

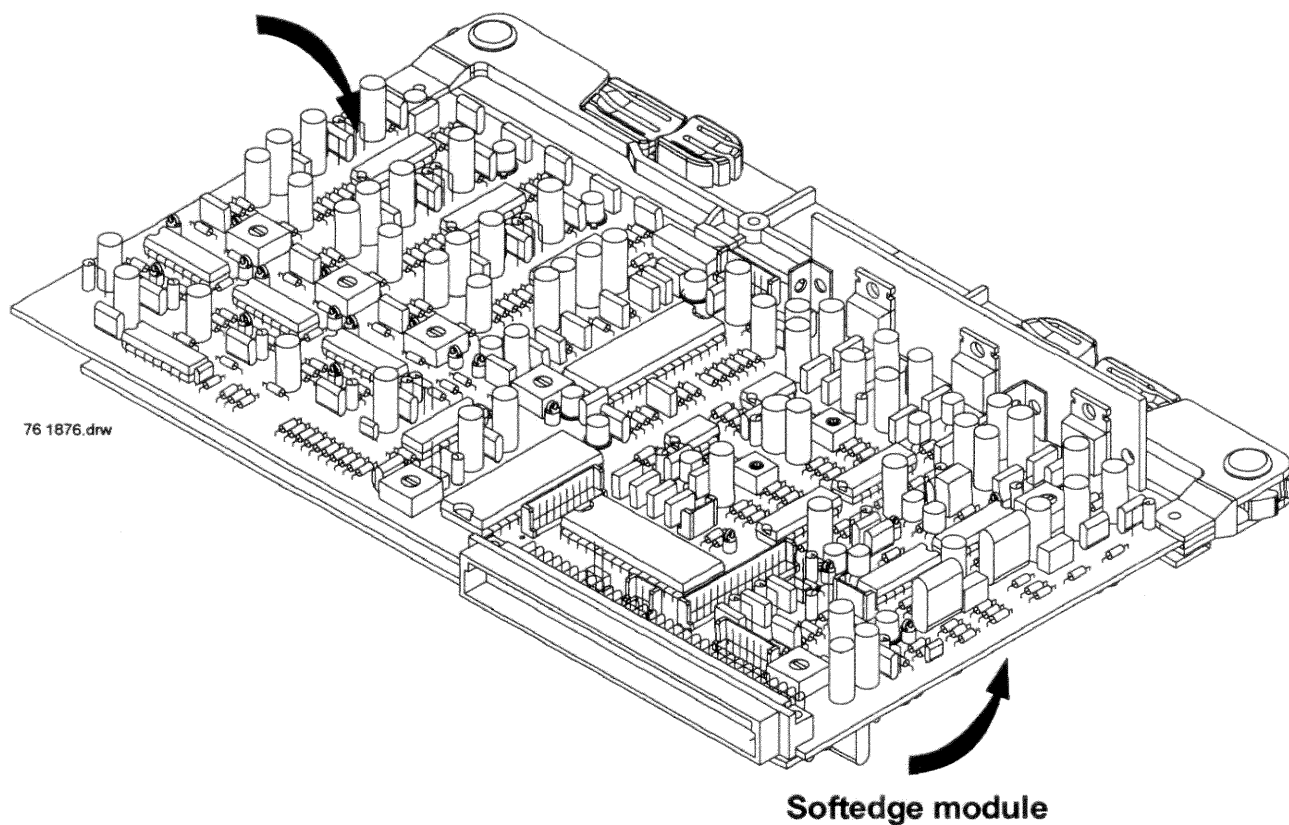


BARCO Projection Systems

SECTION **Z**

service sheet

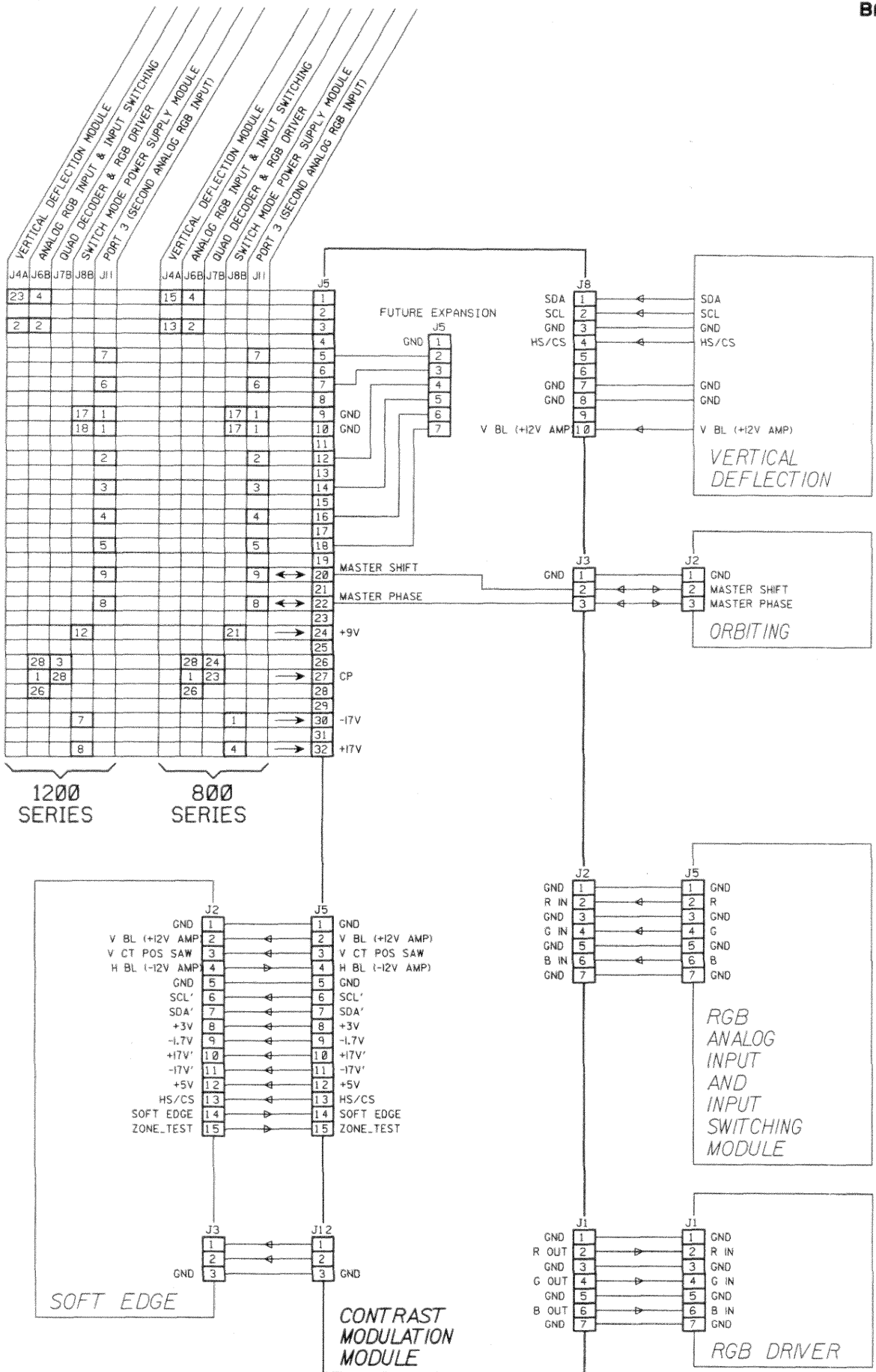
Contrast modulation module



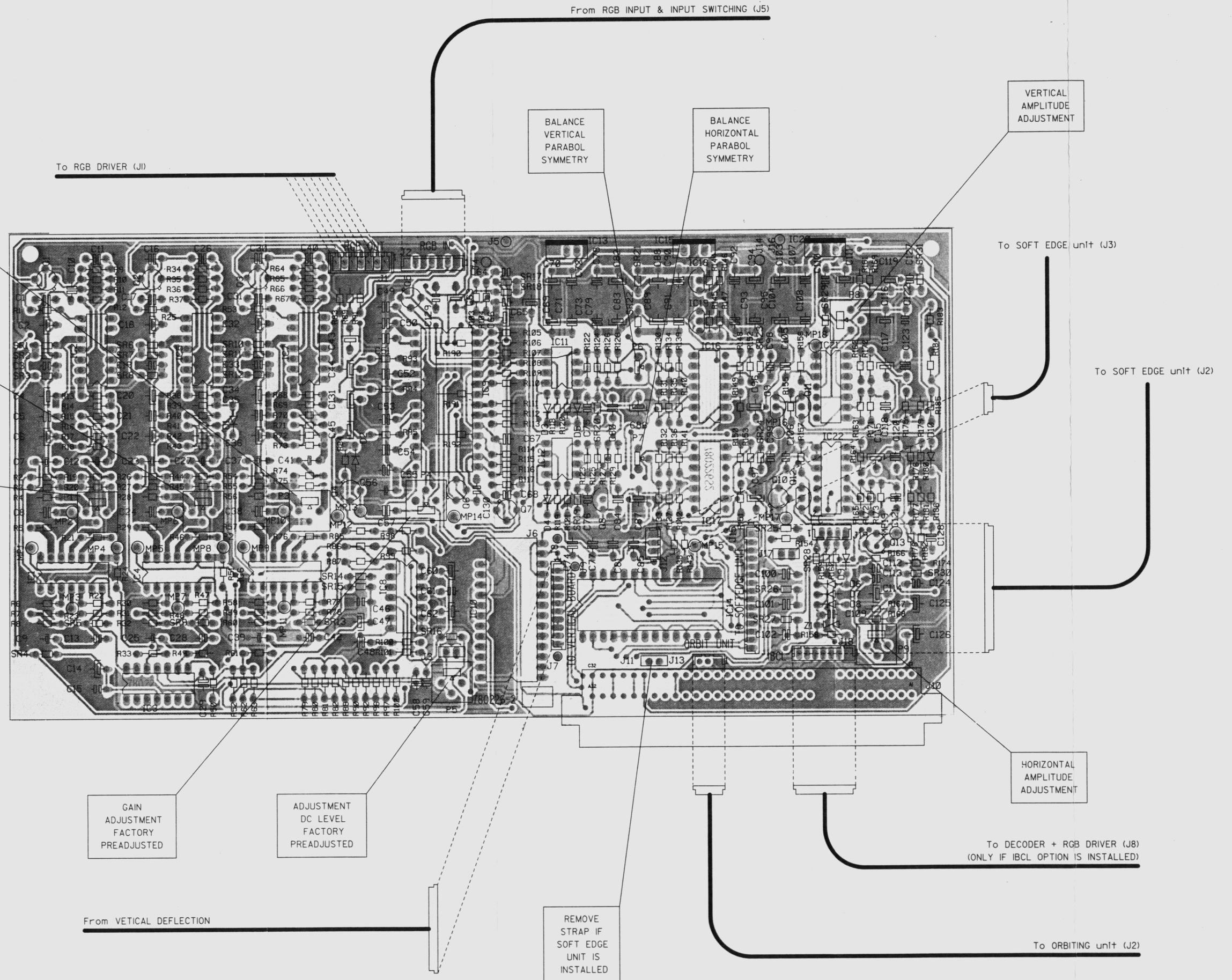
76 1876.drw

Installation guidelines: refer to service sheet 59 75235

1200 series

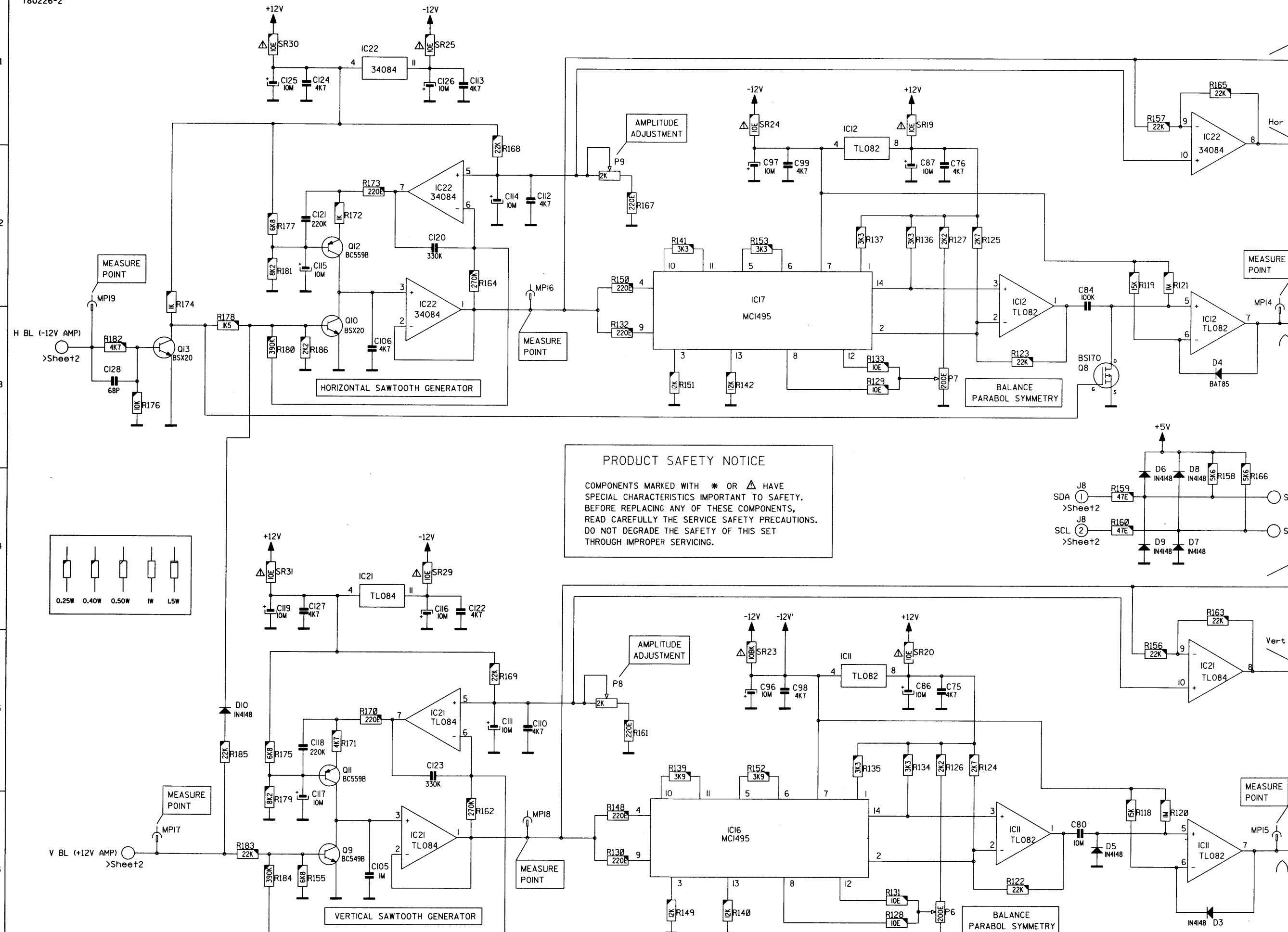


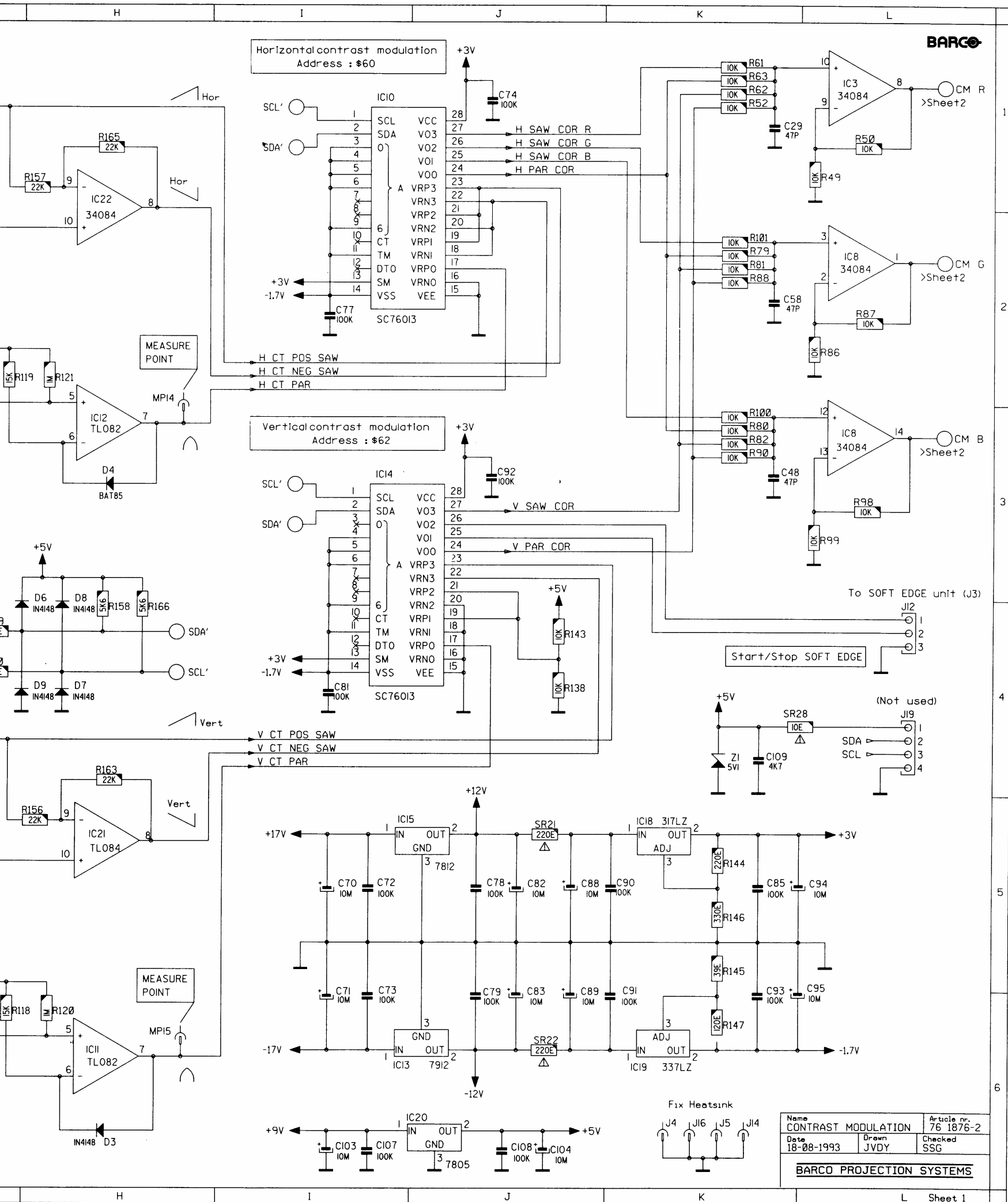
COMP. LOC.		COMP. LOC.		COMP. LOC.		COMP. LOC.	
C1	B 2	D1	C 3	R34	C 2	R165	F 4
C2	B 3	D2	D 3	R35	C 2	R166	F 4
C3	B 3	D3	E 3	R36	C 2	R167	F 4
C4	B 3	D4	E 4	R37	C 2	R168	F 4
C5	B 3	D5	E 3	R38	C 3	R169	F 2
C6	B 3	D6	F 4	R39	C 3	R170	F 3
C7	B 3	D7	F 4	R40	C 3	R171	F 3
C8	B 4	D8	F 4	R41	C 3	R172	F 4
C9	B 4	D9	F 4	R42	C 3	R173	F 4
C10	B 2	D10	G 3	R43	C 3	R174	G 4
C11	B 2			R44	C 3	R175	G 3
C12	B 3	IC1	B 4	R45	C 3	R176	G 3
C13	B 4	IC2	B 3	R46	C 4	R177	G 4
C14	B 4	IC3	B 5	R47	C 4	R178	G 4
C15	B 5	IC4	B 4	R48	C 4	R179	G 3
C16	B 2	IC5	C 3	R49	C 4	R180	G 3
C17	B 2	IC6	C 4	R50	C 5	R181	G 4
C18	B 3	IC7	C 3	R51	C 4	R182	G 4
C19	B 3	IC8	D 4	R52	C 5	R183	G 3
C20	B 3	IC9	D 3	R53	C 3	R184	G 3
C21	B 3	IC10	D 4	R54	C 3	R185	G 3
C22	B 3	IC11	E 3	R55	C 3	R186	G 4
C23	B 3	IC12	E 3	R56	C 4	R190	D 3
C24	B 4	IC13	E 2	R57	C 4	R191	D 3
C25	B 4	IC14	F 4	R58	C 4	R192	D 3
C26	C 2	IC15	E 2	R59	C 4		
C27	C 3	IC16	E 3	R60	C 4	SR1	B 3
C28	C 4	IC17	E 4	R61	C 4	SR2	B 3
C29	C 5	IC18	E 2	R62	C 5	SR3	B 3
C30	C 2	IC19	E 2	R63	C 5	SR4	B 4
C31	C 2	IC20	F 2	R64	C 2	SR5	B 4
C32	C 3	IC21	F 3	R65	C 2	SR6	B 3
C33	C 3	IC22	F 3	R66	C 2	SR7	B 3
C34	C 3			R67	C 2	SR8	B 3
C35	C 3	J1	D 2	R68	C 3	SR9	C 4
C36	C 3	J2	D 2	R69	C 3	SR10	C 3
C37	C 3	J3	D 4	R70	C 3	SR11	C 3
C38	C 4	J4	D 2	R71	C 3	SR12	C 3
C39	C 4	J5	D 2	R72	C 3	SR13	C 4
C40	C 2	J6	E 4	R73	C 3	SR14	C 4
C41	C 3	J7	E 4	R74	C 3	SR15	C 4
C42	C 4	J8	E 4	R75	C 3	SR16	D 4
C43	C 3	J9	E 4	R76	C 4	SR17	D 2
C44	C 3	J10	G 5	R77	C 4	SR18	D 2
C45	C 3	J11	E 4	R78	C 4	SR19	E 4
C46	D 4	J12	E 4	R79	C 5	SR20	E 3
C47	D 4	J13	E 4	R80	C 5	SR21	E 2
C48	D 4	J14	F 2	R81	C 5	SR22	E 3
C49	D 2	J15	F 4	R82	D 5	SR23	F 3
C50	D 3	J16	F 2	R83	D 3	SR24	F 3
C51	D 3	J17	F 4	R84	D 3	SR25	F 4
C52	D 3	J18	F 4	R85	C 4	SR26	F 4
C53	D 3	J19	F 4	R86	C 4	SR27	F 4
C54	D 3			R87	C 4	SR28	F 4
C55	D 3	MP1	B 4	R88	D 5	SR29	F 3
C56	D 3	MP2	B 4	R89	D 3	SR30	G 4
C57	D 4	MP3	B 4	R90	D 5	SR31	G 2
C58	D 5	MP4	B 4	R91	D 3		
C59	D 5	MP5	B 4	R92	D 5	Z1	F 4
C60	D 4	MP6	C 4	R93	D 3		
C61	D 4	MP7	C 4	R94	D 3		
C62	D 4	MP8	C 4	R95	D 3		
C63	D 2	MP9	C 4	R96	D 5		
C64	D 2	MP10	C 4	R97	D 5		
C65	D 3	MP11	C 4	R98	D 4		
C66	D 3	MP12	C 4	R99	D 4		
C67	E 3	MP13	D 4	R100	D 4		
C68	D 4	MP14	D 4	R101	D 4		
C69	E 3	MP15	E 4	R102	D 5		
C70	E 2	MP16	F 3	R103	D 3		
C71	E 3	MP17	F 4	R104	D 3		
C72	E 2	MP18	F 3	R105	E 3		
C73	E 3	MP19	F 4	R106	E 3		
C74	E 4			R107	E 3		
C75	E 3	P1	B 4	R108	E 3		
C76	E 4	P2	C 4	R109	E 3		
C77	E 4	P3	C 4	R110	E 3		
C78	E 2	P4	D 3	R111	E 3		
C79	E 3	P5	D 5	R112	E 3		
C80	E 3	P6	E 3	R113	E 3		
C81	E 4	P7	E 3	R114	D 3		
C82	E 2	P8	F 2	R115	D 3		
C83	E 3	P9	F 4	R116	D 3		
C84	E 4			R117	D 3		
C85	E 4	Q1	B 2	R118	E 3		
C86	E 3	Q2	B 2	R119	E 4		
C87	E 4	Q3	C 2	R120	E 3		
C88	E 2	Q4	D 4	R121	E 4		
C89	E 3	Q5	D 2	R122	E 3		
C90	E 2	Q6	D 4	R123	E 3		
C91	E 3	Q7	D 4	R124	E 3		
C92	F 2	Q8	E 4	R125	E 3		
C93	F 3	Q9	F 3	R126	E 3		
C94	F 2	Q10	F 3	R127	E 3		
C95	F 3	Q11	F 3	R128	E 3		
C96	F 3	Q12	F 3	R129	E 3		
C97	F 3	Q13	F 4	R130	E 3		
C98	F 3			R131	E 3		
C99	F 3	R1	B 3	R132	E 3		
C100	F 4	R2	B 3	R133	E 4		
C101	F 4	R3	B 3	R134	E 3		
C102	F 4	R4	B 4	R135	E 3		
C103	F 2	R5	B 4	R136	E 3		
C104	F 3	R6	B 4	R137	E 4		
C105	F 3	R7	B 4	R138	E 4		
C106	F 3	R8	B 4	R139	E 3		
C107	F 2	R9	B 2	R140	E 3		
C108	F 3	R10	B 2	R141	E 3		
C109	F 4	R11	B 2	R142	E 4		
C110	F 2	R12	B 2	R143	E 4		
C111	F 2	R13	B 3	R144	F 2		
C112	F 4	R14	B 3	R145	F 3		
C113	F 4	R15	B 3	R146	F 2		
C114	F 4	R16	B 3	R147	F 3		
C115	F 3	R17	B 3	R148	F 3		
C116	F 2	R18	B 3	R149	F 3		
C117	F 3	R19	B 3	R150	F 3		
C118	F 3	R20	B 3	R151	F 4		
C119	F 2	R21	B 4	R152	F 3		
C120	F 3	R22	B 4	R153	F 3		
C121	F 4	R23	B 4	R154	F 4		
C122	G 2	R24	B 4	R155	F 3		
C123	G 3	R25	C 3	R156	F 3		
C124	G 4	R26	B 3	R157	F 3		
C125	G 4	R27	B 3	R158	F 4		
C126	G 4	R28	B 4	R159	F 4		
C127	G 2	R29	B 4	R160	F 4		
C128	G 4	R30	B 4	R161	F 2		
C129	D 3	R31	B 4	R162	F 3		
C130	D 4	R32	B 4	R163	F 3		
C131	C 3	R33	B 4	R164	F 3		



Name CONTRAST MODULATION		Article nr. 76 1876-2
Date 14-09-1993	Drawn JVDY	Checked SSG
BARCO PROJECTION SYSTEMS		

Modifications reserved





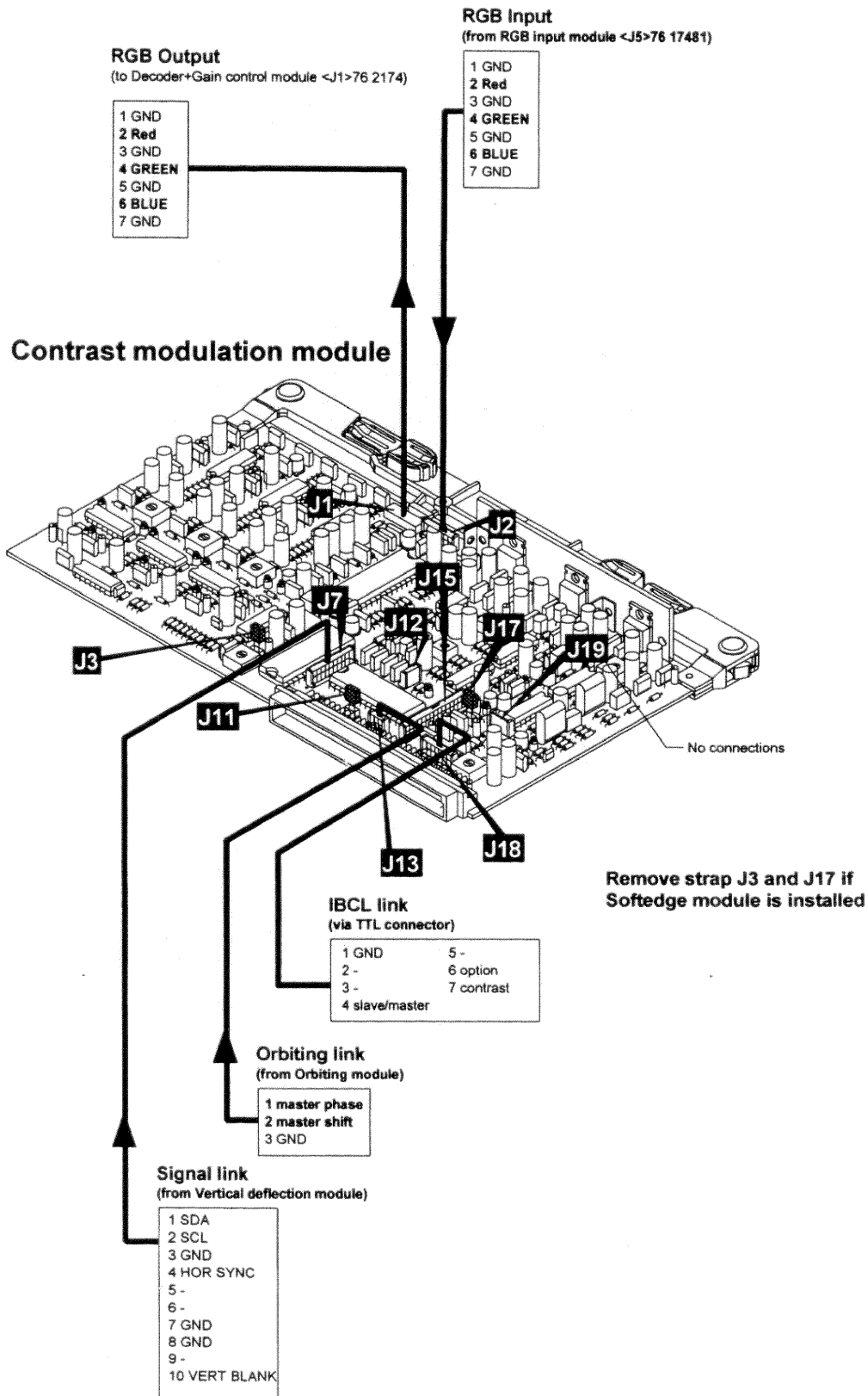
Horizontal contrast modulation
Address : \$60

Vertical contrast modulation
Address : \$62

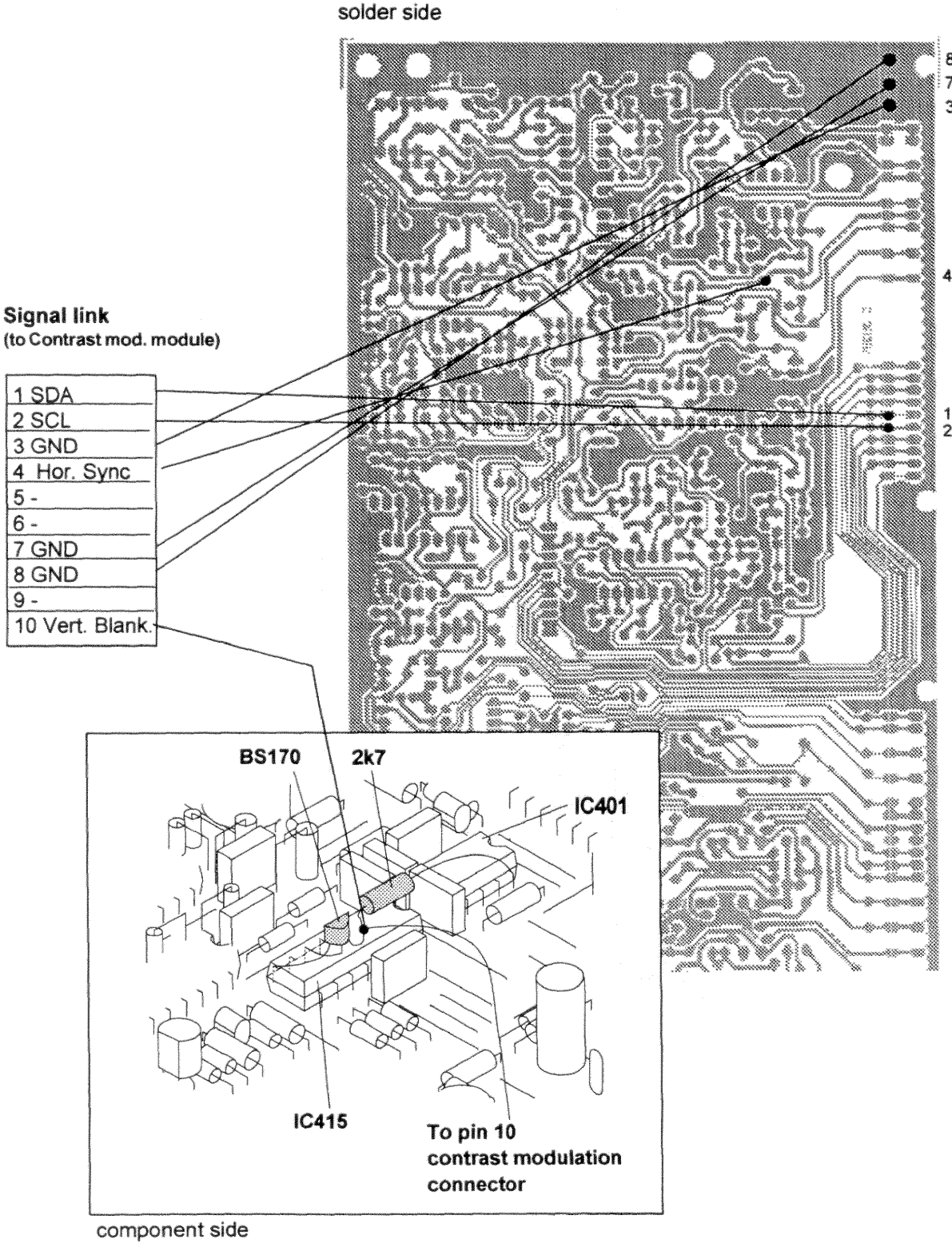
Start/Stop SOFT EDGE

Name CONTRAST MODULATION		Article nr. 76 1876-2
Date 18-08-1993	Drawn JVDY	Checked SSG
BARCO PROJECTION SYSTEMS		

BARCO

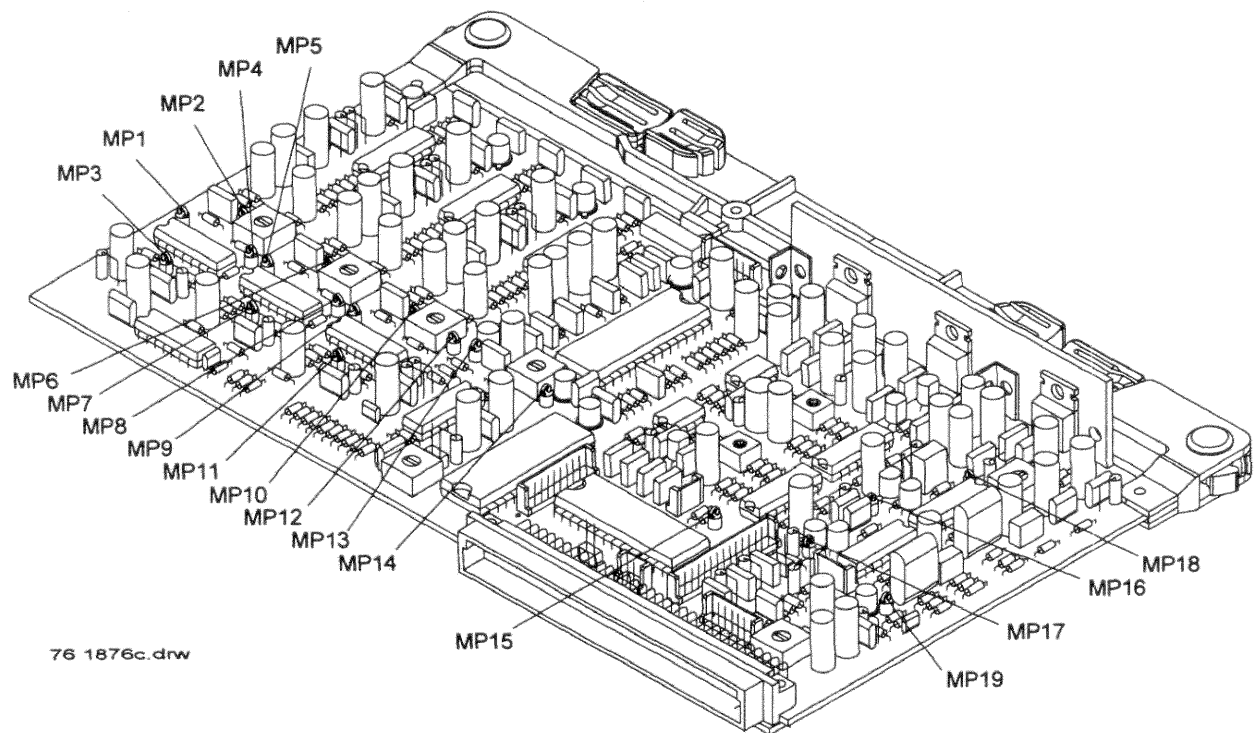


Interconnection Vert. Deflection module for 1200 series projectors/Contrast modulation module

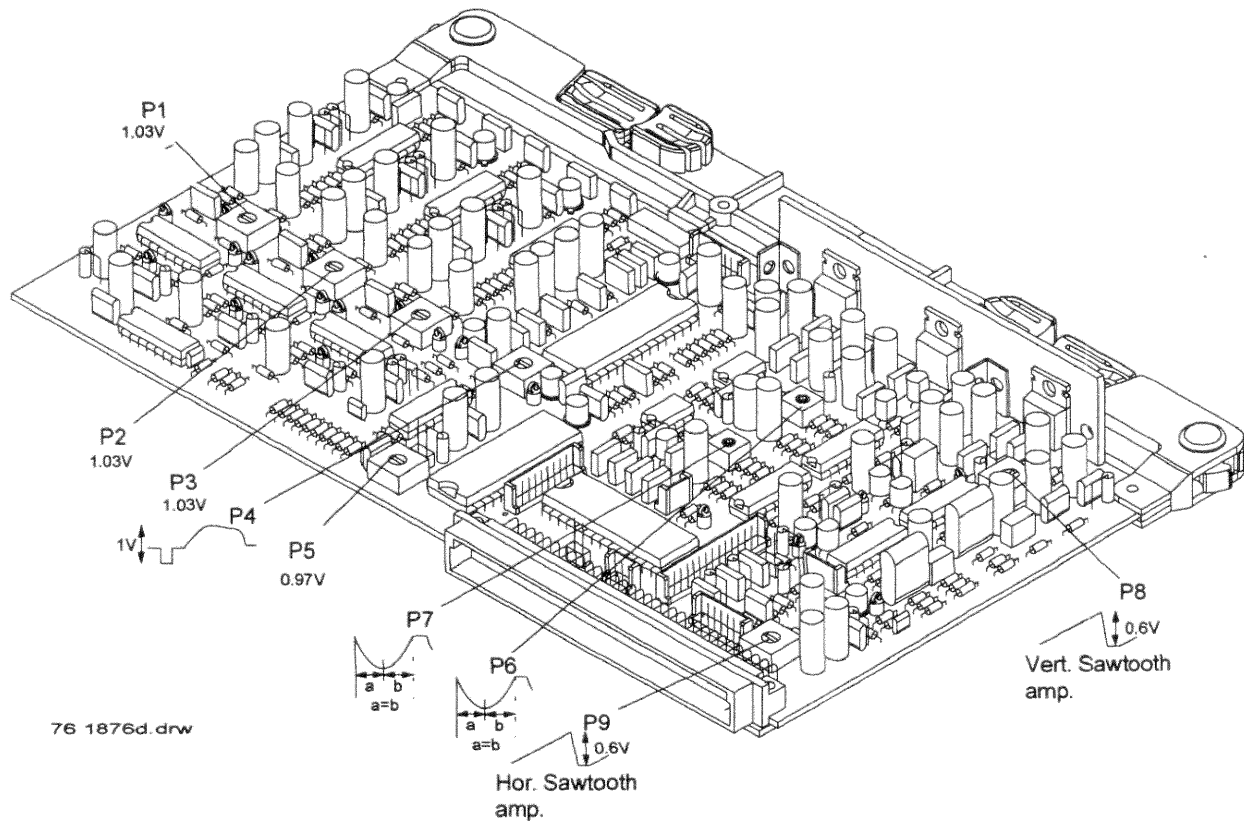


Adjustment procedure

Location of measure points (MP)



Location of adjustment points (P)



Recommended input signal of the projector: a complete white image with a horizontal frequency of 64 KHz.

Adjustment of the Horizontal sawtooth amplitude P9

Connect the oscilloscope to the measurepoint MP16.
Adjust the amplitude of the sawtooth signal with the potentiometer P9 for 0.6Vpp.

Symmetry adjustment of the Horizontal parabola P7

Connect the oscilloscope to the measurepoint MP14.
Adjust the potentiometer P7 for a symmetrical parabola signal.

Adjustment of the Vertical sawtooth amplitude P8

Connect the oscilloscope to the measurepoint MP18.
Adjust the amplitude of the sawtooth signal with the potentiometer P8 for 0.6Vpp.

Symmetry adjustment of the Vertical parabola P6

Connect the oscilloscope to the measurepoint MP15.
Adjust the potentiometer P6 for a symmetrical parabola signal.

Video amplitude adjustment P4

Connect the oscilloscope to the measurepoint MP5.
Adjust the amplitude of the video signal with the potentiometer P4 for 1.0 Vpp.

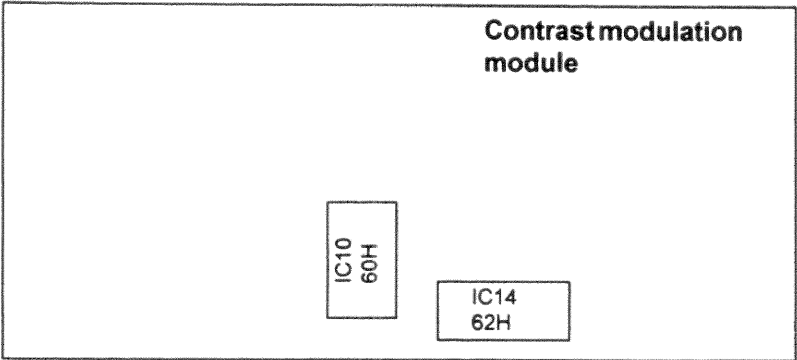
Bias adjustment P5 (if Softedge module is NOT installed)

Connect a voltmeter to measurepoint MP11.
Adjust the potentiometer P5 for 0.97V DC on MP11

Black level adjustment P1(Red) P2(Green) P3(Blue)

for Red: Connect a voltmeter to measurepoint MP2.
Adjust the potentiometer P1 for 1.03V on measure point MP2.
for Green: Connect a voltmeter to measurepoint MP6.
Adjust the potentiometer P2 for 1.03V on measure point MP6.
for Blue: Connect a voltmeter to measurepoint MP10.
Adjust the potentiometer P3 for 1.03V on measure point MP10.

Extra I2C error codes:

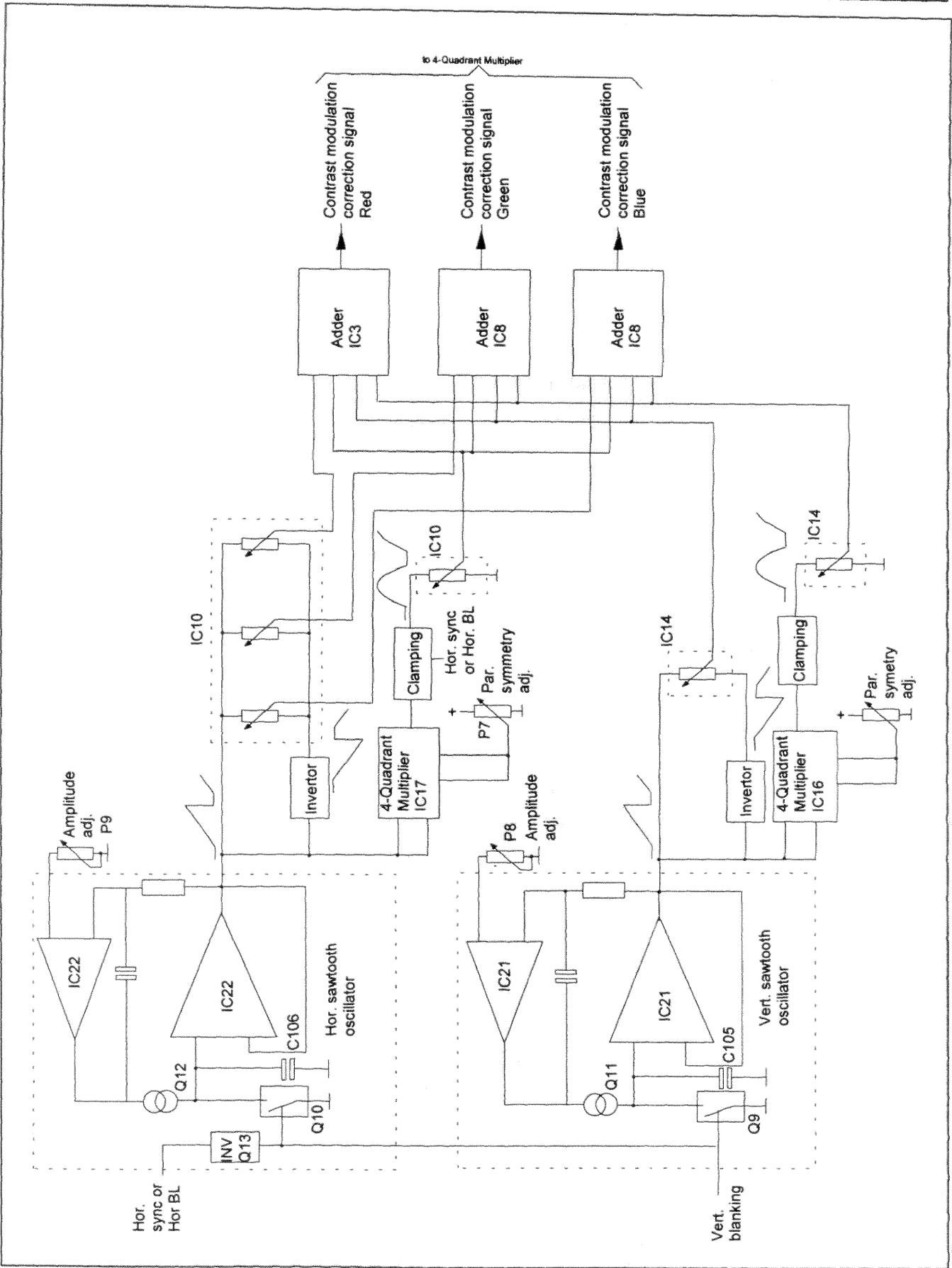


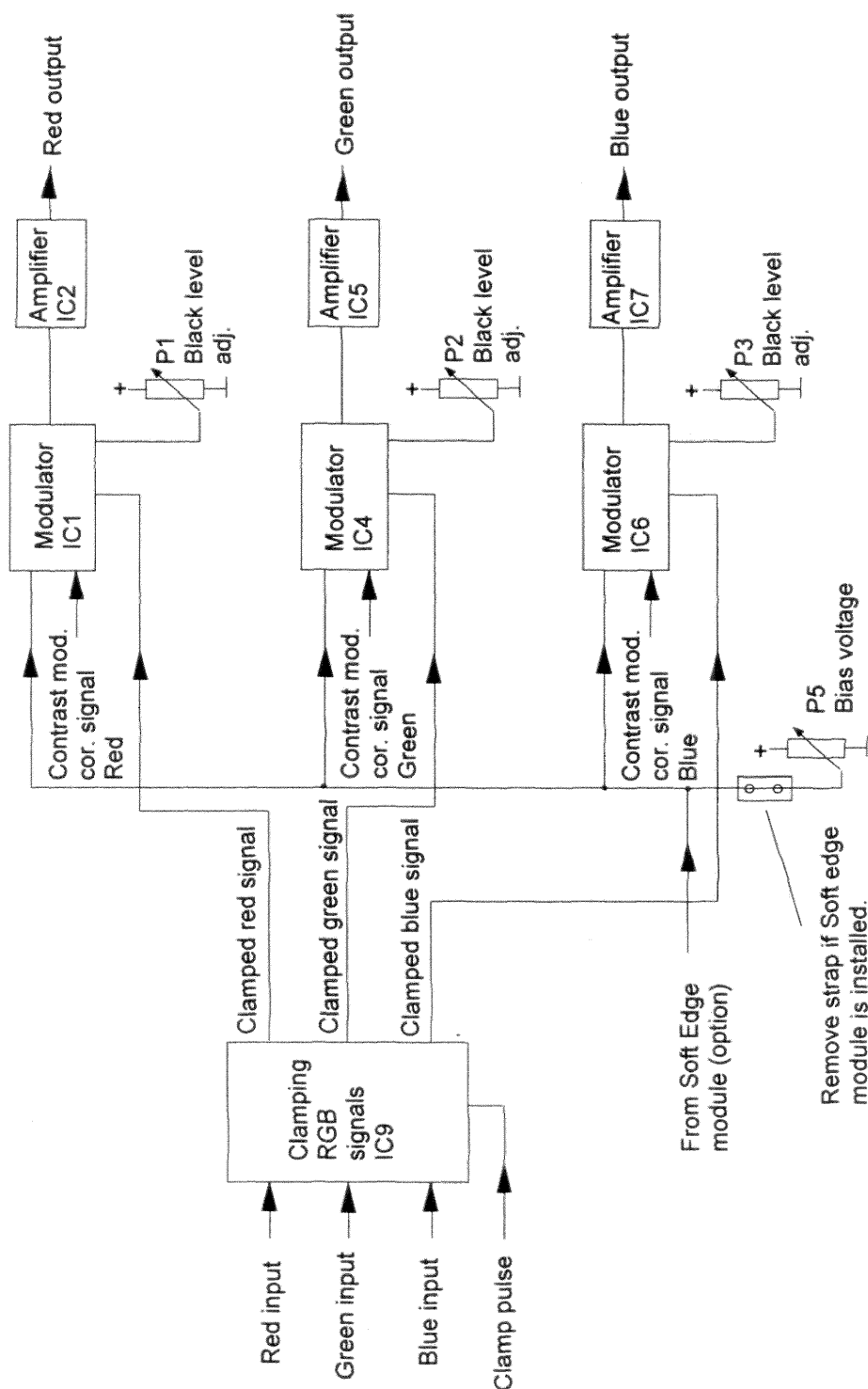
Softedge module

Hex	Ic number	adjustments
5EH	IC12	Bottom soft edge Top Right Left

Contrast modulation module

Hex	Ic number	adjustments
60H	IC10	Left-Right R Horizontal G Horizontal B Horizontal
62H	IC14	Top-Bottom Vertical Stop soft edge Start





Parts listing 76 1876

ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 1531	C..2	C EL RA 10M M 35E2 85	11 3724	C.72	C POMERA 100N K 63E2
11 2747	C..3	C CE MI 4N7K 63E2	11 3724	C.73	C POMERA 100N K 63E2
11 1531	C..4	C EL RA 10M M 35E2 85	11 3724	C.74	C POMERA 100N K 63E2
11 3724	C..5	C POMERA 100N K 63E2	11 2747	C.75	C CE MI 4N7K 63E2
11 1531	C..6	C EL RA 10M M 35E2 85	11 2747	C.76	C CE MI 4N7K 63E2
11 1510	C..7	C EL RA 22M M 25E2 85	11 3724	C.77	C POMERA 100N K 63E2
11 3724	C..8	C POMERA 100N K 63E2	11 3724	C.78	C POMERA 100N K 63E2
11 1510	C..9	C EL RA 22M M 25E2 85	11 3724	C.79	C POMERA 100N K 63E2
11 3724	C.10	C POMERA 100N K 63E2	11 1678	C.80	C EL BRA 10M M 25E2 85
11 1510	C.12	C EL RA 22M M 25E2 85	11 3724	C.81	C POMERA 100N K 63E2
11 2747	C.13	C CE MI 4N7K 63E2	11 1531	C.82	C EL RA 10M M 35E2 85
11 1531	C.14	C EL RA 10M M 35E2 85	11 1531	C.83	C EL RA 10M M 35E2 85
11 2747	C.15	C CE MI 4N7K 63E2	11 3724	C.84	C POMERA 100N K 63E2
11 3724	C.16	C POMERA 100N K 63E2	11 3724	C.85	C POMERA 100N K 63E2
11 1531	C.18	C EL RA 10M M 35E2 85	11 1531	C.86	C EL RA 10M M 35E2 85
11 2747	C.19	C CE MI 4N7K 63E2	11 1531	C.87	C EL RA 10M M 35E2 85
11 1531	C.20	C EL RA 10M M 35E2 85	11 1531	C.88	C EL RA 10M M 35E2 85
11 3724	C.21	C POMERA 100N K 63E2	11 1531	C.89	C EL RA 10M M 35E2 85
11 1531	C.22	C EL RA 10M M 35E2 85	11 3724	C.90	C POMERA 100N K 63E2
11 1510	C.23	C EL RA 22M M 25E2 85	11 3724	C.91	C POMERA 100N K 63E2
11 3724	C.24	C POMERA 100N K 63E2	11 3724	C.92	C POMERA 100N K 63E2
11 1510	C.25	C EL RA 22M M 25E2 85	11 3724	C.93	C POMERA 100N K 63E2
11 1510	C.27	C EL RA 22M M 25E2 85	11 1531	C.94	C EL RA 10M M 35E2 85
11 2747	C.28	C CE MI 4N7K 63E2	11 1531	C.95	C EL RA 10M M 35E2 85
11 2238	C.29	C NPO MI 47P G 63E2	11 1531	C.96	C EL RA 10M M 35E2 85
11 3724	C.30	C POMERA 100N K 63E2	11 1531	C.97	C EL RA 10M M 35E2 85
11 1531	C.32	C EL RA 10M M 35E2 85	11 2747	C.98	C CE MI 4N7K 63E2
11 2747	C.33	C CE MI 4N7K 63E2	11 2747	C.99	C CE MI 4N7K 63E2
11 1531	C.34	C EL RA 10M M 35E2 85	11 3724	C100	C POMERA 100N K 63E2
11 3724	C.35	C POMERA 100N K 63E2	11 3724	C101	C POMERA 100N K 63E2
11 1531	C.36	C EL RA 10M M 35E2 85	11 3724	C102	C POMERA 100N K 63E2
11 1510	C.37	C EL RA 22M M 25E2 85	11 1531	C103	C EL RA 10M M 35E2 85
11 3724	C.38	C POMERA 100N K 63E2	11 1531	C104	C EL RA 10M M 35E2 85
11 1510	C.39	C EL RA 22M M 25E2 85	11 4090	C105	C POMERA 1M M 63E2
11 1510	C.41	C EL RA 22M M 25E2 85	11 2747	C106	C CE MI 4N7K 63E2
11 2747	C.42	C CE MI 4N7K 63E2	11 3724	C107	C POMERA 100N K 63E2
11 1531	C.43	C EL RA 10M M 35E2 85	11 3724	C108	C POMERA 100N K 63E2
11 1531	C.44	C EL RA 10M M 35E2 85	11 2747	C109	C CE MI 4N7K 63E2
11 1531	C.45	C EL RA 10M M 35E2 85	11 2747	C110	C CE MI 4N7K 63E2
11 2747	C.46	C CE MI 4N7K 63E2	11 1531	C111	C EL RA 10M M 35E2 85
11 1531	C.47	C EL RA 10M M 35E2 85	11 2747	C112	C CE MI 4N7K 63E2
11 2238	C.48	C NPO MI 47P G 63E2	11 2747	C113	C CE MI 4N7K 63E2
11 3724	C.49	C POMERA 100N K 63E2	11 1531	C114	C EL RA 10M M 35E2 85
11 3724	C.50	C POMERA 100N K 63E2	11 1531	C115	C EL RA 10M M 35E2 85
11 3724	C.51	C POMERA 100N K 63E2	11 1531	C116	C EL RA 10M M 35E2 85
11 3724	C.52	C POMERA 100N K 63E2	11 1531	C117	C EL RA 10M M 35E2 85
11 3724	C.53	C POMERA 100N K 63E2	11 3728	C118	C POMERA 220N K 63E2
11 3724	C.54	C POMERA 100N K 63E2	11 1531	C119	C EL RA 10M M 35E2 85
11 3724	C.55	C POMERA 100N K 63E2	11 3730	C120	C POMERA 330N K 63E2
11 1476	C.56	C EL RA 47M M 25E2 85	11 3728	C121	C POMERA 220N K 63E2
11 3724	C.57	C POMERA 100N K 63E2	11 2747	C122	C CE MI 4N7K 63E2
11 2238	C.58	C NPO MI 47P G 63E2	11 3730	C123	C POMERA 330N K 63E2
11 2747	C.59	C CE MI 4N7K 63E2	11 2747	C124	C CE MI 4N7K 63E2
11 1531	C.60	C EL RA 10M M 35E2 85	11 1531	C125	C EL RA 10M M 35E2 85
11 2747	C.61	C CE MI 4N7K 63E2	11 1531	C126	C EL RA 10M M 35E2 85
11 1531	C.62	C EL RA 10M M 35E2 85	11 2747	C127	C CE MI 4N7K 63E2
11 1531	C.63	C EL RA 10M M 35E2 85	11 2240	C128	C NPO MI 68P J 63E2
11 2747	C.64	C CE MI 4N7K 63E2	11 2763	C129	C CE MI 10N U 63E2
11 2747	C.65	C CE MI 4N7K 63E2	11 2763	C130	C CE MI 10N U 63E2
11 1531	C.66	C EL RA 10M M 35E2 85	11 2236	C130	C NPO MI 33P G 63E2
11 3724	C.67	C POMERA 100N K 63E2	11 1531	C131	C EL RA 10M M 35E2 85
11 2747	C.68	C CE MI 4N7K 63E2			
11 1531	C.69	C EL RA 10M M 35E2 85	13 1621	D..1	D S 1N4148 075150 DO35
11 1531	C.70	C EL RA 10M M 35E2 85	13 1621	D..2	D S 1N4148 075150 DO35
11 1531	C.71	C EL RA 10M M 35E2 85	13 1621	D..3	D S 1N4148 075150 DO35

13 16361	D..4	D Y BAT85	030200 DO35	10 7004	P..6	R TCE H200E M 0W5 S7 TS3362P
13 1621	D..5	D S 1N4148	075150 DO35	10 7004	P..7	R TCE H200E M 0W5 S7 TS3362P
13 1621	D..6	D S 1N4148	075150 DO35	10 6727	P..8	R TCE H 2K K 0W5 S10TS3386P
13 1621	D..7	D S 1N4148	075150 DO35	10 6727	P..9	R TCE H 2K K 0W5 S10TS3386P
13 1621	D..8	D S 1N4148	075150 DO35			
13 1621	D..9	D S 1N4148	075150 DO35	78 0226	PC..	PCD PJ49 CTRS_MOD
13 1621	D..10	D S 1N4148	075150 DO35			
13 4222	I..1	U 1495 MC	DIL14 P	13 2911	Q..1	Q 2N5583 P SS TO39 030A5
13 4221	I..2	U 592 NE	DIL14 PVID_A	13 2911	Q..2	Q 2N5583 P SS TO39 030A5
13 4125	I..3	U 34084	DIP14 POPAMP	13 2911	Q..3	Q 2N5583 P SS TO39 030A5
13 4222	I..4	U 1495 MC	DIL14 P	13 1491	Q..4	Q BSX20 .2369 N SS TO18 015A2
13 4221	I..5	U 592 NE	DIL14 PVID_A	13 1491	Q..5	Q BSX20 .2369 N SS TO18 015A2
13 4222	I..6	U 1495 MC	DIL14 P	13 1491	Q..6	Q BSX20 .2369 N SS TO18 015A2
13 4221	I..7	U 592 NE	DIL14 PVID_A	13 1491	Q..7	Q BSX20 .2369 N SS TO18 015A2
13 4125	I..8	U 34084	DIP14 POPAMP	13 2910	Q..8	Q BS170 FN SS TO92 060A5
13 2826	I..9	U 1203 LM	DIP28 PRGB	13 14295	Q..9	Q BC549B N SS TO92 030A1
13 2833	I..10	U 76013 SC	DIP28 PD_POT	13 1491	Q..10	Q BSX20 .2369 N SS TO18 015A2
13 4124	I..11	U 082 TL	DIP8 POPAMP	13 14181	Q..11	Q BC559B P SS TO92 030A1
13 4124	I..12	U 082 TL	DIP8 POPAMP	13 14181	Q..12	Q BC559B P SS TO92 030A1
13 4016	I..13	U 7912	TO220 PSTAB	13 1491	Q..13	Q BSX20 .2369 N SS TO18 015A2
13 2833	I..14	U 76013 SC	DIP28 PD_POT			
13 4002	I..15	U 7812	TO220 PSTAB	10 1508	R..1	R MF H 4E7 F 0W4 E2
13 4222	I..16	U 1495 MC	DIL14 P	10 1541	R..2	R MF H 2K7 F 0W4 E2
13 4222	I..17	U 1495 MC	DIL14 P	10 1534	R..3	R MF H680E F 0W4 E2
13 4028	I..18	U 317LZ	TO92 PSTAB	10 1532	R..4	R MF H470E F 0W4 E2
13 4029	I..19	U 337LZ	TO92 PSTAB	10 1539	R..5	R MF H 1K8 F 0W4 E2
13 4001	I..20	U 7805	TO220 PSTAB	10 1548	R..6	R MF H 10K F 0W4 E2
13 4113	I..21	U 084 TL	DIP14 POPAMP	10 1512	R..7	R MF H 10E F 0W4 E2
13 4125	I..22	U 34084	DIP14 POPAMP	10 1534	R..8	R MF H680E F 0W4 E2
				10 1523	R..10	R MF H 82E F 0W4 E2
				10 1536	R..11	R MF H 1K F 0W4 E2
31 3927	J..2	J CT	MBT P 7 M2SN	10 1544	R..12	R MF H 4K7 F 0W4 E2
31 3276	J..3	J MD1	MBT P10 R1SN	10 1512	R..13	R MF H 10E F 0W4 E2
31 3930	J..8	J CT	MBT P10 M2SN	10 1552	R..14	R MF H 22K F 0W4 E2
31 3531	J..10	J EUR2C MBS P64 E1 C2S P		10 1512	R..15	R MF H 10E F 0W4 E2
31 3276	J..11	J MD1	MBT P10 R1SN	10 1550	R..16	R MF H 15K F 0W4 E2
31 3923	J..12	J CT	MBT P 3 M2SN	10 1552	R..17	R MF H 22K F 0W4 E2
31 3923	J..13	J CT	MBT P 3 M2SN	10 1550	R..18	R MF H 15K F 0W4 E2
31 3935	J..15	J CT	MBT P15 M2SN	10 1534	R..19	R MF H680E F 0W4 E2
31 3276	J..17	J MD1	MBT P10 R1SN	10 1546	R..20	R MF H 6K8 F 0W4 E2
31 3927	J..18	J CT	MBT P 7 M2SN	10 1532	R..21	R MF H470E F 0W4 E2
31 3924	J..19	J CT	MBT P 4 M2SN	10 1540	R..22	R MF H 2K2 F 0W4 E2
				10 1529	R..23	R MF H270E F 0W4 E2
31 3729	MP..1	J PIN	MBT D 2 TESTEYE	10 1512	R..24	R MF H 10E F 0W4 E2
31 3729	MP..2	J PIN	MBT D 2 TESTEYE	10 1508	R..25	R MF H 4E7 F 0W4 E2
31 3729	MP..3	J PIN	MBT D 2 TESTEYE	10 1541	R..26	R MF H 2K7 F 0W4 E2
31 3729	MP..4	J PIN	MBT D 2 TESTEYE	10 1534	R..27	R MF H680E F 0W4 E2
31 3729	MP..5	J PIN	MBT D 2 TESTEYE	10 1532	R..28	R MF H470E F 0W4 E2
31 3729	MP..6	J PIN	MBT D 2 TESTEYE	10 1539	R..29	R MF H 1K8 F 0W4 E2
31 3729	MP..7	J PIN	MBT D 2 TESTEYE	10 1548	R..30	R MF H 10K F 0W4 E2
31 3729	MP..8	J PIN	MBT D 2 TESTEYE	10 1512	R..31	R MF H 10E F 0W4 E2
31 3729	MP..9	J PIN	MBT D 2 TESTEYE	10 1534	R..32	R MF H680E F 0W4 E2
31 3729	MP10	J PIN	MBT D 2 TESTEYE	10 1512	R..33	R MF H 10E F 0W4 E2
31 3729	MP11	J PIN	MBT D 2 TESTEYE	10 1523	R..35	R MF H 82E F 0W4 E2
31 3729	MP12	J PIN	MBT D 2 TESTEYE	10 1536	R..36	R MF H 1K F 0W4 E2
31 3729	MP13	J PIN	MBT D 2 TESTEYE	10 1544	R..37	R MF H 4K7 F 0W4 E2
31 3729	MP14	J PIN	MBT D 2 TESTEYE	10 1512	R..38	R MF H 10E F 0W4 E2
31 3729	MP15	J PIN	MBT D 2 TESTEYE	10 1552	R..39	R MF H 22K F 0W4 E2
31 3729	MP16	J PIN	MBT D 2 TESTEYE	10 1512	R..40	R MF H 10E F 0W4 E2
31 3729	MP17	J PIN	MBT D 2 TESTEYE	10 1550	R..41	R MF H 15K F 0W4 E2
31 3729	MP18	J PIN	MBT D 2 TESTEYE	10 1552	R..42	R MF H 22K F 0W4 E2
31 3729	MP19	J PIN	MBT D 2 TESTEYE	10 1550	R..43	R MF H 15K F 0W4 E2
				10 1534	R..44	R MF H680E F 0W4 E2
10 6725	P..1	R TCE H500E K 0W5 S10TS3386P		10 1546	R..45	R MF H 6K8 F 0W4 E2
10 6725	P..2	R TCE H500E K 0W5 S10TS3386P		10 1532	R..46	R MF H470E F 0W4 E2
10 6725	P..3	R TCE H500E K 0W5 S10TS3386P		10 1540	R..47	R MF H 2K2 F 0W4 E2
10 6729	P..4	R TCE H 10K K 0W5 S10TS3386P		10 1529	R..48	R MF H270E F 0W4 E2
10 6730	P..5	R TCE H 20K K 0W5 S10TS3386P		10 1548	R..49	R MF H 10K F 0W4 E2

10 1548 R.50 R MF H 10K F 0W4 E2
 10 1512 R.51 R MF H 10E F 0W4 E2
 10 1548 R.52 R MF H 10K F 0W4 E2
 10 1508 R.53 R MF H 4E7 F 0W4 E2
 10 1541 R.54 R MF H 2K7 F 0W4 E2
 10 1534 R.55 R MF H680E F 0W4 E2
 10 1532 R.56 R MF H470E F 0W4 E2
 10 1539 R.57 R MF H 1K8 F 0W4 E2
 10 1548 R.58 R MF H 10K F 0W4 E2
 10 1512 R.59 R MF H 10E F 0W4 E2
 10 1534 R.60 R MF H680E F 0W4 E2
 10 1548 R.61 R MF H 10K F 0W4 E2
 10 1548 R.62 R MF H 10K F 0W4 E2
 10 1548 R.63 R MF H 10K F 0W4 E2
 10 1523 R.65 R MF H 82E F 0W4 E2
 10 1536 R.66 R MF H 1K F 0W4 E2
 10 1544 R.67 R MF H 4K7 F 0W4 E2
 10 1512 R.68 R MF H 10E F 0W4 E2
 10 1552 R.69 R MF H 22K F 0W4 E2
 10 1512 R.70 R MF H 10E F 0W4 E2
 10 1550 R.71 R MF H 15K F 0W4 E2
 10 1552 R.72 R MF H 22K F 0W4 E2
 10 1550 R.73 R MF H 15K F 0W4 E2
 10 1534 R.74 R MF H680E F 0W4 E2
 10 1546 R.75 R MF H 6K8 F 0W4 E2
 10 1532 R.76 R MF H470E F 0W4 E2
 10 1540 R.77 R MF H 2K2 F 0W4 E2
 10 1529 R.78 R MF H270E F 0W4 E2
 10 1548 R.79 R MF H 10K F 0W4 E2
 10 1548 R.80 R MF H 10K F 0W4 E2
 10 1548 R.81 R MF H 10K F 0W4 E2
 10 1548 R.82 R MF H 10K F 0W4 E2
 10 15231 R.83 R MF H 75E F 0W4 E2
 10 1548 R.84 R MF H 10K F 0W4 E2
 10 1512 R.85 R MF H 10E F 0W4 E2
 10 1548 R.86 R MF H 10K F 0W4 E2
 10 1548 R.87 R MF H 10K F 0W4 E2
 10 1548 R.88 R MF H 10K F 0W4 E2
 10 15231 R.89 R MF H 75E F 0W4 E2
 10 1548 R.90 R MF H 10K F 0W4 E2
 10 15231 R.91 R MF H 75E F 0W4 E2
 10 15331 R.92 R MF H510E F 0W4 E2
 10 1548 R.93 R MF H 10K F 0W4 E2
 10 1548 R.94 R MF H 10K F 0W4 E2
 10 1548 R.95 R MF H 10K F 0W4 E2
 10 1534 R.96 R MF H680E F 0W4 E2
 10 1512 R.97 R MF H 10E F 0W4 E2
 10 1548 R.98 R MF H 10K F 0W4 E2
 10 1548 R.99 R MF H 10K F 0W4 E2
 10 1548 R100 R MF H 10K F 0W4 E2
 10 1548 R101 R MF H 10K F 0W4 E2
 10 1512 R102 R MF H 10E F 0W4 E2
 10 1524 R103 R MF H100E F 0W4 E2
 10 1524 R104 R MF H100E F 0W4 E2
 10 1524 R105 R MF H100E F 0W4 E2
 10 1533 R106 R MF H560E F 0W4 E2
 10 1531 R107 R MF H390E F 0W4 E2
 10 1548 R108 R MF H 10K F 0W4 E2
 10 1536 R109 R MF H 1K F 0W4 E2
 10 1524 R110 R MF H100E F 0W4 E2
 10 1533 R111 R MF H560E F 0W4 E2
 10 1531 R112 R MF H390E F 0W4 E2
 10 1533 R113 R MF H560E F 0W4 E2
 10 1524 R114 R MF H100E F 0W4 E2
 10 1531 R115 R MF H390E F 0W4 E2
 10 1536 R116 R MF H 1K F 0W4 E2
 10 1524 R117 R MF H100E F 0W4 E2
 10 1550 R118 R MF H 15K F 0W4 E2

10 1550 R119 R MF H 15K F 0W4 E2
 10 1572 R120 R MF H 1M F 0W4 E2
 10 1572 R121 R MF H 1M F 0W4 E2
 10 1552 R122 R MF H 22K F 0W4 E2
 10 1552 R123 R MF H 22K F 0W4 E2
 10 1541 R124 R MF H 2K7 F 0W4 E2
 10 1541 R125 R MF H 2K7 F 0W4 E2
 10 1540 R126 R MF H 2K2 F 0W4 E2
 10 1540 R127 R MF H 2K2 F 0W4 E2
 10 1512 R128 R MF H 10E F 0W4 E2
 10 1512 R129 R MF H 10E F 0W4 E2
 10 1528 R130 R MF H220E F 0W4 E2
 10 1512 R131 R MF H 10E F 0W4 E2
 10 1528 R132 R MF H220E F 0W4 E2
 10 1512 R133 R MF H 10E F 0W4 E2
 10 1542 R134 R MF H 3K3 F 0W4 E2
 10 1542 R135 R MF H 3K3 F 0W4 E2
 10 1542 R136 R MF H 3K3 F 0W4 E2
 10 1542 R137 R MF H 3K3 F 0W4 E2
 10 1548 R138 R MF H 10K F 0W4 E2
 10 1543 R139 R MF H 3K9 F 0W4 E2
 10 1549 R140 R MF H 12K F 0W4 E2
 10 1542 R141 R MF H 3K3 F 0W4 E2
 10 1549 R142 R MF H 12K F 0W4 E2
 10 1548 R143 R MF H 10K F 0W4 E2
 10 1528 R144 R MF H220E F 0W4 E2
 10 1519 R145 R MF H 39E F 0W4 E2
 10 1530 R146 R MF H330E F 0W4 E2
 10 1525 R147 R MF H120E F 0W4 E2
 10 1528 R148 R MF H220E F 0W4 E2
 10 1549 R149 R MF H 12K F 0W4 E2
 10 1528 R150 R MF H220E F 0W4 E2
 10 1549 R151 R MF H 12K F 0W4 E2
 10 1543 R152 R MF H 3K9 F 0W4 E2
 10 1542 R153 R MF H 3K3 F 0W4 E2
 10 1532 R154 R MF H470E F 0W4 E2
 10 1546 R155 R MF H 6K8 F 0W4 E2
 10 1552 R156 R MF H 22K F 0W4 E2
 10 1552 R157 R MF H 22K F 0W4 E2
 10 1520 R159 R MF H 47E F 0W4 E2
 10 1520 R160 R MF H 47E F 0W4 E2
 10 1528 R161 R MF H220E F 0W4 E2
 10 1565 R162 R MF H270K F 0W4 E2
 10 1552 R163 R MF H 22K F 0W4 E2
 10 1565 R164 R MF H270K F 0W4 E2
 10 1552 R165 R MF H 22K F 0W4 E2
 10 1528 R167 R MF H220E F 0W4 E2
 10 1552 R168 R MF H 22K F 0W4 E2
 10 1552 R169 R MF H 22K F 0W4 E2
 10 1528 R170 R MF H220E F 0W4 E2
 10 1544 R171 R MF H 4K7 F 0W4 E2
 10 1536 R172 R MF H 1K F 0W4 E2
 10 1528 R173 R MF H220E F 0W4 E2
 10 1536 R174 R MF H 1K F 0W4 E2
 10 1546 R175 R MF H 6K8 F 0W4 E2
 10 1548 R176 R MF H 10K F 0W4 E2
 10 1546 R177 R MF H 6K8 F 0W4 E2
 10 1538 R178 R MF H 1K5 F 0W4 E2
 10 1547 R179 R MF H 8K2 F 0W4 E2
 10 1567 R180 R MF H390K F 0W4 E2
 10 1547 R181 R MF H 8K2 F 0W4 E2
 10 1544 R182 R MF H 4K7 F 0W4 E2
 10 1552 R183 R MF H 22K F 0W4 E2
 10 1567 R184 R MF H390K F 0W4 E2
 10 1552 R185 R MF H 22K F 0W4 E2
 10 1540 R186 R MF H 2K2 F 0W4 E2
 10 1538 R190 R MF H 1K5 F 0W4 E2
 10 1538 R191 R MF H 1K5 F 0W4 E2

10 1538 R192 R MFH 1K5 F0W4 E2

10 01129 SR.1 R CFFV 10E J 0W25 E2
 10 01129 SR.2 R CFFV 10E J 0W25 E2
 10 01129 SR.3 R CFFV 10E J 0W25 E2
 10 01129 SR.4 R CFFV 10E J 0W25 E2
 10 01129 SR.5 R CFFV 10E J 0W25 E2
 10 01129 SR.6 R CFFV 10E J 0W25 E2
 10 01129 SR.7 R CFFV 10E J 0W25 E2
 10 01129 SR.8 R CFFV 10E J 0W25 E2
 10 01129 SR.9 R CFFV 10E J 0W25 E2
 10 01129 SR10 R CFFV 10E J 0W25 E2
 10 01129 SR11 R CFFV 10E J 0W25 E2
 10 01129 SR12 R CFFV 10E J 0W25 E2
 10 01129 SR13 R CFFV 10E J 0W25 E2
 10 01129 SR14 R CFFV 10E J 0W25 E2
 10 01129 SR15 R CFFV 10E J 0W25 E2
 10 01129 SR16 R CFFV 10E J 0W25 E2
 10 01129 SR17 R CFFV 10E J 0W25 E2
 10 01129 SR18 R CFFV 10E J 0W25 E2

10 01129 SR19 R CFFV 10E J 0W25 E2
 10 01129 SR20 R CFFV 10E J 0W25 E2
 10 01289 SR21 R CFFV220E J 0W25 E2 SKS2
 10 01289 SR22 R CFFV220E J 0W25 E2 SKS2
 10 01129 SR23 R CFFV 10E J 0W25 E2
 10 01129 SR24 R CFFV 10E J 0W25 E2
 10 01129 SR24 R CFFV 10E J 0W25 E2
 10 01129 SR25 R CFFV 10E J 0W25 E2
 10 01129 SR28 R CFFV 10E J 0W25 E2
 10 01129 SR29 R CFFV 10E J 0W25 E2
 10 01129 SR30 R CFFV 10E J 0W25 E2
 10 01129 SR31 R CFFV 10E J 0W25 E2

13 1716 Z..1 D ZEN 5V1 0W5 C DO35

Spare parts 76 1876

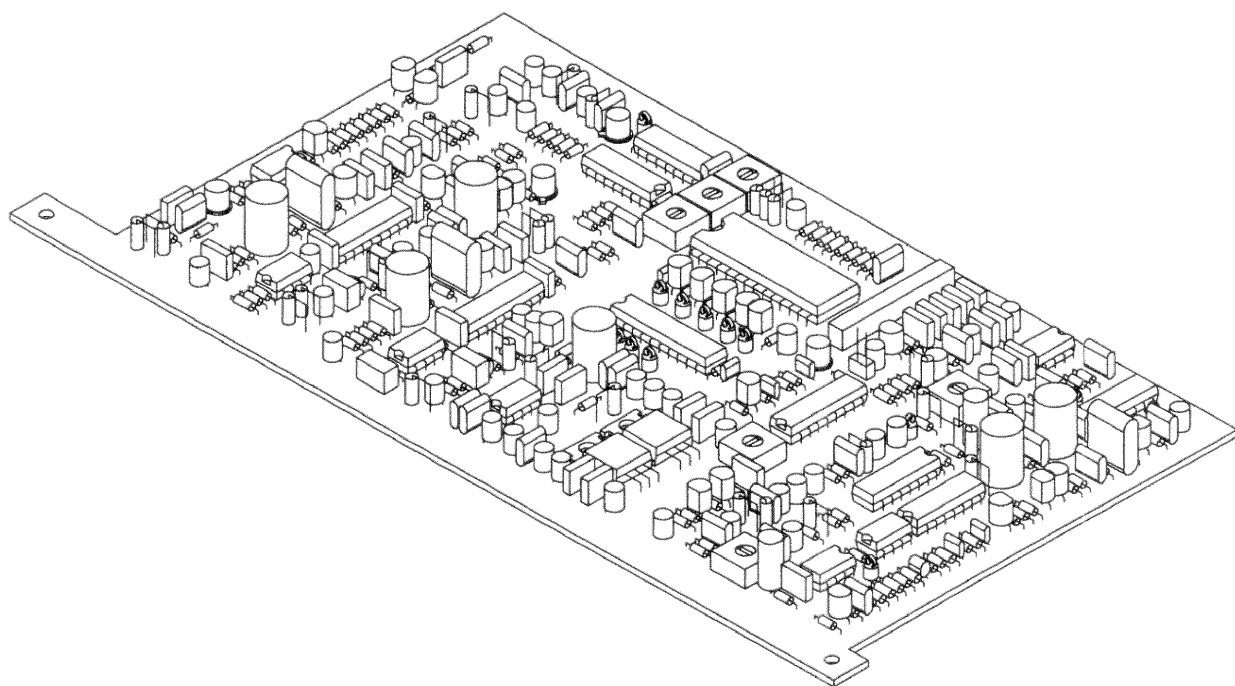
ART NO.	DESCRIPTION	QUANTITY	ART NO.	DESCRIPTION	QUANTITY
10 01129	R CFFV 10E J 0W25 E2	28			
10 01289	R CFFV220E J 0W25 E2 SKS2	2	31 3276	J MD1 MBT P10 R1SN	3
10 6725	R TCE H500E K 0W5 S10TS3386P	3	31 33921	J MD JMP P 1 E1SN	3
10 6727	R TCE H 2K K 0W5 S10TS3386P	2	31 3531	J EUR2C MBS P64 E1 C2S P	1
10 6729	R TCE H 10K K 0W5 S10TS3386P	1	31 3729	J PIN MBT D 2 TESTEYE	19
10 6730	R TCE H 20K K 0W5 S10TS3386P	1	31 3923	J CT MBT P 3 M2SN	2
10 7004	R TCE H200E M 0W5 S7 TS3362P	2	31 3924	J CT MBT P 4 M2SN	1
			31 3927	J CT MBT P 7 M2SN	2
13 14181	Q BC559B P SS TO92 030A1	2	31 3930	J CT MBT P10 M2SN	1
13 14295	Q BC549B N SS TO92 030A1	1	31 3935	J CT MBT P15 M2SN	1
13 1491	Q BSX20 .2369 N SS TO18 015A2	6			
13 1621	D S 1N4148 075150 DO35	9	36 20167	SCR D84 M 2.5X 16 SI	2
13 16361	D Y BAT85 030200 DO35	1	36 20216	SCR D84 M 3 X 6 SI	2
13 1716	D ZEN 5V1 0W5 C DO35	1	36 20226	SCR D84 M 3 X 8 SI	1
13 2826	U 1203 LM DIP28 PRGB	1	36 61026	NUT D934 M 3 I	3
13 2833	U 76013 SC DIP28 PD_POT	2	36 61106	NUT D934 M 2.5 I	2
13 2910	Q BS170 FN SS TO92 060A5	1	36 74391	RVT POP D3.2 L 7.4 P ASW	2
13 2911	Q 2N5583 P SS TO39 030A5	3	36 7502	WSHR D6798 A 3.2 S Z	3
13 30291	Q ACC ISO MICA TO220	1	36 7528	WSHR D6798 A 2.7 S Z	2
13 30292	Q ACC ISO BSHG TO220	1	36 7699	RVT CHB D2.38L6.35 P A	1
13 4001	U 7805 TO220 PSTAB	1			
13 4002	U 7812 TO220 PSTAB	1	78 0226	PCD PJ49 CTRS_MOD	1
13 4016	U 7912 TO220 PSTAB	1			
13 4028	U 317LZ TO92 PSTAB	1	80 1602	X ACC INSUL STRIP PCM5	3
13 4029	U 337LZ TO92 PSTAB	1	80 2629	HTSNK PJ49 RGB PR_AMP 03	1
13 4113	U 084 TL DIP14 POPAMP	1	80 2692	HTSNK PJ49 FIX HTSNK	2
13 4124	U 082 TL DIP8 POPAMP	2			
13 4125	U 34084 DIP14 POPAMP	3			
13 4221	U 592 NE DIL14 PVID_A	3			
13 4222	U 1495 MC DIL14 P	5			



BARCO Projection Systems

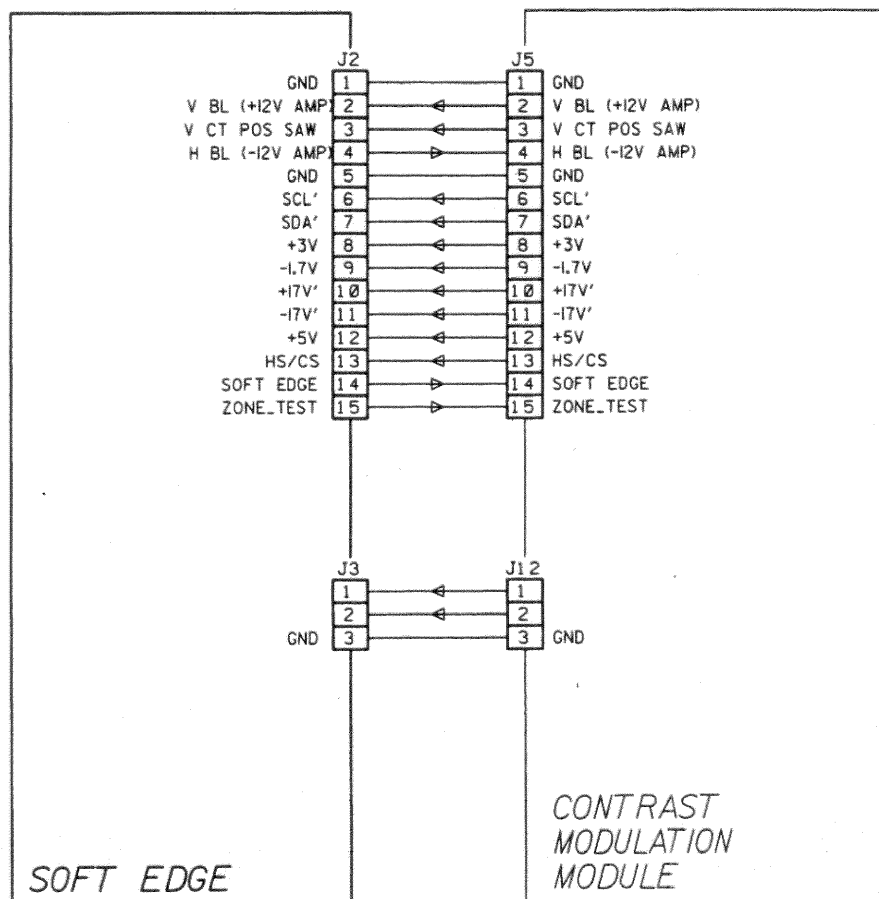
SECTION **Z**

service sheet

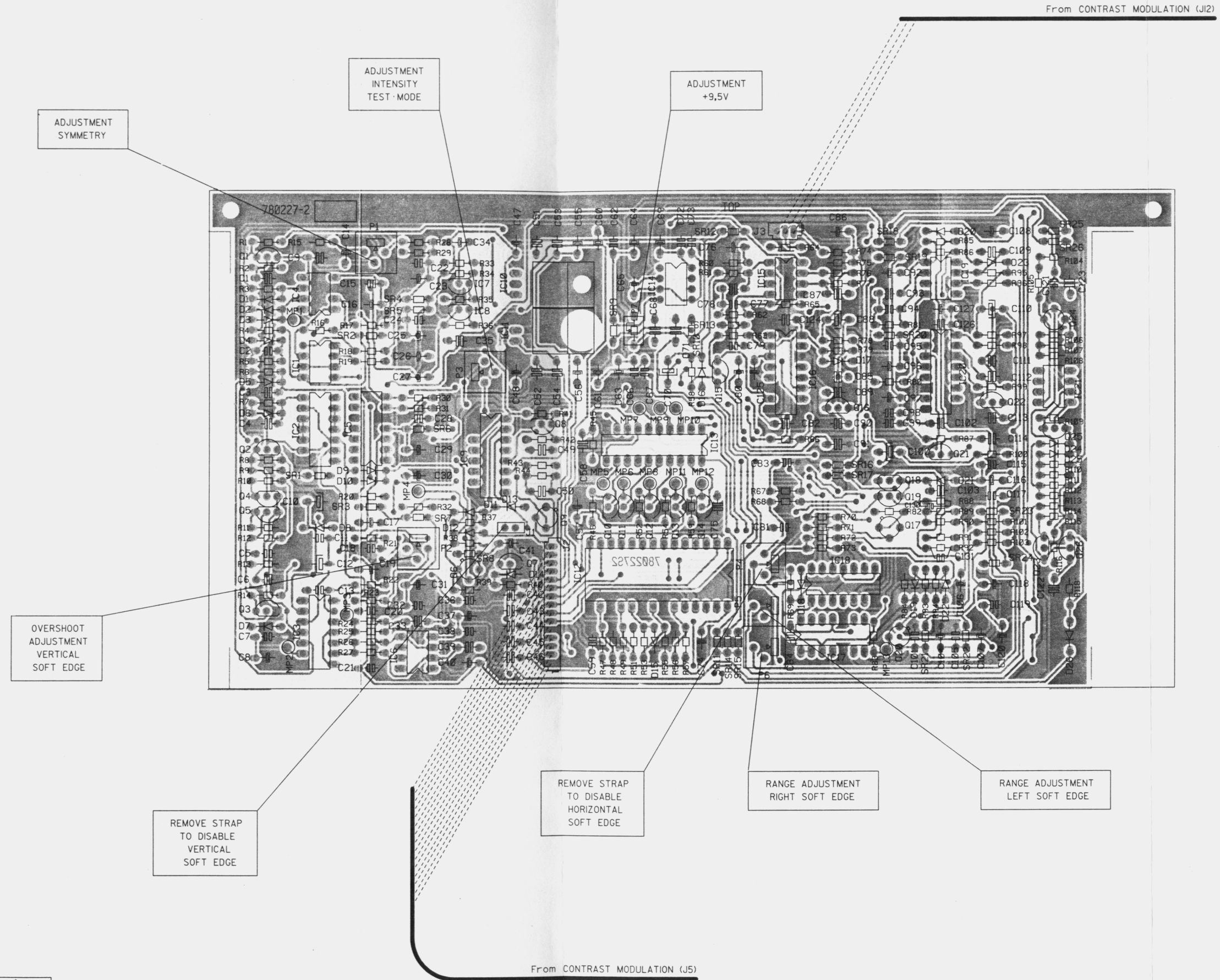


Installation guidelines: refer to service sheet 59 75545

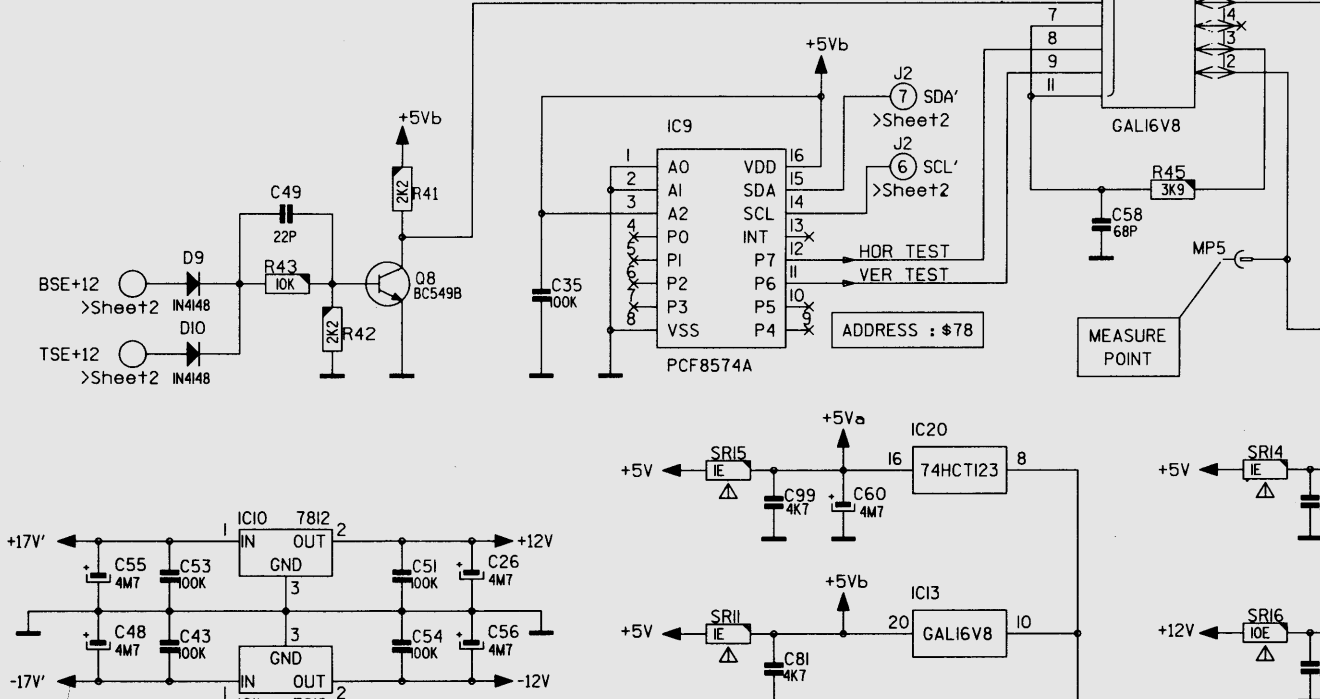
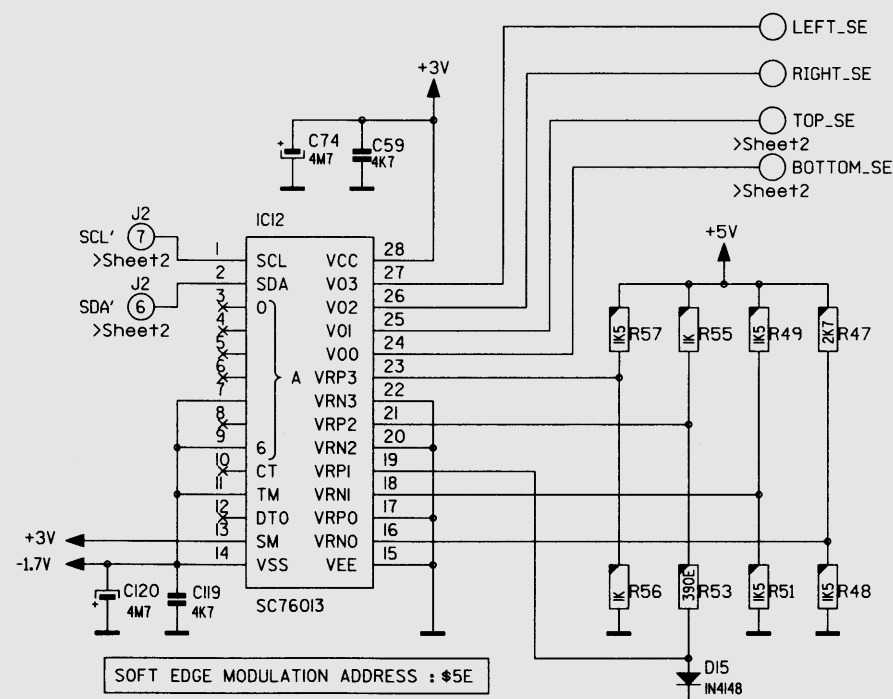
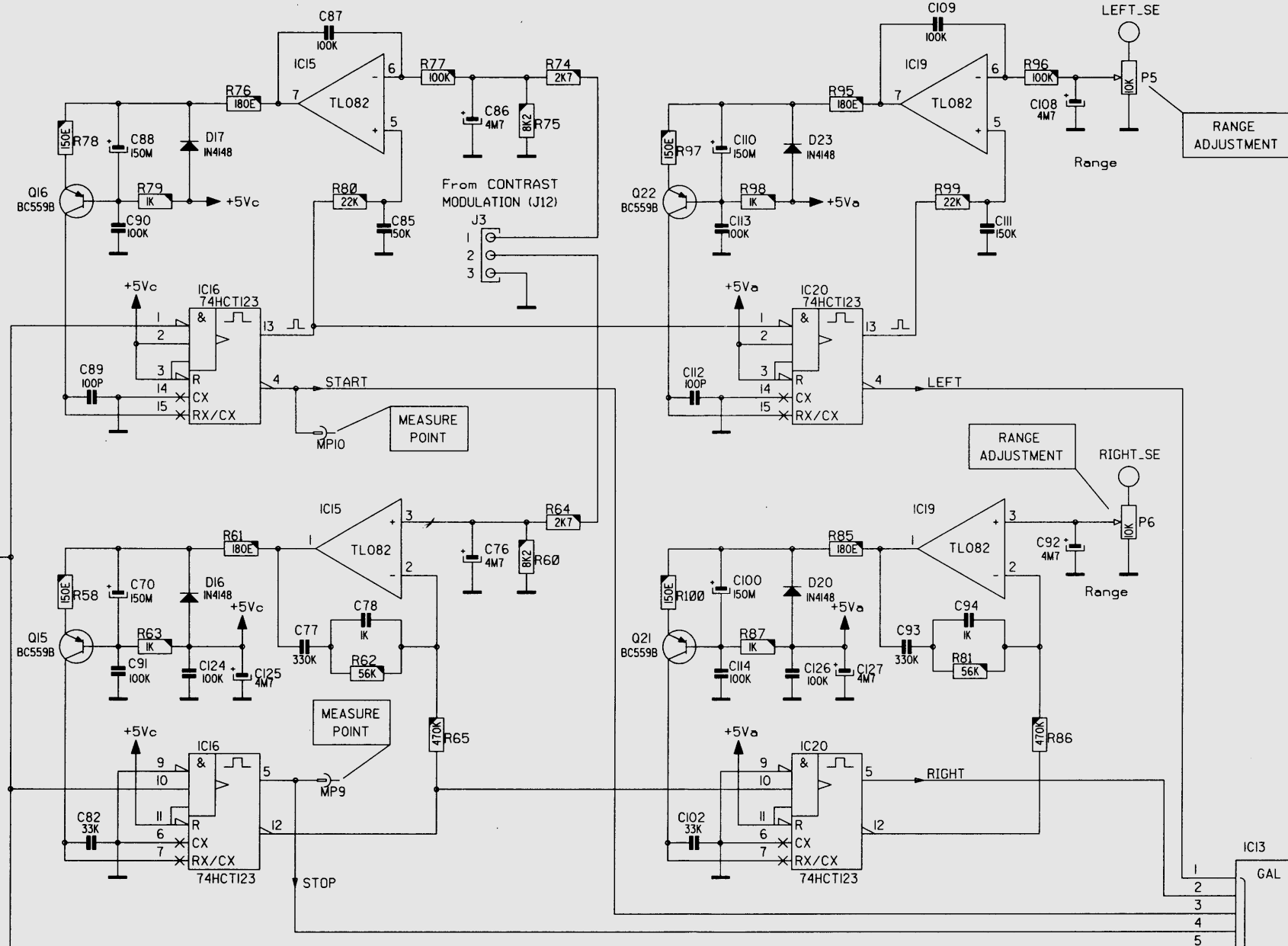
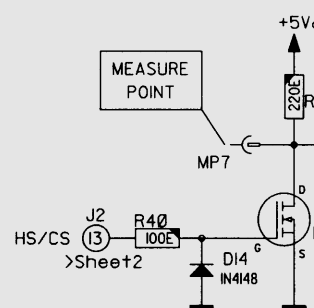
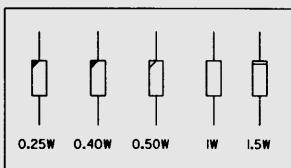
1200 series

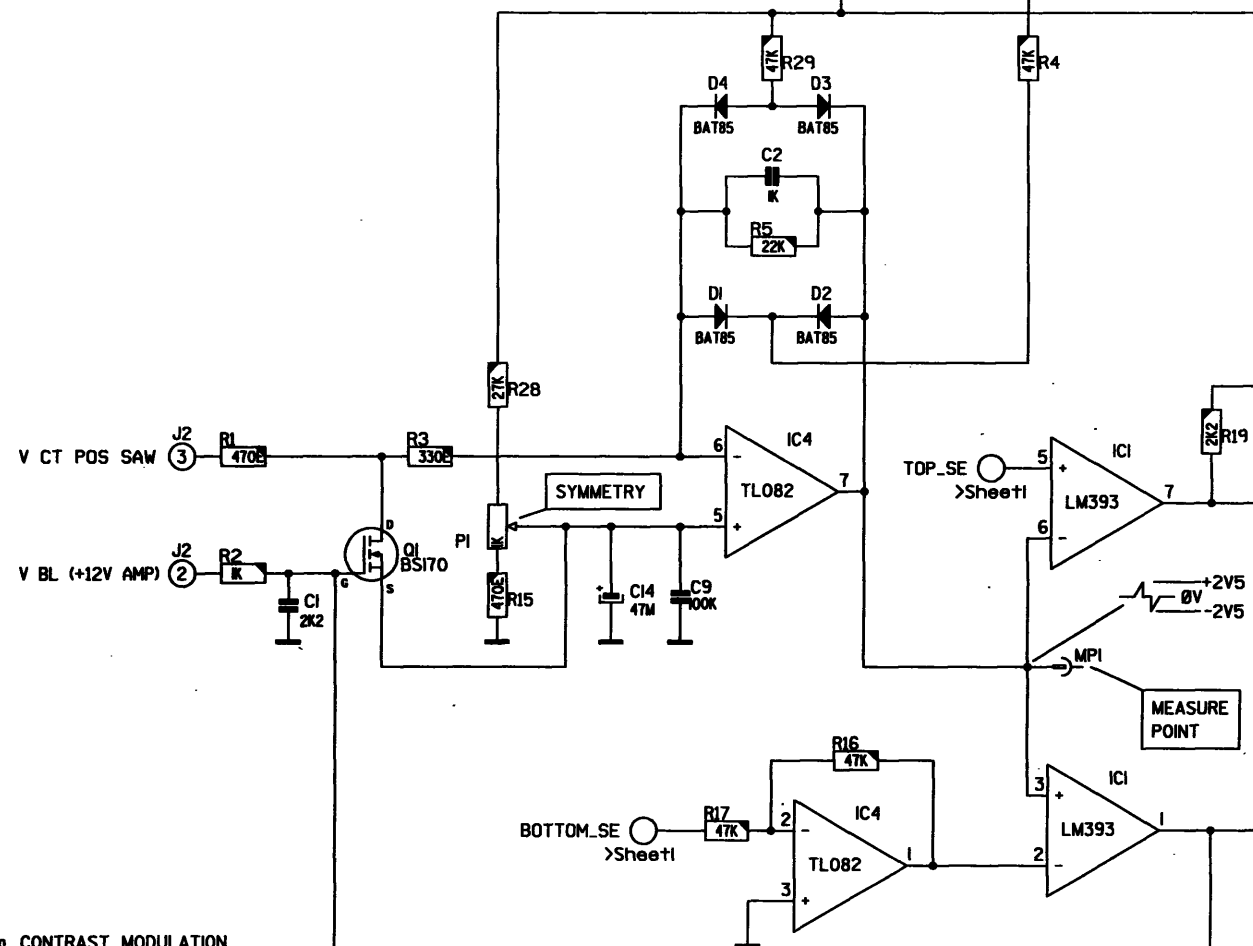
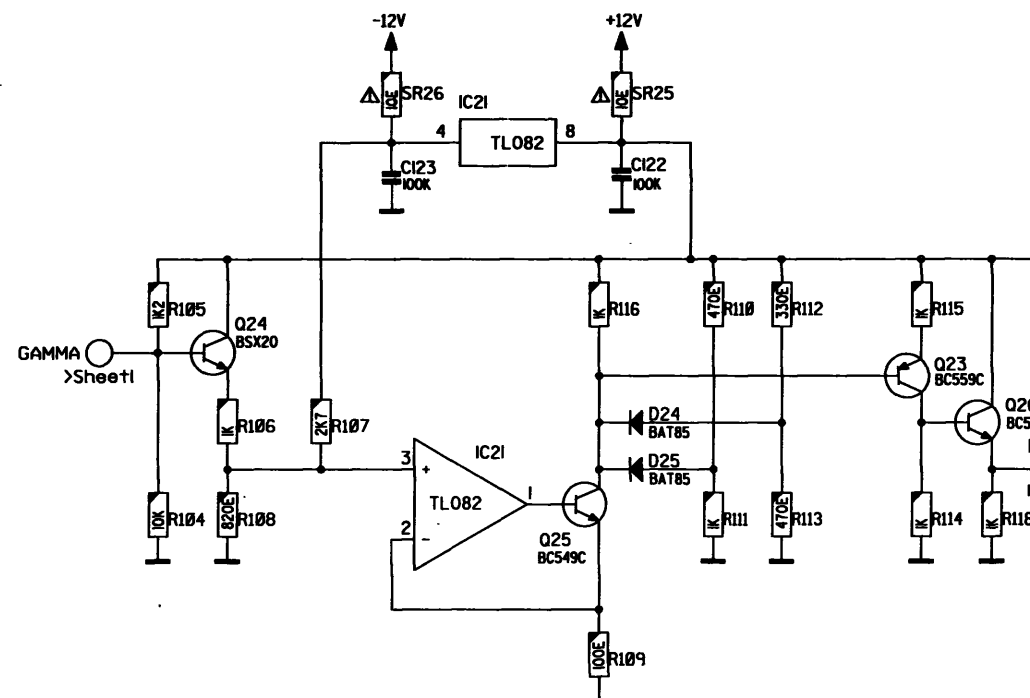
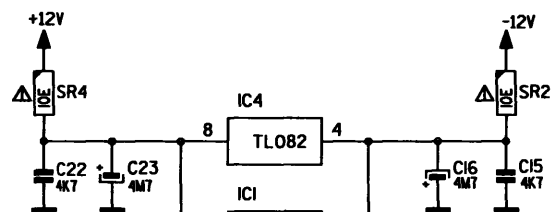
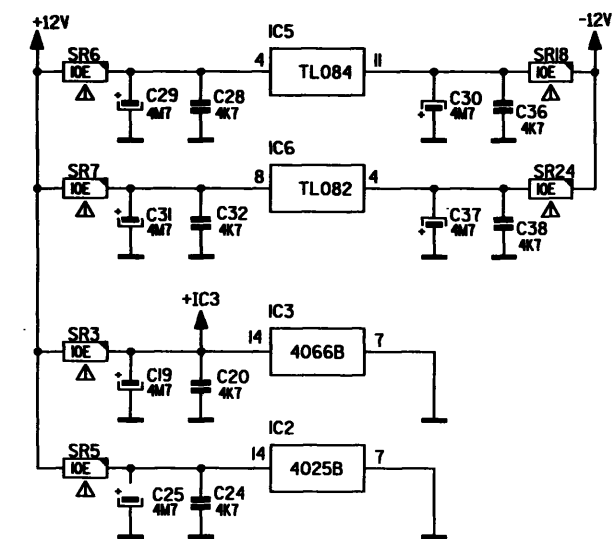


COMP. LOC.		COMP. LOC.		COMP. LOC.	
C1	B 2	D4	B 3	R35	D 3
C2	B 3	D5	B 3	R36	D 3
C3	B 3	D6	B 3	R37	D 4
C4	B 3	D7	B 4	R38	D 4
C5	B 4	D8	C 4	R39	D 4
C6	B 4	D9	C 3	R40	D 4
C7	B 4	D10	C 3	R41	D 3
C8	B 4	D11	D 4	R42	D 3
C9	C 2	D12	D 4	R43	D 3
C10	C 4	D13	D 4	R44	D 3
C11	C 4	D14	D 4	R45	D 3
C12	C 4	D15	E 5	R46	D 4
C13	C 4	D16	E 3	R47	D 5
C14	C 2	D17	F 3	R48	D 5
C15	C 2	D18	E 4	R49	D 5
C16	C 3	D19	F 4	R51	E 5
C17	C 4	D20	F 2	R52	E 4
C18	C 4	D21	F 3	R53	E 5
C19	C 4	D22	F 4	R54	E 4
C20	C 4	D23	F 2	R55	E 5
C21	C 4	D24	G 3	R56	E 5
C22	C 2	D25	G 3	R57	E 5
C23	C 2	D26	G 5	R58	E 3
C24	C 3			R59	E 4
C25	C 3	IC1	C 3	R60	E 2
C26	C 3	IC2	C 3	R61	E 2
C27	C 3	IC3	C 4	R62	E 3
C28	C 3	IC4	C 3	R63	E 3
C29	C 3	IC5	C 3	R64	E 2
C30	C 3	IC6	C 4	R65	E 3
C31	C 4	IC7	D 2	R66	E 3
C32	C 4	IC8	D 3	R67	E 4
C33	C 4	IC9	D 3	R68	E 4
C34	D 2	IC10	D 2	R69	E 4
C35	D 3	IC11	D 3	R70	F 4
C36	D 4	IC12	D 4	R71	F 4
C37	D 4	IC13	E 3	R72	F 4
C38	D 4	IC14	E 2	R73	F 4
C39	D 4	IC15	E 2	R74	F 2
C40	D 4	IC16	E 3	R75	F 2
C41	D 4	IC17	F 4	R76	F 2
C42	D 4	IC18	F 4	R77	F 2
C43	D 4	IC19	F 2	R78	F 3
C44	D 4	IC20	F 3	R79	F 3
C45	D 4	IC21	G 3	R80	F 3
C46	D 4			R81	F 3
C47	D 2	J1	D 4	R82	F 4
C48	D 3	J2	D 4	R83	F 4
C49	D 3	J3	E 2	R84	F 4
C50	D 4			R85	F 2
C51	D 2	MP1	C 3	R86	F 2
C52	D 3	MP2	C 5	R87	F 3
C53	D 2	MP3	C 4	R88	F 4
C54	D 3	MP4	C 4	R89	F 4
C55	D 2	MP5	D 3	R90	F 4
C56	D 3	MP6	D 3	R91	F 4
C57	D 4	MP7	D 3	R92	F 4
C58	D 3	MP8	E 3	R93	F 4
C59	D 5	MP9	E 3	R94	F 4
C60	D 2	MP10	E 3	R95	F 2
C61	D 3	MP11	E 3	R96	F 2
C62	D 2	MP12	E 3	R97	F 3
C63	D 3	MP13	F 5	R98	F 3
C64	E 2			R99	F 3
C65	D 2	P1	C 2	R100	F 3
C66	E 3	P2	D 4	R101	F 4
C67	E 3	P3	D 3	R102	F 4
C68	E 3	P4	E 4	R103	F 4
C69	E 2	P5	E 4	R104	G 2
C70	E 3	P6	E 5	R105	G 2
C71	E 3	P7	E 3	R106	G 3
C72	E 2			R107	G 3
C73	E 2	Q1	B 2	R108	G 3
C74	E 5	Q2	B 3	R109	G 3
C75	E 4	Q3	B 4	R110	G 3
C76	E 2	Q4	B 4	R111	G 3
C77	E 3	Q5	B 4	R112	G 4
C78	E 3	Q6	D 4	R113	G 4
C79	E 3	Q7	D 4	R114	G 4
C80	E 3	Q8	D 3	R115	G 4
C81	E 4	Q9	D 4	R116	G 4
C82	E 3	Q10	D 4	R118	G 4
C83	E 3	Q11	D 4		
C84	E 4	Q12	E 4	SR1	C 3
C85	F 3	Q13	E 4	SR2	C 3
C86	F 2	Q14	E 4	SR3	C 4
C87	E 2	Q15	E 3	SR4	C 3
C88	F 3	Q16	F 3	SR5	C 3
C89	F 3	Q17	F 4	SR6	C 3
C90	F 3	Q18	F 3	SR7	C 4
C91	F 3	Q19	F 4	SR8	D 4
C92	F 2	Q20	F 4	SR9	D 3
C93	F 2	Q21	F 3	SR10	E 3
C94	F 3	Q22	F 3	SR11	E 5
C95	F 3	Q23	G 4	SR12	E 2
C96	F 3	Q24	G 3	SR13	E 3
C97	F 3	Q25	G 3	SR14	E 5
C98	F 3	Q26	G 4	SR15	E 5
C99	F 3			SR16	F 3
C100	F 3	R1	B 2	SR17	F 3
C101	F 4	R2	B 2	SR18	F 2
C102	F 3	R3	B 2	SR19	F 2
C103	F 4	R4	B 3	SR20	F 3
C104	F 4	R5	B 3	SR21	F 5
C105	F 4	R6	B 3	SR22	F 4
C106	F 4	R7	B 3	SR23	F 4
C107	F 4	R8	B 3	SR24	F 4
C108	F 2	R9	B 3	SR25	G 2
C109	F 2	R10	B 3	SR26	G 2
C110	F 3	R11	B 4		
C111	G 3	R12	B 4		
C112	F 3	R13	B 4		
C113	F 3	R14	B 4		
C114	F 3	R15	C 2		
C115	F 3	R16	C 3		
C116	F 3	R17	C 3		
C117	F 4	R18	C 3		
C118	F 4	R19	C 3		
C119	F 4	R20	C 4		
C120	F 4	R21	C 4		
C121	G 2	R22	C 4		
C122	G 4	R23	C 4		
C123	G 2	R24	C 4		
C124	E 3	R25	C 4		
C125	E 3	R26	C 4		
C126	F 3	R27	C 4		
C127	F 3	R28	D 2		
C130	F 4	R29	D 2		
C131	F 4	R30	D 3		
		R31	D 3		
D1	B 3	R32	D 4		
D2	B 3	R33	D 2		
D3	B 3	R34	D 2		



Name	SOFT EDGE	Article nr.	76 1876S-2
Date	14-09-1993	Drawn	JVDY
		Checked	SSG
BARCO PROJECTION SYSTEMS			





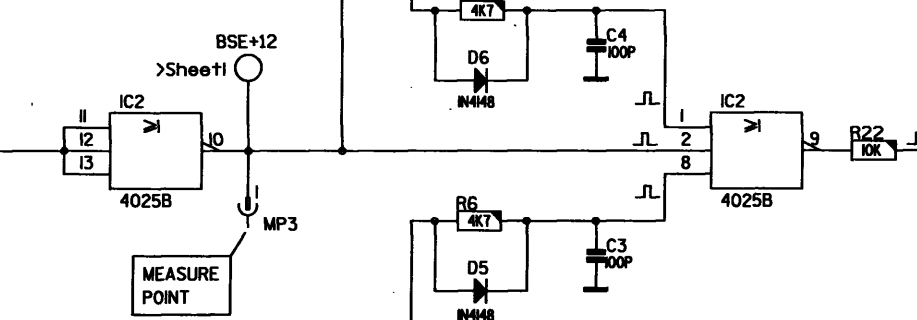
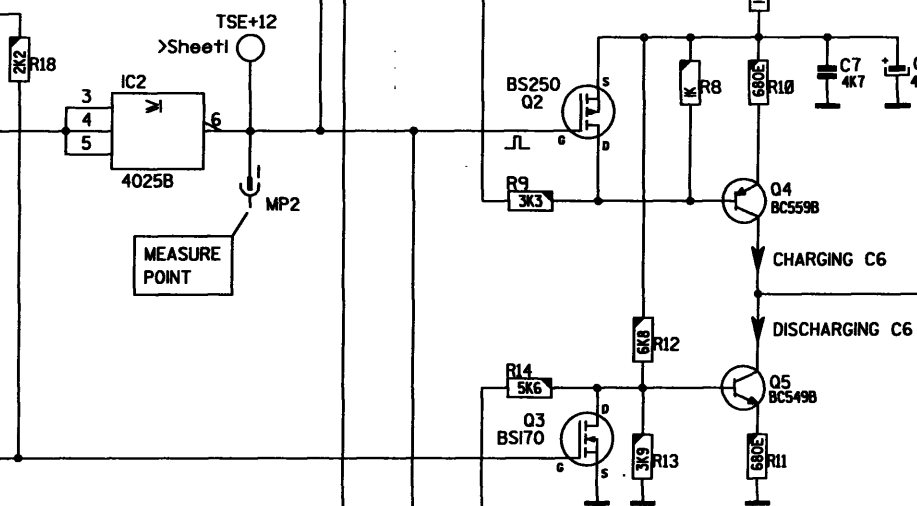
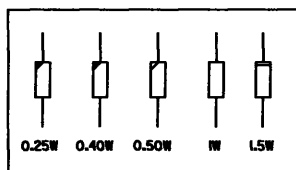
V CT POS SAW J2 R1 470K

V BL (+12V AMP) J2 R2 1K

From CONTRAST MODULATION
MODULE (J15)

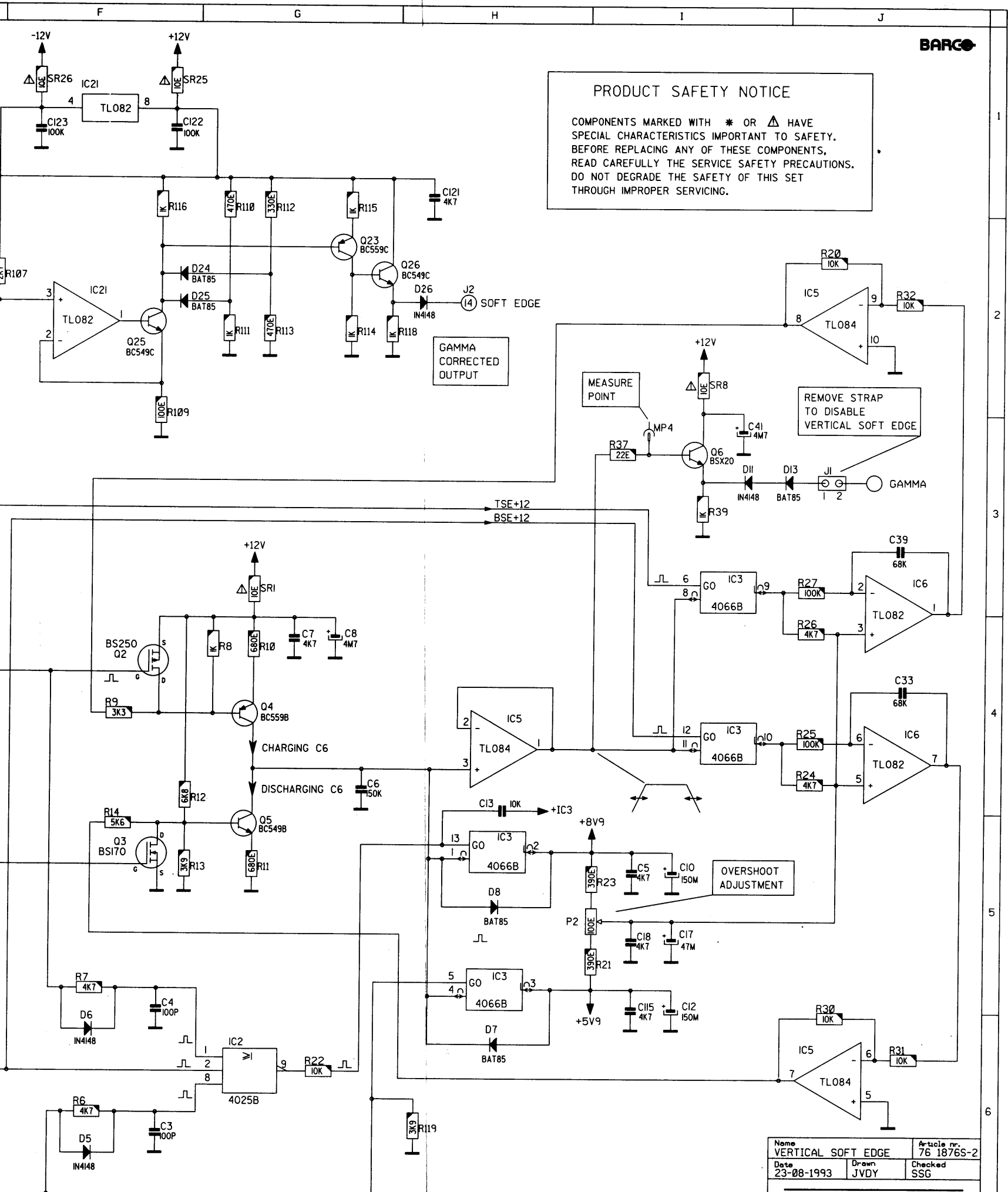
J2
1 GND
2 V BL (+12V AMP)
3 V CT POS SAW
4 H BL (-12V AMP)
5 GND
6 SCL'
7 SDA'
8 GND
9 +3V
10 -17V
11 +17V
12 +5V
13 HS/CS
14 SOFT EDGE
15 ZONE_TEST

C42 100K C52 100K C44 100K C45 100K C46 100K



PRODUCT SAFETY NOTICE

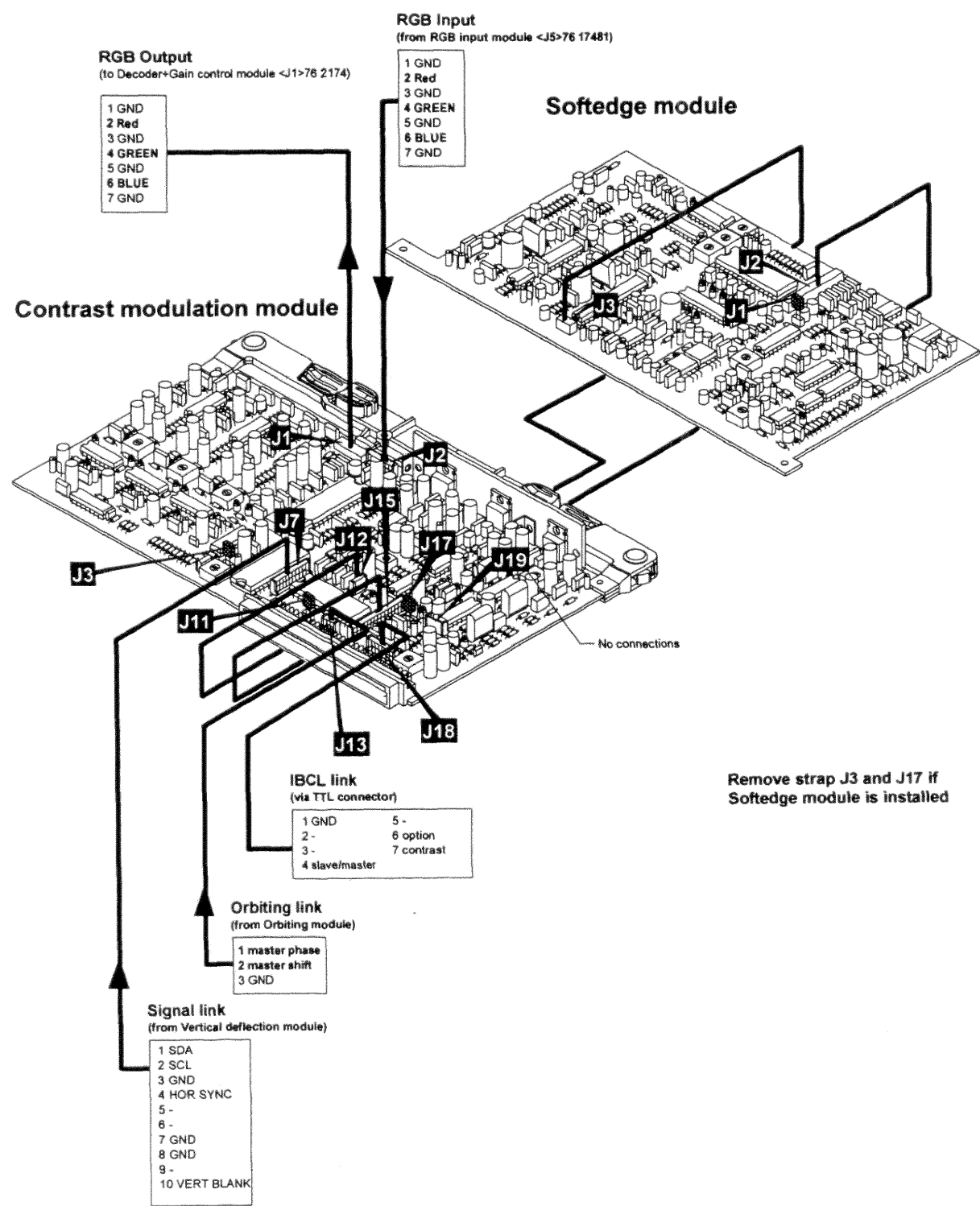
COMPONENTS MARKED WITH * OR Δ HAVE SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY. BEFORE REPLACING ANY OF THESE COMPONENTS, READ CAREFULLY THE SERVICE SAFETY PRECAUTIONS. DO NOT DEGRADE THE SAFETY OF THIS SET THROUGH IMPROPER SERVICING.



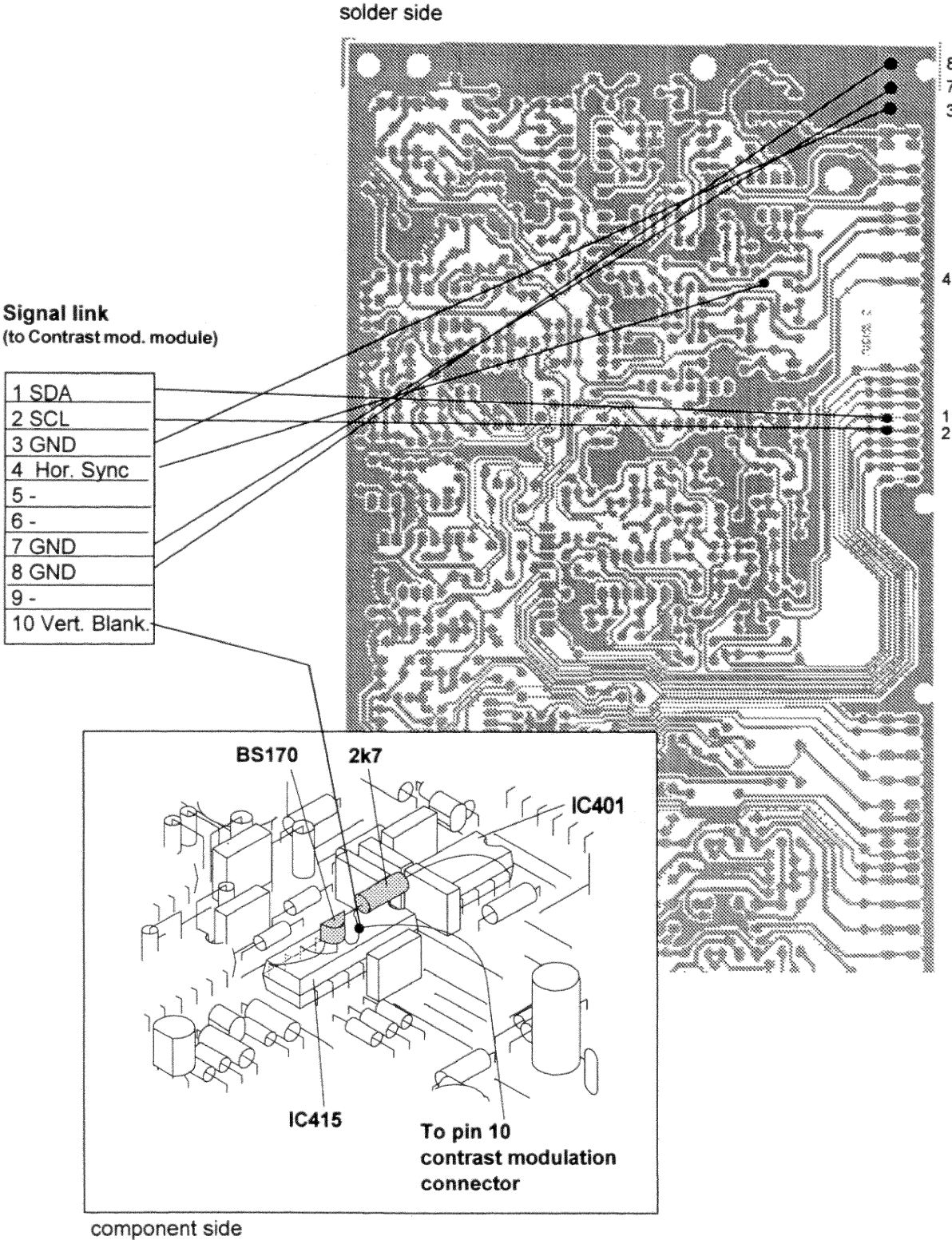
Name	VERTICAL SOFT EDGE	Article nr.	76 1876S-2
Date	23-08-1993	Drawn	JVDY
		Checked	SSG

BARCO PROJECTION SYSTEMS

Modifications reserved

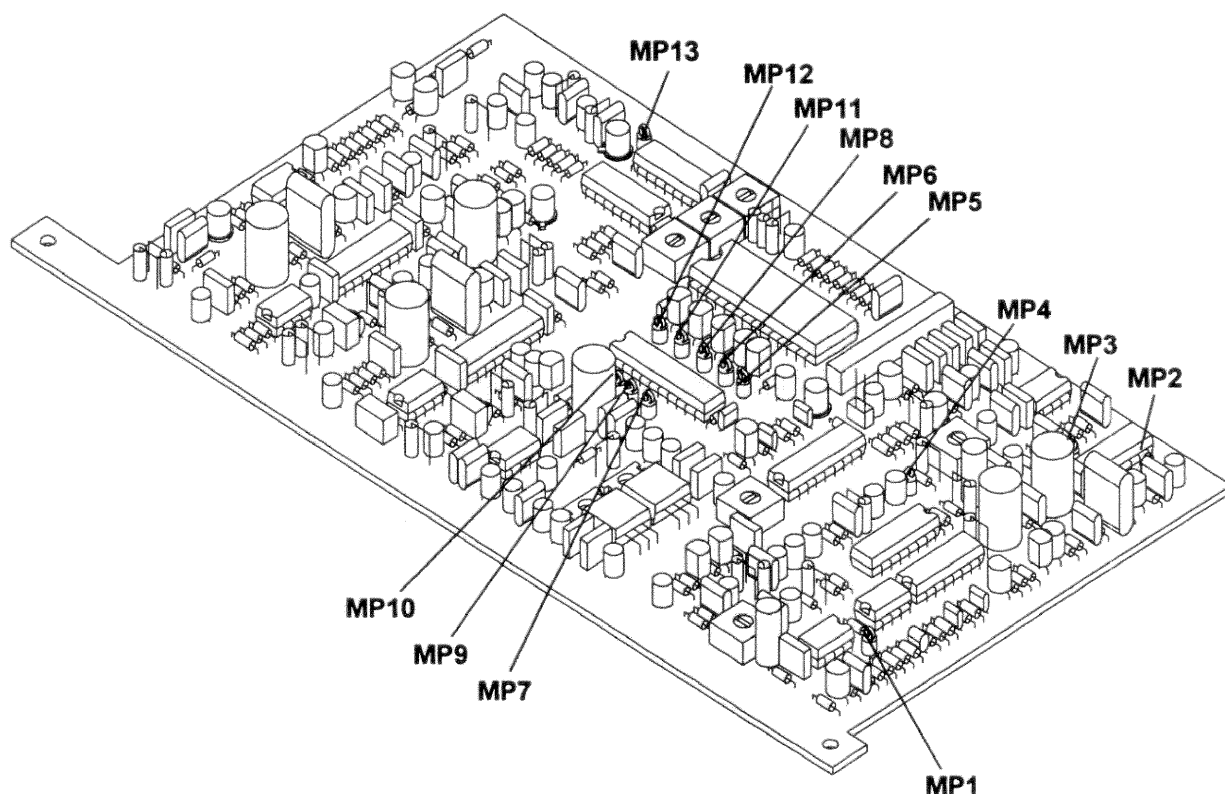


Interconnection Vert. Deflection module for 1200 series projectors/Contrast modulation module

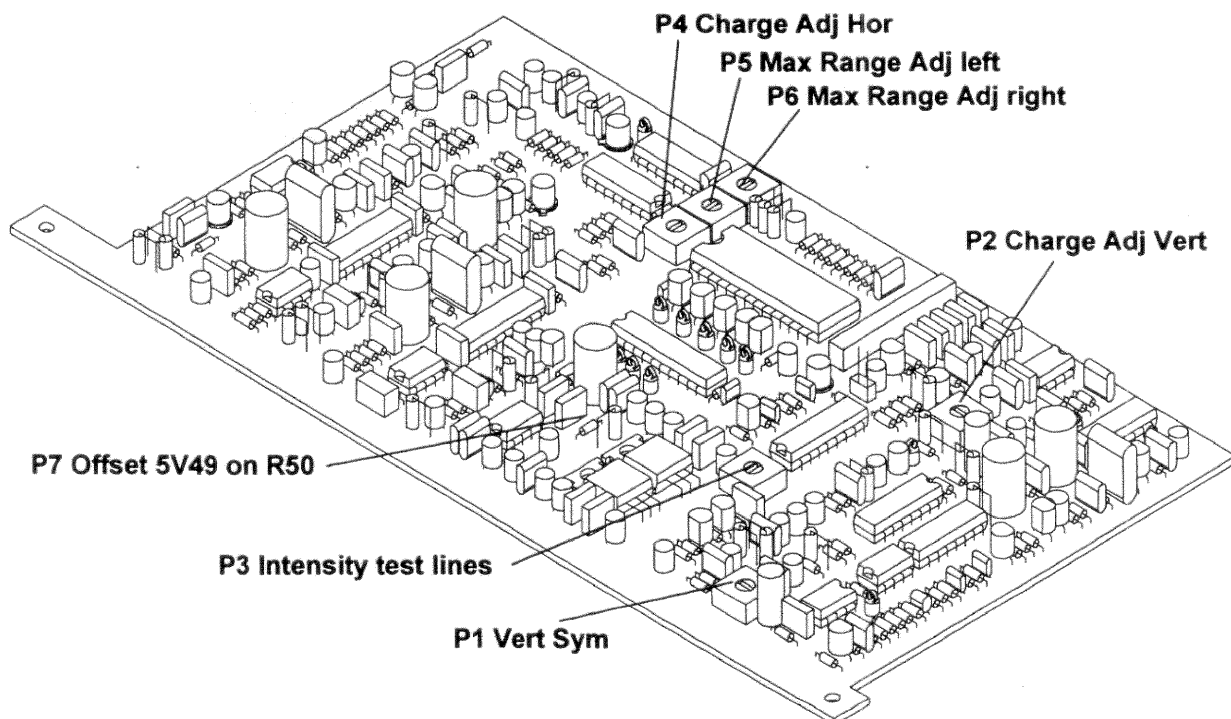


Adjustment procedure

Location of measure points (MP)



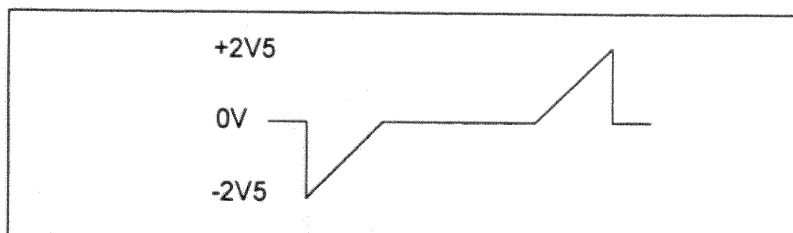
Location of adjustment points (P)



Recommended input signal of the projector : a complete white image with a horizontal frequency of 64 KHz.

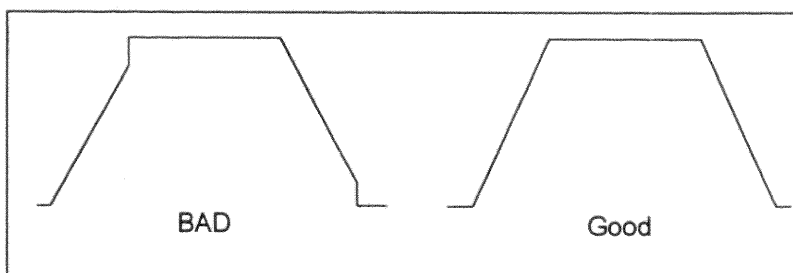
Symmetry adjustment of the vertical soft edge P1

Connect your oscilloscope to measurepoint 1.
Adjust P1 until a symmetrical output signal of $\pm 2.5V$ is achieved.



Adjusting P2 (Charge/ discharge of C6)

Connect the oscilloscope to MP4 (trigger base on vertical line rate)
Adjust the TOP and BOTTOM softedge to 95% of barscale.
Adjust P2 until a continuous ramp becomes visible.



Adjustment of test line intensity P3

Rotate P3 until the small arrow marks '8'

Remark: The intensity can be checked by putting all softedge adjustments on 50% barscale and selecting Hor/Vert testmode on.

Horizontal charge/discharge adjustment on P4

This adjustment is identical to P2 but for horizontal line rates.

Maximum left softedge range (P5)

Connect your oscilloscope to measure point MP6 and adjust P5 for a pulse of 1 usec.

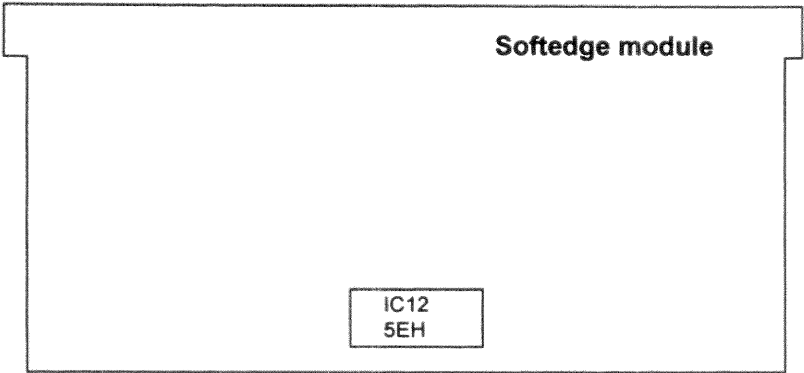
Maximum right softedge range (P6)

Connect your oscilloscope to measure point MP8 and adjust P6 for a pulse of 1 usec.

Offset adjustment by P7

Connect a Voltmeter to junction pin2 (Ic3) and R36. Adjust P7 until 5V49 is reached.

Extra I2C error codes:



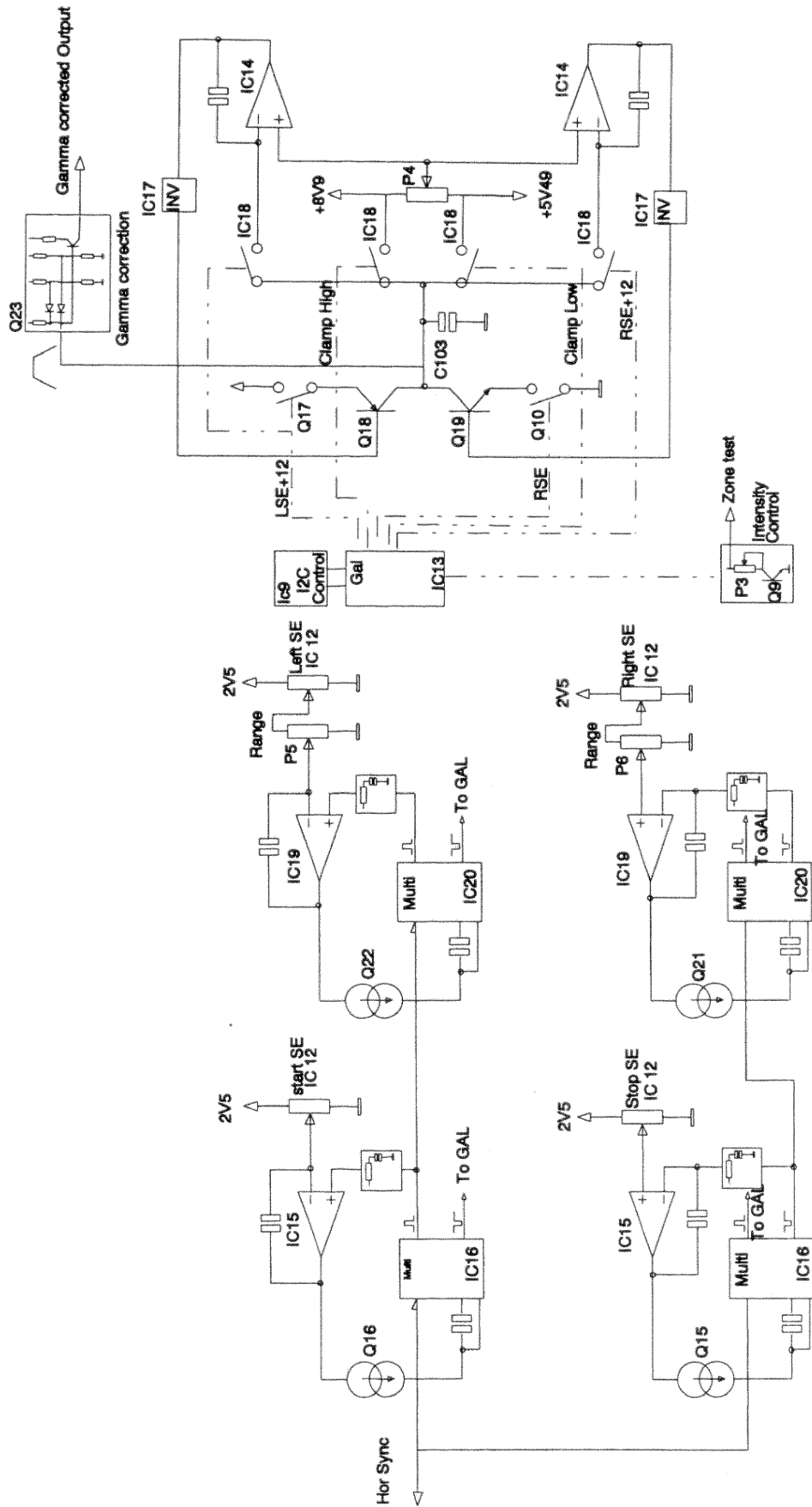
Softedge module

Hex	Ic number	adjustments
5EH	IC12	Bottom soft edge Top Right Left

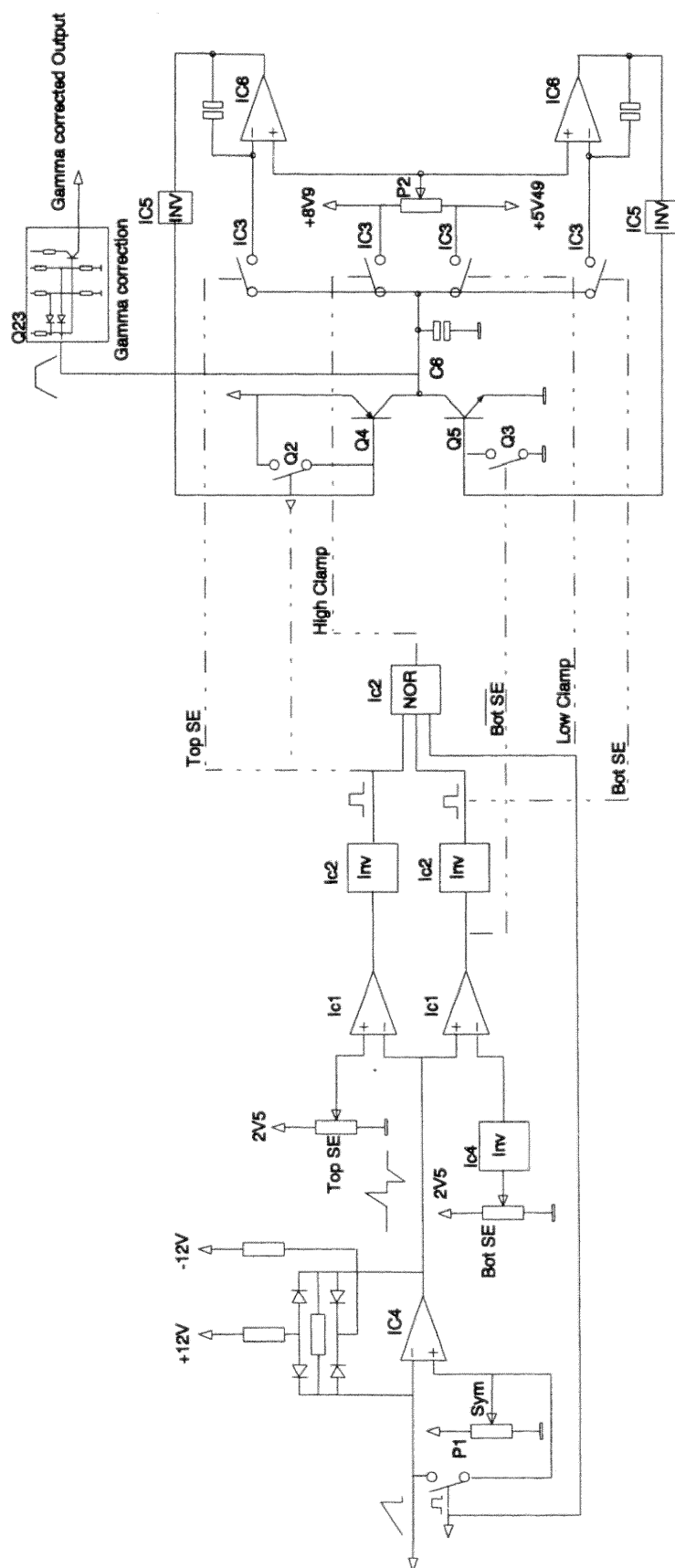
Contrast modulation module

Hex	Ic number	adjustments
60H	IC10	Left-Right R Horizontal G Horizontal B Horizontal
62H	IC14	Top-Bottom Vertical Stop soft edge Start

Horizontal Soft edge



Vertical Soft edge



Parts listing 76 1876S

ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 2743	C..1	C CE MI 2N2K 63E2	11 2747	C.66	C CE MI 4N7K 63E2
11 2739	C..2	C CE MI 1N K100E2	11 2747	C.67	C CE MI 4N7K 63E2
11 2242	C..3	C NPO MI 100P J 63E2	11 37121	C.68	C POMERA 10N K100E2 365
11 2242	C..4	C NPO MI 100P J 63E2	11 15915	C.69	C EL5 RA 4M7M 35E2 85
11 2747	C..5	C CE MI 4N7K 63E2	11 1515	C.70	C EL RA 150M M 16E2 85
11 3726	C..6	C POMERA 150N K 63E2	11 3724	C.71	C POMERA 100N K 63E2
11 2747	C..7	C CE MI 4N7K 63E2	11 2747	C.72	C CE MI 4N7K 63E2
11 15915	C..8	C EL5 RA 4M7M 35E2 85	11 2747	C.73	C CE MI 4N7K 63E2
11 3724	C..9	C POMERA 100N K 63E2	11 15915	C.74	C EL5 RA 4M7M 35E2 85
11 1515	C.10	C EL RA 150M M 16E2 85	11 22395	C.75	C NPO MI 56P G 63E2
11 2747	C.11	C CE MI 4N7K 63E2	11 15915	C.76	C EL5 RA 4M7M 35E2 85
11 1515	C.12	C EL RA 150M M 16E2 85	11 3730	C.77	C POMERA 330N K 63E2
11 2763	C.13	C CE MI 10N U 63E2	11 2739	C.78	C CE MI 1N K100E2
11 1500	C.14	C EL RA 47M M 10E2 85	11 2747	C.79	C CE MI 4N7K 63E2
11 2747	C.15	C CE MI 4N7K 63E2	11 15915	C.80	C EL5 RA 4M7M 35E2 85
11 15915	C.16	C EL5 RA 4M7M 35E2 85	11 2747	C.81	C CE MI 4N7K 63E2
11 1476	C.17	C EL RA 47M M 25E2 85	11 37181	C.82	C POMERA 33N K100E2
11 2747	C.18	C CE MI 4N7K 63E2	11 2747	C.83	C CE MI 4N7K 63E2
11 15915	C.19	C EL5 RA 4M7M 35E2 85	11 2747	C.84	C CE MI 4N7K 63E2
11 2747	C.20	C CE MI 4N7K 63E2	11 3726	C.85	C POMERA 150N K 63E2
11 2747	C.21	C CE MI 4N7K 63E2	11 15915	C.86	C EL5 RA 4M7M 35E2 85
11 2747	C.22	C CE MI 4N7K 63E2	11 3724	C.87	C POMERA 100N K 63E2
11 15915	C.23	C EL5 RA 4M7M 35E2 85	11 1515	C.88	C EL RA 150M M 16E2 85
11 2747	C.24	C CE MI 4N7K 63E2	11 2242	C.89	C NPO MI 100P J 63E2
11 15915	C.25	C EL5 RA 4M7M 35E2 85	11 3724	C.90	C POMERA 100N K 63E2
11 15915	C.26	C EL5 RA 4M7M 35E2 85	11 3724	C.91	C POMERA 100N K 63E2
11 15915	C.27	C EL5 RA 4M7M 35E2 85	11 15915	C.92	C EL5 RA 4M7M 35E2 85
11 2747	C.28	C CE MI 4N7K 63E2	11 3730	C.93	C POMERA 330N K 63E2
11 15915	C.29	C EL5 RA 4M7M 35E2 85	11 2739	C.94	C CE MI 1N K100E2
11 15915	C.30	C EL5 RA 4M7M 35E2 85	11 2747	C.95	C CE MI 4N7K 63E2
11 15915	C.31	C EL5 RA 4M7M 35E2 85	11 15915	C.96	C EL5 RA 4M7M 35E2 85
11 2747	C.32	C CE MI 4N7K 63E2	11 15915	C.97	C EL5 RA 4M7M 35E2 85
11 3722	C.33	C POMERA 68N K 63E2	11 2747	C.98	C CE MI 4N7K 63E2
11 15915	C.34	C EL5 RA 4M7M 35E2 85	11 2747	C.99	C CE MI 4N7K 63E2
11 3724	C.35	C POMERA 100N K 63E2	11 1515	C100	C EL RA 150M M 16E2 85
11 2747	C.36	C CE MI 4N7K 63E2	11 2747	C101	C CE MI 4N7K 63E2
11 15915	C.37	C EL5 RA 4M7M 35E2 85	11 37181	C102	C POMERA 33N K100E2
11 2747	C.38	C CE MI 4N7K 63E2	11 2238	C103	C NPO MI 47P G 63E2
11 3722	C.39	C POMERA 68N K 63E2	11 15915	C104	C EL5 RA 4M7M 35E2 85
11 15915	C.40	C EL5 RA 4M7M 35E2 85	11 2747	C105	C CE MI 4N7K 63E2
11 15915	C.41	C EL5 RA 4M7M 35E2 85	11 15915	C106	C EL5 RA 4M7M 35E2 85
11 3724	C.42	C POMERA 100N K 63E2	11 15915	C107	C EL5 RA 4M7M 35E2 85
11 3724	C.43	C POMERA 100N K 63E2	11 15915	C108	C EL5 RA 4M7M 35E2 85
11 3724	C.44	C POMERA 100N K 63E2	11 3724	C109	C POMERA 100N K 63E2
11 3724	C.45	C POMERA 100N K 63E2	11 1515	C110	C EL RA 150M M 16E2 85
11 3724	C.46	C POMERA 100N K 63E2	11 3726	C111	C POMERA 150N K 63E2
11 15915	C.47	C EL5 RA 4M7M 35E2 85	11 2242	C112	C NPO MI 100P J 63E2
11 15915	C.48	C EL5 RA 4M7M 35E2 85	11 3724	C113	C POMERA 100N K 63E2
11 2234	C.49	C NPO MI 22P G 63E2	11 3724	C114	C POMERA 100N K 63E2
11 2240	C.50	C NPO MI 68P J 63E2	11 2747	C115	C CE MI 4N7K 63E2
11 3724	C.51	C POMERA 100N K 63E2	11 15915	C116	C EL5 RA 4M7M 35E2 85
11 3724	C.52	C POMERA 100N K 63E2	11 2747	C117	C CE MI 4N7K 63E2
11 3724	C.53	C POMERA 100N K 63E2	11 15915	C118	C EL5 RA 4M7M 35E2 85
11 3724	C.54	C POMERA 100N K 63E2	11 2747	C119	C CE MI 4N7K 63E2
11 15915	C.55	C EL5 RA 4M7M 35E2 85	11 15915	C120	C EL5 RA 4M7M 35E2 85
11 15915	C.56	C EL5 RA 4M7M 35E2 85	11 2747	C121	C CE MI 4N7K 63E2
11 15915	C.57	C EL5 RA 4M7M 35E2 85	11 3724	C122	C POMERA 100N K 63E2
11 2240	C.58	C NPO MI 68P J 63E2	11 3724	C123	C POMERA 100N K 63E2
11 2747	C.59	C CE MI 4N7K 63E2	11 3724	C124	C POMERA 100N K 63E2
11 15915	C.60	C EL5 RA 4M7M 35E2 85	11 15915	C125	C EL5 RA 4M7M 35E2 85
11 15915	C.61	C EL5 RA 4M7M 35E2 85	11 3724	C126	C POMERA 100N K 63E2
11 2747	C.62	C CE MI 4N7K 63E2	11 15915	C127	C EL5 RA 4M7M 35E2 85
11 15915	C.63	C EL5 RA 4M7M 35E2 85	11 2739	C130	C CE MI 1N K100E2
11 15915	C.64	C EL5 RA 4M7M 35E2 85	11 2739	C131	C CE MI 1N K100E2
11 15915	C.65	C EL5 RA 4M7M 35E2 85			

13 16361	D..1	D Y BAT85	030200 DO35	10 6723	P..4	R TCE H100E K 0W5 S10TS3386P
13 16361	D..2	D Y BAT85	030200 DO35	10 6729	P..5	R TCE H 10K K 0W5 S10TS3386P
13 16361	D..3	D Y BAT85	030200 DO35	10 6729	P..6	R TCE H 10K K 0W5 S10TS3386P
13 16361	D..4	D Y BAT85	030200 DO35			
13 1621	D..5	D S 1N4148	075150 DO35	78 0227	PC..	PCD PJ49 SOFT EDGE
13 1621	D..6	D S 1N4148	075150 DO35			
13 16361	D..7	D Y BAT85	030200 DO35	13 2910	Q..1	Q BS170 FN SS TO92 060A5
13 16361	D..8	D Y BAT85	030200 DO35	13 2916	Q..2	Q BS250 FN SS TO92 045A2
13 1621	D..9	D S 1N4148	075150 DO35	13 2910	Q..3	Q BS170 FN SS TO92 060A5
13 1621	D.10	D S 1N4148	075150 DO35	13 14181	Q..4	Q BC559B P SS TO92 030A1
13 1621	D.11	D S 1N4148	075150 DO35	13 14295	Q..5	Q BC549B N SS TO92 030A1
13 1621	D.12	D S 1N4148	075150 DO35	13 1491	Q..6	Q BSX20 .2369 N SS TO18 015A2
13 16361	D.13	D Y BAT85	030200 DO35	13 2910	Q..7	Q BS170 FN SS TO92 060A5
13 1621	D.14	D S 1N4148	075150 DO35	13 14295	Q..8	Q BC549B N SS TO92 030A1
13 1621	D.15	D S 1N4148	075150 DO35	13 1491	Q..9	Q BSX20 .2369 N SS TO18 015A2
13 1621	D.16	D S 1N4148	075150 DO35	13 2910	Q.10	Q BS170 FN SS TO92 060A5
13 1621	D.17	D S 1N4148	075150 DO35	13 2910	Q.11	Q BS170 FN SS TO92 060A5
13 16361	D.18	D Y BAT85	030200 DO35	13 2910	Q.12	Q BS170 FN SS TO92 060A5
13 1621	D.19	D S 1N4148	075150 DO35	13 2910	Q.13	Q BS170 FN SS TO92 060A5
13 1621	D.20	D S 1N4148	075150 DO35	13 2910	Q.14	Q BS170 FN SS TO92 060A5
13 16361	D.21	D Y BAT85	030200 DO35	13 14181	Q.15	Q BC559B P SS TO92 030A1
13 16361	D.22	D Y BAT85	030200 DO35	13 14181	Q.16	Q BC559B P SS TO92 030A1
13 1621	D.23	D S 1N4148	075150 DO35	13 1491	Q.17	Q BSX20 .2369 N SS TO18 015A2
13 16361	D.24	D Y BAT85	030200 DO35	13 14181	Q.18	Q BC559B P SS TO92 030A1
13 16361	D.25	D Y BAT85	030200 DO35	13 14295	Q.19	Q BC549B N SS TO92 030A1
13 1621	D.26	D S 1N4148	075150 DO35	13 1491	Q.20	Q BSX20 .2369 N SS TO18 015A2
				13 14181	Q.21	Q BC559B P SS TO92 030A1
				13 14181	Q.22	Q BC559B P SS TO92 030A1
				13 14182	Q.23	Q BC559C P SS TO92 030A1
				13 1491	Q.24	Q BSX20 .2369 N SS TO18 015A2
				13 1411	Q.25	Q BC549C N SS TO92 030A1
				13 1411	Q.26	Q BC549C N SS TO92 030A1
				10 1532	R..1	R MF H470E F 0W4 E2
				10 1536	R..2	R MF H 1K F 0W4 E2
				10 1530	R..3	R MF H330E F 0W4 E2
				10 1556	R..4	R MF H 47K F 0W4 E2
				10 1552	R..5	R MF H 22K F 0W4 E2
				10 1544	R..6	R MF H 4K7 F 0W4 E2
				10 1544	R..7	R MF H 4K7 F 0W4 E2
				10 1536	R..8	R MF H 1K F 0W4 E2
				10 1542	R..9	R MF H 3K3 F 0W4 E2
				10 1534	R.10	R MF H680E F 0W4 E2
				10 1534	R.11	R MF H680E F 0W4 E2
				10 1546	R.12	R MF H 6K8 F 0W4 E2
				10 1543	R.13	R MF H 3K9 F 0W4 E2
				10 1545	R.14	R MF H 5K6 F 0W4 E2
				10 1532	R.15	R MF H470E F 0W4 E2
				10 1556	R.16	R MF H 47K F 0W4 E2
				10 1556	R.17	R MF H 47K F 0W4 E2
				10 1540	R.18	R MF H 2K2 F 0W4 E2
				10 1540	R.19	R MF H 2K2 F 0W4 E2
				10 1548	R.20	R MF H 10K F 0W4 E2
				10 1531	R.21	R MF H390E F 0W4 E2
				10 1548	R.22	R MF H 10K F 0W4 E2
				10 1531	R.23	R MF H390E F 0W4 E2
				10 1544	R.24	R MF H 4K7 F 0W4 E2
				10 1560	R.25	R MF H100K F 0W4 E2
				10 1544	R.26	R MF H 4K7 F 0W4 E2
				10 1560	R.27	R MF H100K F 0W4 E2
				10 1553	R.28	R MF H 27K F 0W4 E2
				10 1556	R.29	R MF H 47K F 0W4 E2
				10 1548	R.30	R MF H 10K F 0W4 E2
				10 1548	R.31	R MF H 10K F 0W4 E2
				10 1548	R.32	R MF H 10K F 0W4 E2
				10 15351	R.33	R MF H750E F 0W4 E2
				10 1524	R.34	R MF H100E F 0W4 E2
				10 1528	R.35	R MF H220E F 0W4 E2
13 4114	I..1	U 393 LM	DIP8 PV_COM			
13 7611	I..2	U 4025B	DIL14 PNOR_G			
13 7303	I..3	U 4066B	DIP14 PSWTCH			
13 4124	I..4	U 082 TL	DIP8 POPAMP			
13 4113	I..5	U 084 TL	DIP14 POPAMP			
13 4124	I..6	U 082 TL	DIP8 POPAMP			
13 4029	I..7	U 337LZ	TO92 PSTAB			
13 4029	I..8	U 337LZ	TO92 PSTAB			
13 2832	I..9	U 8574A	PCF DIP16 PEXP			
13 4002	I.10	U 7812	TO220 PSTAB			
13 4016	I.11	U 7912	TO220 PSTAB			
13 2833	I.12	U 76013	SC DIP28 PD_POT			
32 81851	I.13	U_S 800	S-EDGE V220			
13 4124	I.14	U 082 TL	DIP8 POPAMP			
13 4124	I.15	U 082 TL	DIP8 POPAMP			
13 7552	I.16	U 74HCT123	DIP16 PMULTV			
13 4125	I.17	U 34084	DIP14 POPAMP			
13 7303	I.18	U 4066B	DIP14 PSWTCH			
13 4124	I.19	U 082 TL	DIP8 POPAMP			
13 7552	I.20	U 74HCT123	DIP16 PMULTV			
13 4124	I.21	U 082 TL	DIP8 POPAMP			
31 3276	J..1	J MD1	MBT P10 R1SN			
31 3729	MP.1	J PIN	MBT D 2 TESTEYE			
31 3729	MP.2	J PIN	MBT D 2 TESTEYE			
31 3729	MP.3	J PIN	MBT D 2 TESTEYE			
31 3729	MP.4	J PIN	MBT D 2 TESTEYE			
31 3729	MP.5	J PIN	MBT D 2 TESTEYE			
31 3729	MP.6	J PIN	MBT D 2 TESTEYE			
31 3729	MP.7	J PIN	MBT D 2 TESTEYE			
31 3729	MP.8	J PIN	MBT D 2 TESTEYE			
31 3729	MP.9	J PIN	MBT D 2 TESTEYE			
31 3729	MP10	J PIN	MBT D 2 TESTEYE			
31 3729	MP11	J PIN	MBT D 2 TESTEYE			
31 3729	MP12	J PIN	MBT D 2 TESTEYE			
31 3729	MP13	J PIN	MBT D 2 TESTEYE			
10 6726	P..1	R TCE H 1K K 0W5	S10TS3386P			
10 6723	P..2	R TCE H100E K 0W5	S10TS3386P			
10 6725	P..3	R TCE H500E K 0W5	S10TS3386P			

10 1528 R.36 R MF H220E F 0W4 E2
 10 1516 R.37 R MF H 22E F 0W4 E2
 10 1532 R.38 R MF H470E F 0W4 E2
 10 1536 R.39 R MF H 1K F 0W4 E2
 10 1524 R.40 R MF H100E F 0W4 E2
 10 1540 R.41 R MF H 2K2 F 0W4 E2
 10 1540 R.42 R MF H 2K2 F 0W4 E2
 10 1548 R.43 R MF H 10K F 0W4 E2
 10 1540 R.44 R MF H 2K2 F 0W4 E2
 10 1543 R.45 R MF H 3K9 F 0W4 E2
 10 1525 R.46 R MF H120E F 0W4 E2
 10 1541 R.47 R MF H 2K7 F 0W4 E2
 10 1538 R.48 R MF H 1K5 F 0W4 E2
 10 1538 R.49 R MF H 1K5 F 0W4 E2
 10 6824 R.50 R TCE V200E K 0W5 S10SS3386H
 10 1538 R.51 R MF H 1K5 F 0W4 E2
 10 1529 R.52 R MF H270E F 0W4 E2
 10 1536 R.53 R MF H 1K F 0W4 E2
 10 1529 R.54 R MF H270E F 0W4 E2
 10 1536 R.55 R MF H 1K F 0W4 E2
 10 1536 R.56 R MF H 1K F 0W4 E2
 10 1538 R.57 R MF H 1K5 F 0W4 E2
 10 1526 R.58 R MF H150E F 0W4 E2
 10 1529 R.59 R MF H270E F 0W4 E2
 10 1547 R.60 R MF H 8K2 F 0W4 E2
 10 1527 R.61 R MF H180E F 0W4 E2
 10 1557 R.62 R MF H 56K F 0W4 E2
 10 1536 R.63 R MF H 1K F 0W4 E2
 10 1541 R.64 R MF H 2K7 F 0W4 E2
 10 1568 R.65 R MF H470K F 0W4 E2
 10 1528 R.66 R MF H220E F 0W4 E2
 10 1529 R.67 R MF H270E F 0W4 E2
 10 1531 R.68 R MF H390E F 0W4 E2
 10 1531 R.69 R MF H390E F 0W4 E2
 10 1535 R.70 R MF H820E F 0W4 E2
 10 1560 R.71 R MF H100K F 0W4 E2
 10 1544 R.72 R MF H 4K7 F 0W4 E2
 10 1544 R.73 R MF H 4K7 F 0W4 E2
 10 1541 R.74 R MF H 2K7 F 0W4 E2
 10 1547 R.75 R MF H 8K2 F 0W4 E2
 10 1527 R.76 R MF H180E F 0W4 E2
 10 1560 R.77 R MF H100K F 0W4 E2
 10 1526 R.78 R MF H150E F 0W4 E2
 10 1536 R.79 R MF H 1K F 0W4 E2
 10 1552 R.80 R MF H 22K F 0W4 E2
 10 1557 R.81 R MF H 56K F 0W4 E2
 10 1525 R.82 R MF H120E F 0W4 E2
 10 1516 R.83 R MF H 22E F 0W4 E2
 10 1536 R.84 R MF H 1K F 0W4 E2
 10 1527 R.85 R MF H180E F 0W4 E2
 10 1568 R.86 R MF H470K F 0W4 E2
 10 1536 R.87 R MF H 1K F 0W4 E2
 10 1543 R.88 R MF H 3K9 F 0W4 E2
 10 1545 R.89 R MF H 5K6 F 0W4 E2
 10 1546 R.90 R MF H 6K8 F 0W4 E2
 10 1548 R.91 R MF H 10K F 0W4 E2
 10 1536 R.92 R MF H 1K F 0W4 E2
 10 1542 R.93 R MF H 3K3 F 0W4 E2
 10 1548 R.94 R MF H 10K F 0W4 E2
 10 1527 R.95 R MF H180E F 0W4 E2
 10 1560 R.96 R MF H100K F 0W4 E2
 10 1526 R.97 R MF H150E F 0W4 E2
 10 1536 R.98 R MF H 1K F 0W4 E2
 10 1552 R.99 R MF H 22K F 0W4 E2
 10 1526 R100 R MF H150E F 0W4 E2
 10 1548 R101 R MF H 10K F 0W4 E2
 10 1548 R102 R MF H 10K F 0W4 E2
 10 1560 R103 R MF H100K F 0W4 E2

10 1548 R104 R MF H 10K F 0W4 E2
 10 1537 R105 R MF H 1K2 F 0W4 E2
 10 1536 R106 R MF H 1K F 0W4 E2
 10 1541 R107 R MF H 2K7 F 0W4 E2
 10 1535 R108 R MF H820E F 0W4 E2
 10 1524 R109 R MF H100E F 0W4 E2
 10 1532 R110 R MF H470E F 0W4 E2
 10 1536 R111 R MF H 1K F 0W4 E2
 10 1530 R112 R MF H330E F 0W4 E2
 10 1532 R113 R MF H470E F 0W4 E2
 10 1536 R114 R MF H 1K F 0W4 E2
 10 1536 R115 R MF H 1K F 0W4 E2
 10 1536 R116 R MF H 1K F 0W4 E2
 10 1536 R118 R MF H 1K F 0W4 E2
 10 1543 R119 R MF H 3K9 F 0W4 E2

10 01129 SR.1 R CFFV 10E J 0W25 E2
 10 01129 SR.2 R CFFV 10E J 0W25 E2
 10 01129 SR.3 R CFFV 10E J 0W25 E2
 10 01129 SR.4 R CFFV 10E J 0W25 E2
 10 01129 SR.5 R CFFV 10E J 0W25 E2
 10 01129 SR.6 R CFFV 10E J 0W25 E2
 10 01129 SR.7 R CFFV 10E J 0W25 E2
 10 01129 SR.8 R CFFV 10E J 0W25 E2
 10 01129 SR.9 R CFFV 10E J 0W25 E2
 10 01129 SR10 R CFFV 10E J 0W25 E2
 10 03009 SR11 R CFFV 1E J 0W25 E1
 10 01129 SR12 R CFFV 10E J 0W25 E2
 10 01129 SR13 R CFFV 10E J 0W25 E2
 10 03009 SR14 R CFFV 1E J 0W25 E1
 10 03009 SR15 R CFFV 1E J 0W25 E1
 10 01129 SR16 R CFFV 10E J 0W25 E2
 10 01129 SR17 R CFFV 10E J 0W25 E2
 10 01129 SR18 R CFFV 10E J 0W25 E2
 10 01129 SR19 R CFFV 10E J 0W25 E2
 10 01129 SR20 R CFFV 10E J 0W25 E2
 10 01129 SR21 R CFFV 10E J 0W25 E2
 10 01129 SR22 R CFFV 10E J 0W25 E2
 10 01129 SR23 R CFFV 10E J 0W25 E2
 10 01129 SR24 R CFFV 10E J 0W25 E2
 10 01129 SR25 R CFFV 10E J 0W25 E2
 10 01129 SR26 R CFFV 10E J 0W25 E2

Spare parts 76 1876S

ART NO.	DESCRIPTION	QUANTITY	ART NO.	DESCRIPTION	QUANTITY
10 01129	R CFFV 10E J 0W25 E2	23	13 7303	U 4066B DIP14 PSWTCH	2
10 03009	R CFFV 1E J 0W25 E1	3	13 7552	U 74HCT123 DIP16 PMULTV	2
10 6723	R TCE H100E K 0W5 S10TS3386P	2	13 7611	U 4025B DIL14 PNOR_G	1
10 6725	R TCE H500E K 0W5 S10TS3386P	1			
10 6726	R TCE H 1K K 0W5 S10TS3386P	1	31 3276	J MD1 MBT P10 R1SN	1
10 6729	R TCE H 10K K 0W5 S10TS3386P	2	31 33921	J MD JMP P 1 E1SN	1
10 6824	R TCE V200E K 0W5 S10SS3386H	1	31 3729	J PIN MBT D 2 TESTEYE	13
13 1411	Q BC549C N SS TO92 030A1	2	32 81851	U_S 800 S-EDGE V220	1
13 14181	Q BC559B P SS TO92 030A1	6			
13 14182	Q BC559C P SS TO92 030A1	1	34 8019	CBL ACC TIE B L100 W2.5	1
13 14295	Q BC549B N SS TO92 030A1	3			
13 1491	Q BSX20 .2369 N SS TO18 015A2	5	36 20216	SCR D84 M 3 X 6 SI	2
13 1621	D S 1N4148 075150 DO35	14	36 61026	NUT D934 M 3 I	2
13 16361	D Y BAT85 030200 DO35	12	36 61106	NUT D934 M 2.5 I	2
13 2832	U 8574A PCF DIP16 PEXP	1	36 7502	WSHR D6798 A 3.2 S Z	4
13 2833	U 76013 SC DIP28 PD_POT	1			
13 2910	Q BS170 FN SS TO92 060A5	8	78 0227	PCD PJ49 SOFT EDGE	1
13 2916	Q BS250 FN SS TO92 045A2	1			
13 4002	U 7812 TO220 PSTAB	1	80 1602	X ACC INSUL STRIP PCM5	1
13 4016	U 7912 TO220 PSTAB	1			
13 4029	U 337LZ TO92 PSTAB	2			
13 4113	U 084 TL DIP14 POPAMP	1			
13 4114	U 393 LM DIP8 PV_COM	1			
13 4124	U 082 TL DIP8 POPAMP	6			
13 4125	U 34084 DIP14 POPAMP	1			



BARCO Projection Systems

SECTION **Z**

service sheet

**External remote infrared receiver:
the all-seeing eye for BARCO projectors**

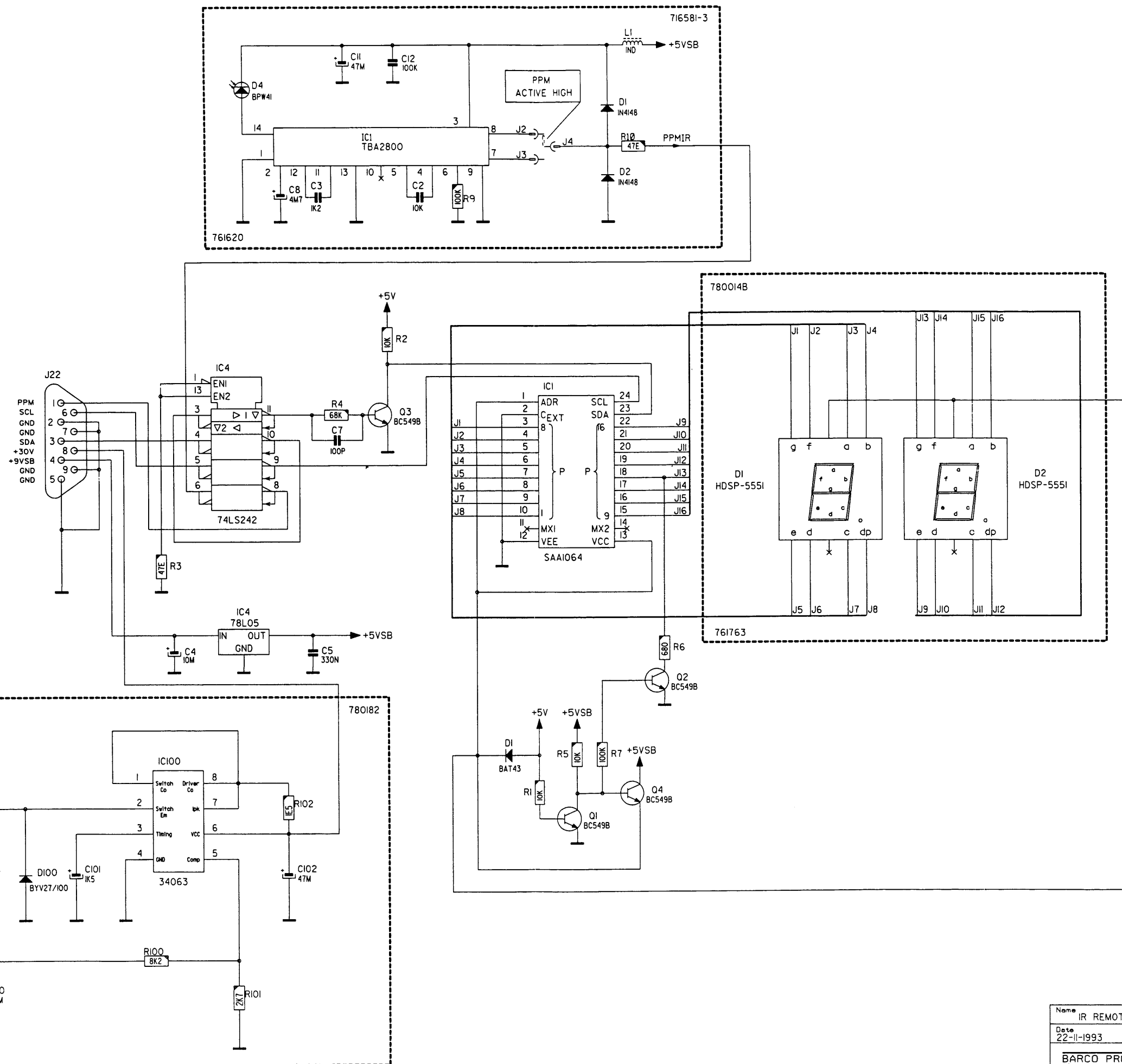


BARCO's external infrared remote receiver facilitates the use of the projector's infrared remote control in difficult installations.

The infrared receiver can be directly hardwired to any digitally controlled BARCO projector or through a switcher. A LED display indicates the selected source number. The special flexible fixation arm of the receiver allows to fix it in almost any position on the ceiling or wall.

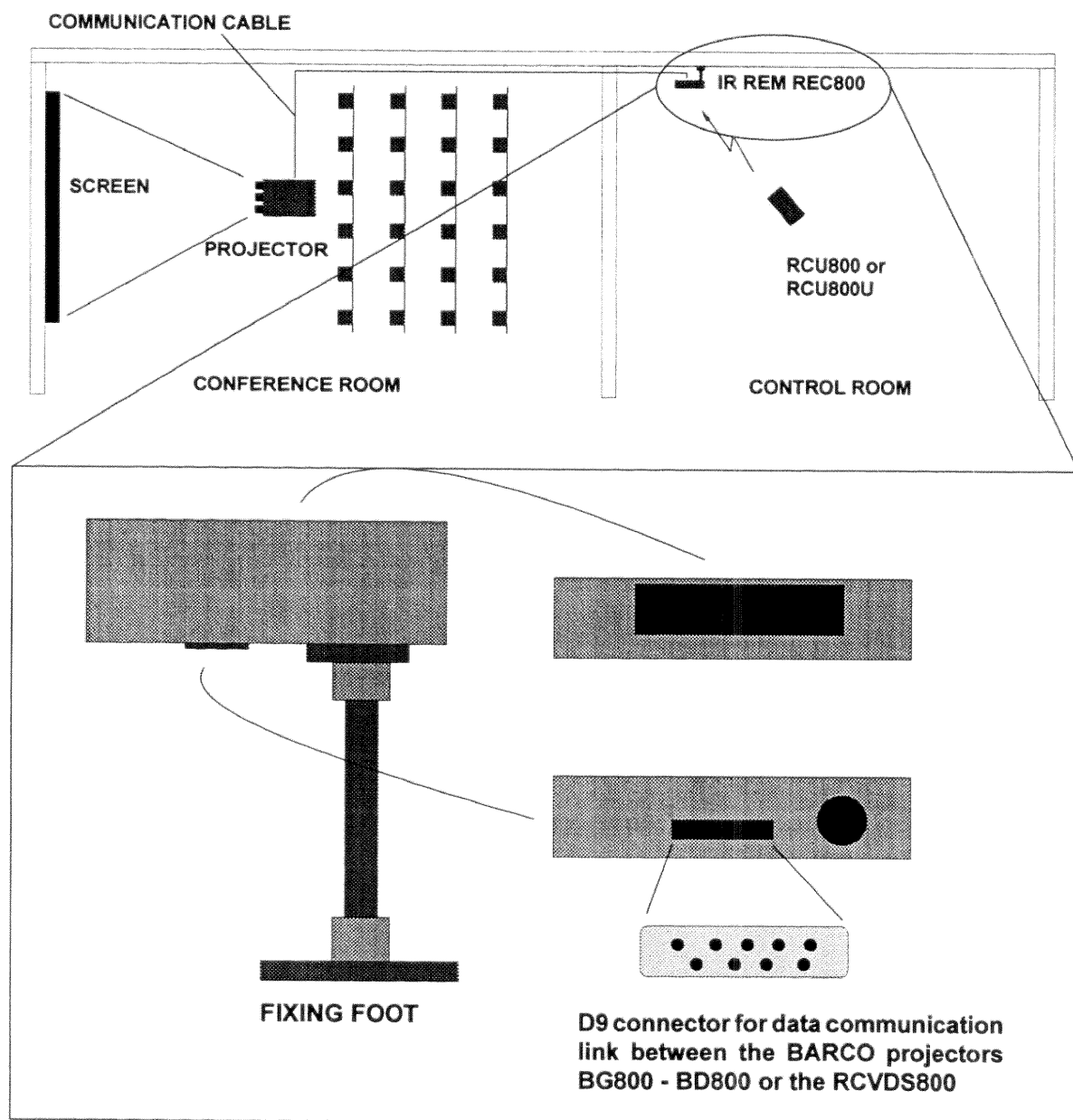
COMP. LOC.

C2	A	6
C2	D	2
C3	D	2
C4	C	4
C5	D	4
C7	D	4
C8	C	2
C11	D	1
C12	D	1
C100	B	6
C101	B	5
C102	C	5
D1	E	1
D1	F	3
D1	F	5
D2	F	5
D4	C	5
D100	B	5
IC1	D	1
IC1	F	3
IC4	C	4
IC4	C	3
IC100	C	5
J2	E	1
J3	F	1
J4	F	1
J22	B	3
L1	E	1
L100	B	5
Q1	E	5
Q2	F	4
Q3	D	3
Q4	F	5
R1	E	5
R2	D	2
R3	C	4
R4	F	5
R5	F	5
R6	F	5
R7	F	5
R9	D	2
R10	F	1
R100	C	6
R101	C	6
R102	C	5



MOUNTING INSTRUCTIONS for the INFRA RED REMOTE RECEIVER 800 (98 27515)

This stand-alone IR Receiver connected to the BG 800 - BD800 projectors or the RCVDS800 with the available D9-D9 communication cable, refer to info sheet 59 75134, allows to transfer the IR signals from the RCU800 or RCU800U to the projector and displaying the selected input.

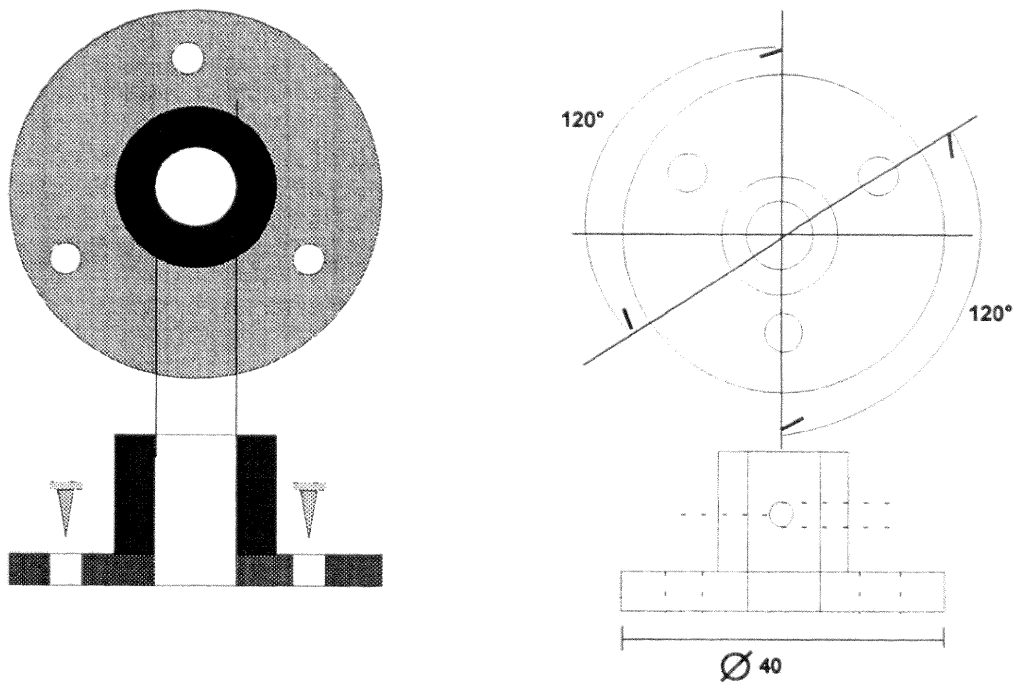


OPERATION

Point the IR transmitter RCU800 or RCU800U at the front side of the IR Remote Receiver 800 (face with window).

Refer to owner's manual of the respective projector or RCVDS800 for further instructions about the use of the IR remote control.

Mounting instructions:



Mount the fixing foot of the IR Remote Receiver on the wall by means of three screws.

Install the communication connection between IR REMOTE RECEIVER and the PROJECTOR 800 serie by means of the D9-D9 communication cable.

Parts listing 98 27515

ITEM NO.	SIT.	DESCRIPTION
59 3082		P BOX 201 245X130X130 COSOC
59 3229		LS FOAM 700X140X15
59 75174		MAN INS PJ49 IR RX
76 17625		UN DSPL PJ49 G800 IR UNV

Parts listing 76 17625

ITEM NO.	SIT.	DESCRIPTION
76 1763		UN DSPL PJ49 G800 IR SUB
76 1762S		UN DSPL PJ49 G800 IR SMP
11 11565	C..1	C EL AX 10M Z 25E7 85
11 3730	C..2	C POMERA 330N K 63E2
11 2362	C..3	C N750MI 100P J 63E2
11 11565	C..4	C EL AX 10M Z 25E7 85
11 3730	C..5	C POMERA 330N K 63E2
13 16361	D..1	D Y BAT85 030200 DO35
13 2825	I..1	U 1064 SAA DIP24 PLED_D
13 7516	I..2	U 74LS242 DIP14 PTRANC
13 4032	I..4	U 78L05 TO92 PSTAB
31 3284	J..1	J CIS MBS P 1 R1 L6.2RL
31 3284	J..2	J CIS MBS P 1 R1 L6.2RL
31 3284	J..3	J CIS MBS P 1 R1 L6.2RL
31 3284	J..4	J CIS MBS P 1 R1 L6.2RL
31 3284	J..5	J CIS MBS P 1 R1 L6.2RL
31 3284	J..6	J CIS MBS P 1 R1 L6.2RL
31 3284	J..7	J CIS MBS P 1 R1 L6.2RL
31 3284	J..8	J CIS MBS P 1 R1 L6.2RL
31 3284	J..9	J CIS MBS P 1 R1 L6.2RL
31 3284	J..10	J CIS MBS P 1 R1 L6.2RL
31 3284	J..11	J CIS MBS P 1 R1 L6.2RL
31 3284	J..12	J CIS MBS P 1 R1 L6.2RL
31 3284	J..13	J CIS MBS P 1 R1 L6.2RL
31 3284	J..14	J CIS MBS P 1 R1 L6.2RL
31 3284	J..15	J CIS MBS P 1 R1 L6.2RL
31 3284	J..16	J CIS MBS P 1 R1 L6.2RL
31 3284	J..17	J CIS MBS P 1 R1 L6.2RL
31 3284	J..18	J CIS MBS P 1 R1 L6.2RL
31 35011	J22.	J DE S8 FBS P 9 FT MFT D
78 0014	PC..	PCB PJ49 800 DSPL IR1
13 14071	Q..1	Q BC547B N SS TO92 045A1
13 14071	Q..2	Q BC547B N SS TO92 045A1
13 14295	Q..3	Q BC549B N SS TO92 030A1
13 1411	Q..4	Q BC549C N SS TO92 030A1
10 1148	R..1	R CF H 10K J 0W25
10 1148	R..2	R CF H 10K J 0W25
10 1120	R..3	R CF H 47E J 0W25
10 1158	R..4	R CF H 68K J 0W25
10 1148	R..5	R CF H 10K J 0W25
10 1134	R..6	R CF H680E J 0W25
10 1160	R..7	R CF H100K J 0W25

Parts listing 76 1763

ITEM NO.	SIT.	DESCRIPTION
76 1620		UN RX EP49 RCVDS800 IR
13 1685	D..1	LED 1DIG CA RED HDSP5551
13 1685	D..2	LED 1DIG CA RED HDSP5551

Parts listing 76 1620

ITEM NO.	SIT.	DESCRIPTION
11 5940	C..2	C PP RA 10N J 63E2
11 59131	C..3	C PP RA 1N2J100E2
11 15915	C..8	C EL5 RA 4M7M 35E2 85
11 1476	C..11	C EL RA 47M M 25E2 85
13 1681	D..4	D O BPW41 032
13 2824	I..1	U 2800 TBA DIP14 PIRREC
30 61582	L..1	CH AX NS 1.5 MH

Parts listing 76 1762S

ITEM NO.	SIT.	DESCRIPTION
11 1468	C100	C EL RA 470M Z 16E2 85
11 2741	C101	C CE MI 1N5K 63E2
11 1486	C102	C EL RA 47M M 40E2 85
13 1950	D100	D R BYV27 15002A SOD57
13 7625	I100	U 34063 DIP8 PSMP
30 61341	L100	CH RA NS 100 UH
78 0182	PC..	PCS PJ49 800 DSPL IR SMP
10 11474	R100	R MF H 8K2 F 0W25
10 11414	R101	R MF H 2K7 J 0W25
10 1102	R102	R CF H 1E5 J 0W25 181

Spare parts 98 27515

ART NO.	DESCRIPTION	QUANTITY
59 3082	P BOX 201 245X130X130 COSOC	1
59 3229	LS FOAM 700X140X15	1
59 75174	MAN INS PJ49 IR RX	1
76 17625	UN DSPL PJ49 G800 IR UNV	1

Spare parts 76 17625

ART NO.	DESCRIPTION	QUANTITY
13 14071	Q BC547B N SS TO92 045A1	2
13 1411	Q BC549C N SS TO92 030A1	1
13 14295	Q BC549B N SS TO92 030A1	1
13 16361	D Y BAT85 030200 DO35	1
13 2825	U 1064 SAA DIP24 PLED_D	1
13 4032	U 78L05 TO92 PSTAB	1
13 7516	U 74LS242 DIP14 PTRANC	1
31 3284	J C IS MBS P 1 R1 L6.2RL	18
31 35011	J DE S8 FBS P 9 FT MFT D	1
36 21195	SCR D7985 M 2.5X 10 PS B	3
36 2188	SCR D916 M 3 X 4 HS B	6
36 6110	NUT D934 M 2.5 S Z	3
36 7435	RVT POP D2.4 L 9.3 P AA	2
36 7502	WSHR D6798 A 3.2 S Z	2
59 3526	P BAG PE 160X 220	1
72 1800	WDW EP IR REC+DIS RCVDS	1
76 1762S	UN DSPL PJ49 G800 IR SMP	1
76 1763	UN DSPL PJ49 G800 IR SUB	1
80 0738	HSG EP RCVDS3 IR RX FIX	1
80 0739	HSG EP RCVDS3 IR RX FIX	1
80 0740	HSG EP RCVDS3 IR RX FLX	1
80 1908	J D ACC SCR_L U/M L 8	2
80 2926	HSG PJ49 DSPL HSG CPL	1

Spare parts 76 1763

ART NO.	DESCRIPTION	QUANTITY
13 1685	LED 1DIG CA RED HDSP5551	2
76 1620	UN RX EP49 RCVDS800 IR	1

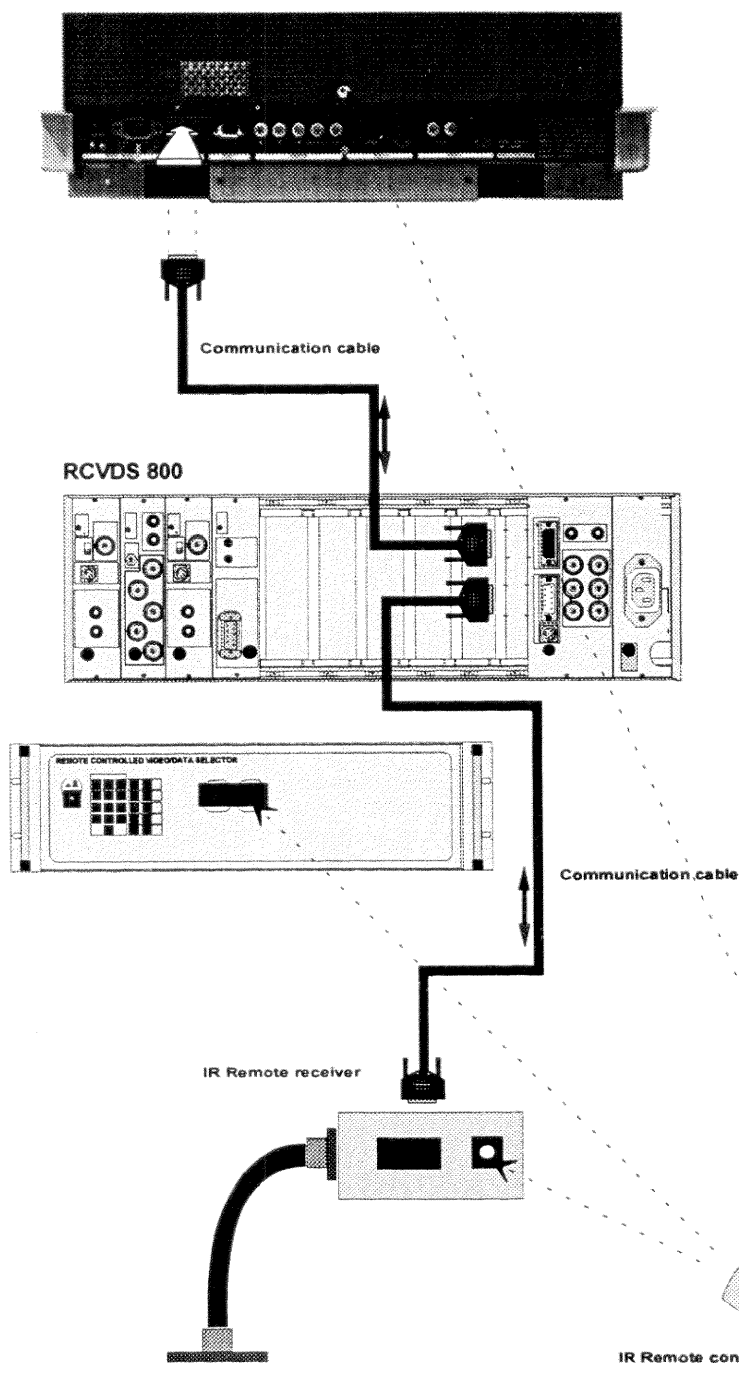
Spare parts 76 1620

ART NO.	DESCRIPTION	QUANTITY
13 1681	D O BPW41 032	1
13 2824	U 2800 TBA DIP14 PIRREC	1
30 61582	CH AX NS 1.5 MH	1
80 3723	FRM PJ53 RX IR SCR N 01	1

Spare parts 76 1762S

ART NO.	DESCRIPTION	QUANTITY
13 1950	D R BYV27 15002A SOD57	1
13 7625	U 34063 DIP8 PSMP	1
30 61341	CH RA NS 100 UH	1
80 2347	SPR RVT L13 D 5 M3 B	2

Interconnection diagram



BD8100 Pin configuration

RS232 IN

- 1 –
- 2 PC_TxD (Transmit DATA)
- 3 PC_RxD (Receive DATA)
- 4 PC_CTS (Clear To Send)
- 5 ground
- 6 –
- 7 –
- 8 PC_DTR (Data Terminal Ready)
- 9 –

COMMUNICATION PORT

- 1 RCVDS_PPM (Pulse Position Mod.)
- 2 RCVDS_TxD (Transmit DATA)
- 3 RCVDS_RxD (Receive DATA)
- 4 +9V.I
- 5 ground
- 6 RCVDS_SCL (Serial Clock line)
- 7 RCVDS_RDY (Ready)
- 8 ++30V
- 9 ground

RCVDS800

REMOTE PROJECTOR

- 1 RCVDS_PPM OUT (Pulse Position Mod.)
- 2 RCVDS_TxD (Transmit DATA)
- 3 RCVDS_RxD (Receive DATA)
- 4 +9V.I
- 5 ground
- 6 RCVDS_SCL IN (Serial Clock line)
- 7 RCVDS_RDY OUT (Ready)
- 8 ++30V
- 9 ground

EXTENSION

- 1 RCVDS_PPM IN (Pulse Position Mod.)
- 2 RCVDS_RxD (Receive DATA)
- 3 RCVDS_TxD (Transmit DATA)
- 4 +9V.I
- 5 ground
- 6 RCVDS_SCL OUT (Serial Clock line)
- 7 RCVDS_RDY IN (Ready)
- 8 ++30V
- 9 ground

IR REMOTE RECEIVER

- 1 RCVDS_PPM (Pulse Position Mod.)
- 2 ground
- 3 SDA (Serial DATA line)
- 4 +9V.I
- 5 ground
- 6 RCVDS_SCL (Serial Clock line)
- 7 ground
- 8 ++30V
- 9 ground

