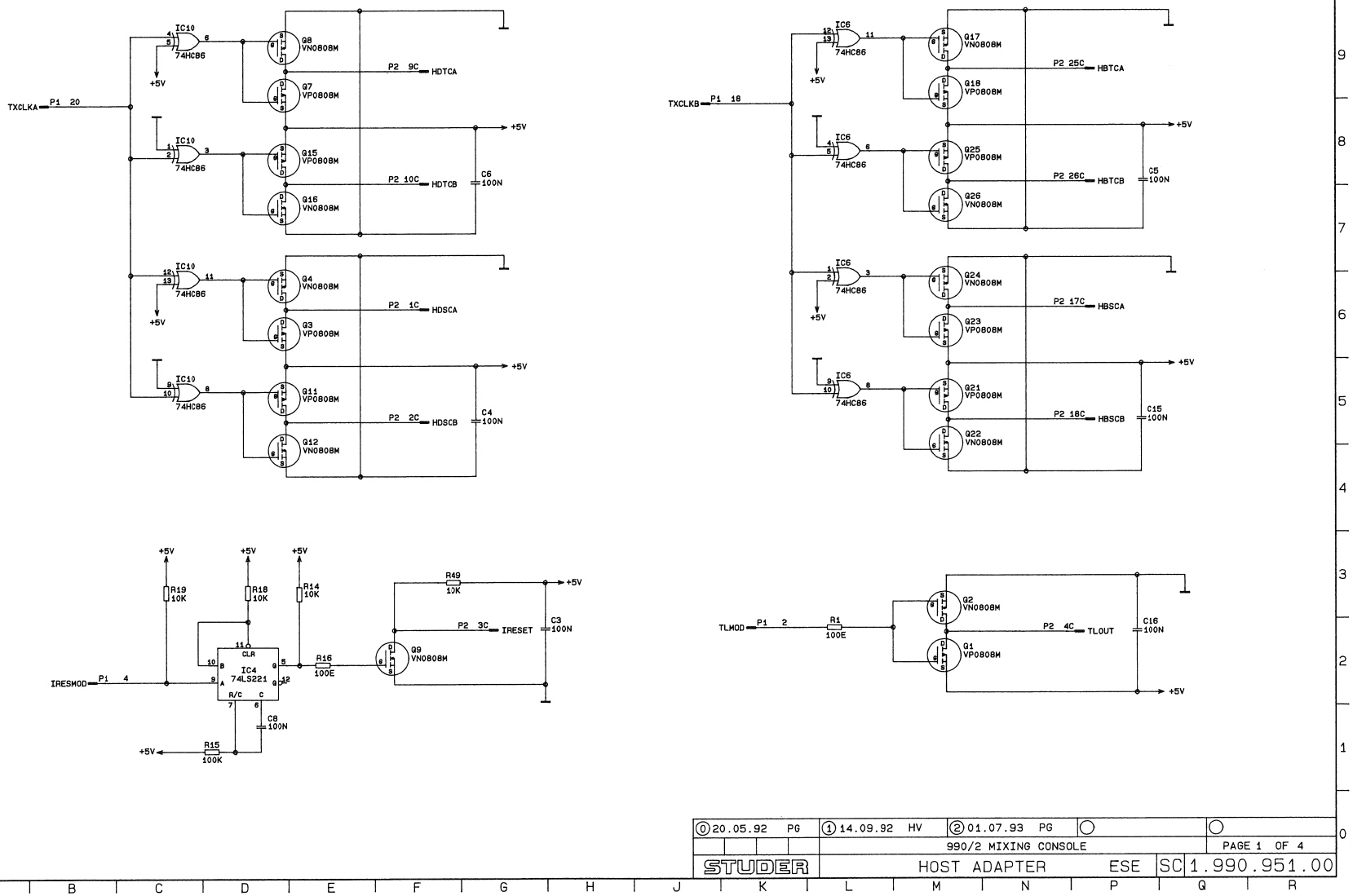
Ausgabe	Datum	Gez.	Gepr.	Ges.	Index 0
14.12.92					

Kopie für:

STUDER REGENSDORF ZÜRICH	Benennung	HOST PROCESSOR MK II ESE	Nummer: 1.990.950-20

HOST ADAPTER

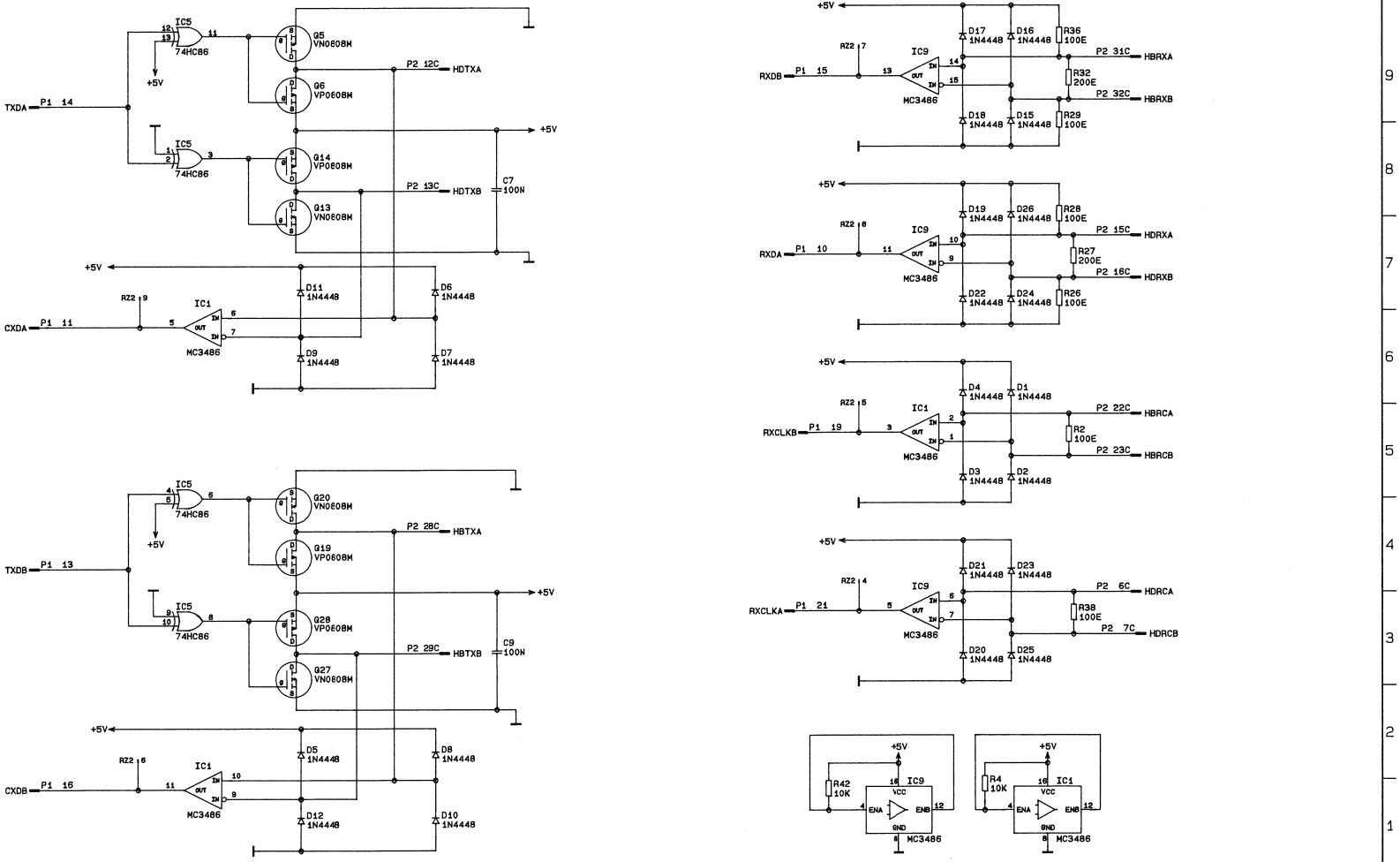
1.990.951.00



⓪ 20.05.92 PG	① 14.09.92 HV	② 01.07.93 PG	○	○
	990/2 MIXING CONSOLE			PAGE 1 OF 4
STUDER	HOST ADAPTER	ESE	SC	1.990.951.00

HOST ADAPTER

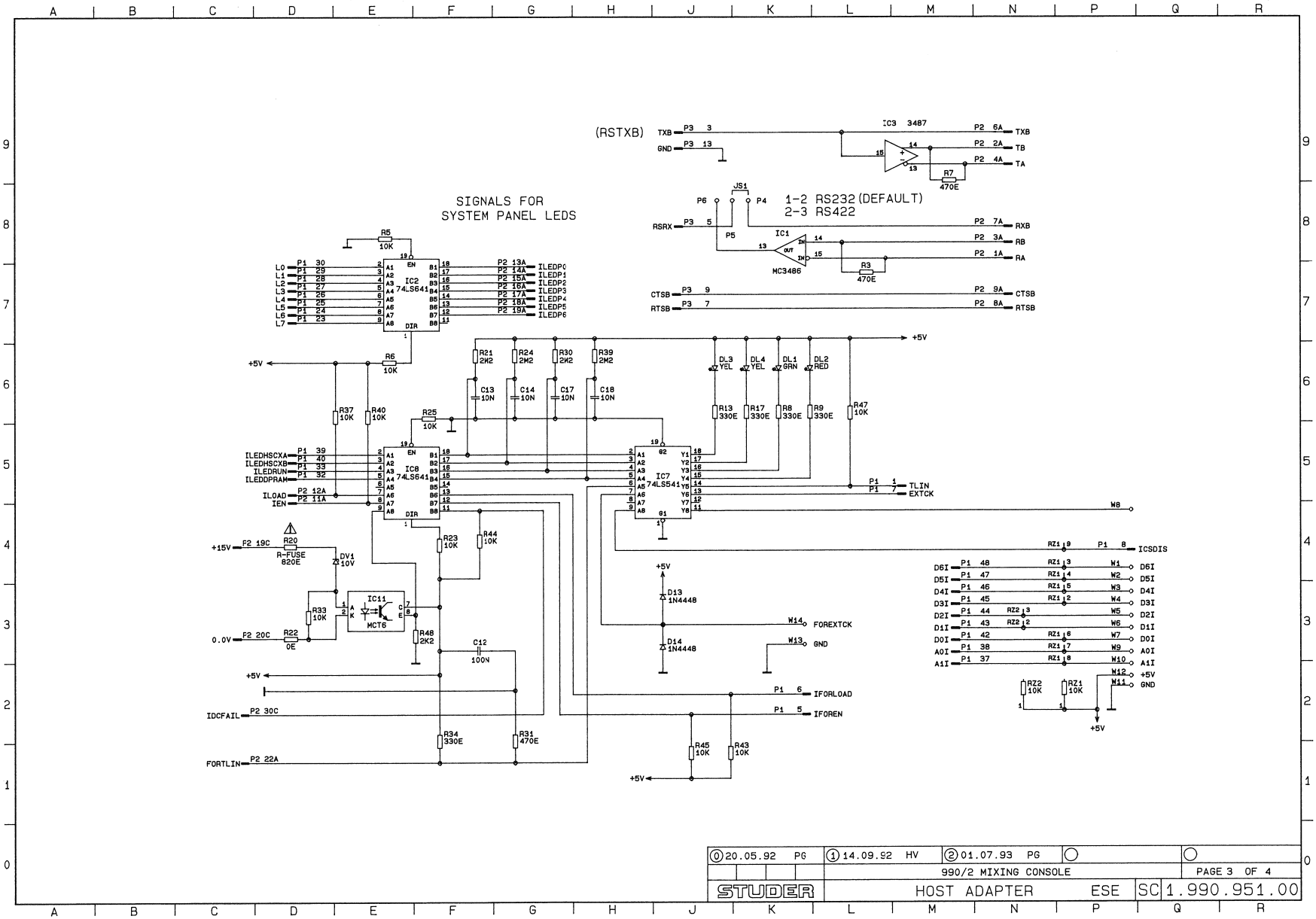
1.990.951.00



⓪ 20.05.92 PG	① 14.09.92 HV	② 01.07.93 PG	○	○
	990/2 MIXING CONSOLE			PAGE 2 OF 4
STUDER	HOST ADAPTER	ESE	SC	1.990.951.00

HOST ADAPTER

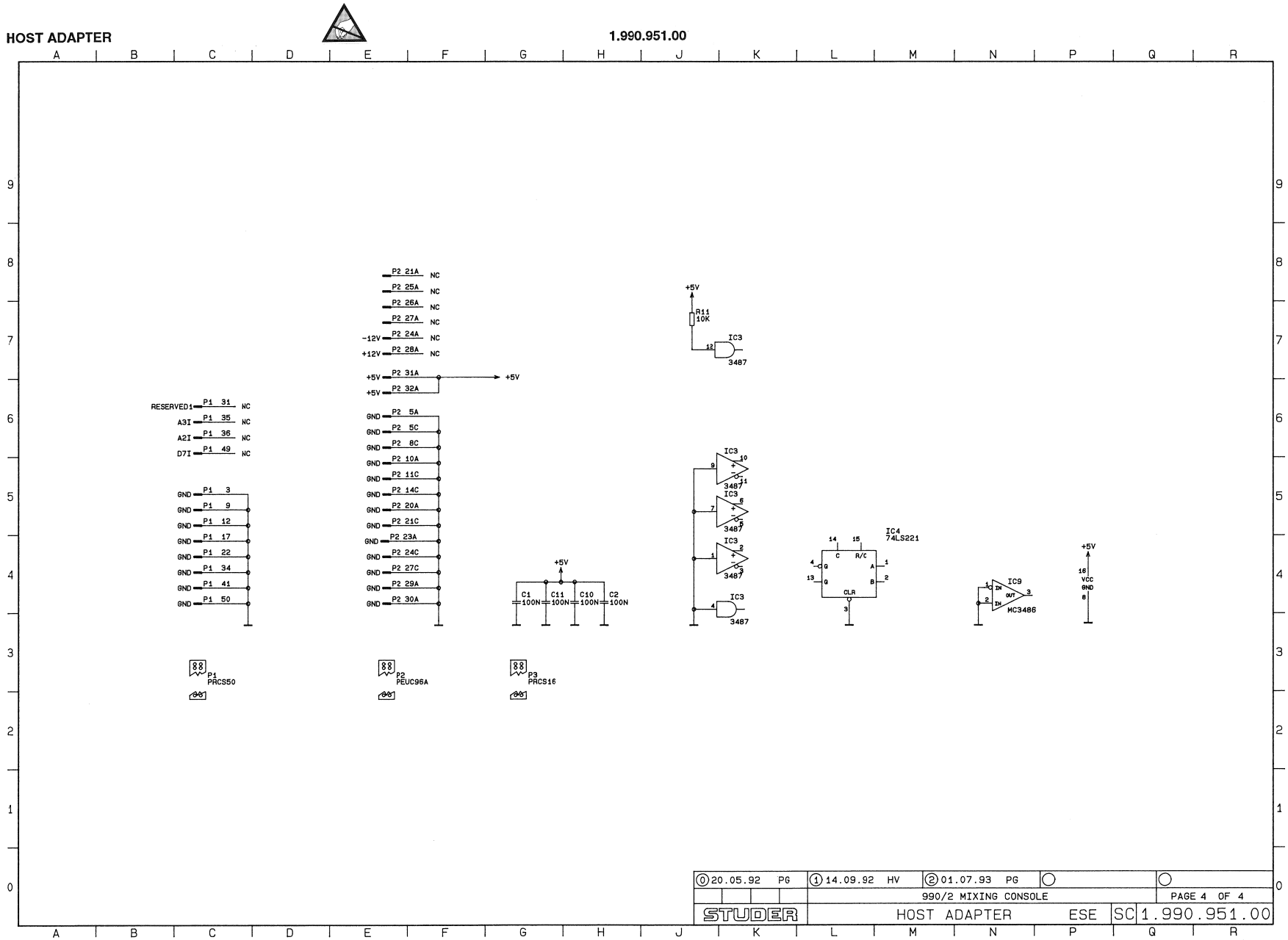
1.990.951.00



⓪ 20.05.92 PG	① 14.09.92 HV	② 01.07.93 PG		
	990/2 MIXING CONSOLE			PAGE 3 OF 4
STUDER	HOST ADAPTER	ESE	SC	1.990.951.00

HOST ADAPTER

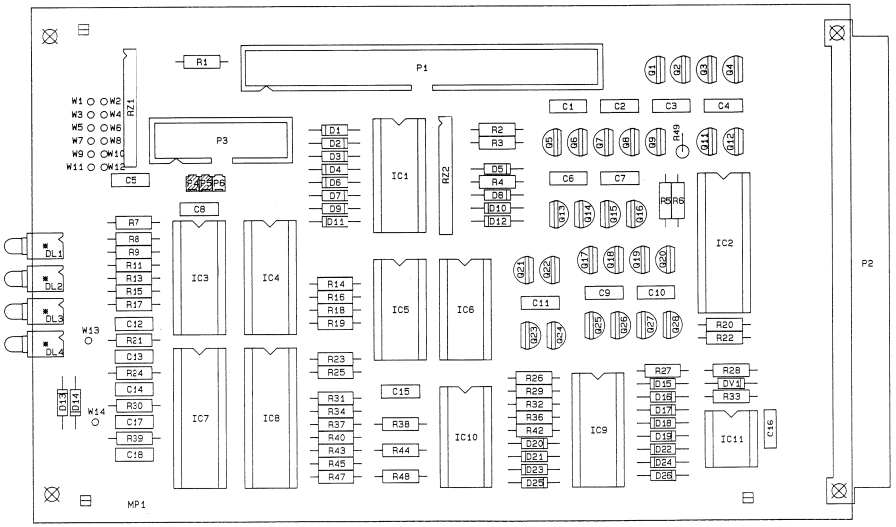
1.990.951.00



⓪20.05.92 PG	①14.09.92 HV	②01.07.93 PG		
	990/2 MIXING CONSOLE			PAGE 4 OF 4
STUDER	HOST ADAPTER	ESE	SC	1.990.951.00

HOST ADAPTER

1.990.951.00



2	01.07.93	PG	PG	VC
1	14.09.92	HV	PER	VC
0	20.05.92	PG	PER	VC
IND.	DATUM	GEZ.	GEPR.	GES.

BLATT 1 VON 1

STUDER	HOST ADAPTER	ESE	BP	1.990.951.00

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C....1	59.06.0104	100n 10 %, 63V	
	C....2	59.06.0104	100n 10 %, 63V	
	C....3	59.06.0104	100n 10 %, 63V	
	C....4	59.06.0104	100n 10 %, 63V	
	C....5	59.06.0104	100n 10 %, 63V	
	C....6	59.06.0104	100n 10 %, 63V	
	C....7	59.06.0104	100n 10 %, 63V	
	C....8	59.06.0104	100n 10 %, 63V	
	C....9	59.06.0104	100n 10 %, 63V	
	C....10	59.06.0104	100n 10 %, 63V	
	C....11	59.06.0104	100n 10 %, 63V	
	C....12	59.06.0104	100n 10 %, 63V	
	C....13	59.06.0103	10n 10 %, 63V	
	C....14	59.06.0103	10n 10 %, 63V	
	C....15	59.06.0104	100n 10 %, 63V	
	C....16	59.06.0104	100n 10 %, 63V	
	C....17	59.06.0103	10n 10 %, 63V	
	C....18	59.06.0103	10n 10 %, 63V	
	D....1	50.04.0125	1N4448 DO35,RECTIFIER	
	D....2	50.04.0125	1N4448 DO35,RECTIFIER	
	D....3	50.04.0125	1N4448 DO35,RECTIFIER	
	D....4	50.04.0125	1N4448 DO35,RECTIFIER	
	D....5	50.04.0125	1N4448 DO35,RECTIFIER	
	D....6	50.04.0125	1N4448 DO35,RECTIFIER	
	D....7	50.04.0125	1N4448 DO35,RECTIFIER	
	D....8	50.04.0125	1N4448 DO35,RECTIFIER	
	D....9	50.04.0125	1N4448 DO35,RECTIFIER	
	D....10	50.04.0125	1N4448 DO35,RECTIFIER	
	D....11	50.04.0125	1N4448 DO35,RECTIFIER	
	D....12	50.04.0125	1N4448 DO35,RECTIFIER	
	D....13	50.04.0125	1N4448 DO35,RECTIFIER	
	D....14	50.04.0125	1N4448 DO35,RECTIFIER	
	D....15	50.04.0125	1N4448 DO35,RECTIFIER	
	D....16	50.04.0125	1N4448 DO35,RECTIFIER	
	D....17	50.04.0125	1N4448 DO35,RECTIFIER	
	D....18	50.04.0125	1N4448 DO35,RECTIFIER	
	D....19	50.04.0125	1N4448 DO35,RECTIFIER	
	D....20	50.04.0125	1N4448 DO35,RECTIFIER	
	D....21	50.04.0125	1N4448 DO35,RECTIFIER	
	D....22	50.04.0125	1N4448 DO35,RECTIFIER	
	D....23	50.04.0125	1N4448 DO35,RECTIFIER	
	D....24	50.04.0125	1N4448 DO35,RECTIFIER	
	D....25	50.04.0125	1N4448 DO35,RECTIFIER	
	D....26	50.04.0125	1N4448 DO35,RECTIFIER	
	DL....1	50.04.2751	GRN, 10MA	
	DL....2	50.04.2750	RED, 10MA	
	DL....3	50.04.2752	YEL, 10MA	
	DL....4	50.04.2752	YEL, 10MA	
	DV....1	50.04.1119	15V 5 %, 0.5W, DO35, ZENER	
01	DV....1	50.04.1114	10V 5 %, 0.5W, DO35, ZENER	
	IC....1	50.15.0104	MC3486 DIP16, QUAD LINE REC. RS422/423	
	IC....2	50.06.1641	74LS641 DIP20, OCTAL BUS TRANSCEIVER	
	IC....3	50.15.0105	3487 DIP16, QUAD LINE DRIVER RS422	
	IC....4	50.06.0221	74LS221 DIP16, DUAL MONOST.MULTIVIBRATOR	
	IC....5	50.17.1086	74HC86 DIP14, QUAD 2-INPUT EXOR2 GATE	
	IC....6	50.17.1086	74HC86 DIP14, QUAD 2-INPUT EXOR2 GATE	
	IC....7	50.06.0541	74LS541 DIP20, OCTAL BUS BUFFER	
	IC....8	50.06.1641	74LS641 DIP20, OCTAL BUS TRANSCEIVER	
	IC....9	50.15.0104	MC3486 DIP16, QUAD LINE REC. RS422/423	
	IC....10	50.17.1086	74HC86 DIP14, QUAD 2-INPUT EXOR2 GATE	
	IC....11	50.99.0111	MCT6 DIP08, OPTOCOUPLER	
	JS....1	54.01.0021	JUMPER	
	MP....1	1.990.951.11	EMPTY PCB	
	MP....2	43.01.0108	ESE STICKER	
	MP....3	1.990.951.04	NUMBER ETIQUETTE	
	P....1	54.14.2005	50-P STR., MALE, RIBBON-CABLE-PLUG	
	P....2	54.01.0358	96P MALE, ANGLE	
	P....3	54.14.2002	16-P STR., MALE, RIBBON-CABLE-PLUG	
	P....4	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....5	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....6	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	Q....1	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....2	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....3	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....4	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....5	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....6	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....7	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....8	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....9	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....10	50.03.1554	VP0808M PFET, TO237, MOS 80V	
01	Q....10	. .	not used	
	Q....11	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....12	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....13	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....14	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....15	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....16	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....17	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....18	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....19	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....20	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....21	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....22	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....23	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....24	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....25	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	Q....26	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....27	50.03.1505	VN0808M NFET, TO237, MOS 80V	
	Q....28	50.03.1554	VP0808M PFET, TO237, MOS 80V	
	R....1	57.11.3101	100E 1 %, 0.3W, MF	
	R....2	57.11.3101	100E 1 %, 0.3W, MF	
	R....3	57.11.3471	470E 1 %, 0.3W, MF	
	R....4	57.11.3103	10k 1 %, 0.3W, MF	
	R....5	57.11.3103	10k 1 %, 0.3W, MF	
	R....6	57.11.3103	10k 1 %, 0.3W, MF	
	R....7	57.11.3471	470E 1 %, 0.3W, MF	
	R....8	57.11.3331	330E 1 %, 0.3W, MF	
	R....9	57.11.3331	330E 1 %, 0.3W, MF	
	R....11	57.11.3103	10k 1 %, 0.3W, MF	
	R....13	57.11.3331	330E 1 %, 0.3W, MF	
	R....14	57.11.3103	10k 1 %, 0.3W, MF	
	R....15	57.11.3104	100k 1 %, 0.3W, MF	
	R....16	57.11.3101	100E 1 %, 0.3W, MF	
	R....17	57.11.3331	330E 1 %, 0.3W, MF	
	R....18	57.11.3103	10k 1 %, 0.3W, MF	
	R....19	57.11.3103	10k 1 %, 0.3W, MF	
	R....20	57.19.0821	820E 5 %, 0.33W, R-FUSE /!\	
	R....21	57.11.5225	2M2 5 %, 0.3W, MF	
	R....22	57.19.0821	820E 5 %, 0.33W, R-FUSE /!\	
01	R....22	57.11.3000	0E	
	R....23	57.11.3103	10k 1 %, 0.3W, MF	
	R....24	57.11.5225	2M2 5 %, 0.3W, MF	
	R....25	57.11.3103	10k 1 %, 0.3W, MF	
	R....26	57.11.3101	100E 1 %, 0.3W, MF	
	R....27	57.11.3201	200E 1 %, 0.3W, MF	
	R....28	57.11.3101	100E 1 %, 0.3W, MF	
	R....29	57.11.3101	100E 1 %, 0.3W, MF	
	R....30	57.11.5225	2M2 5 %, 0.3W, MF	
	R....31	57.11.3471	470E 1 %, 0.3W, MF	
	R....32	57.11.3201	200E 1 %, 0.3W, MF	
	R....33	57.11.3103	10k 1 %, 0.3W, MF	
	R....34	57.11.3331	330E 1 %, 0.3W, MF	
	R....36	57.11.3101	100E 1 %, 0.3W, MF	
	R....37	57.11.3103	10k 1 %, 0.3W, MF	
	R....38	57.11.3101	100E 1 %, 0.3W, MF	
	R....39	57.11.5225	2M2 5 %, 0.3W, MF	
	R....40	57.11.3103	10k 1 %, 0.3W, MF	
	R....42	57.11.3103	10k 1 %, 0.3W, MF	
	R....43	57.11.3103	10k 1 %, 0.3W, MF	
	R....44	57.11.3331	330E 1 %, 0.3W, MF	
01	R....44	57.11.3103	10k 1 %, 0.3W, MF	
	R....45	57.11.3103	10k 1 %, 0.3W, MF	
	R....46	57.11.3471	470E 1 %, 0.3W, MF	
01	R....46	. .	not used	
	R....47	57.11.3103	10k 1 %, 0.3W, MF	
	R....48	57.11.3222	2k2 1 %, 0.3W, MF	
01	R....49	57.11.3103	10k 1 %, 0.3W, MF	
	RZ....1	57.88.4103	10k 2 %, 0.125W, SIP09, 8 * 10K	
	RZ....2	57.88.4103	10k 2 %, 0.125W, SIP09, 8 * 10K	
	XIC...1	53.03.0168	DIL16 SOCKET FOR IC1	
	XIC...2	53.03.0165	DIL20 SOCKET FOR IC2	
	XIC...3	53.03.0168	DIL16 SOCKET FOR IC3	
	XIC...4	53.03.0168	DIL16 SOCKET FOR IC4	
	XIC...5	53.03.0167	DIL14 SOCKET FOR IC5	
	XIC...6	53.03.0167	DIL14 SOCKET FOR IC6	
	XIC...7	53.03.0165	DIL20 SOCKET FOR IC7	
	XIC...8	53.03.0165	DIL20 SOCKET FOR IC8	
	XIC...9	53.03.0168	DIL16 SOCKET FOR IC9	
	XIC..10	53.03.0167	DIL14 SOCKET FOR IC10	
	XIC..11	53.03.0166	DIL8 SOCKET FOR IC11	

1.990.951-00 HOST ADAPTER PG 92/05/2000

1.990.951-00 HOST ADAPTER FRI93/07/0101

END

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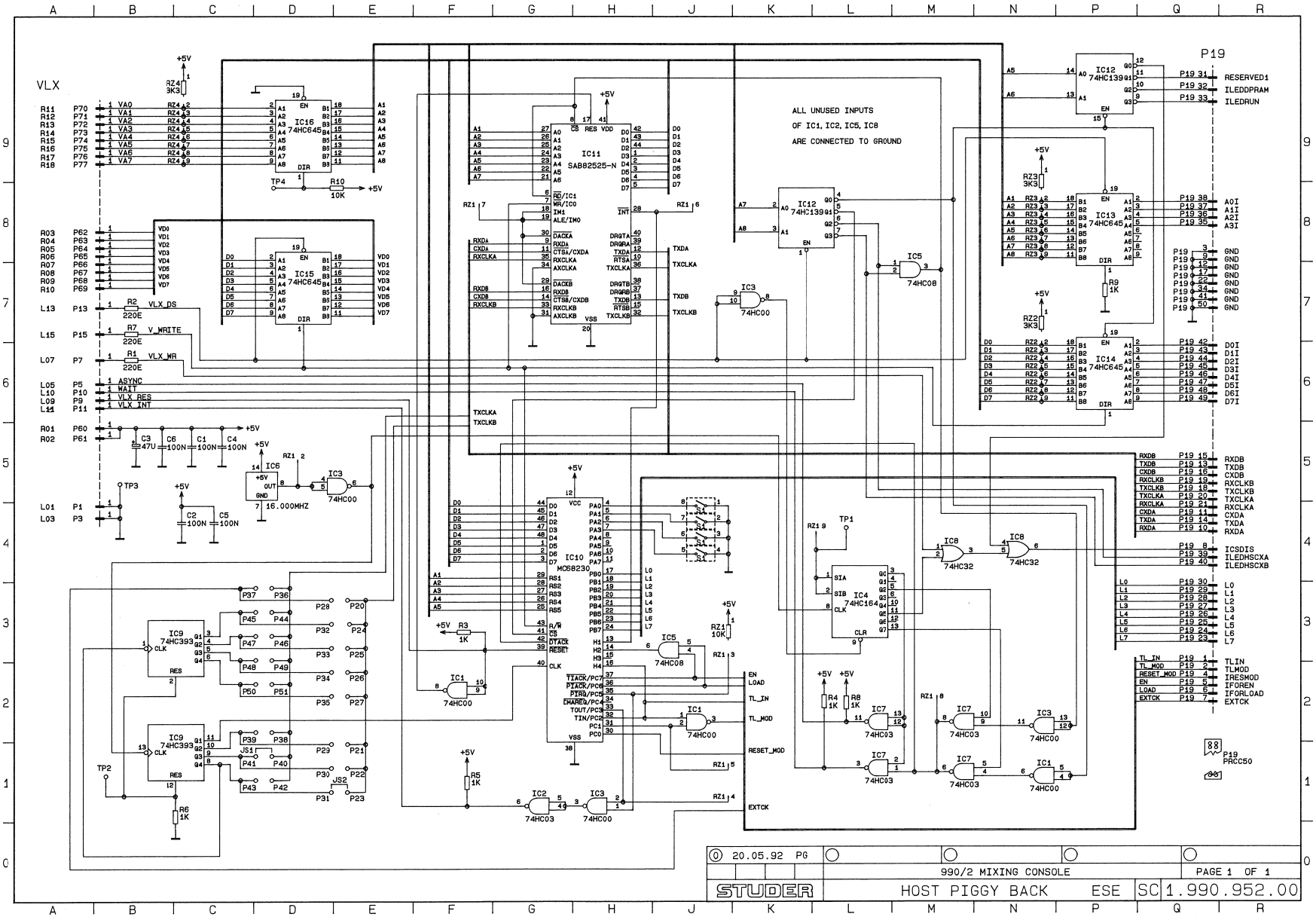
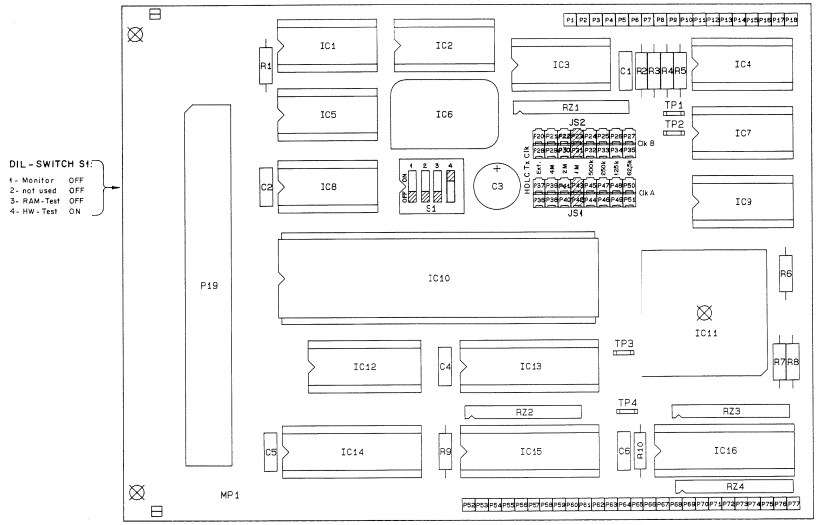
HOST PIGGY BACK

1.990.952.00



HOST PIGGY BACK

1.990.952.00



IND.	DATUM	GEZ.	GEPR.	GES.
1	16.09.92			
0	20.05.92	PG		

BLATT 1 VON 1

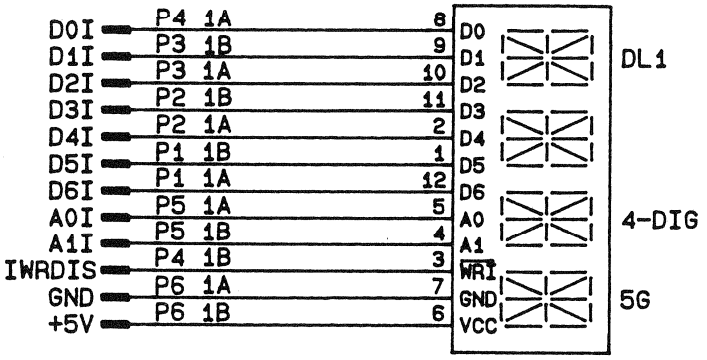
STUDER	HOST PIGGY BACK ESE	BP	1.990.952.00

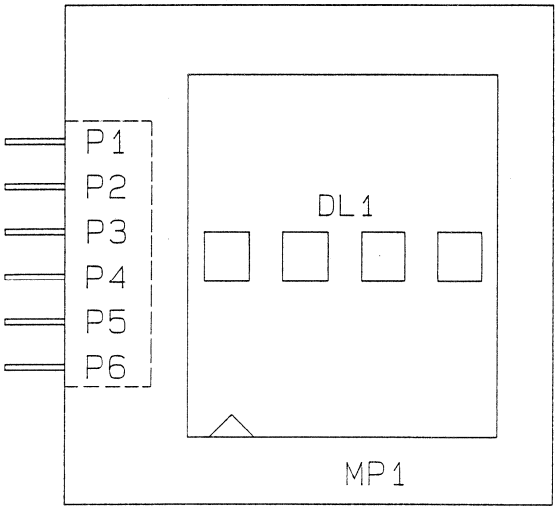
Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C.....1	59.06.0104	100n 10 %, 63V	
	C.....2	59.06.0104	100n 10 %, 63V	
	C.....3	59.22.4470	47u -20/+50 %, 16V	
	C.....4	59.06.0104	100n 10 %, 63V	
	C.....5	59.06.0104	100n 10 %, 63V	
	C.....6	59.06.0104	100n 10 %, 63V	
	IC....1	50.17.1000	74HC00 DIP14, QUAD 2-INPUT NAND GATE	
	IC....2	50.17.1003	74HC03 DIP14, QUAD 2-INPUT NAND GATE	
	IC....3	50.17.1000	74HC00 DIP14, QUAD 2-INPUT NAND GATE	
	IC....4	50.17.1164	74HC164 DIP14, 8BIT SI/PO SHIFT REGISTER	
	IC....5	50.17.1008	74HC08 DIP14, QUAD 2-INPUT AND GATE	
	IC....6	89.01.1800	16.000MHZ Y-OSCI	
	IC....7	50.17.1003	74HC03 DIP14, QUAD 2-INPUT NAND GATE	
	IC....8	50.17.1032	74HC32 DIP14, QUAD 2-INPUT OR GATE	
	IC....9	50.17.1393	74HC393 DIP14, DUAL BINARY COUNTER	
	IC...10	50.16.0150	MC68230-P8 DIP48, PARALLEL IF / TIMER	
	IC...11	50.63.0200	SAB82525-N PLCC44, HIGH LEVEL SER.COMM.CON	
	IC...12	50.17.1139	74HC139 DIP16, DUAL 2 TO 4 LINE DECODER	
	IC...13	50.17.1645	74HC645 DIP20, OCTAL BUS TRANSCEIVER	
	IC...14	50.17.1645	74HC645 DIP20, OCTAL BUS TRANSCEIVER	
	IC...15	50.17.1645	74HC645 DIP20, OCTAL BUS TRANSCEIVER	
	IC...16	50.17.1645	74HC645 DIP20, OCTAL BUS TRANSCEIVER	
	JS....1	54.01.0021	JUMPER	
	JS....2	54.01.0021	JUMPER	
	MP....1	1.990.952.11	EMPTY PCB	
	MP....2	43.01.0108	ESE STICKER	
	MP....3	1.990.952.04	NUMBER ETIQUETTE	
	P.....1	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P.....2	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P.....3	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P.....4	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P.....5	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P.....6	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P.....7	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P.....8	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P.....9	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....10	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....11	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....12	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....13	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....14	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....15	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....16	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....17	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....18	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....19	1.023.115.02	50-P RIBBON-CABLE COMPLETE	
	P....20	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....21	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....22	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....23	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....24	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....25	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....26	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....27	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....28	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....29	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....30	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....31	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....32	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....33	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....34	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....35	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....36	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....37	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....38	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....39	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....40	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....41	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....42	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....43	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....44	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....45	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....46	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....47	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....48	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....49	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....50	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....51	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....52	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....53	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....54	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....55	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....56	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....57	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....58	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....59	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....60	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....61	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....62	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....63	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....64	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....65	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....66	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....67	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....68	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....69	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....70	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....71	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....72	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....73	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....74	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....75	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....76	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	P....77	54.99.0360	1-P STR., MALE, SOLDER PLUG	
	R.....1	57.11.3221	220E 1 %, 0.6W, MF	
	R.....2	57.11.3221	220E 1 %, 0.6W, MF	
	R.....3	57.11.3102	1k 1 %, 0.6W, MF	
	R.....4	57.11.3102	1k 1 %, 0.6W, MF	
	R.....5	57.11.3102	1k 1 %, 0.6W, MF	
	R.....6	57.11.3102	1k 1 %, 0.6W, MF	
	R.....7	57.11.3221	220E 1 %, 0.6W, MF	
	R.....8	57.11.3102	1k 1 %, 0.6W, MF	
	R.....9	57.11.3102	1k 1 %, 0.6W, MF	
	R....10	57.11.3103	10k 1 %, 0.6W, MF	
	RZ....1	57.88.4103	10k 2 %, 0.125W, SIP09, 8 * 10K	
	RZ....2	57.88.4332	3k3 2 %, 0.125W, SIP09, 8 * 3K3	
	RZ....3	57.88.4332	3k3 2 %, 0.125W, SIP09, 8 * 3K3	
	RZ....4	57.88.4332	3k3 2 %, 0.125W, SIP09, 8 * 3K3	
	S.....1	55.01.0164	4*a 100MA, 24V, DIL-SWITCH (4)	
	TP....1	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	TP....2	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	TP....3	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	TP....4	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	XIC...1	53.03.0167	DIL14 SOCKET FOR IC1	
	XIC...2	53.03.0167	DIL14 SOCKET FOR IC2	
	XIC...3	53.03.0167	DIL14 SOCKET FOR IC3	
	XIC...4	53.03.0167	DIL14 SOCKET FOR IC4	
	XIC...5	53.03.0167	DIL14 SOCKET FOR IC5	
	XIC...7	53.03.0167	DIL14 SOCKET FOR IC7	
	XIC...8	53.03.0167	DIL14 SOCKET FOR IC8	
	XIC...9	53.03.0167	DIL14 SOCKET FOR IC9	
	XIC..10	53.03.0218	DIL48 SOCKET FOR IC10 (48PCS)	
	XIC..11	53.03.2244	PLCC44 SOCKET FOR IC11	
	XIC..12	53.03.0168	DIL16 SOCKET FOR IC12	
	XIC..13	53.03.0165	DIL20 SOCKET FOR IC13	
	XIC..14	53.03.0165	DIL20 SOCKET FOR IC14	
	XIC..15	53.03.0165	DIL20 SOCKET FOR IC15	
	XIC..16	53.03.0165	DIL20 SOCKET FOR IC16	

1.990.952-00 HOST PIGGY BACK MEN92/05/2000

END

DISPLAY BOARD 1.990.953.00



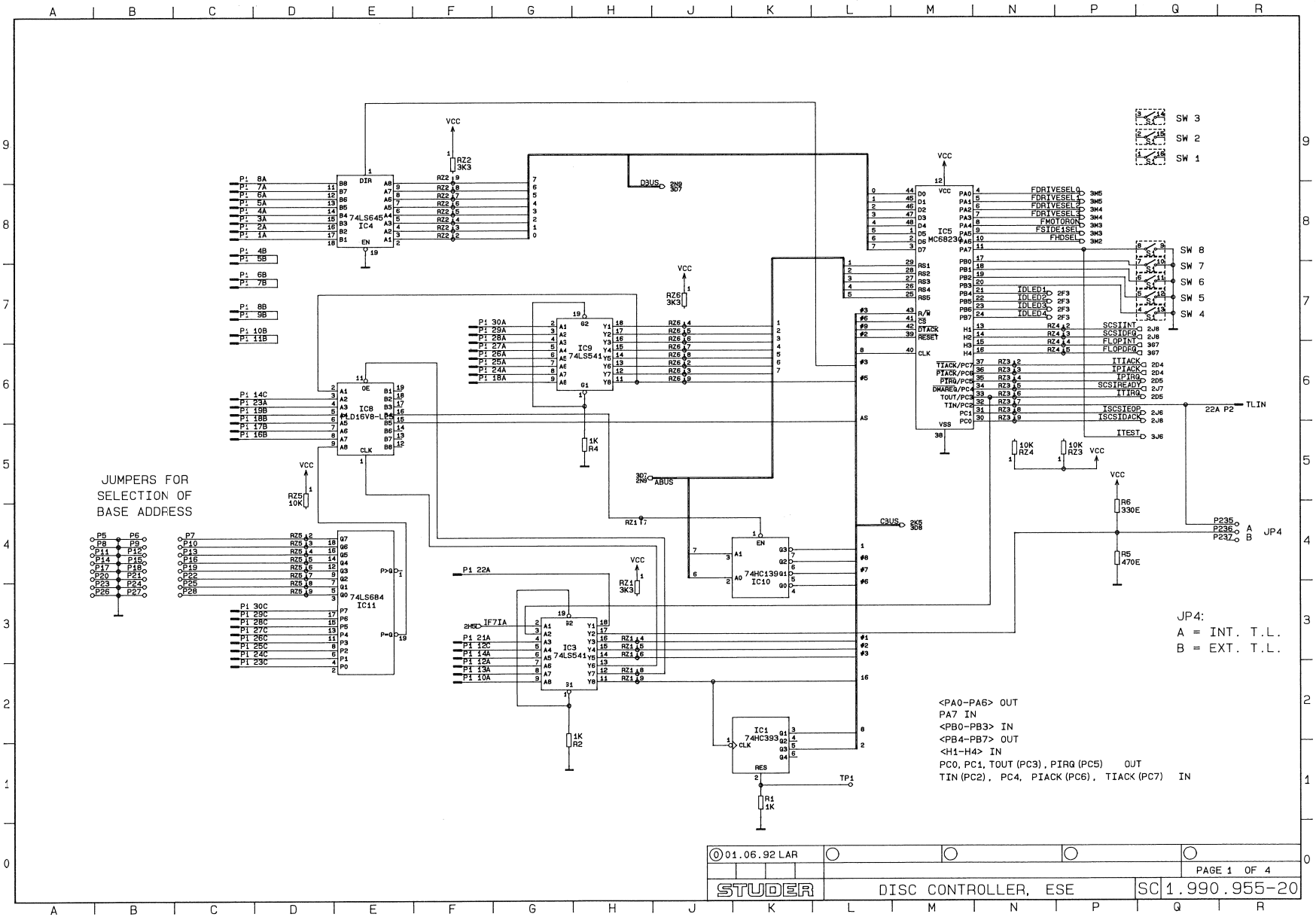


Ad	..POS..	...REF.No...	DESCRIPTION			.....MANUFACTURER
	DL....1	73.01.0127	4-DIG	17-SEG,	LED	
	MP....1	1.990.953.11		Empty PCB		
	MP....2	1.990.953.04		NR.-ETIKETTE	5 * 20	
	P.....1	54.11.0130	2-P	ANG.,	MALE, P-STRIP AU	
	P.....2	54.11.0130	2-P	ANG.,	MALE, P-STRIP AU	
	P.....3	54.11.0130	2-P	ANG.,	MALE, P-STRIP AU	
	P.....4	54.11.0130	2-P	ANG.,	MALE, P-STRIP AU	
	P.....5	54.11.0130	2-P	ANG.,	MALE, P-STRIP AU	
	P.....6	54.11.0130	2-P	ANG.,	MALE, P-STRIP AU	
		1.990.953-00	DISPLAY BOARD			MEL92/04/0700

⓪ 07-04-92 PG			
	990/2 MIXING CONSOLE		PAGE 1 OF 1
STUDER	DISPLAY BOARD	SC	1.990.953.00

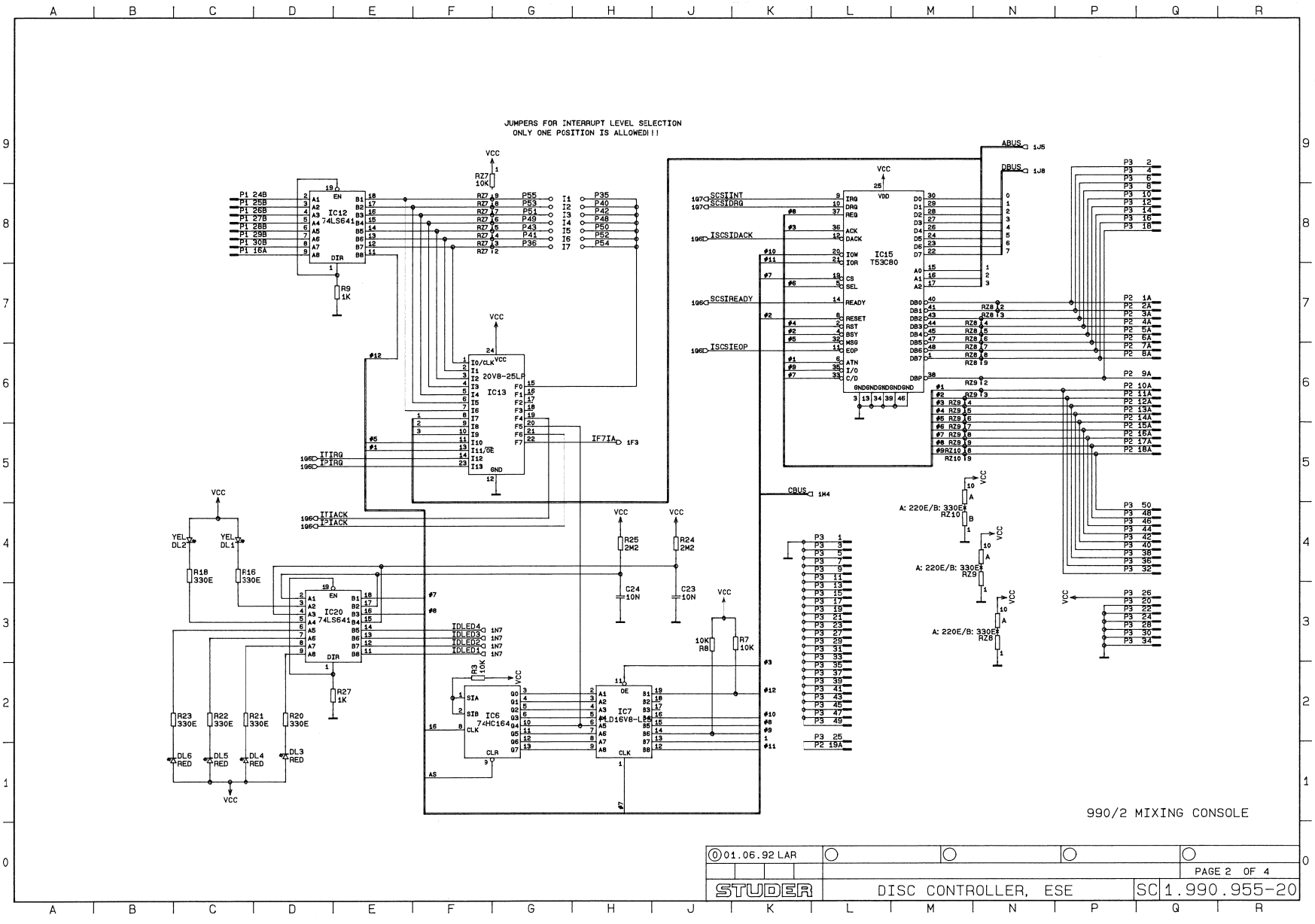
DISC CONTROLLER

1.990.955.20

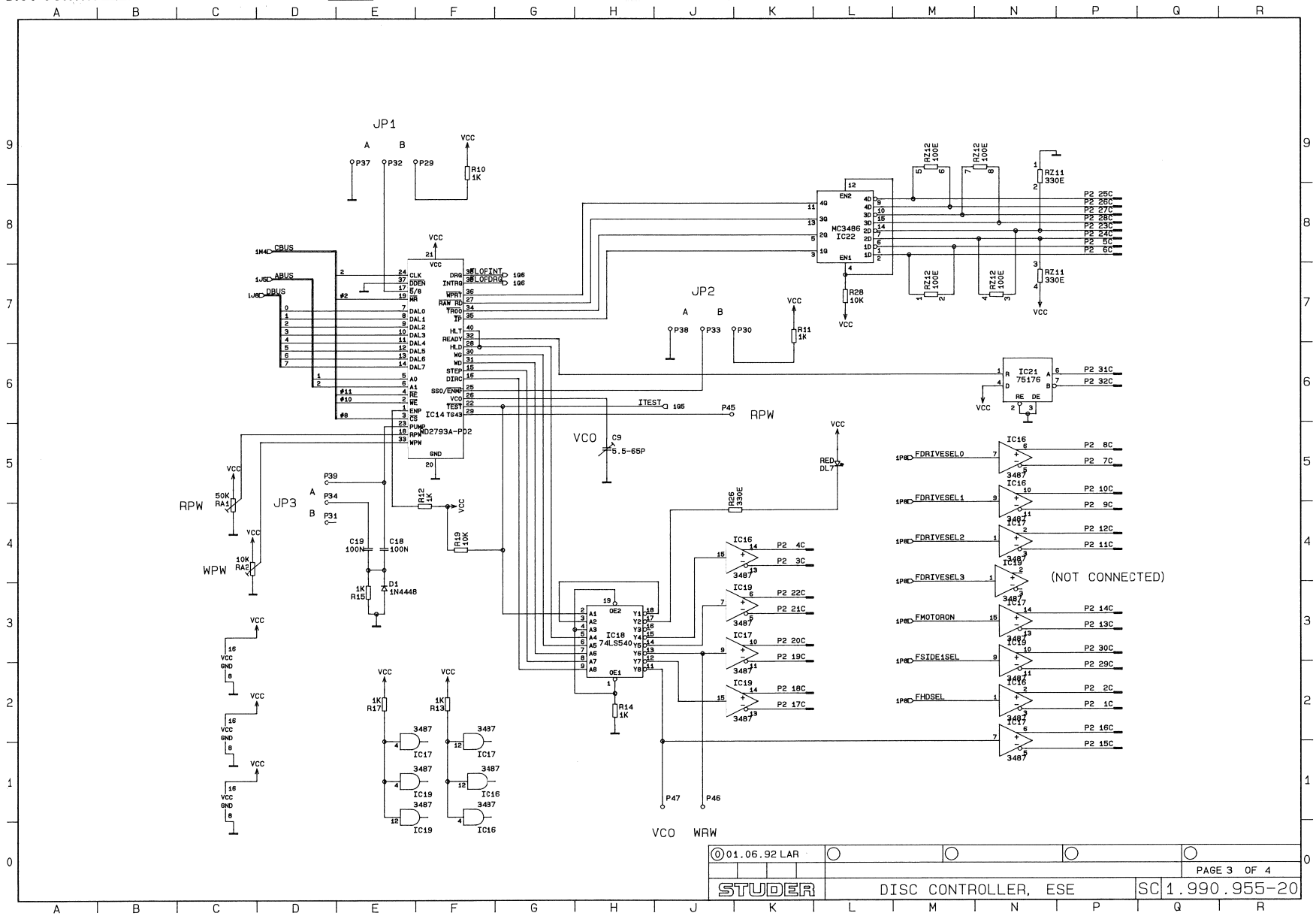


DISC CONTROLLER

1.990.955.20



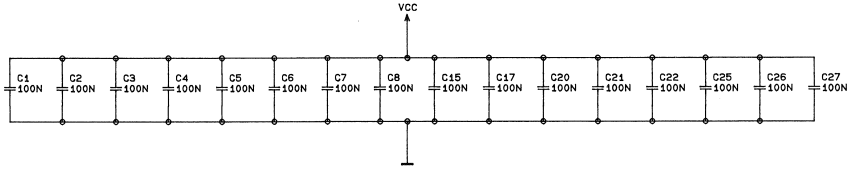
DISC CONTROLLER 1.990.955.20

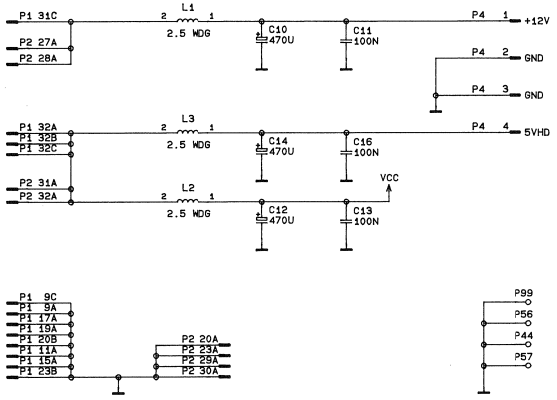


DISC CONTROLLER 1.990.955.20

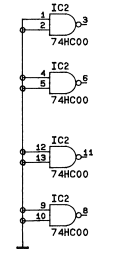
TUNING SW8 ON

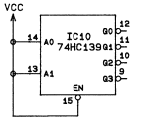
	SKOPE	HD	DD
VCO		500 KHZ	250 KHZ
RPW		250 NS	500 NS
WRW		200 NS	200 NS
JP1		B	A
JP2		B	A
JP3		B	A

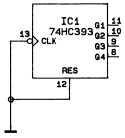




(POWER SUPPLY FOR HARD DISK)



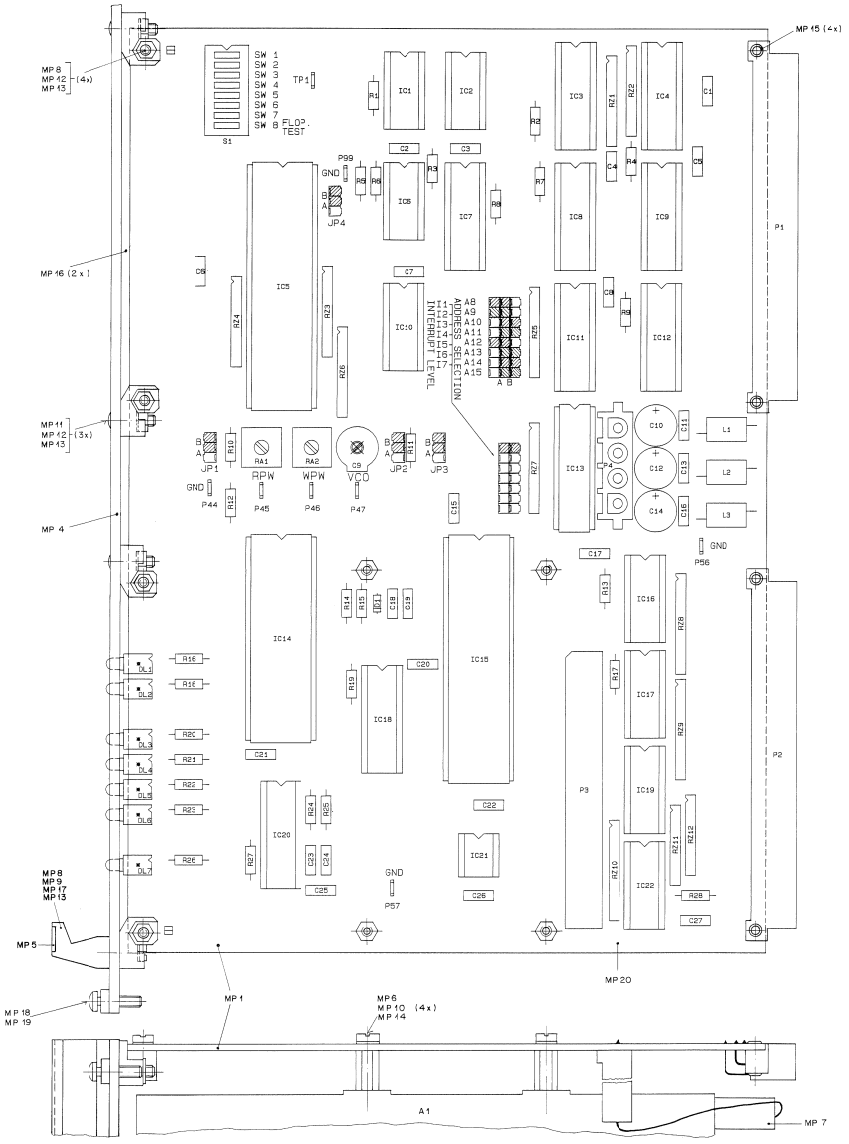


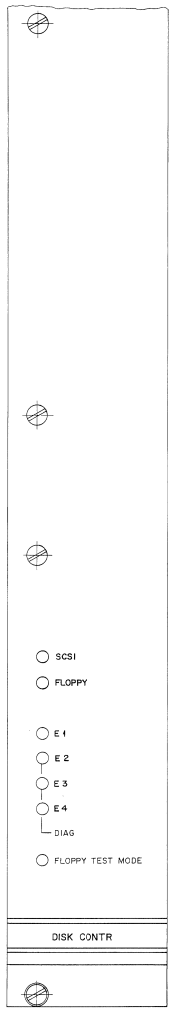


⓪01.06.92 LAR			PAGE 4 OF 4
STUDER	DISC CONTROLLER, ESE	SC	1.990.955-20

DISC CONTF

1.990.955.20





Änderung					
Ausgabe	21.8.92				
Datum	Gez.	Gepr.	Gen.	Index	

Kopie für:

STUDER REGENSDORF ZÜRICH | Benennung: DISC CONTROLLER MK II ESE | Nummer: 1.990.955-20

Ad	..POS..	...REF.No...		DESCRIPTION.....MANUFACTURER
	A....1	89.20.0011		HARD DISK DRIVE 120 MB 3.5"
	C....1	59.06.0104	100n	10 %, 63V
	C....2	59.06.0104	100n	10 %, 63V
	C....3	59.06.0104	100n	10 %, 63V
	C....4	59.06.0104	100n	10 %, 63V
	C....5	59.06.0104	100n	10 %, 63V
	C....6	59.06.0104	100n	10 %, 63V
	C....7	59.06.0104	100n	10 %, 63V
	C....8	59.06.0104	100n	10 %, 63V
	C....9	59.18.0102	5.5-65p	C-TRIM
	C....10	59.22.4471	470u	-20/+50 %, 16V
	C....11	59.06.0104	100n	10 %, 63V
	C....12	59.22.4471	470u	-20/+50 %, 16V
	C....13	59.06.0104	100n	10 %, 63V
	C....14	59.22.4471	470u	-20/+50 %, 16V
	C....15	59.06.0104	100n	10 %, 63V
	C....16	59.06.0104	100n	10 %, 63V
	C....17	59.06.0104	100n	10 %, 63V
	C....18	59.06.0104	100n	10 %, 63V
	C....19	59.06.0104	100n	10 %, 63V
	C....20	59.06.0104	100n	10 %, 63V
	C....21	59.06.0104	100n	10 %, 63V
	C....22	59.06.0104	100n	10 %, 63V
	C....23	59.06.0103	10n	10 %, 63V
	C....24	59.06.0103	10n	10 %, 63V
	C....25	59.06.0104	100n	10 %, 63V
	C....26	59.06.0104	100n	10 %, 63V
	C....27	59.06.0104	100n	10 %, 63V
	D....1	50.04.0125	1N4448	DO35,RECTIFIER
	DL....1	50.04.2752		YEL, 10MA
	DL....2	50.04.2752		YEL, 10MA
	DL....3	50.04.2750		RED, 10MA
	DL....4	50.04.2750		RED, 10MA
	DL....5	50.04.2750		RED, 10MA
	DL....6	50.04.2750		RED, 10MA
	DL....7	50.04.2750		RED, 10MA
	IC....1	50.17.1393	74HC393	DIP14, DUAL BINARY COUNTER
	IC....2	50.17.1000	74HC00	DIP14, QUAD 2-INPUT NAND GATE
	IC....3	50.06.0541	74LS541	DIP20, OCTAL BUS BUFFER
	IC....4	50.06.0645	74LS645	DIP20, OCTAL BUS TRANSCEIVER
	IC....5	50.16.0150	MC68230-P8	DIP48, PARALLEL IF / TIMER
	IC....6	50.17.1164	74HC164	DIP14, 8BIT SI/PO SHIFT REGISTER
	IC....7	50.18.0100	PLD16V8	DIP20, PROG. LOGIC DEVICE 8 INP.
	IC....8	50.18.0100	PLD16V8	DIP20, PROG. LOGIC DEVICE 8 INP.
	IC....9	50.06.0541	74LS541	DIP20, OCTAL BUS BUFFER
	IC...10	50.17.1139	74HC139	DIP16, DUAL 2 TO 4 LINE DECODER
	IC...11	50.06.0684	74LS684	DIP20, 8BIT MAGNITUDE COMPARATOR
	IC...12	50.06.1641	74LS641	DIP20, OCTAL BUS TRANSCEIVER
	IC...13	50.18.0101	20V8-25LP	DIP24, GAL 12-INP. 8-MACROCELLS
	IC...14	50.16.0126		WD2793A-P02,,, DIP40 ,FLOPPY CONTROLLER
	IC...15	50.16.0700	T53C80	DIP48, SCSI BUS CONTR. 15MBPS
	IC...16	50.15.0105	3487	DIP16, QUAD LINE DRIVER RS422
	IC...17	50.15.0105	3487	DIP16, QUAD LINE DRIVER RS422
	IC...18	50.06.0540	74LS540	DIP20, OCTAL BUFFER INV
	IC...19	50.15.0105	3487	DIP16, QUAD LINE DRIVER RS422
	IC...20	50.06.1641	74LS641	DIP20, OCTAL BUS TRANSCEIVER
	IC...21	50.15.0115	75176	DIP08, DIFF. BUS TRANSCEIVER
	IC...22	50.15.0104	MC3486	DIP16, QUAD LINE REC. RS422/423
	JP....1	54.01.0021		JUMPER
	JP....2	54.01.0021		JUMPER
	JP....3	54.01.0021		JUMPER
	JP....4	54.01.0021		JUMPER
	JP....5	54.01.0021		JUMPER
	JP....6	54.01.0021		JUMPER
	JP....7	54.01.0021		JUMPER
	JP....8	54.01.0021		JUMPER
	JP....9	54.01.0021		JUMPER
	JP...10	54.01.0021		JUMPER
	JP...11	54.01.0021		JUMPER
	JP...12	54.01.0021		JUMPER
	JP...13	54.01.0021		JUMPER
	L....1	62.01.0115	2.5WD	WIDEBAND CHOKE
	L....2	62.01.0115	2.5WD	WIDEBAND CHOKE
	L....3	62.01.0115	2.5WD	WIDEBAND CHOKE
	MP....1	1.990.955.11	1 pcs	DISK CONTROLLER PCB
	MP....2	43.01.0108	1 pcs	ESE-WARNSCHILD
	MP....3	1.990.955.04	0 pcs	STUDER-NR.-ETIKETTE 10 * 20
	MP....4	1.990.955.01	1 pcs	FRONTPLATTE DISK CONTR.MK2
	MP....5	1.990.955.02	1 pcs	GRIFFEINLAGE DISK CONTROLLER
	MP....6	1.990.955.03	4 pcs	GEWINDEBOLZEN
	MP....7	1.990.955.93	1 pcs	LITZENLISTE DISK CONTROLLER
	MP....8	21.01.0280	5 pcs	Z - SCHR. , ZN , M2.5 * 8
	MP....9	21.01.0281	1 pcs	Z - SCHR. , ZN , M2.5 * 10
	MP...10	21.01.0354	4 pcs	Z - SCHR. , ZN , M 3 * 6
	MP...11	21.02.3281	3 pcs	LS- SCHR. , NI , M2.5 * 10
	MP...12	22.01.8025	7 pcs	6KT-MUTTER D.8 D , M 2.5
	MP...13	24.16.1025	8 pcs	RIPPENSCHEIBE D 2.7/ 5
	MP...14	24.16.1030	4 pcs	RIPPENSCHEIBE D 3.2/5.5
	MP...15	28.99.0119	4 pcs	ROHRNIETE D 2.5*0.15* 9
	MP...16	49.02.0004	2 pcs	LEITERPLATTENHALTER
	MP...17	49.02.0007	1 pcs	FRONTPLATTENGRIFF, L=39.2 MM
	MP...18	49.02.0321	2 pcs	LZ-SCHR. M 3 * 11.3
	MP...19	49.02.0322	2 pcs	GEWINDE-BUCHSE M 3
	MP...20	23.01.1027	4 pcs	U-SCHEIBE D 2.7/ 5 *0.5

DISC CONTROLLER

1.990.955.20

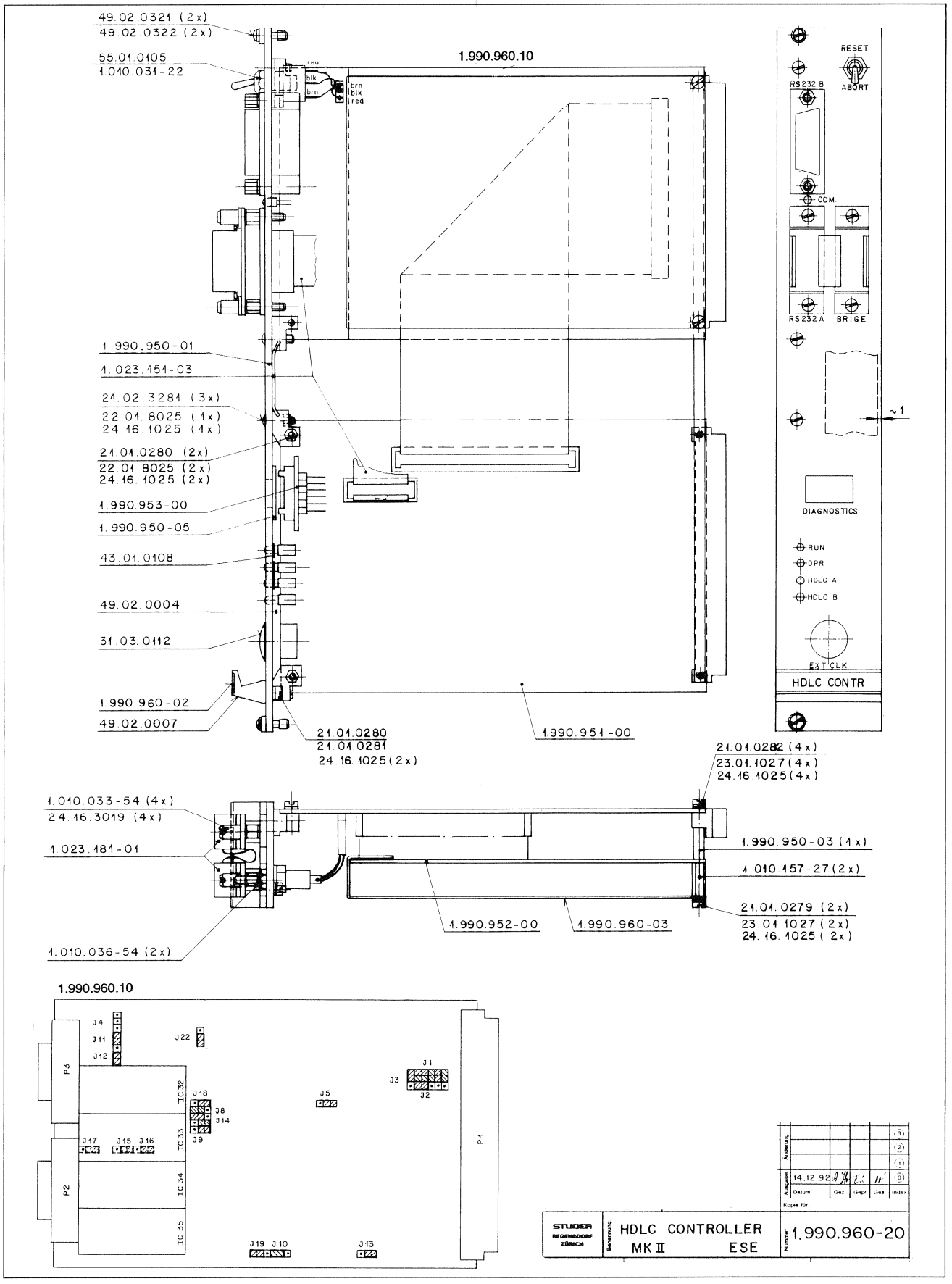
Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	P.....1	54.01.0358	96-P ANG., MALE, P-EU-C 3*32P	
	P.....2	54.01.0358	96-P ANG., MALE, P-EU-C 3*32P	
	P.....3	1.023.115.01	50-P , RIBBON-CABLE COMPLETE	
	P.....4	54.25.0004	4-P 16A, FEM., J-AMP, VERTICAL	
	P.....5	54.01.0020	1-P STR., MALE. P-STRIP AU 8MM	
	P.....6	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P.....7	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P.....8	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P.....9	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....10	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....11	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....12	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....13	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....14	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....15	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....16	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....17	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....18	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....19	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....20	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....21	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....22	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....23	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....24	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....25	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....26	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....27	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....28	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....29	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....30	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....31	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....32	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....33	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....34	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....35	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....36	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....37	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....38	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....39	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....40	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....41	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....42	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....43	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....44	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	P....45	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	P....46	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	P....47	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	P....48	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....49	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....50	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....51	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....52	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....53	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....54	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....55	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P....56	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	P....57	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	P....99	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	P...235	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P...236	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	P...237	54.01.0020	1-P STR., MALE, P-STRIP AU 8MM	
	R.....1	57.11.3102	1k 1 %, 0.6W, MF	
	R.....2	57.11.3102	1k 1 %, 0.6W, MF	
	R.....3	57.11.3103	10k 1 %, 0.6W, MF	
	R.....4	57.11.3102	1k 1 %, 0.6W, MF	
	R.....5	57.11.3471	470E 1 %, 0.6W, MF	
	R.....6	57.11.3331	330E 1 %, 0.6W, MF	
	R.....7	57.11.3103	10k 1 %, 0.6W, MF	
	R.....8	57.11.3103	10k 1 %, 0.6W, MF	
	R.....9	57.11.3102	1k 1 %, 0.6W, MF	
	R....10	57.11.3102	1k 1 %, 0.6W, MF	
	R....11	57.11.3102	1k 1 %, 0.6W, MF	
	R....12	57.11.3102	1k 1 %, 0.6W, MF	
	R....13	57.11.3102	1k 1 %, 0.6W, MF	
	R....14	57.11.3102	1k 1 %, 0.6W, MF	
	R....15	57.11.3102	1k 1 %, 0.6W, MF	
	R....16	57.11.3331	330E 1 %, 0.6W, MF	
	R....17	57.11.3102	1k 1 %, 0.6W, MF	
	R....18	57.11.3331	330E 1 %, 0.6W, MF	
	R....19	57.11.3103	10k 1 %, 0.6W, MF	
	R....20	57.11.3331	330E 1 %, 0.6W, MF	
	R....21	57.11.3331	330E 1 %, 0.6W, MF	
	R....22	57.11.3331	330E 1 %, 0.6W, MF	
	R....23	57.11.3331	330E 1 %, 0.6W, MF	
	R....24	57.11.5225	2M2 5 %, 0.4W, MF	
	R....25	57.11.5225	2M2 5 %, 0.4W, MF	
	R....26	57.11.3331	330E 1 %, 0.6W, MF	
	R....27	57.11.3102	1k 1 %, 0.6W, MF	
	R....28	57.11.3103	10k 1 %, 0.6W, MF	
	RA....1	58.01.8503	50k 10 %, 0.5W, HOR. PGM	
	RA....2	58.01.8103	10k 10 %, 0.5W, HOR. PGM	
	RZ....1	57.88.4332	3k3 2 %, 0.125W, SIP09, 8 * 3K3	
	RZ....2	57.88.4332	3k3 2 %, 0.125W, SIP09, 8 * 3K3	
	RZ....3	57.88.4103	10k 2 %, 0.125W, SIP09, 8 * 10K	
	RZ....4	57.88.4103	10k 2 %, 0.125W, SIP09, 8 * 10K	
	RZ....5	57.88.4103	10k 2 %, 0.125W, SIP09, 8 * 10K	
	RZ....6	57.88.4332	3k3 2 %, 0.125W, SIP09, 8 * 3K3	
	RZ....7	57.88.4103	10k 2 %, 0.125W, SIP09, 8 * 10K	
	RZ....8	57.80.4005	220/330E 2 %, 0.10W, SIP10,COMMON VCC	
	RZ....9	57.80.4005	220/330E 2 %, 0.10W, SIP10,COMMON VCC	
	RZ...10	57.80.4005	220/330E 2 %, 0.10W, SIP10,COMMON VCC	
	RZ...11	57.88.2331	330E 2 %, 0.125W, SIP08, 4 * 330E	
	RZ...12	57.88.2101	100E 2% SIP08, 0.125W	
	S.....1	55.01.0168	8*a 100MA, 24V, DIL-SWITCH (8)	
	TP....1	54.02.0320	1-P STR., MALE, FLATPIN 2.8*0.8	
	XIC...1	53.03.0167	DIL14 SOCKET FOR IC1	
	XIC...2	53.03.0167	DIL14 SOCKET FOR IC2	
	XIC...3	53.03.0165	DIL20 SOCKET FOR IC3	
	XIC...4	53.03.0165	DIL20 SOCKET FOR IC4	
	XIC...5	53.03.0218	DIL48 SOCKET FOR IC5 *** 48PCS ***	
	XIC...6	53.03.0167	DIL14 SOCKET FOR IC6	
	XIC...7	53.03.0165	DIL20 SOCKET FOR IC7	
	XIC...8	53.03.0165	DIL20 SOCKET FOR IC8	
	XIC...9	53.03.0165	DIL20 SOCKET FOR IC9	
	XIC..10	53.03.0168	DIL16 SOCKET FOR IC10	
	XIC..11	53.03.0165	DIL20 SOCKET FOR IC11	
	XIC..12	53.03.0165	DIL20 SOCKET FOR IC12	
	XIC..13	53.03.0182	DIL24 SOCKET FOR IC13	
	XIC..14	53.03.0172	DIL40 SOCKET FOR IC14	
	XIC..15	53.03.0218	DIL48 SOCKET FOR IC15 *** 48PCS ***	
	XIC..16	53.03.0168	DIL16 SOCKET FOR IC16	
	XIC..17	53.03.0168	DIL16 SOCKET FOR IC17	
	XIC..18	53.03.0165	DIL20 SOCKET FOR IC18	
	XIC..19	53.03.0168	DIL16 SOCKET FOR IC19	
	XIC..20	53.03.0165	DIL20 SOCKET FOR IC20	
	XIC..21	53.03.0166	DIL08 SOCKET FOR IC21	
	XIC..22	53.03.0168	DIL16 SOCKET FOR IC22	
	XRZ...8	53.03.0218	DIL10 SOCKET FOR RZ8 *** 10PCS ***	
	XRZ...9	53.03.0218	DIL10 SOCKET FOR RZ9 *** 10PCS ***	
	XRZ..10	53.03.0218	DIL10 SOCKET FOR RZ10 *** 10PCS ***	

SOFTWARE: 1.990.990.20 (IC7)
1.990.991.20 (IC8)
1.990.992.20 (IC13)

1.990.955-20 DISC CONTROLLER MEL92/06/0100

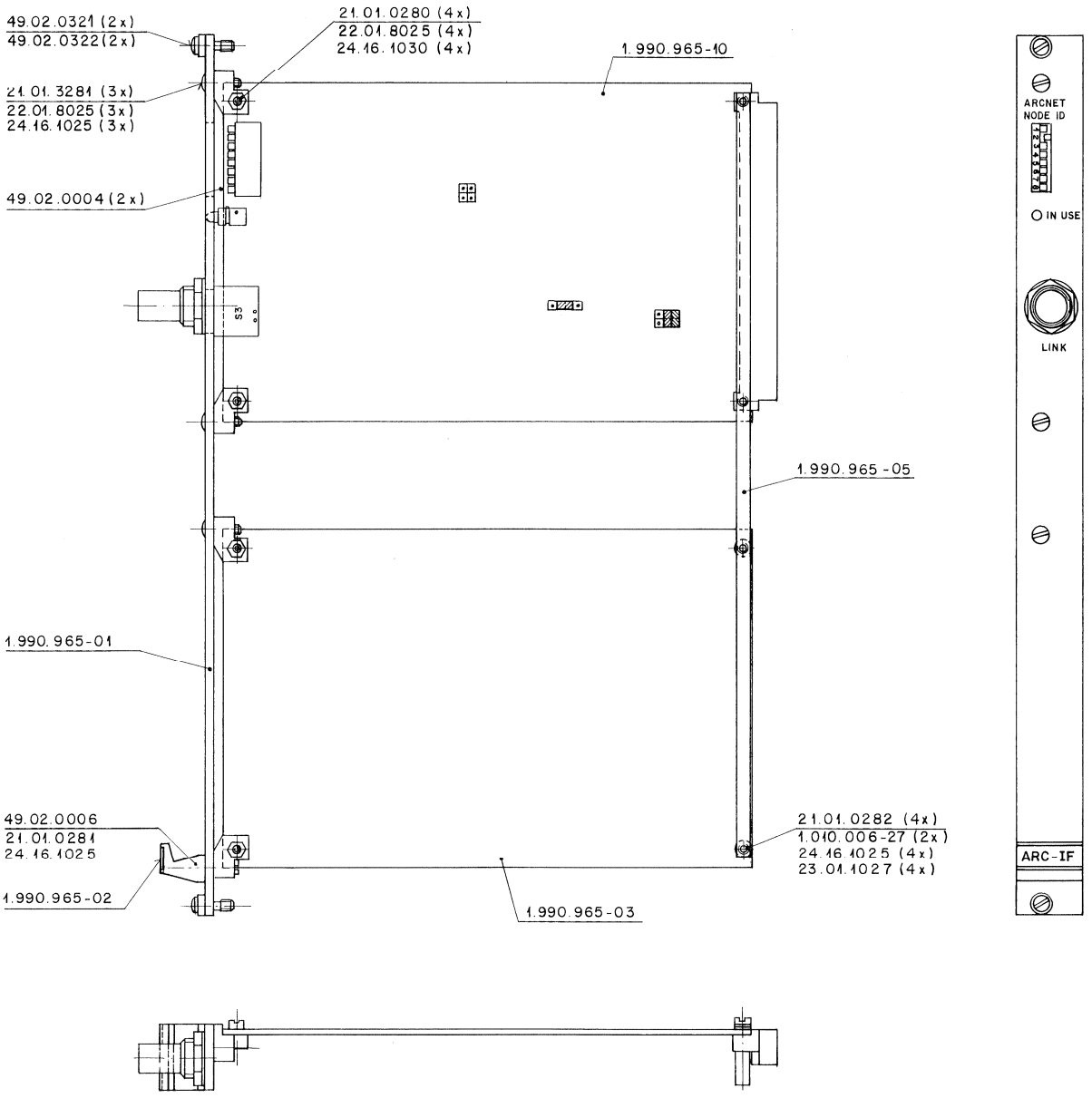
HDLC CONTROLLER MKII

1.990.960.20



ARCNET CONTROLLER MKII

1.990.965.00



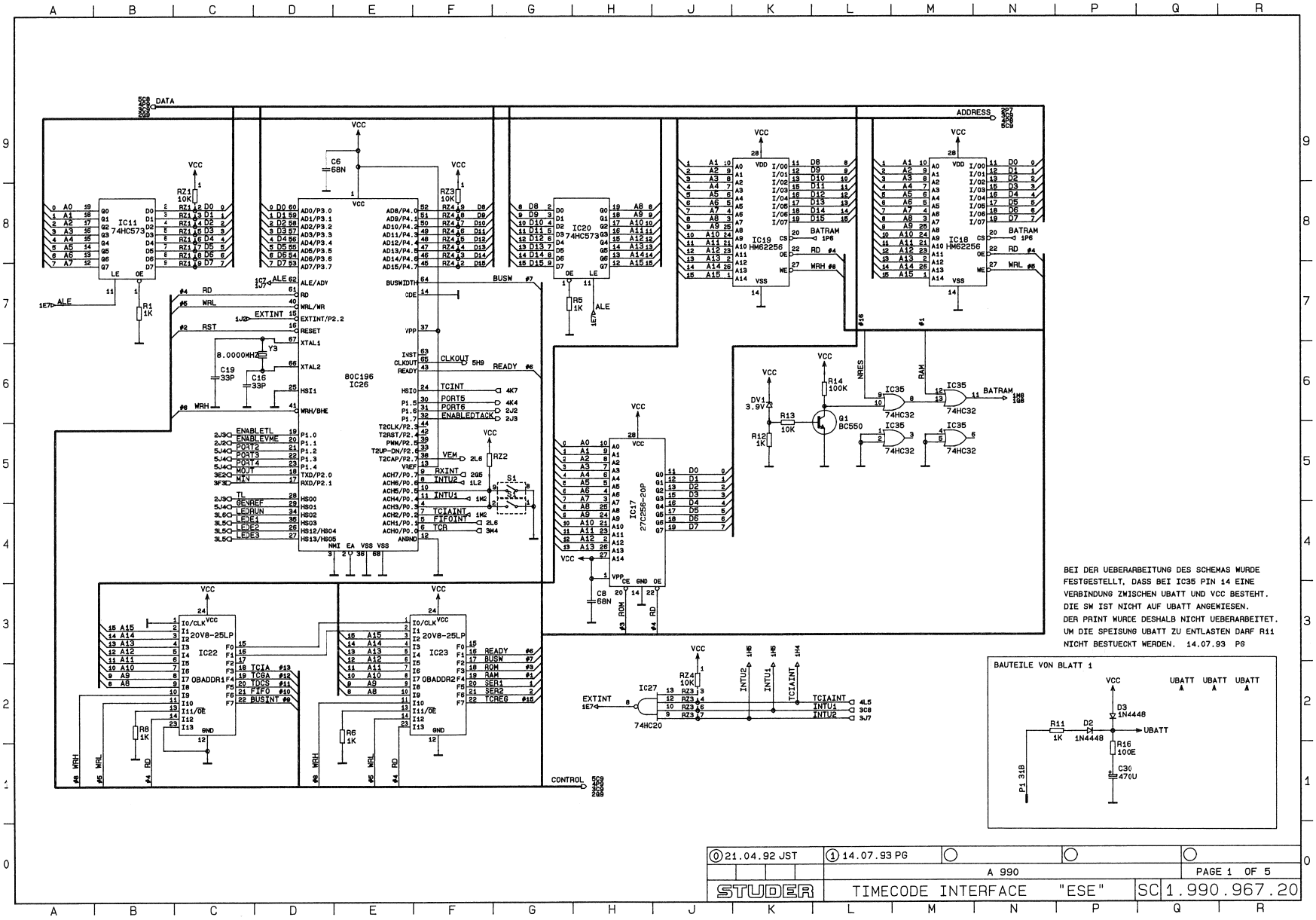
Änderung					
					3
					2
					1
Ausgabe	25.8.92				0
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

STUDER REGENSDORF ZÜRICH	Benennung: ARCNET CONTROLLER MK II ESE	Nummer: 1.990.965-00

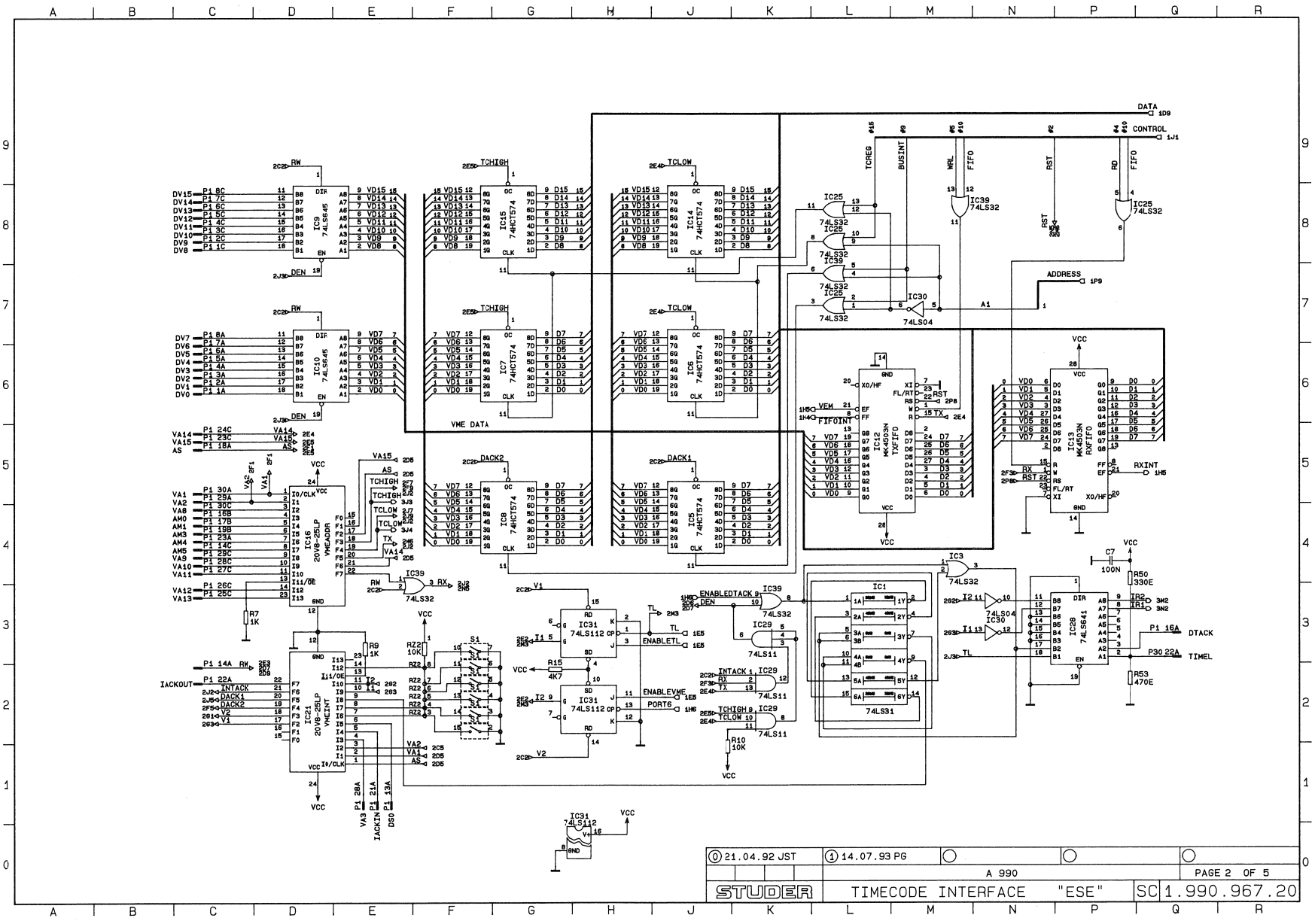
TIME CODE INTERFACE

1.990.967.20



0 21.04.92 JST	1 14.07.93 PG			
	A 990			PAGE 1 OF 5
STUDER	TIMECODE INTERFACE "ESE"		SC	1.990.967.20

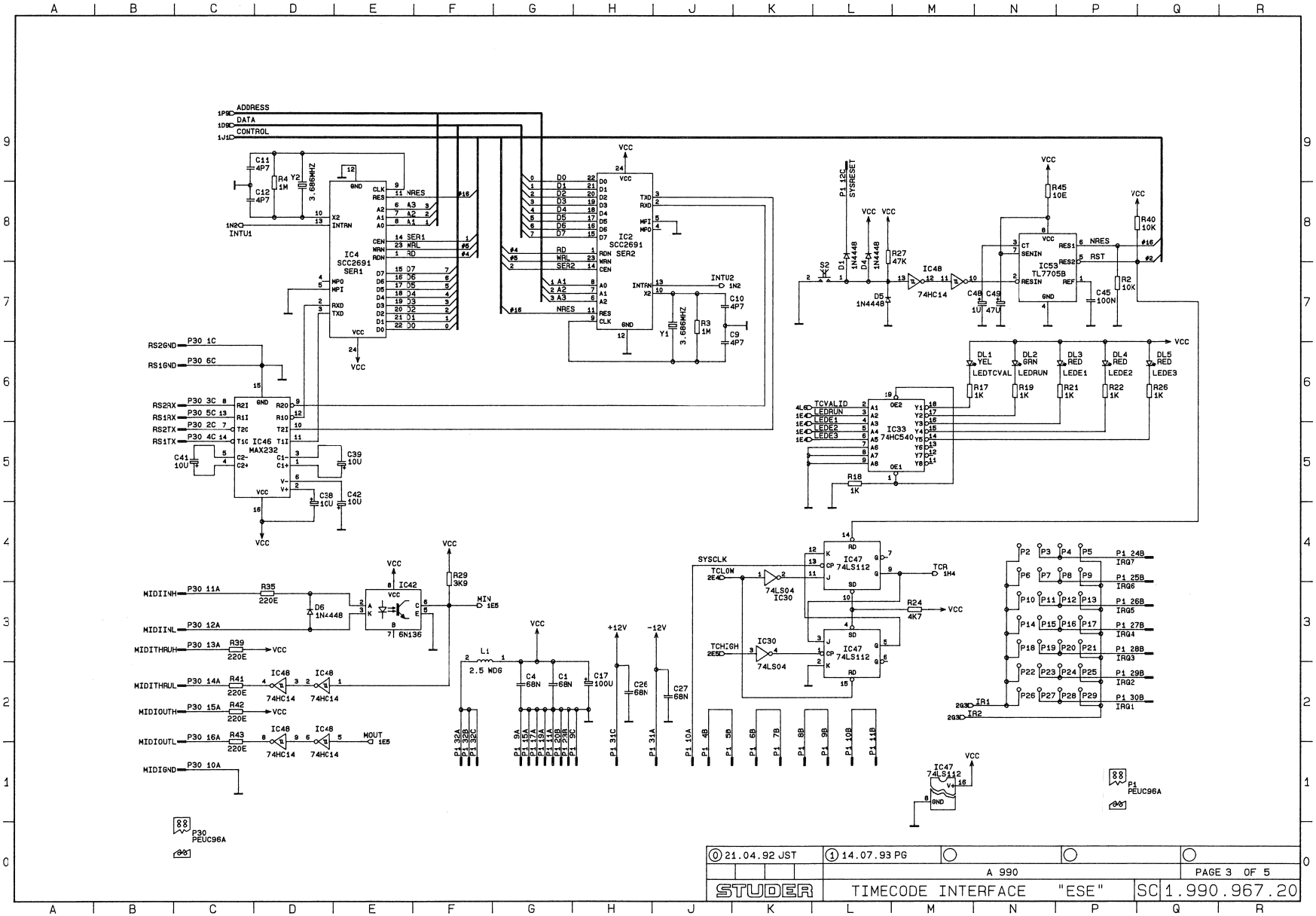
TIME CODE INTERFACE 1.990.967.20



⓪ 21.04.92 JST	① 14.07.93 PG			
	A 990			PAGE 2 OF 5
STUDER	TIMECODE INTERFACE "ESE"		SC	1.990.967.20

TIME CODE INTERFACE

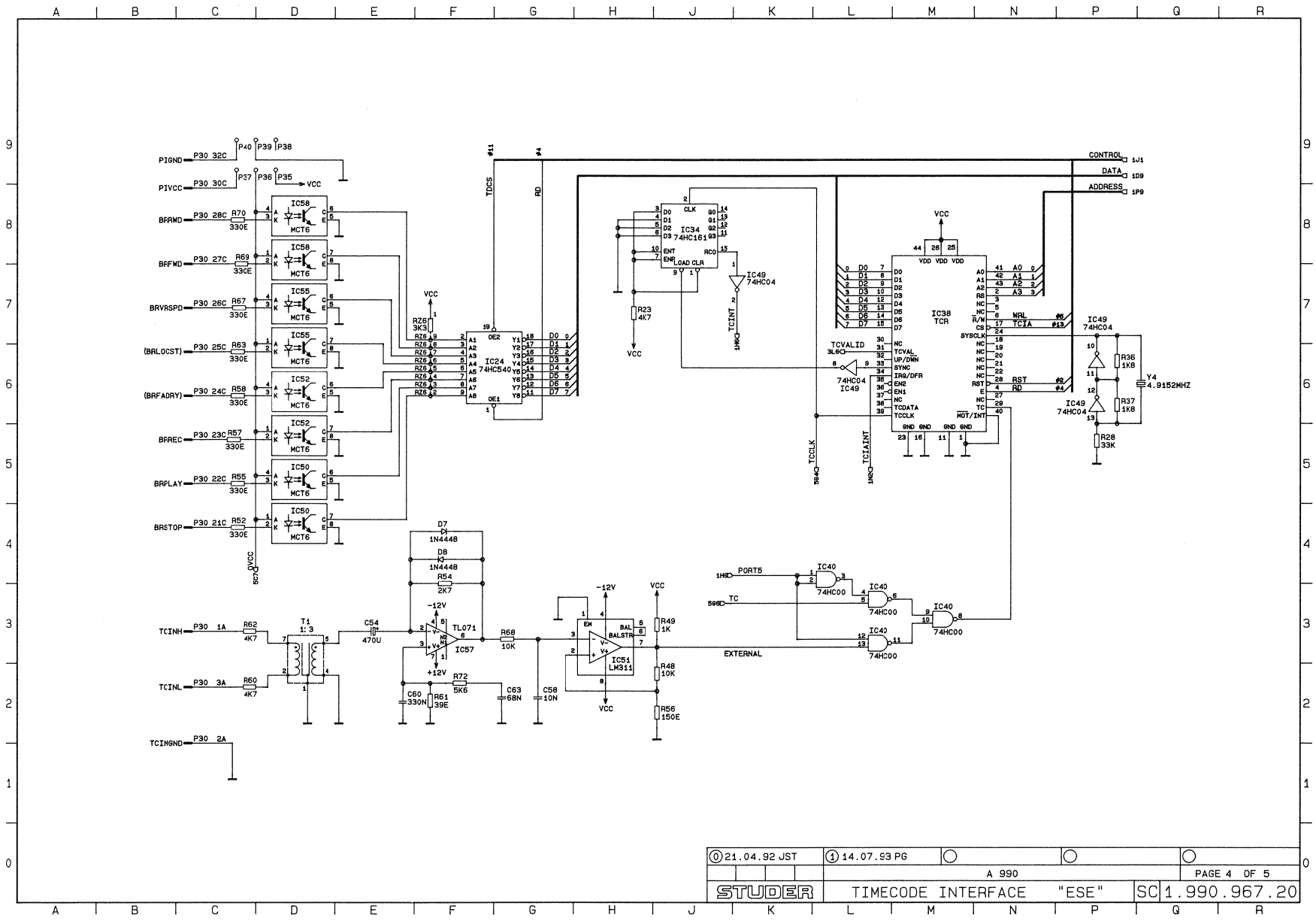
1.990.967.20



0 21.04.92 JST	1 14.07.93 PG			
	A 990			PAGE 3 OF 5
STUDER	TIMECODE INTERFACE "ESE"		SC	1.990.967.20

TIME CODE INTERFACE

1.990.967.20



0 21.04.92 JST	1 14.07.93 PG			
	A 990			PAGE 4 OF 5
STUDER	TIMECODE INTERFACE "ESE"		SC	1.990.967.20

TIME CODE INTERFACE

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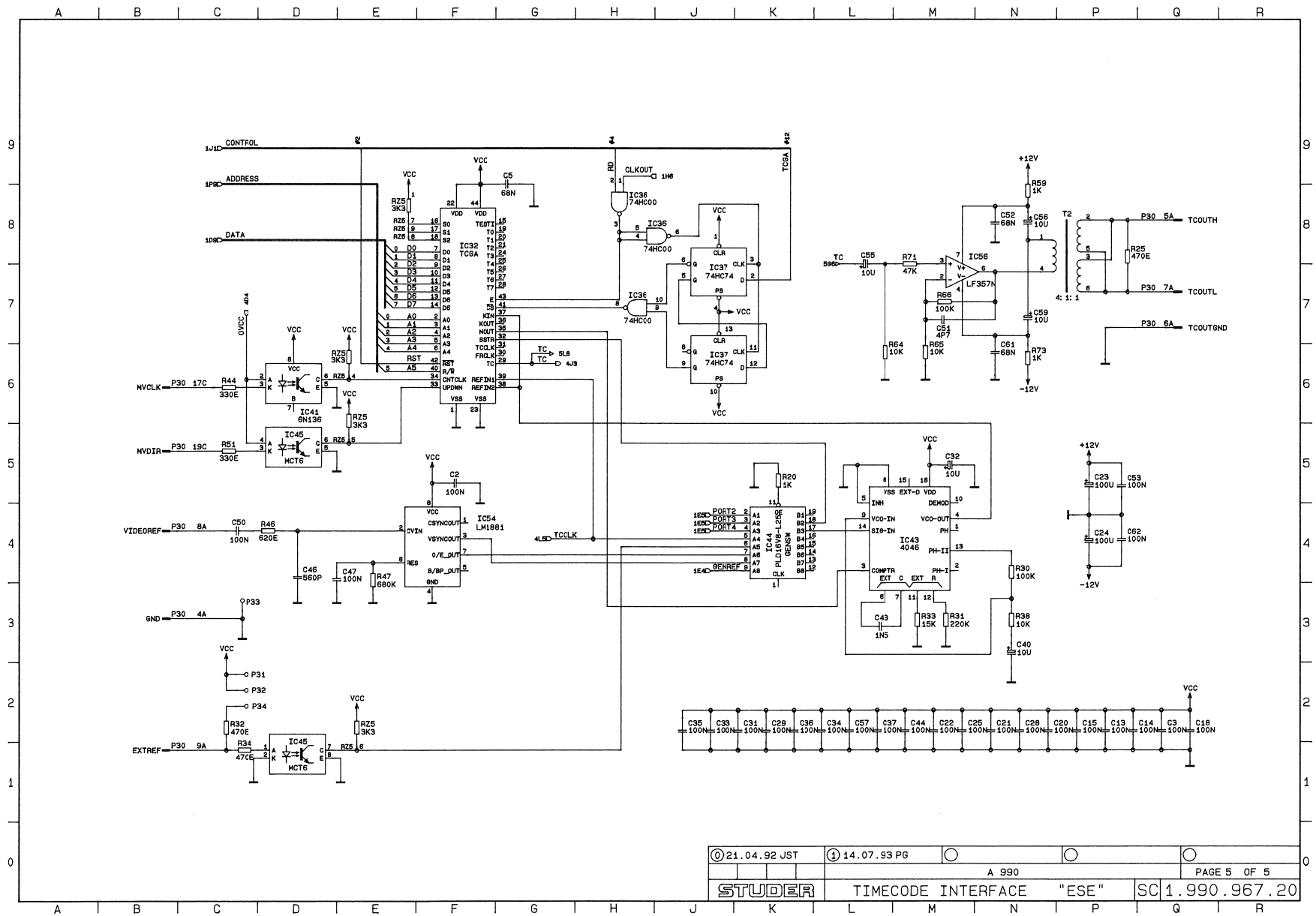

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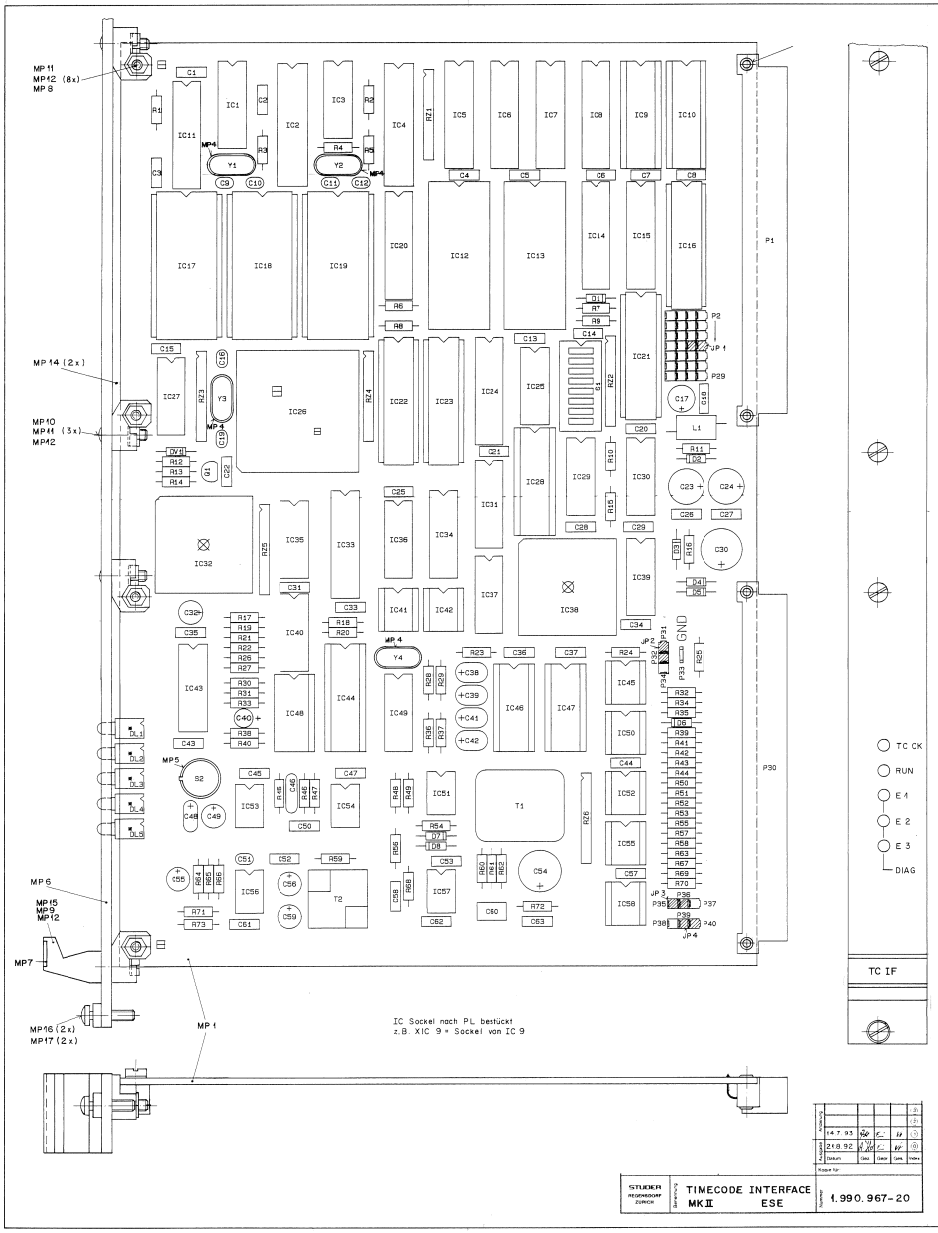

Idx	Pos.	Part No.	Qty.	Type/Val.	Description
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0	C 2	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 3	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 4	59.06.0683		68n	PETP, 63V, 10%, RM5
0	C 5	59.06.0683		68n	PETP, 63V, 10%, RM5
0	C 6	59.06.0683		68n	PETP, 63V, 10%, RM5
0	C 7	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 8	59.06.0683		68n	PETP, 63V, 10%, RM5
0	C 9	59.34.0479		4p7	CER 63V, 5%, P100
0	C 10	59.34.0479		4p7	CER 63V, 5%, P100
0	C 11	59.34.0479		4p7	CER 63V, 5%, P100
0	C 12	59.34.0479		4p7	CER 63V, 5%, P100
0	C 13	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 14	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 15	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 16	59.34.2330		33p	CER 63V, 5%, N150
0	C 17	59.22.3101		100u	EL 10V, 20%, RM5
0	C 18	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 19	59.34.2330		33p	CER 63V, 5%, N150
0	C 20	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 21	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 22	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 23	59.22.5101		100u	EL 25V, 20%, RM5
0	C 24	59.22.5101		100u	EL 25V, 20%, RM5
0	C 25	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 26	59.06.0683		68n	PETP, 63V, 10%, RM5
0	C 27	59.06.0683		68n	PETP, 63V, 10%, RM5
0	C 28	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 29	59.06.0104		100n	PETP, 63V, 10%, RM5
1	C 30	not used		470u	EL 6.3V, 20%, RM5
0	C 31	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 32	59.22.6100		10u	EL 35V, 20%, RM5
0	C 33	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 34	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 35	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 36	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 37	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 38	59.26.2100		10u	SAL, 20%, 16V
0	C 39	59.26.2100		10u	SAL, 20%, 16V
1	C 40	59.22.6100		10u	EL 35V, 20%, RM5
0	C 41	59.26.2100		10u	SAL, 20%, 16V
0	C 42	59.26.2100		10u	SAL, 20%, 16V
1	C 43	59.06.0152		1n5	PETP, 63V, 10%, RM5
0	C 44	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 45	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 46	59.34.5561		560p	CER 63V, 5%, N1500
0	C 47	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 48	59.26.5109		1u	SAL, 20%, 25V
0	C 49	59.22.3470		47u	EL 10V, 20%, RM5
0	C 50	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 51	59.34.0479		4p7	CER 63V, 5%, P100
0	C 52	59.06.0683		68n	PETP, 63V, 10%, RM5
0	C 53	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 54	59.22.2471		470u	EL 6.3V, 20%, RM5
0	C 55	59.22.6100		10u	EL 35V, 20%, RM5
0	C 56	59.22.6100		10u	EL 35V, 20%, RM5
0	C 57	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 58	59.06.0103		10n	PETP, 63V, 10%, RM5
0	C 59	59.22.6100		10u	EL 35V, 20%, RM5
0	C 60	59.06.0334		330n	PETP, 63V, 10%, RM5
0	C 61	59.06.0683		68n	PETP, 63V, 10%, RM5
0	C 62	59.06.0104		100n	PETP, 63V, 10%, RM5
0	C 63	59.06.0683		68n	PETP, 63V, 10%, RM5
0	D 1	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
1	D 2	not used		1N4448	75V, 150mA, 4ns, DO-35
1	D 3	not used		1N4448	75V, 150mA, 4ns, DO-35
0	D 4	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
0	D 5	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
0	D 6	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
0	D 7	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
0	D 8	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
1	DL 1	50.04.2752		yel	LED mit Halter
1	DL 2	50.04.2751		grn	LED mit Halter
0	DL 3	50.04.2750		red	LED mit Halter
0	DL 4	50.04.2750		red	LED mit Halter
0	DL 5	50.04.2750		red	LED mit Halter
0	DV 1	50.04.1101		3V9	Zener, 5%, 0.5W, DO-35
0	IC 1	50.06.0031		74LS31	IC SN 74 LS 31 N
0	IC 2	50.16.0201		SCC2691	IC SCC 2691 AE 1 N 24 ,A
0	IC 3	50.06.0032		74LS32	IC SN 74 LS 32 N
0	IC 4	50.16.0201		SCC2691	IC SCC 2691 AE 1 N 24 ,A
0	IC 5	50.17.0574		74HCT574	IC .. 74 HCT574 ., ,A
0	IC 6	50.17.0574		74HCT574	IC .. 74 HCT574 ., ,A
0	IC 7	50.17.0574		74HCT574	IC .. 74 HCT574 ., ,A
0	IC 8	50.17.0574		74HCT574	IC .. 74 HCT574 ., ,A
0	IC 9	50.06.1645		74LS645	IC SN 74 LS 645-1N
0	IC 10	50.06.1645		74LS645	IC SN 74 LS 645-1N

Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	IC 11	50.17.1573		74HC573	IC ... 74 HC 573 ., ,A
0	IC 12	50.14.1801		MK4503N	IC MK 4503 - 80 N ,A
0	IC 13	50.14.1801		MK4503N	IC MK 4503 - 80 N ,A
0	IC 14	50.17.0574		74HCT574	IC .. 74 HCT574 ., ,A
0	IC 15	50.17.0574		74HCT574	IC .. 74 HCT574 ., ,A
0	IC 16	50.18.0101		20V8-25	GAL 20 V 8 - 25 LP
					SOFTWARE 1.990.985.20
1	IC 17	50.14.2201		27 256	OPROM 32K * 8
					SW 1.990.981.20
0	IC 18	50.14.1004		HM62256	IC HM 62256 ALP -12 ,A
0	IC 19	50.14.1004		HM62256	IC HM 62256 ALP -12 ,A
0	IC 20	50.17.1573		74HC573	IC ... 74 HC 573 ., ,A
0	IC 21	50.18.0101		20V8-25	GAL 20 V 8 - 25 LP
					SOFTWARE 1.990.986.20
0	IC 22	50.18.0101		20V8-25	GAL 20 V 8 - 25 LP
					SOFTWARE 1.990.987.21
0	IC 23	50.18.0101		20V8-25	GAL 20 V 8 - 25 LP
					SOFTWARE 1.990.988.21
0	IC 24	50.17.1540		74HC540	IC ... 74 HC 540 ., ,A
0	IC 25	50.06.0032		74LS32	IC SN 74 LS 32 N
0	IC 26	50.63.0003		80C196	N 80 C 196 KB-16
0	IC 27	50.17.1020		74HC20	IC ... 74 HC 20 ., ,A
0	IC 28	50.06.1641		74LS641	IC SN 74 LS 641-1N
0	IC 29	50.06.0011		74LS11	IC SN 74 LS 11 N
0	IC 30	50.06.0004		74LS04	IC SN 74 LS 04 N
0	IC 31	50.06.0112		74LS112	IC SN 74 LS 112 N
0	IC 32	50.50.0030		TCGA	SMPTE Time-Code Generator
0	IC 33	50.17.1540		74HC540	IC ... 74 HC 540 ., ,A
0	IC 34	50.17.1161		74HC161	IC ... 74 HC 161 ., ,A
0	IC 35	50.17.1032		74HC32	IC ... 74 HC 32 ., ,A
0	IC 36	50.17.1000		74HC00	IC ... 74 HC 00 ., ,A
0	IC 37	50.17.1074		74HC74	IC ... 74 HC 74 ., ,A
0	IC 38	50.50.0020		TCR	SMPTE Time-Code Reader
0	IC 39	50.06.0032		74LS32	IC SN 74 LS 32 N
0	IC 40	50.17.1000		74HC00	IC ... 74 HC 00 ., ,A
0	IC 41	50.04.2163		6N136	DLQ 6 N 136
0	IC 42	50.04.2163		6N136	DLQ 6 N 136
0	IC 43	50.07.0046		4046	IC .. 4046 .. ,A
0	IC 44	50.18.0100		PLD16V8	16 V 8 D - 25 LP
					SOFTWARE 1.990.989.20
0	IC 45	50.99.0111		MCT6	DLQ ILD-74, MCT 6, TLP 504 A
0	IC 46	50.15.0120		MAX232	IC MAX 232 CPE
0	IC 47	50.06.0112		74LS112	IC SN 74 LS 112 N
0	IC 48	50.17.1014		74HC14	IC ... 74 HC 14 ., ,A
0	IC 49	50.17.1004		74HC04	IC ... 74 HC 04 ., ,A
0	IC 50	50.99.0111		MCT6	DLQ ILD-74, MCT 6, TLP 504 A
0	IC 51	50.11.0114		LM311	IC LM 311 N, LM 311 P,
0	IC 52	50.99.0111		MCT6	DLQ ILD-74, MCT 6, TLP 504 A
0	IC 53	50.11.0167		TL7706B	IC TL 7706 BCP,
0	IC 54	50.11.0145		LM1881	IC LM 1881 N,
0	IC 55	50.99.0111		MCT6	DLQ ILD-74, MCT 6, TLP 504 A
0	IC 56	50.09.0102		LF357N	Op-Amp single, biFET, DIP 8
0	IC 57	50.09.0103		TL071	IC TL 071 CP, ,A
0	IC 58	50.99.0111		MCT6	DLQ ILD-74, MCT 6, TLP 504 A
0	JP 1	54.01.0021		Jumper	0.63 * 0.63mm
0	JP 2	54.01.0021		Jumper	0.63 * 0.63mm
0	JP 3	54.01.0021		Jumper	0.63 * 0.63mm
0	JP 4	54.01.0021		Jumper	0.63 * 0.63mm
1	JP 5	not used		Jumper	0.63 * 0.63mm
0	L 1	62.01.0115		2.5Wdg	L BREITBAND-
0	MP 1	1.990.967.11	1	mp	TIMECODE INTERFACE MK2 PC3
0	MP 2	43.01.0108	1	mp Label	ESE-WARNSCHILD
0	MP 3	1.990.967.04	0	mp	STUDER-NR.-ETIKETTE 10 * 20
0	MP 4	89.01.1499	4	mp	QUARZ - ISOLIERPLATTE
0	MP 5	1.010.015.50	1	mp Spacer	ISOLIER-SCHEIBE ZU T0 5
0	MP 6	1.990.967.01	1	mp	FRONTPLATTE TIMECODE INTERFACE
0	MP 7	1.990.967.02	1	mp	GRIFFEINLAGE TIMECODE-IF
1	MP 8	21.01.0280	4	mp M2.5*8	Z - Schraube Zn gb chr
0	MP 9	21.01.0281	1	mp M2.5*10	Z - Schraube Zn gb chr
0	MP 10	21.02.3281	3	mp M2.5*10	LS-Schr Schlitz Ni
0	MP 11	22.01.8025	7	mp M2.5	6kt-Mutter 0.8d St Zn gb
0	MP 12	24.16.1025	8	mp	RIPPENSCHEIBE D 2.7/ 5
0	MP 13	28.99.0119	4	mp	ROHRNIETE D 2.5*0.15* 9
0	MP 14	49.02.0004	2	mp	LEITERPLATTENHALTER
0	MP 15	49.02.0006	1	mp	FRONTPLATTENGRIFF, L=18.9 MM
0	MP 16	49.02.0321	2	mp	LZ-SCHR. M 3 * 11.3
0	MP 17	49.02.0322	2	mp	GEWINDE-BUCHSE M 3
0	P 1	54.01.0358		96p	EU-C 3 * 32
0	P 2	54.01.0020		1p	Pin 0.63*0.63
0	P 3	54.01.0020		1p	Pin 0.63*0.63
0	P 4	54.01.0020		1p	Pin 0.63*0.63
0	P 5	54.01.0020		1p	Pin 0.63*0.63
0	P 6	54.01.0020		1p	Pin 0.63*0.63
0	P 7	54.01.0020		1p	Pin 0.63*0.63
0	P 8	54.01.0020		1p	Pin 0.63*0.63
0	P 9	54.01.0020		1p	Pin 0.63*0.63
0	P 10	54.01.0020		1p	Pin 0.63*0.63

TIME CODE INTERFACE

1.990.967.20

Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	P 11	54.01.0020		1p	Pin 0.63*0.63
0	P 12	54.01.0020		1p	Pin 0.63*0.63
0	P 13	54.01.0020		1p	Pin 0.63*0.63
0	P 14	54.01.0020		1p	Pin 0.63*0.63
0	P 15	54.01.0020		1p	Pin 0.63*0.63
0	P 16	54.01.0020		1p	Pin 0.63*0.63
0	P 17	54.01.0020		1p	Pin 0.63*0.63
0	P 18	54.01.0020		1p	Pin 0.63*0.63
0	P 19	54.01.0020		1p	Pin 0.63*0.63
0	P 20	54.01.0020		1p	Pin 0.63*0.63
0	P 21	54.01.0020		1p	Pin 0.63*0.63
0	P 22	54.01.0020		1p	Pin 0.63*0.63
0	P 23	54.01.0020		1p	Pin 0.63*0.63
0	P 24	54.01.0020		1p	Pin 0.63*0.63
0	P 25	54.01.0020		1p	Pin 0.63*0.63
0	P 26	54.01.0020		1p	Pin 0.63*0.63
0	P 27	54.01.0020		1p	Pin 0.63*0.63
0	P 28	54.01.0020		1p	Pin 0.63*0.63
0	P 29	54.01.0020		1p	Pin 0.63*0.63
0	P 30	54.01.0358		96p	EU-C 3 * 32
0	P 31	54.01.0020		1p	Pin 0.63*0.63
0	P 32	54.01.0020		1p	Pin 0.63*0.63
0	P 33	54.02.0320		1p	Flatpin, 2.8*0.8mm
0	P 34	54.01.0020		1p	Pin 0.63*0.63
0	P 35	54.01.0020		1p	Pin 0.63*0.63
0	P 36	54.01.0020		1p	Pin 0.63*0.63
0	P 37	54.01.0020		1p	Pin 0.63*0.63
0	P 38	54.01.0020		1p	Pin 0.63*0.63
0	P 39	54.01.0020		1p	Pin 0.63*0.63
0	P 40	54.01.0020		1p	Pin 0.63*0.63
0	Q 1	50.03.0497		BC337-40	BC 337-40
0	R 1	57.11.3102		1k0	MF, 1%, 0207
0	R 2	57.11.3103		10k	MF, 1%, 0207
0	R 3	57.11.3105		1M0	MF, 1%, 0207
0	R 4	57.11.3105		1M0	MF, 1%, 0207
0	R 5	57.11.3102		1k0	MF, 1%, 0207
0	R 6	57.11.3102		1k0	MF, 1%, 0207
0	R 7	57.11.3102		1k0	MF, 1%, 0207
0	R 8	57.11.3102		1k0	MF, 1%, 0207
0	R 9	57.11.3102		1k0	MF, 1%, 0207
0	R 10	57.11.3103		10k	MF, 1%, 0207
1	R 11	not used		1k0	MF, 1%, 0207
0	R 12	57.11.3102		1k0	MF, 1%, 0207
0	R 13	57.11.3103		10k	MF, 1%, 0207
0	R 14	57.11.3104		100k	MF, 1%, 0207
0	R 15	57.11.3472		4k7	MF, 1%, 0207
1	R 16	not used		100R	MF, 1%, 0207
0	R 17	57.11.3102		1k0	MF, 1%, 0207
0	R 18	57.11.3102		1k0	MF, 1%, 0207
0	R 19	57.11.3102		1k0	MF, 1%, 0207
0	R 20	57.11.3102		1k0	MF, 1%, 0207
0	R 21	57.11.3102		1k0	MF, 1%, 0207
0	R 22	57.11.3102		1k0	MF, 1%, 0207
0	R 23	57.11.3472		4k7	MF, 1%, 0207
0	R 24	57.11.3472		4k7	MF, 1%, 0207
0	R 25	57.11.3471		470R	MF, 1%, 0207
0	R 26	57.11.3102		1k0	MF, 1%, 0207
0	R 27	57.11.3473		47k	MF, 1%, 0207
0	R 28	57.11.3333		33k	MF, 1%, 0207
0	R 29	57.11.3392		3k9	MF, 1%, 0207
1	R 30	57.11.3104		100k	MF, 1%, 0207
1	R 31	57.11.3224		220k	MF, 1%, 0207
0	R 32	57.11.3471		470R	MF, 1%, 0207
0	R 33	57.11.3153		15k	MF, 1%, 0207
0	R 34	57.11.3471		470R	MF, 1%, 0207
0	R 35	57.11.3221		220R	MF, 1%, 0207
0	R 36	57.11.3182		1k8	MF, 1%, 0207
0	R 37	57.11.3182		1k8	MF, 1%, 0207
0	R 38	57.11.3103		10k	MF, 1%, 0207
0	R 39	57.11.3221		220R	MF, 1%, 0207
0	R 40	57.11.3103		10k	MF, 1%, 0207
0	R 41	57.11.3221		220R	MF, 1%, 0207
0	R 42	57.11.3221		220R	MF, 1%, 0207
0	R 43	57.11.3221		220R	MF, 1%, 0207
0	R 44	57.11.3331		330R	MF, 1%, 0207
0	R 45	57.11.3100		10R	MF, 1%, 0207
0	R 46	57.11.3621		620R	MF, 1%, 0207
0	R 47	57.11.3684		680k	MF, 1%, 0207
0	R 48	57.11.3103		10k	MF, 1%, 0207
0	R 49	57.11.3102		1k0	MF, 1%, 0207
0	R 50	57.11.3331		330R	MF, 1%, 0207
0	R 51	57.11.3331		330R	MF, 1%, 0207
0	R 52	57.11.3331		330R	MF, 1%, 0207
0	R 53	57.11.3471		470R	MF, 1%, 0207
0	R 54	57.11.3272		2k7	MF, 1%, 0207
0	R 55	57.11.3331		330R	MF, 1%, 0207
0	R 56	57.11.3151		150R	MF, 1%, 0207
0	R 57	57.11.3331		330R	MF, 1%, 0207
0	R 58	57.11.3331		330R	MF, 1%, 0207
0	R 59	57.11.3102		1k0	MF, 1%, 0207
0	R 60	57.11.3472		4k7	MF, 1%, 0207
0	R 61	57.11.3390		39R	MF, 1%, 0207
0	R 62	57.11.3472		4k7	MF, 1%, 0207
0	R 63	57.11.3331		330R	MF, 1%, 0207
0	R 64	57.11.3103		10k	MF, 1%, 0207
0	R 65	57.11.3103		10k	MF, 1%, 0207
0	R 66	57.11.3104		100k	MF, 1%, 0207
0	R 67	57.11.3331		330R	MF, 1%, 0207
0	R 68	57.11.3103		10k	MF, 1%, 0207
0	R 69	57.11.3331		330R	MF, 1%, 0207
0	R 70	57.11.3331		330R	MF, 1%, 0207
0	R 71	57.11.3473		47k	MF, 1%, 0207
0	R 72	57.11.3562		5k6	MF, 1%, 0207
0	R 73	57.11.3102		1k0	MF, 1%, 0207
0	RZ 1	57.88.4103		8*10k	2%, SIP 9
0	RZ 2	57.88.4103		8*10k	2%, SIP 9
0	RZ 3	57.88.4103		8*10k	2%, SIP 9
0	RZ 4	57.88.4103		8*10k	2%, SIP 9
0	RZ 5	57.88.4332		8*3k3	2%, SIP 9
0	RZ 6	57.88.4332		8*3k3	2%, SIP 9
0	S 1	55.01.0168		8*a	SZ , 8*A, DIL
0	S 2	55.03.0122		1*a	S 1 TASTE, 1*A, PRINT,IMPULS
0	T 1	1.022.409.00		1:3	SUMMEN-TRAFO 1:3
0	T 2	1.022.215.00		4:1:1	TIME CODE OUTPUT TRANSFORMER
0	XIC 9	53.03.0165		20p	DIL 0.3", löt, gerade
0	XIC 10	53.03.0165		20p	DIL 0.3", löt, gerade
0	XIC 16	53.03.0182		24p	DIL 0.3", löt, gerade
0	XIC 17	53.03.0173		28p	DIL 0.6", löt, gerade
0	XIC 18	53.03.0173		28p	DIL 0.6", löt, gerade
0	XIC 19	53.03.0173		28p	DIL 0.6", löt, gerade
0	XIC 21	53.03.0182		24p	DIL 0.3", löt, gerade
0	XIC 22	53.03.0182		24p	DIL 0.3", löt, gerade
0	XIC 23	53.03.0182		24p	DIL 0.3", löt, gerade
0	XIC 26	53.03.2268		PLCC68p	PLCC-Socket 68p
0	XIC 28	53.03.0165		20p	DIL 0.3", löt, gerade
0	XIC 32	53.03.2244		PLCC44p	PLCC-Socket 44p
0	XIC 38	53.03.2244		PLCC44p	PLCC-Socket 44p
0	XIC 41	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 42	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 44	53.03.0165		20p	DIL 0.3", löt, gerade
0	XIC 45	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 46	53.03.0168		16p	DIL 0.3", löt, gerade
0	XIC 47	53.03.0168		16p	DIL 0.3", löt, gerade
0	XIC 48	53.03.0167		14p	DIL 0.3", löt, gerade
0	XIC 50	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 52	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 55	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 58	53.03.0166		8p	DIL 0.3", löt, gerade
0	Y 1	89.01.1002		3.686MHz	3.686 400 MHz, HC 18/U
0	Y 2	89.01.1002		3.686MHz	3.686 400 MHz, HC 18/U
0	Y 3	89.01.1008		8.0000MHz	8.000 000 MHz, HC 18/U
0	Y 4	89.01.0560		4.9152MHz	4.915 200 MHz,

End of List

Comments

(01) 14. jul 96 FRI

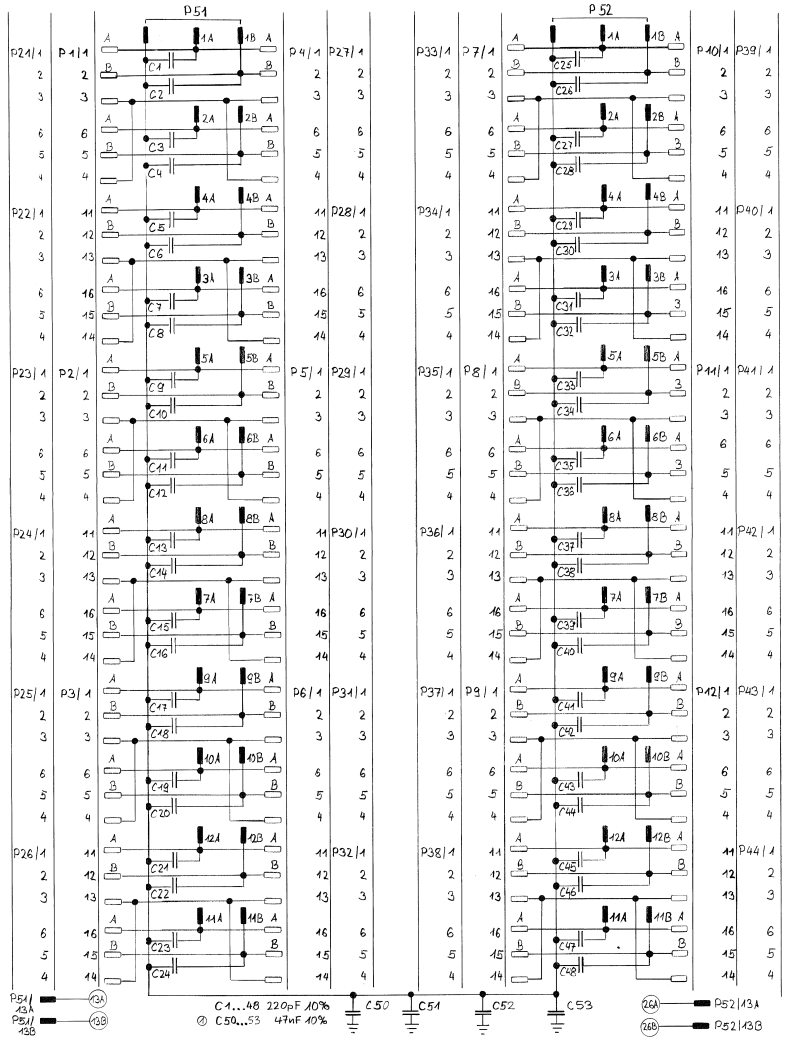
Remark:
IC 16,17,22,23,44 are IC's without software

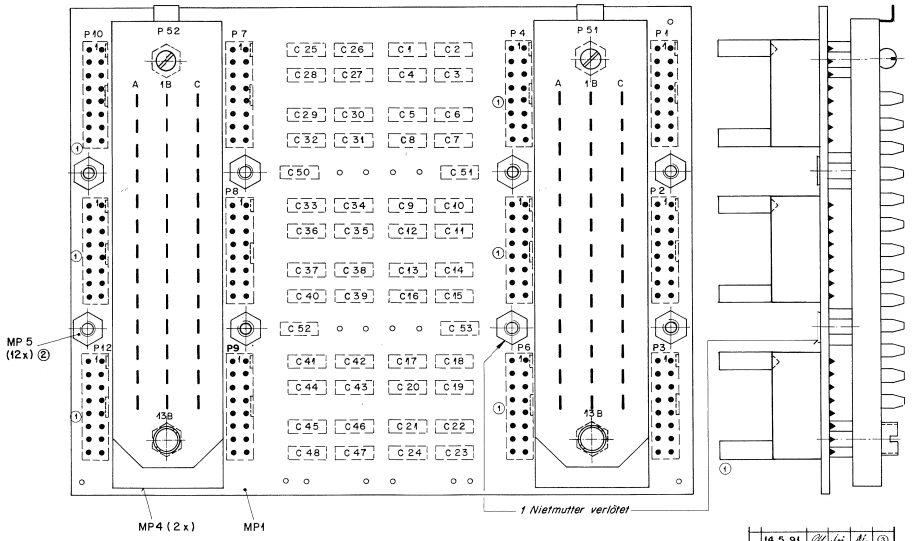
IC's with software:
(IC 16) 1.990.985.20: 1 pcs GAL 50.18.0101 / 20V8-25LP incl. software0
(IC 17) 1.990.961.20: 1 pcs EPR 50.14.2201 / 27C256-25 incl. software0
(IC 22) 1.990.987.20: 1 pcs GAL 50.18.0101 / 20V8-25LP incl. software0
(IC 23) 1.990.988.20: 1 pcs GAL 50.18.0101 / 20V8-25LP incl. software0
(IC 44) 1.990.989.20: 1 pcs GAL 50.18.0100 / PLD16V8 incl. software0

Section 10 Connection Boards

Table of Contents

39P CONN. MALE OPEN 2A BOARD 1.992.140.00





Ad	..POS..	...REF.No...	DESCRIPTION.....MANUFACTURER
	C.....1	59.32.1221	220 pF CER
	C.....2	59.32.1221	220 pF CER
	C.....3	59.32.1221	220 pF CER
	C.....4	59.32.1221	220 pF CER
	C.....5	59.32.1221	220 pF CER
	C.....6	59.32.1221	220 pF CER
	C.....7	59.32.1221	220 pF CER
	C.....8	59.32.1221	220 pF CER
	C.....9	59.32.1221	220 pF CER
	C....10	59.32.1221	220 pF CER
	C....11	59.32.1221	220 pF CER
	C....12	59.32.1221	220 pF CER
	C....13	59.32.1221	220 pF CER
	C....14	59.32.1221	220 pF CER
	C....15	59.32.1221	220 pF CER
	C....16	59.32.1221	220 pF CER
	C....17	59.32.1221	220 pF CER
	C....18	59.32.1221	220 pF CER
	C....19	59.32.1221	220 pF CER
	C....20	59.32.1221	220 pF CER
	C....21	59.32.1221	220 pF CER
	C....22	59.32.1221	220 pF CER
	C....23	59.32.1221	220 pF CER
	C....24	59.32.1221	220 pF CER
	C....25	59.32.1221	220 pF CER
	C....26	59.32.1221	220 pF CER
	C....27	59.32.1221	220 pF CER
	C....28	59.32.1221	220 pF CER
	C....29	59.32.1221	220 pF CER
	C....30	59.32.1221	220 pF CER
	C....31	59.32.1221	220 pF CER
	C....32	59.32.1221	220 pF CER
	C....33	59.32.1221	220 pF CER
	C....34	59.32.1221	220 pF CER
	C....35	59.32.1221	220 pF CER
	C....36	59.32.1221	220 pF CER
	C....37	59.32.1221	220 pF CER
	C....38	59.32.1221	220 pF CER
	C....39	59.32.1221	220 pF CER
	C....40	59.32.1221	220 pF CER
	C....41	59.32.1221	220 pF CER
	C....42	59.32.1221	220 pF CER
	C....43	59.32.1221	220 pF CER
	C....44	59.32.1221	220 pF CER
	C....45	59.32.1221	220 pF CER
	C....46	59.32.1221	220 pF CER
	C....47	59.32.1221	220 pF CER
	C....48	59.32.1221	220 pF CER
	C....50	59.32.1102	1000 pF CER
02	C....50	59.06.0473	47 nF

Ad	..POS..	...REF.No...	DESCRIPTION.....MANUFACTURER
02	C....51	59.06.0473	47 nF
02	C....52	59.06.0473	47 nF
02	C....53	59.06.0473	47 nF
	MP....1	1.992.141.11	1 pcs Print St
	MP....2	54.14.7020	2 pcs Passstift Sie
	MP....3	54.14.7023	2 pcs Passbuchse Sie
	MP....4	54.14.7002	2 pcs Riegelwanne Sie
	MP....5	1.010.014.22	8 pcs Nietmuttern St
01	MP....5	1.010.014.22	12 pcs Nietmuttern St
	MP....6	1.992.140.04	1 pcs Nr.-Etikette
	P.....1	54.14.2102	2*8 Pin PCB Flat Cabel Connector
	P.....2	54.14.2102	2*8 Pin PCB Flat Cabel Connector
	P.....3	54.14.2102	2*8 Pin PCB Flat Cabel Connector
	P.....4	. . 0	NOT USED PCB Flat Cabel Connector
	P.....5	. . 0	NOT USED PCB Flat Cabel Connector
	P.....6	. . 0	NOT USED PCB Flat Cabel Connector
	P.....7	54.14.2102	2*8 Pin PCB Flat Cabel Connector
	P.....8	54.14.2102	2*8 Pin PCB Flat Cabel Connector
	P.....9	54.14.2102	2*8 Pin PCB Flat Cabel Connector
	P....10	. . 0	NOT USED PCB Flat Cabel Connector
	P....11	. . 0	NOT USED PCB Flat Cabel Connector
	P....12	. . 0	NOT USED PCB Flat Cabel Connector
	P....51	54.14.1023	39 Pin Knife - Connector Sie
	P....52	54.14.1023	39 Pin Knife - Connector Sie

(01) 19.10.90 Better mechanical stability
(02) 14.05.91 IEC801-2

CER=Ceramic

MANUFACTURER: Sie=Siemens, St=Studer,

1.992.140.00 39P CONN.MALE OPEN 2A BOARD CE 90/03/0700

1.992.140.00 39P CONN.MALE OPEN 2A BOARD AB 90/10/1901

1.992.140.00 39P CONN.MALE OPEN 2A BOARD AB 91/05/1402

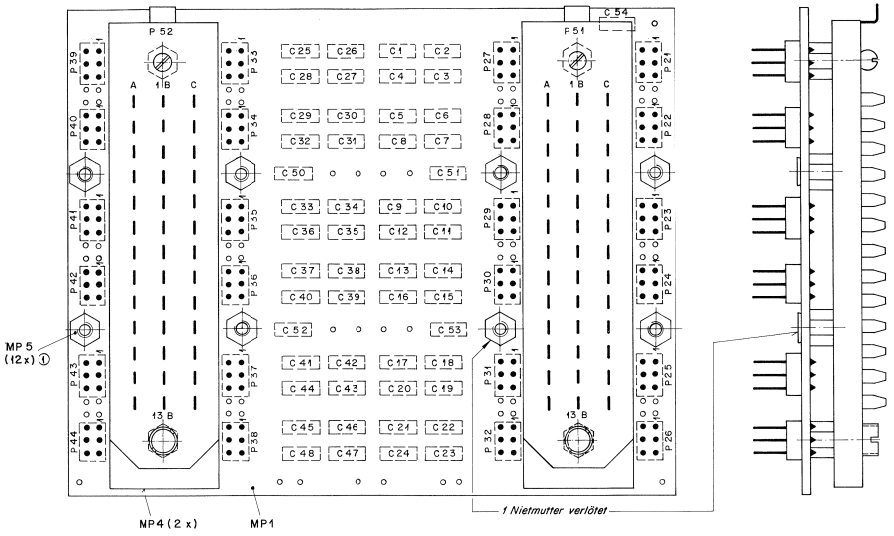
Änderung	Datum	Gez.	Gepr.	Gen.	Index
	14.5.91				③
	31.10.90				②
	1.3.90				①
Ausgabe	16.1.90				⓪

Kopie für:

STUDER REGENSDORF ZÜRICH | Benennung: 39P CONN. MALE OPEN 2A BOARD | Nummer: 1.992.140-00

⓪ 02.1089 Estermann	① 14-5-91			
				PAGE 1 OF 1
STUDER	39P CONN. MALE OPEN 2A BOARD		SC	1.992.140.00

39P CONN. MALE OPEN 2B BOARD 1.992.141.00



C51,C52,C53,C54 nicht bestückt

Ausgabe	Änderung	Datum	Gez.	Gepr.	Ges.	Index
						③
						②
		31.10.90	LH	Sch	VF	①
		16.1.90	LH	VF	CE	ⓒ

Kopie für:

STUDER REGENSDORF ZÜRICH

Benennung: 39P CONN. MALE OPEN 2B BOARD

Nummer: 1.992.141-00

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C.....1	59.32.1221	220 pF	CER
	C.....2	59.32.1221	220 pF	CER
	C.....3	59.32.1221	220 pF	CER
	C.....4	59.32.1221	220 pF	CER
	C.....5	59.32.1221	220 pF	CER
	C.....6	59.32.1221	220 pF	CER
	C.....7	59.32.1221	220 pF	CER
	C.....8	59.32.1221	220 pF	CER
	C.....9	59.32.1221	220 pF	CER
	C....10	59.32.1221	220 pF	CER
	C....11	59.32.1221	220 pF	CER
	C....12	59.32.1221	220 pF	CER
	C....13	59.32.1221	220 pF	CER
	C....14	59.32.1221	220 pF	CER
	C....15	59.32.1221	220 pF	CER
	C....16	59.32.1221	220 pF	CER
	C....17	59.32.1221	220 pF	CER
	C....18	59.32.1221	220 pF	CER
	C....19	59.32.1221	220 pF	CER
	C....20	59.32.1221	220 pF	CER
	C....21	59.32.1221	220 pF	CER
	C....22	59.32.1221	220 pF	CER
	C....23	59.32.1221	220 pF	CER
	C....24	59.32.1221	220 pF	CER
	C....25	59.32.1221	220 pF	CER
	C....26	59.32.1221	220 pF	CER
	C....27	59.32.1221	220 pF	CER
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	C....29	59.32.1221	220 pF	CER
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	C....35	59.32.1221	220 pF	CER
	C....36	59.32.1221	220 pF	CER
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	C....38	59.32.1221	220 pF	CER
	C....39	59.32.1221	220 pF	CER
	C....40	59.32.1221	220 pF	CER
	C....41	59.32.1221	220 pF	CER
	C....42	59.32.1221	220 pF	CER
	C....43	59.32.1221	220 pF	CER
	C....44	59.32.1221	220 pF	CER
	C....45	59.32.1221	220 pF	CER
	C....46	59.32.1221	220 pF	CER
	C....47	59.32.1221	220 pF	CER
	C....48	59.32.1221	220 pF	CER
	C....49	. . .	0	not used
	C....50	59.32.1102	1000 pF	CER
	C....51	. . .	0	not used
	C....52	. . .	0	not used
	C....53	. . .	0	not used
	C....54	. . .	0	not used
	MP....1	1.992.141.11	1 pcs	Print St
	MP....2	54.14.7020	2 pcs	Passstift Sie
	MP....3	54.14.7023	2 pcs	Passbuchse Sie
	MP....4	54.14.7002	2 pcs	Riegelwanne Sie
	MP....5	1.010.014.22	8 pcs	Nietmuttern St
01	MP....5	1.010.014.22	12 pcs	Nietmuttern St
	MP....6	1.992.141.04	1 pcs	Nr.-Etikette
	P....21	54.11.0135	2*3 Pin	PCB Male Connector
	P....22	54.11.0135	2*3 Pin	PCB Male Connector
	P....23	54.11.0135	2*3 Pin	PCB Male Connector
	P....24	54.11.0135	2*3 Pin	PCB Male Connector
	P....25	54.11.0135	2*3 Pin	PCB Male Connector
	P....26	54.11.0135	2*3 Pin	PCB Male Connector
	P....27	54.11.0135	2*3 Pin	PCB Male Connector
	P....28	54.11.0135	2*3 Pin	PCB Male Connector
	P....29	54.11.0135	2*3 Pin	PCB Male Connector
	P....30	54.11.0135	2*3 Pin	PCB Male Connector
	P....31	54.11.0136	2*3 Pin	PCB Male Connector
	P....32	54.11.0136	2*3 Pin	PCB Male Connector
	P....33	54.11.0136	2*3 Pin	PCB Male Connector
	P....34	54.11.0136	2*3 Pin	PCB Male Connector
	P....35	54.11.0136	2*3 Pin	PCB Male Connector
	P....36	54.11.0136	2*3 Pin	PCB Male Connector
	P....37	54.11.0136	2*3 Pin	PCB Male Connector
	P....38	54.11.0136	2*3 Pin	PCB Male Connector
	P....39	54.11.0136	2*3 Pin	PCB Male Connector
	P....40	54.11.0136	2*3 Pin	PCB Male Connector
	P....41	54.11.0136	2*3 Pin	PCB Male Connector
	P....42	54.11.0136	2*3 Pin	PCB Male Connector
	P....43	54.11.0136	2*3 Pin	PCB Male Connector
	P....44	54.11.0136	2*3 Pin	PCB Male Connector
	P....51	54.14.1023	39 Pin	Knife - Connector Sie
	P....52	54.14.1023	39 Pin	Knife - Connector Sie

(01) 19.10.90 Better mechanical stability

CER=Ceramic

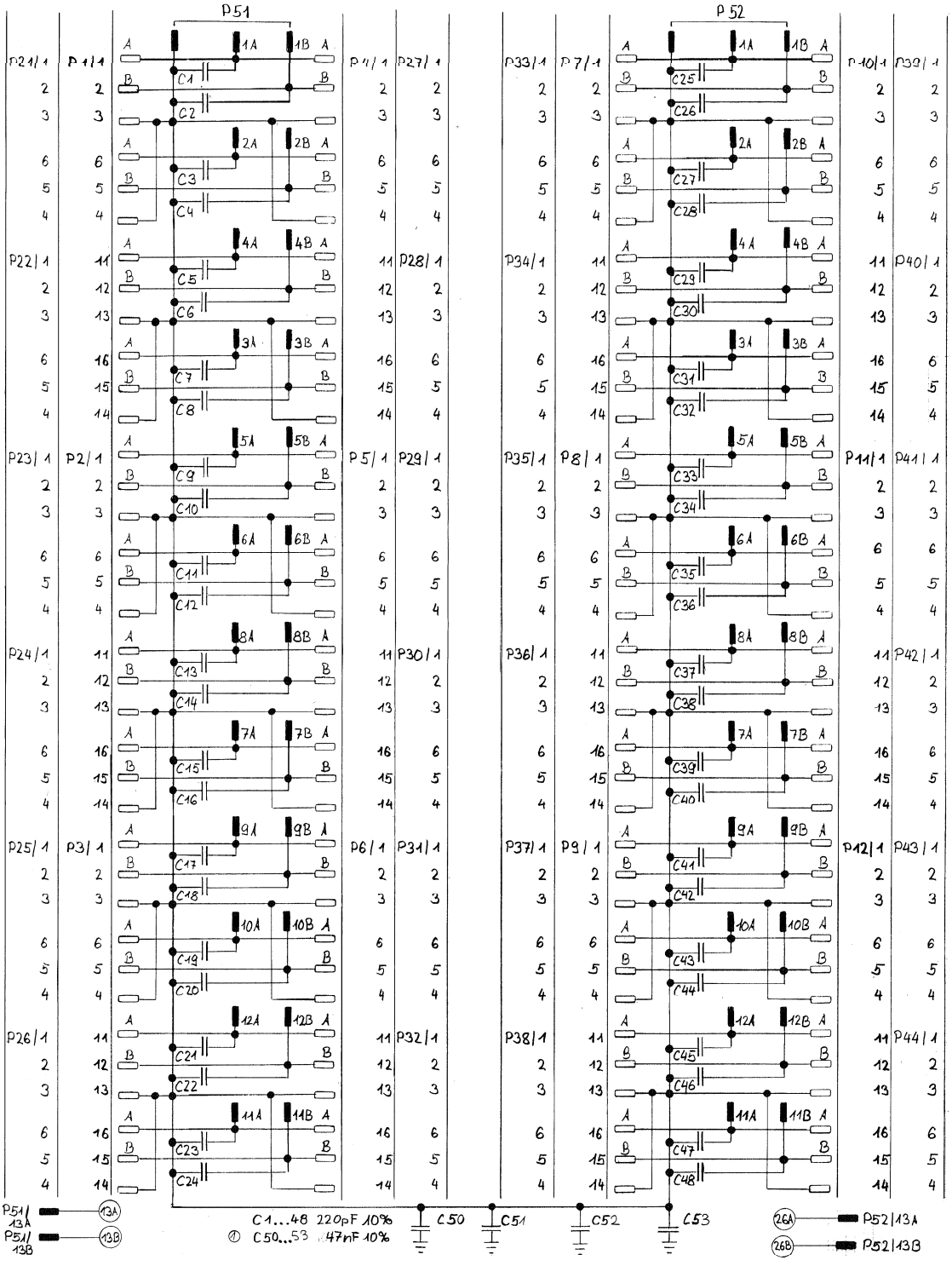
MANUFACTURER: Sie=Siemens, St=Studer, Six=Siliconix,
Tho=Thomson, To=Toshiba, TI=Texas Instrument, Ya=Yamaichi

1.992.141.00 39P CONN.MALE OPEN 2B BOARD CE 90/01/2400

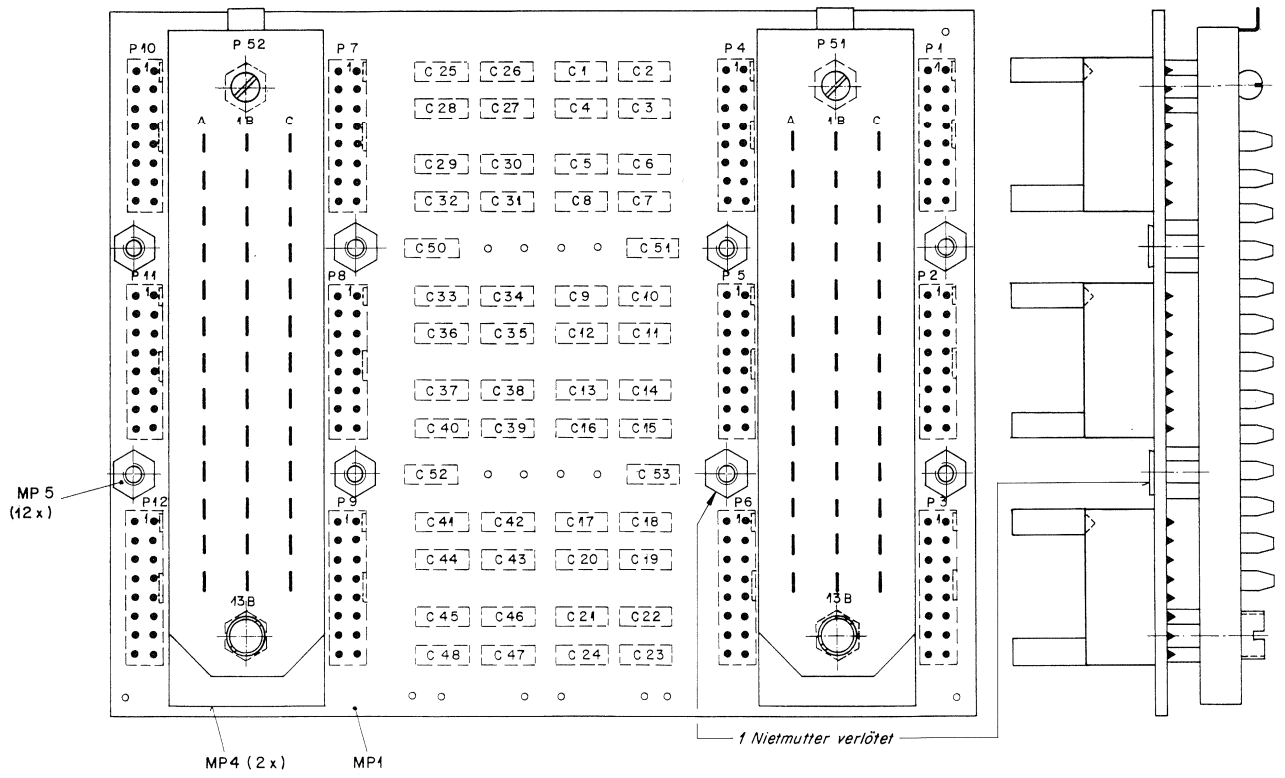
1.992.141.00 39P CONN.MALE OPEN 2B BOARD AB 90/10/1901

END

39P CONN. MALE CLOSED 2A BOARD 1.992.142.00



39P CONN. MALE CLOSED 2A BOARD 1.992.142.00



Ad	..POS..	...REF.No...	DESCRIPTION.....MANUFACTURER
	C.....1	59.32.1221	220 pF CER
	C.....2	59.32.1221	220 pF CER
	C.....3	59.32.1221	220 pF CER
	C.....4	59.32.1221	220 pF CER
	C.....5	59.32.1221	220 pF CER
	C.....6	59.32.1221	220 pF CER
	C.....7	59.32.1221	220 pF CER
	C.....8	59.32.1221	220 pF CER
	C.....9	59.32.1221	220 pF CER
	C....10	59.32.1221	220 pF CER
	C....11	59.32.1221	220 pF CER
	C....12	59.32.1221	220 pF CER
	C....13	59.32.1221	220 pF CER
	C....14	59.32.1221	220 pF CER
	C....15	59.32.1221	220 pF CER
	C....16	59.32.1221	220 pF CER
	C....17	59.32.1221	220 pF CER
	C....18	59.32.1221	220 pF CER
	C....19	59.32.1221	220 pF CER
	C....20	59.32.1221	220 pF CER
	C....21	59.32.1221	220 pF CER
	C....22	59.32.1221	220 pF CER
	C....23	59.32.1221	220 pF CER
	C....24	59.32.1221	220 pF CER
	C....25	59.32.1221	220 pF CER
	C....26	59.32.1221	220 pF CER
	C....27	59.32.1221	220 pF CER
	C....28	59.32.1221	220 pF CER
	C....29	59.32.1221	220 pF CER
	C....30	59.32.1221	220 pF CER
	C....31	59.32.1221	220 pF CER
	C....32	59.32.1221	220 pF CER
	C....33	59.32.1221	220 pF CER
	C....34	59.32.1221	220 pF CER
	C....35	59.32.1221	220 pF CER
	C....36	59.32.1221	220 pF CER
	C....37	59.32.1221	220 pF CER
	C....38	59.32.1221	220 pF CER
	C....39	59.32.1221	220 pF CER
	C....40	59.32.1221	220 pF CER
	C....41	59.32.1221	220 pF CER
	C....42	59.32.1221	220 pF CER
	C....43	59.32.1221	220 pF CER
	C....44	59.32.1221	220 pF CER
	C....45	59.32.1221	220 pF CER
	C....46	59.32.1221	220 pF CER
	C....47	59.32.1221	220 pF CER
	C....48	59.32.1221	220 pF CER
	C....50	59.32.1102	1000 pF CER
01	C....50	59.06.0473	47 nF
01	C....51	59.06.0473	47 nF

Änderung					
					3
					2
	14.5.91				1
Ausgabe	27.11.90				0
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

STUDER REGENSDORF ZÜRICH	Benennung: 39P CONN. MALE CLOSED 2A BOARD	Nummer: 1.992.142-00

Ad	..POS..	...REF.No...	DESCRIPTION.....MANUFACTURER	
01	C....52	59.06.0473	47 nF	
01	C....53	59.06.0473	47 nF	
	MP....1	1.992.142.11	1 pcs Print	St
	MP....2	54.14.7020	2 pcs Passstift	Sie
	MP....3	54.14.7023	2 pcs Passbuchse	Sie
	MP....4	54.14.7002	2 pcs Riegelwanne	Sie
	MP....5	1.010.014.22	12 pcs Nietmuttern	St
	MP....6	1.992.142.04	1 pcs Nr.-Etikette	
	P.....1	54.14.2102	2*8 Pin PCB Flat Cable Connector	
	P.....2	54.14.2102	2*8 Pin PCB Flat Cable Connector	
	P.....3	54.14.2102	2*8 Pin PCB Flat Cable Connector	
	P.....4	. . 0	not used	
	P.....5	. . 0	not used	
	P.....6	. . 0	not used	
	P.....7	54.14.2102	2*8 Pin PCB Flat Cable Connector	
	P.....8	54.14.2102	2*8 Pin PCB Flat Cable Connector	
	P.....9	54.14.2102	2*8 Pin PCB Flat Cable Connector	
	P....10	. . 0	not used	
	P....11	. . 0	not used	
	P....12	. . 0	not used	
	P....51	54.14.1023	39 Pin Knife - Connector	Sie
	P....52	54.14.1023	39 Pin Knife - Connector	Sie

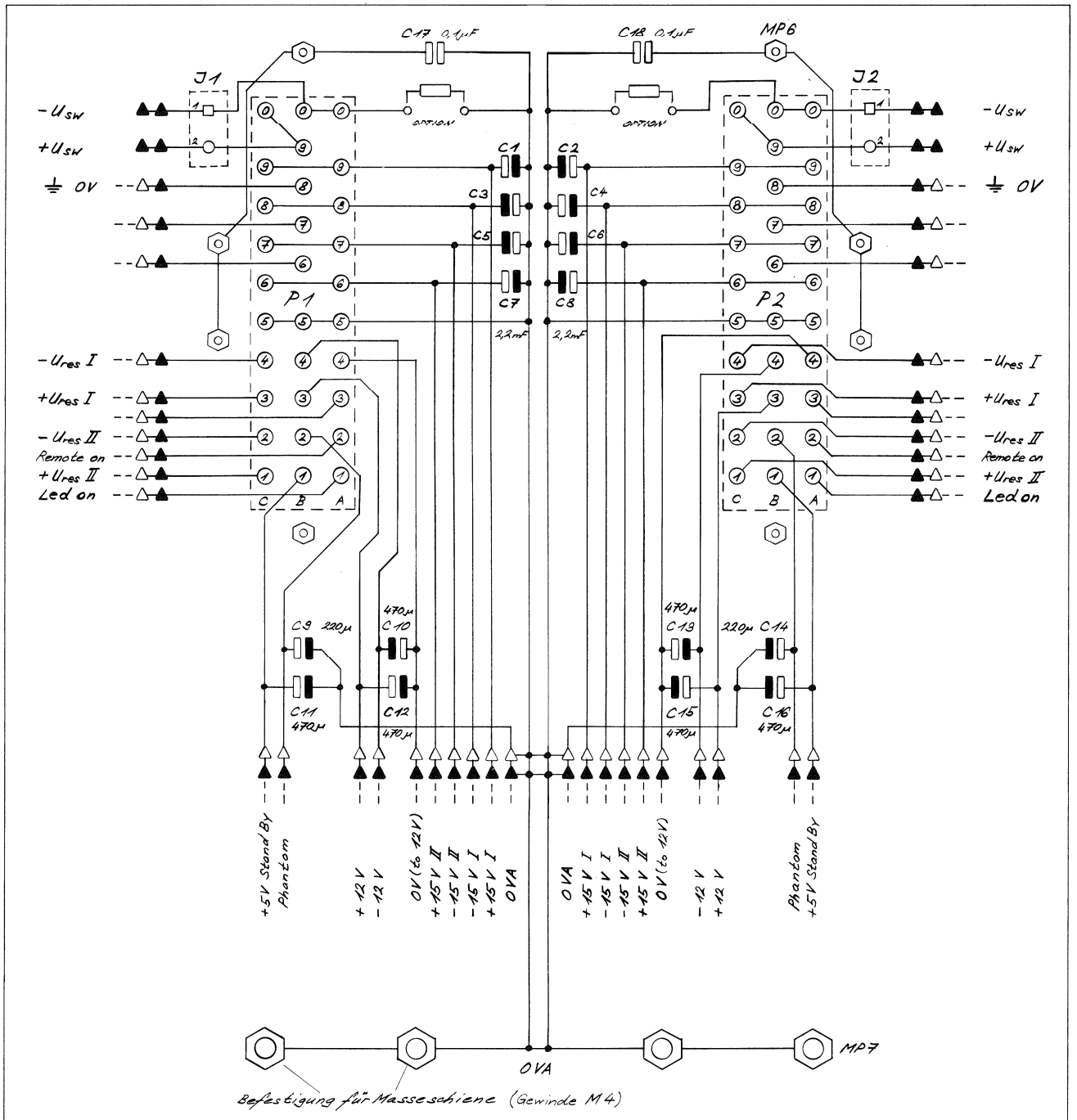
CER=Ceramic

MANUFACTURER: Sie=Siemens, St=Studer

1.992.142.00 39P CONN.MALE CLOSED 2A BOARD AB 90/11/2600

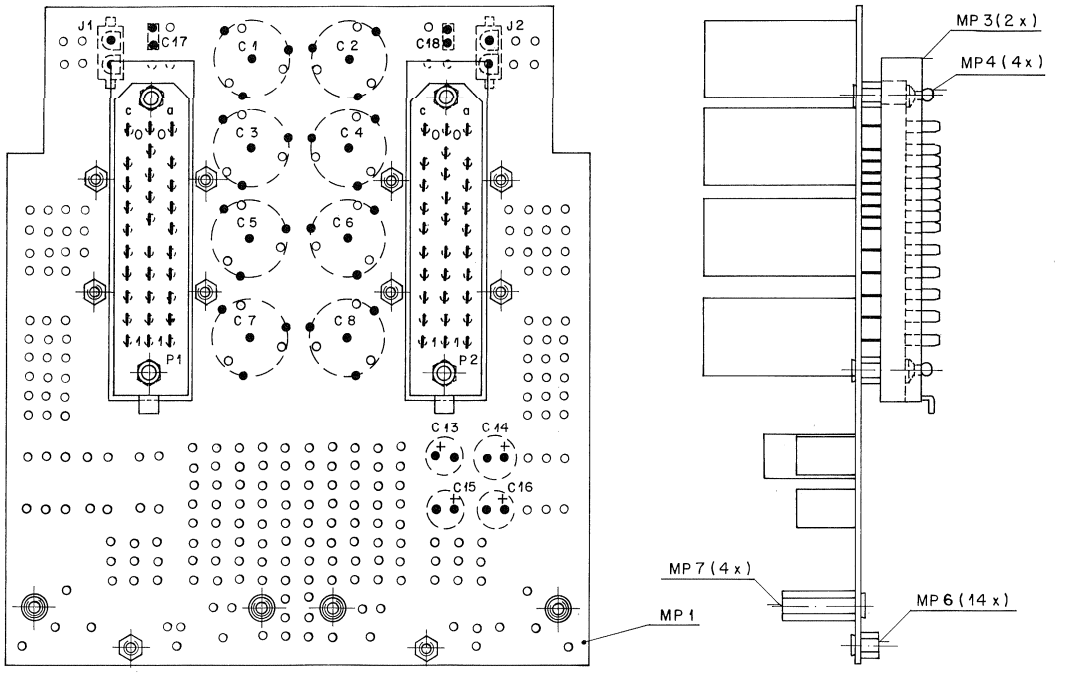
1.992.142.00 39P CONN.MALE CLOSED 2A BOARD AB 91/05/1401

POWER CONNECTOR BOARD 2A 1.992.144.00



0 13.5.91				
				PAGE 1 OF 1
STUDER	POWER CONNECTOR BOARD	2A	SC	1.992.144.00

POWER CONNECTOR BOARD 2A 1.992.144.00



Änderung					
					4
					2
					1
Ausgabe	20.6.91				0
	Datum	Gez	Gepr	Ges	Index

Kopie für:

STUDER REGENSDORF ZÜRICH	Benennung:	POWER CONNECTOR BOARD 2A	Nummer:	1.992.144-00

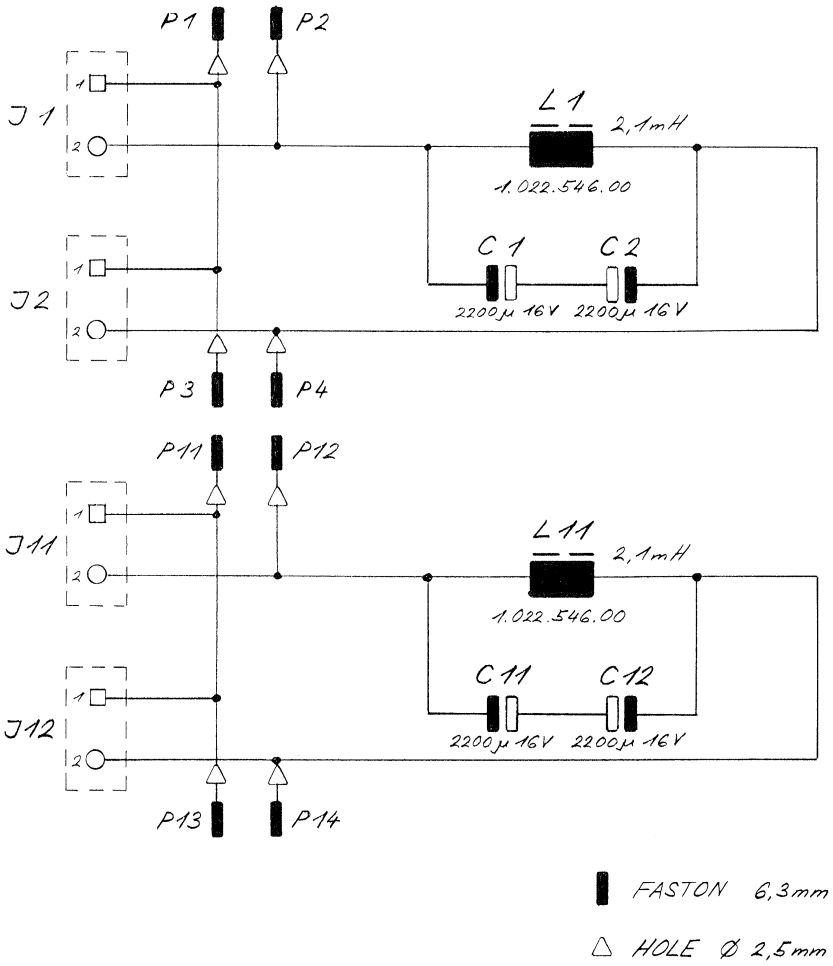
Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
	C.....1	59.28.3222	2200 uF -20% 25V EL	any
	C.....2	59.28.3222	2200 uF -20% 25V EL	any
	C.....3	59.28.3222	2200 uF -20% 25V EL	any
	C.....4	59.28.3222	2200 uF -20% 25V EL	any
	C.....5	59.28.3222	2200 uF -20% 25V EL	any
	C.....6	59.28.3222	2200 uF -20% 25V EL	any
	C.....7	59.28.3222	2200 uF -20% 25V EL	any
	C.....8	59.28.3222	2200 uF -20% 25V EL	any
	C.....9	. . 0	not used	
	C....10	. . 0	not used	
	C....11	. . 0	not used	
	C....12	. . 0	not used	
	C....13	59.22.5471	470 uF -20% 16V EL	any
	C....14	59.22.8221	220 uF -20% 63V EL	any
	C....15	59.22.5471	470 uF -20% 16V EL	any
	C....16	59.22.5471	470 uF -20% 16V EL	any
	C....17	59.06.0104	0.1 uF 10% 63V PE	any
	C....18	59.06.0104	0.1 uF 10% 63V PE	any
	J.....1	54.25.0002	J-Buchse 2 Pol 16A AMP	
	J.....2	54.25.0002	J-Buchse 2 Pol 16A AMP	
	MP....1	1.992.144.11	1 pcs POWER CONN. PCB	St
	MP....2	1.992.144.04	0 pcs NR.-ETIKETTE 5 * 20	St
	MP....3	54.14.7002	2 pcs Riegelwanne	
	MP....4	54.14.7020	4 pcs Passstift	
	MP....6	1.010.014.22	14 pcs Nietmutter M3 * 4,5	
	MP....7	1.010.062.22	4 pcs Nietmutter M4 * 20	
	P.....1	54.14.1022	P-Leiste 30 Pol Print	
	P.....2	54.14.1022	P-Leiste 30 Pol Print	

EL=Electrolytic, PE=Polyester

Manufacturer : St = Studer

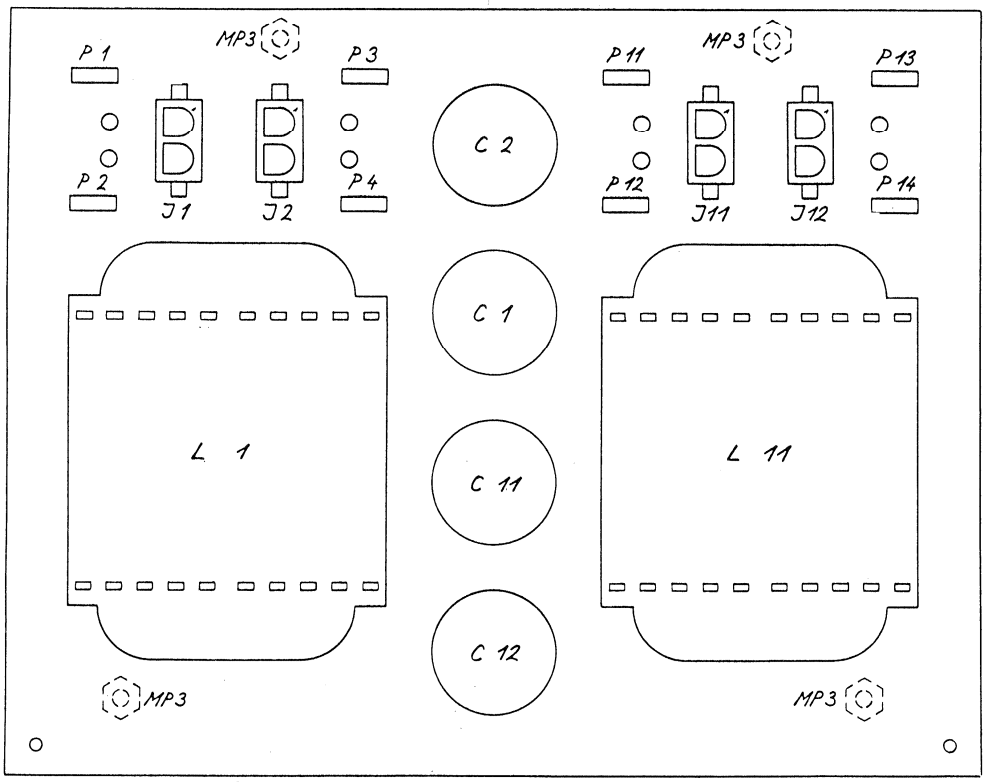
1.992.144.00 POWER CONNECTOR BOARD 2A HOR91/05/1300

CHOKE 100 HZ BOARD 2A 1.992.145.00



0 21.5.91 Hor	. .	. .	. .	. .
				PAGE 1 OF 1
STUDER	CHOKE 100 HZ BOARD	2A		1.992.145.00

CHOKE 100 HZ BOARD 2A 1.992.145.00



Bemerkung: Muss von Hand gelötet werden oder freibleibende Lötaugen müssen vor dem Lötbad abgedeckt werden!

Ad	..POS..	...REF.No...	DESCRIPTION	MANUFACTURER
C	1	59.28.2222	2200 uF 20% 16V EL	any
C	2	59.28.2222	2200 uF 20% 16V EL	any
C	11	. .	not used (see note 1)	
C	12	. .	not used (see note 1)	
J	1	54.25.0002	J-Buchse 2 Pol 16A AMP	
J	2	54.25.0002	J-Buchse 2 Pol 16A AMP	
J	11	. .	not used (see note 1)	
J	12	. .	not used (see note 1)	
L	1	1.022.546.00	2.1 mH CHOKE COIL SU39A	St
L	11	. .	not used (see note 1)	
MP	1	1.992.145.11	1 pcs CHOKE 100 HZ PCB	St
MP	2	1.992.145.04	0 pcs NR.-ETIKETTE 5 * 20	St
MP	3	1.010.054.22	4 pcs Nietmutter M3 * 30,5	
P	1	54.02.0335	FASTON 6,3mm	
P	2	54.02.0335	FASTON 6,3mm	
P	3	54.02.0335	FASTON 6,3mm	
P	4	54.02.0335	FASTON 6,3mm	
P	11	54.02.0335	FASTON 6,3mm	
P	12	54.02.0335	FASTON 6,3mm	
P	13	54.02.0335	FASTON 6,3mm	
P	14	54.02.0335	FASTON 6,3mm	

NOTE 1: Bei Bedarf kann die zweite Haelfte des Print mit Drossel, Kondensatoren und Anschlussteckern bestueckt werden. Diese Bauteile muessen separat geordert werden.
Anlieferungsstelle: KS 610.75 (Hr. Saurenmann)

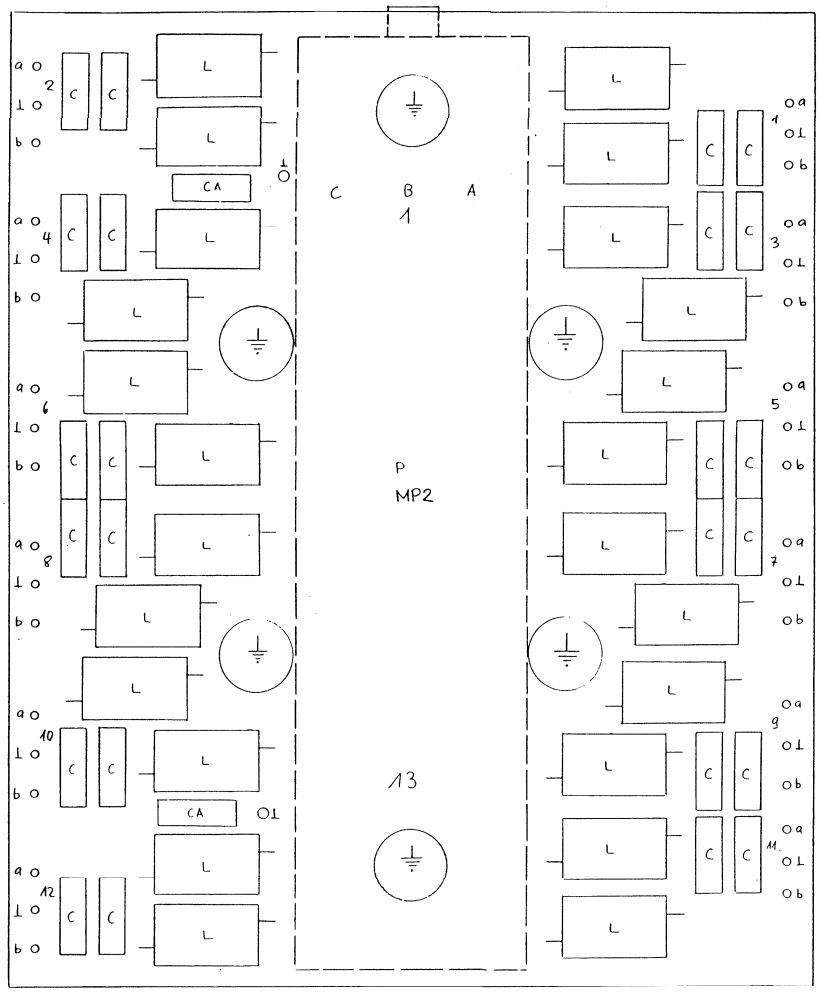
WICHTIG: Baugruppe muss entweder von Hand geloetet werden, oder alle nicht benuetzten Loetaugen muessen vor dem Loetbad abgedeckt werden!

EL=Electrolytic

Manufacturer : St = Studer

1.992.145.00 CHOKE 100 HZ BOARD 2A HOR91/05/2400

RF-FILTER / CONN. BOARD 1.992.146.00



BV670
beachten

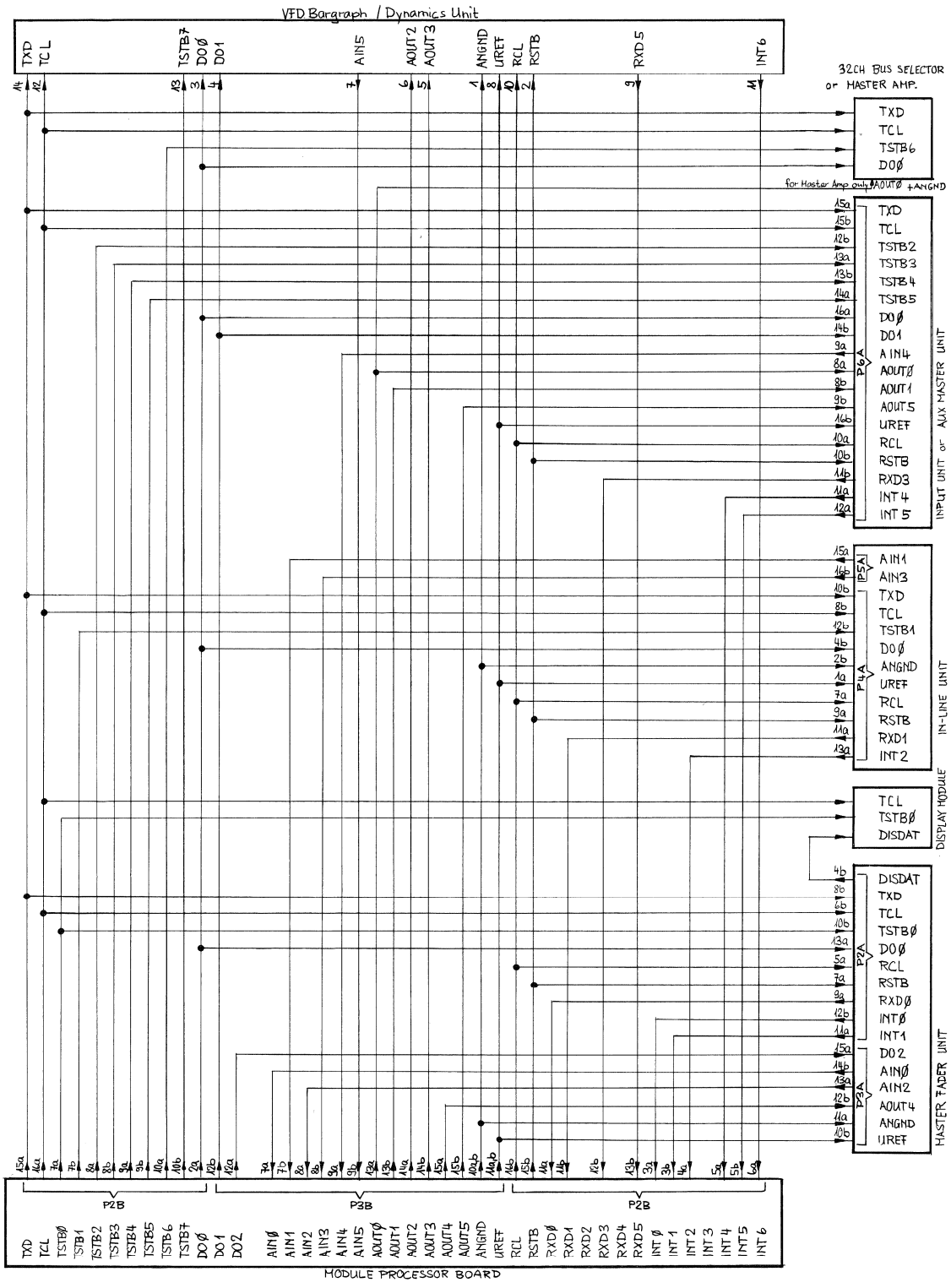
Ansicht Lötseite (Print-Nr): C, L / Bestückungsseite: Stecker, Nietmuttern
Nr-Etikette aufgeklebt nach Fabrikationsmuster

L	62.01.0115	Breitbanddrossel	24 Stk
C	59.34.4221	220 pF	24 Stk
CA	59.06.0473	47 nF	2 Stk
P	54.14.1023	Leiste, 39 POL, Print	1 Stk
MP1	1.010.014.22	Nietmutter M3x4,5	6 Stk
MP2	54.14.7002	Riegelwanne	1 Stk
MP3	54.14.7020	Pass-Stift	1 Stk
MP4	54.14.7023	Pass-Buchse	1 Stk

⓪ 29.4.91 MY				
				PAGE OF
STUDER	RF-Filter/Conn. Board			1.992.146.00

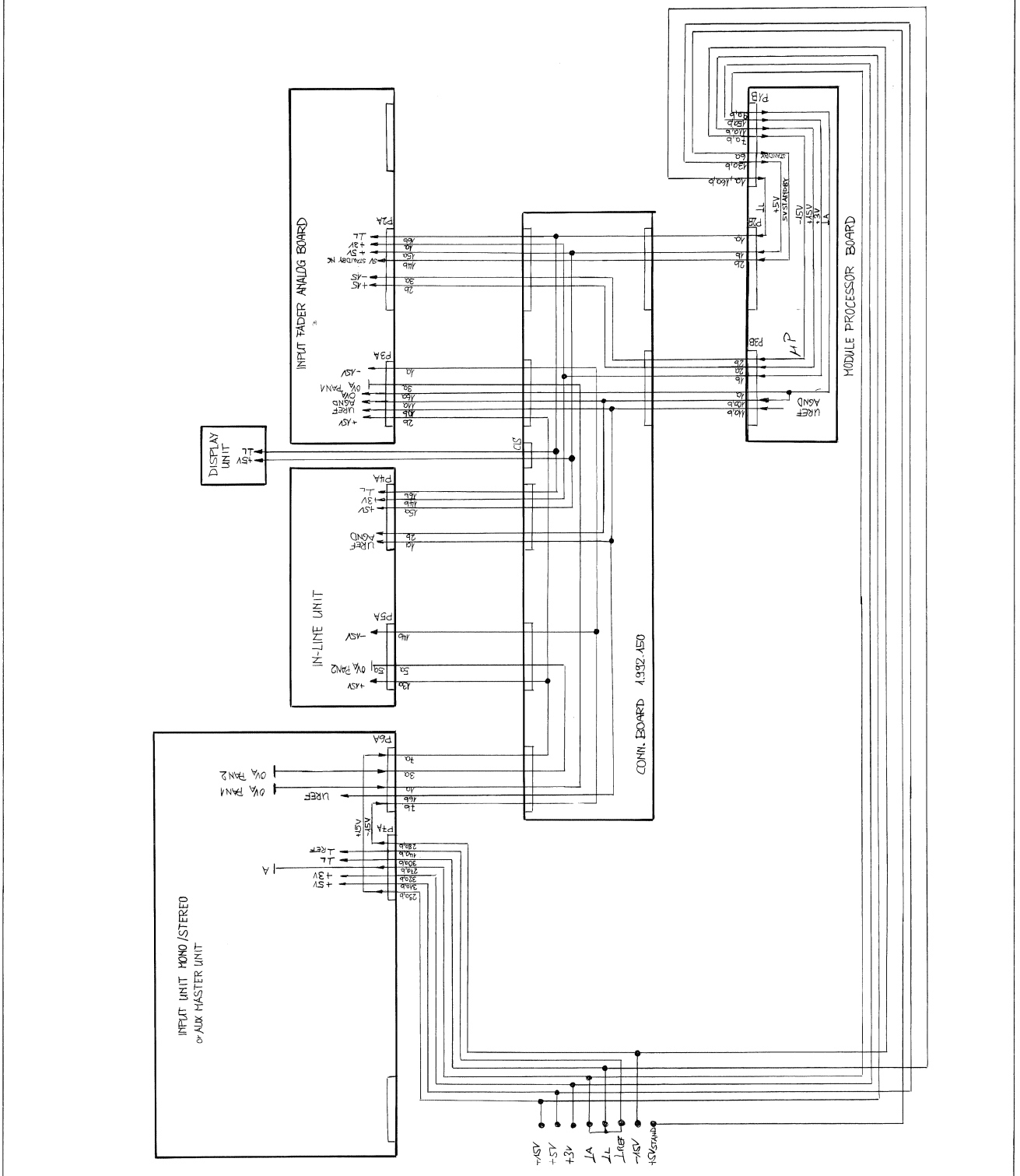
CONN. BOARD INP. / IN-L. / FAD. 4A

1.992.150.00/151.00



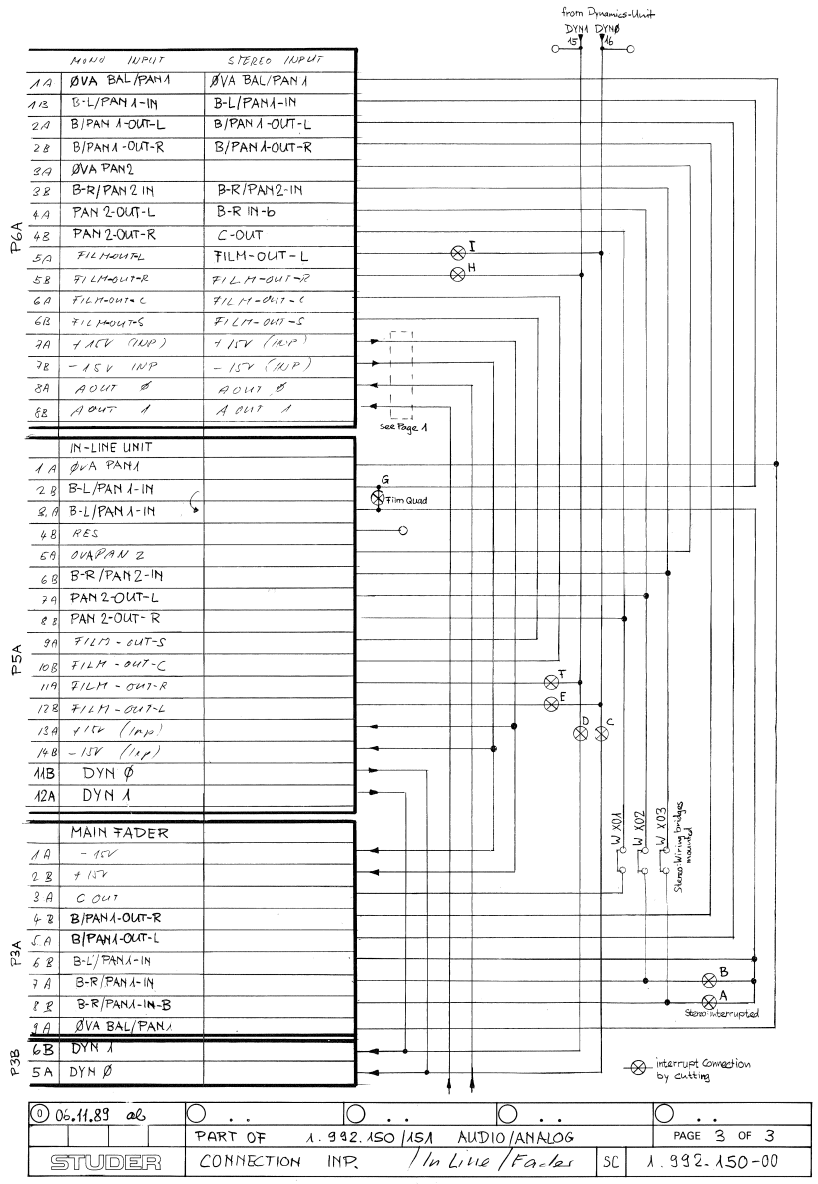
0 30.10.89 al	. .	. .	. .	. .
	CONNECTIONS PROCESSOR TO PERIPHERY			PAGE 1 OF 3
STUDER	CONN. BOARD INP/IN-L./FAD. 4A		SC	1.992.150-00

CONN. BOARD 1.992.150.00/151.00



0 6.11.89 ab					
	SUPPLY CONNECTIONS			PAGE 2 OF 3	
STUDER	CONN. BOARD		SC	1.992.150-00	

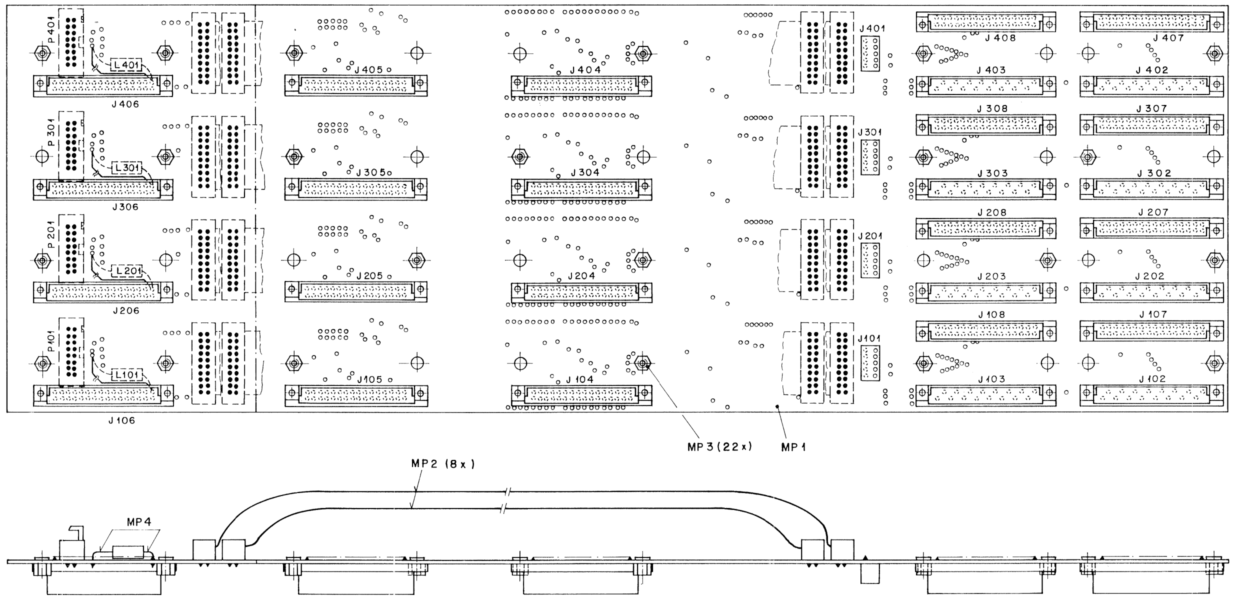
CONNECTION INP. / IN LINE / FADER 1.992.150.00/151.00



① 06.11.89 ab	. .	. .	. .	. .
	PART OF 1.992.150/151 AUDIO/ANALOG			PAGE 3 OF 3
STUDER	CONNECTION INP. / In Line / Faders		SC	1.992.150-00

CONN. BOARD INP. / IN-L. / FAD. 4A 1.992.150.00

① = Leiterbahnen auftrennen



① neu dazu L101, L201, L301, L401

Änderung / Ausgabe	Datum	Gez.	Gepr.	Ges.	Index
					③
					②
	18.4.91				①
	17.11.89				⓪

Kopie für:

STUDER REGENSDORF ZÜRICH — Benennung: CONN. BOARD INP. / IN-L. / FAD. 4A — Nummer: 1.992.150-00

Ad	..POS..	...REF.No...		DESCRIPTION	MANUFACTURER
	J...101	54.01.0288		CIS female, 5 contacts to Display	
	J...102	54.11.2008		Euro, 2* 8 contacts P2A	
	J...103	54.11.2008		Euro, 2* 8 contacts P3A	
	J...104	54.11.2014		Euro, 2*16 contacts P4A	
	J...105	54.11.2014		Euro, 2*16 contacts P5A	
	J...106	54.11.2014		Euro, 2*16 contacts P6A	
	J...107	54.11.2014		Euro, 2*16 contacts P2B	
	J...108	54.11.2014		Euro, 2*16 contacts P3B	
	J...201	54.01.0288		CIS female, 5 contacts to Display	
	J...202	54.11.2008		Euro, 2* 8 contacts P2A	
	J...203	54.11.2008		Euro, 2* 8 contacts P3A	
	J...204	54.11.2014		Euro, 2*16 contacts P4A	
	J...205	54.11.2014		Euro, 2*16 contacts P5A	
	J...206	54.11.2014		Euro, 2*16 contacts P6A	
	J...207	54.11.2014		Euro, 2*16 contacts P2B	
	J...208	54.11.2014		Euro, 2*16 contacts P3B	
	J...301	54.01.0288		CIS female, 5 contacts to Display	
	J...302	54.11.2008		Euro, 2* 8 contacts P2A	
	J...303	54.11.2008		Euro, 2* 8 contacts P3A	
	J...304	54.11.2014		Euro, 2*16 contacts P4A	
	J...305	54.11.2014		Euro, 2*16 contacts P5A	
	J...306	54.11.2014		Euro, 2*16 contacts P6A	
	J...307	54.11.2014		Euro, 2*16 contacts P2B	
	J...308	54.11.2014		Euro, 2*16 contacts P3B	
	J...401	54.01.0288		CIS female, 5 contacts to Display	
	J...402	54.11.2008		Euro, 2* 8 contacts P2A	
	J...403	54.11.2008		Euro, 2* 8 contacts P3A	
	J...404	54.11.2014		Euro, 2*16 contacts P4A	
	J...405	54.11.2014		Euro, 2*16 contacts P5A	
	J...406	54.11.2014		Euro, 2*16 contacts P6A	
	J...407	54.11.2014		Euro, 2*16 contacts P2B	
	J...408	54.11.2014		Euro, 2*16 contacts P3B	
01	L...101	62.01.0115		Wide band HF-Choke for UREF	
01	L...201	62.01.0115		Wide band HF-Choke for UREF	
01	L...301	62.01.0115		Wide band HF-Choke for UREF	
01	L...401	62.01.0115		Wide band HF-Choke for UREF	
	MP....1	1.992.150.11	1 pcs	Print	St
	MP....2	1.023.172.48	8 pcs	Flachkabel 20 pol, 0,48M	St
	MP....3	1.010.014.22	22 pcs	Nietmutter M3*4.5	
01	MP....4	65.03.0158	100 mm	Isolierschlauch	
	P...101	54.14.2102		FB-Plug, 16 contacts to Meter Unit	
	P...102	. . 0	not used	54142001 10 contacts IL-Bus	
	P...201	54.14.2102		FB-Plug, 16 contacts to Meter Unit	
	P...202	. . 0	not used	54142001 10 contacts IL-Bus	
	P...301	54.14.2102		FB-Plug, 16 contacts to Meter Unit	
	P...302	. . 0	not used	54142001 10 contacts IL-Bus	
	P...401	54.14.2102		FB-Plug, 16 contacts to Meter Unit	
	P...402	. . 0	not used	54142001 10 contacts IL-Bus	
	W...101	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...102	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...103	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...201	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...202	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...203	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...301	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...302	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...303	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...401	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...402	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...403	. . 0	not used	57113000 Wiring bridge for Stereo	

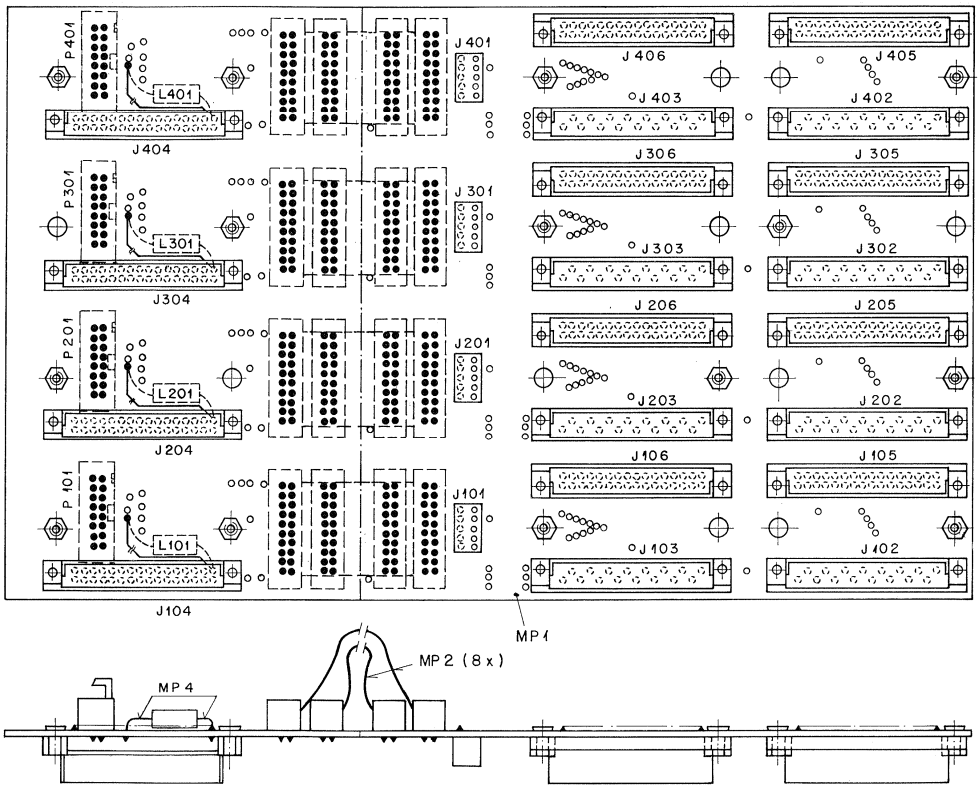
MANUFACTURER: St=Studer

(01) 91/04/18 HF-Suppression on UREF ==> L101...L401, MP 4

1.992.150.00 CONN. BOARD INP./IN-L./FAD. 4 AAB 89/11/1400

1.992.150.00 CONN. BOARD INP./IN-L./FAD. 4 AAB 91/04/1801

CONN. BOARD INP. / FADER 4A 1.992.151.00



① Leiterbahnen auftrennen

① neu dazu L 101, L 201, L 301, L 401

Änderung					
					③
					②
	18.4.91				①
Ausgabe	17.11.89				⓪
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

STUDER REGENSDORF ZÜRICH	Benennung: CONN. BOARD INP. / FADER 4 A	Nummer: 1.992.151-00

Ad	..POS..	...REF.No...		DESCRIPTION	MANUFACTURER
	J...101	54.01.0288		CIS female, 5 contacts to Display	
	J...102	54.11.2008		Euro, 2* 8 contacts P2A	
	J...103	54.11.2008		Euro, 2* 8 contacts P3A	
	J...104	54.11.2014		Euro, 2*16 contacts P6A	
	J...105	54.11.2014		Euro, 2*16 contacts P2B	
	J...106	54.11.2014		Euro, 2*16 contacts P3B	
	J...201	54.01.0288		CIS female, 5 contacts to Display	
	J...202	54.11.2008		Euro, 2* 8 contacts P2A	
	J...203	54.11.2008		Euro, 2* 8 contacts P3A	
	J...204	54.11.2014		Euro, 2*16 contacts P6A	
	J...205	54.11.2014		Euro, 2*16 contacts P2B	
	J...206	54.11.2014		Euro, 2*16 contacts P3B	
	J...301	54.01.0288		CIS female, 5 contacts to Display	
	J...302	54.11.2008		Euro, 2* 8 contacts P2A	
	J...303	54.11.2008		Euro, 2* 8 contacts P3A	
	J...304	54.11.2014		Euro, 2*16 contacts P6A	
	J...305	54.11.2014		Euro, 2*16 contacts P2B	
	J...306	54.11.2014		Euro, 2*16 contacts P3B	
	J...401	54.01.0288		CIS female, 5 contacts to Display	
	J...402	54.11.2008		Euro, 2* 8 contacts P2A	
	J...403	54.11.2008		Euro, 2* 8 contacts P3A	
	J...404	54.11.2014		Euro, 2*16 contacts P6A	
	J...405	54.11.2014		Euro, 2*16 contacts P2B	
	J...406	54.11.2014		Euro, 2*16 contacts P3B	
01	L...101	62.01.0115		Wide band HF-Choke for UREF	
01	L...201	62.01.0115		Wide band HF-Choke for UREF	
01	L...301	62.01.0115		Wide band HF-Choke for UREF	
01	L...401	62.01.0115		Wide band HF-Choke for UREF	
	MP....1	1.992.151.11	1 pcs	Print	St
	MP....2	1.023.172.48	8 pcs	Flachkabel 20 pol, 0,48M	St
	MP....3	1.010.014.22	14 pcs	Nietmutter M3*4.5	
01	MP....4	65.03.0158	100 mm	Isolierschlauch	
	P...101	54.14.2102		FB-Plug, 16 contacts to Meter Unit	
	P...201	54.14.2102		FB-Plug, 16 contacts to Meter Unit	
	P...301	54.14.2102		FB-Plug, 16 contacts to Meter Unit	
	P...401	54.14.2102		FB-Plug, 16 contacts to Meter Unit	
	W...101	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...102	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...103	. . 0	not used	57113000 Wiring bridge for Stereo	

Ad	..POS..	...REF.No...		DESCRIPTION	MANUFACTURER
	W...201	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...202	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...203	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...301	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...302	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...303	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...401	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...402	. . 0	not used	57113000 Wiring bridge for Stereo	
	W...403	. . 0	not used	57113000 Wiring bridge for Stereo	

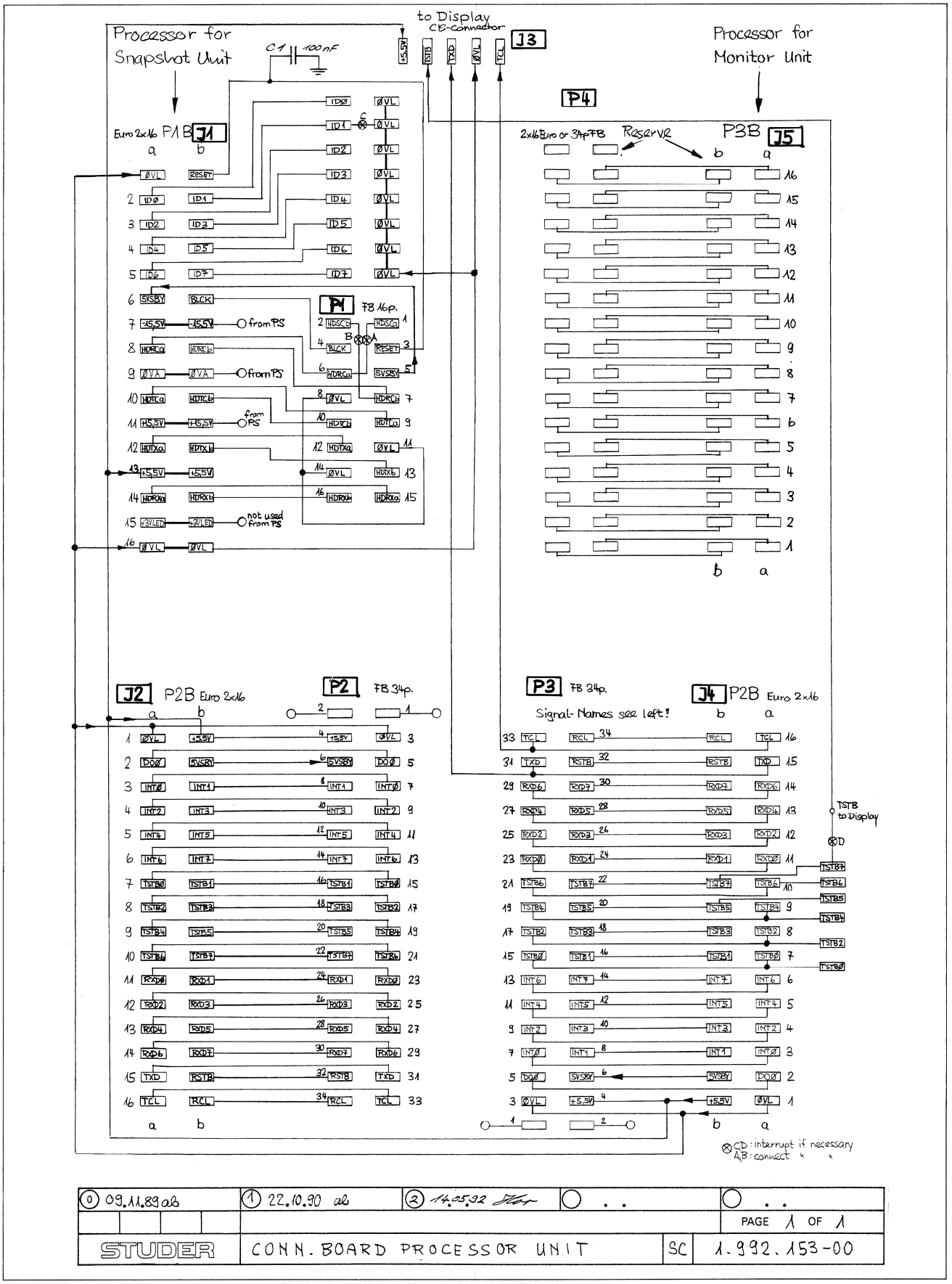
MANUFACTURER: St=Studer

(01) 91/04/18 HF-Suppression on UREF ==> L 101...L 401, MP 4

1.992.151.00 CONN.BOARD INP./FADER 4A AB 89/11/1400

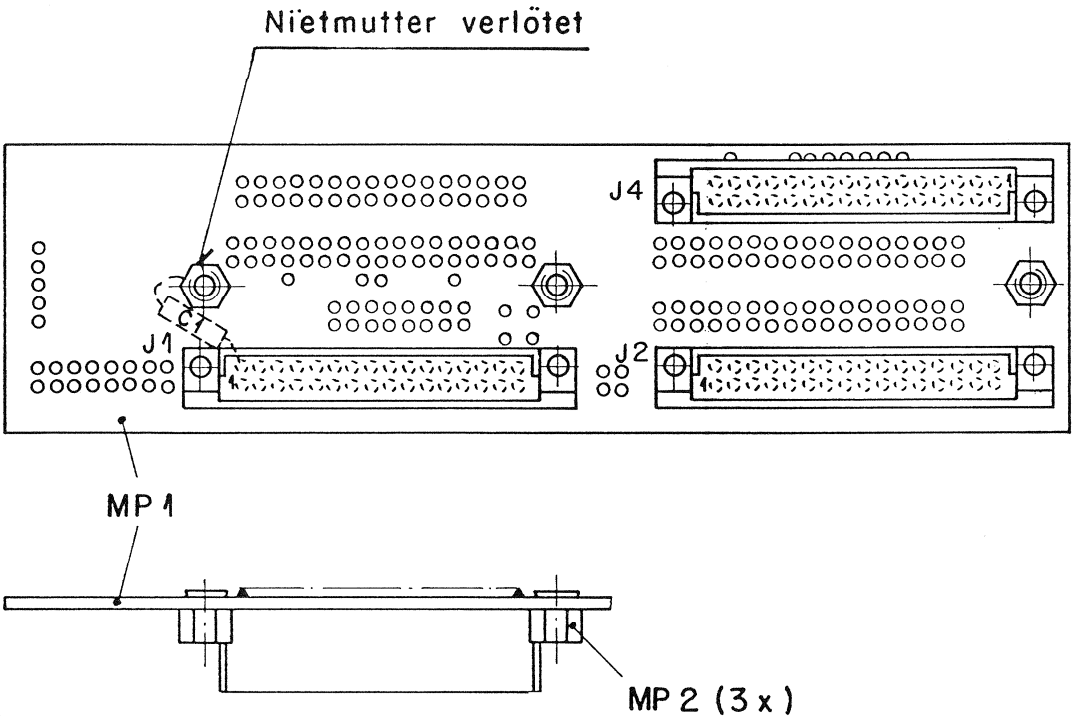
1.992.151.00 CONN.BOARD INP./FADER 4A AB 91/04/1801

CONNECTION BOARD PROCESSOR UNIT 1A 1.992.153.00



⓪ 09.11.89 ab	① 22.10.90 ab	② 14.05.92	. .	. .
				PAGE 1 OF 1
STUDER	CONN. BOARD PROCESSOR UNIT		SC	1.992.153-00

CONNECTION BOARD PROCESSOR UNIT 1A 1.992.153.00



Änderung					
					3
					2
	14.5.92				1
Ausgabe	1.2.90				0
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

① C 1 neu dazu.

STUDER REGENSDORF ZÜRICH	Benennung: CONN. BOARD PROCESSOR UNIT 1A	Nummer: 1.992.153-00

Ad	..POS..	...REF.No...		DESCRIPTION.....MANUFACTURER
01	C.....1	59.03.2104	0.1 uF	MPETP 10% 160/250V
	J.....1	54.11.2014	2*16 Pin	Euroconnector female (HDLC-Signals left)
	J.....2	54.11.2014	2*16 Pin	Euroconnector female (Serdat-Signals left)
	J.....3	. . 0	not used	54.01.0288 CIS female, 5 contacts (Display)
	J.....4	54.11.2014	2*16 Pin	Euroconnector female (Serdat-Signals right)
	J.....5	. . 0	not used	54.11.2014 Euroconnector (Analog right)
	MP....1	1.992.153.11	1 pcs	Print St
	MP....2	1.010.014.22	3 pcs	Nietmuttern M3*4.5mm St
	P.....1	. . 0	not used	54.14.5025 solder 16pin Conn.(HDLC-Signals)
	P.....2	. . 0	not used	54.14.5035 solder 34pin Conn.(Serdat-Sign.)
	P.....3	. . 0	not used	54.14.5035 solder 34pin Conn.(Serdat-Sign.)
	P.....4	. . 0	not used	Reserved Spare

(01) 14.05.92 Breakdown EMV-Test. Additional C 1 (100nF) between chassis and HDLC-resetline.

MANUFACTURER: St=Studer

1.992.153.00 CONN.BOARD PROCESSOR UNIT 1A AB 90/01/0800

1.992.153.00 CONN.BOARD PROCESSOR UNIT 1A AB 92/05/1401