

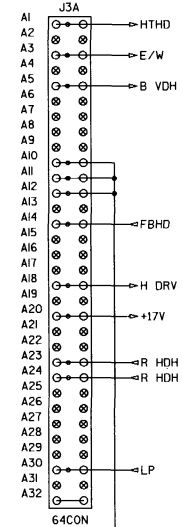
COMP. LOC. COMP. LOC.

C1	B 3	R64	E 4
C2	E 3	R65	E 4
C3	B 3	R66	D 3
C4	C 3	R67	D 3
C5	D 3	R70	F 2
C6	B 4	R71	F 2
C7	B 3	R72	F 3
C20	C 3	R74	F 3
C23	C 3	R80	D 2
C24	D 4	R81	D 2
C25	E 3	R82	D 2
C26	E 3	R83	D 2
C27	B 4	R84	D 2
C28	C 3	R85	D 2
C29	D 4	R86	D 2
C30	D 3	R87	D 2
C31	D 2	R88	D 2
C32	E 3	R89	E 2
C33	D 2	R90	E 2
C34	F 3	R91	E 2
C35	E 3	R97	E 2
C36	F 2	R98	E 3
C37	E 3	R99	E 2
C38	F 3	R100	F 2
C39	B 6	R101	E 3
C40	D 2	R201	F 3
C41	E 2	R202	D 1
C201	C 3	R203	E 3
C301	C 3	R204	E 3
C307	B 2	R205	E 3
C308	C 2	R206	E 3
C309	D 2	R207	D 3
C310	C 2	R208	E 3
C311	C 3	R217	E 3
C312	C 2	R302	C 3
C313	C 2	R308	D 3
C314	C 2	R309	C 2
D2	B 3	R311	D 2
D3	C 3	R312	D 2
D4	D 3	R313	C 2
D5	D 3	R314	C 1
D10	D 3	R315	C 1
D11	C 3	R316	C 2
D12	C 3	R317	C 2
D13	E 2	R318	C 2
D14	D 2	R319	C 2
D16	F 3		
D18	D 2	T1	G 3
D23	D 2	T2	F 3
D200	E 3		
D201	E 3	Z1	G 2
D202	E 3	Z2	F 2
D203	E 3	Z3	F 2
D302	B 2	Z6	D 2
D303	B 2	Z16	E 2
		Z17	E 2
IC1	D 2	Z302	D 2
IC302	D 2	Z303	C 2
IC303	D 3	Z304	C 1
		Z305	C 2
J1	E 3		
J2	E 4		
J3	F 3		
J10	B 4		
J20	G 4		
L2	E 3		
P1	F 2		
P2	F 2		
P3	E 3		
Q1	G 2		
Q4	B 3		
Q5	C 3		
Q6	D 3		
Q7	B 3		
Q10	E 3		
Q13	C 2		
Q14	D 4		
Q15	D 4		
Q16	D 4		
Q17	C 4		
Q18	C 4		
Q19	B 4		
Q20	G 4		
Q21	F 4		
Q22	F 4		
Q23	E 4		
Q24	E 4		
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Q27	E 2		
Q201	E 3		
Q202	E 3		
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Q302	C 3		
Q303	C 2		
Q304	C 2		
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Q306	C 2		
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R13	B 3		
R14	B 3		
R15	B 4		
R22	F 2		
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R52	F 3		
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R55	D 3		
R56	D 4		
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R58	C 4		
R59	C 3		
R60	C 4		
R61	G 4		
R62	F 4		
R63	F 3		

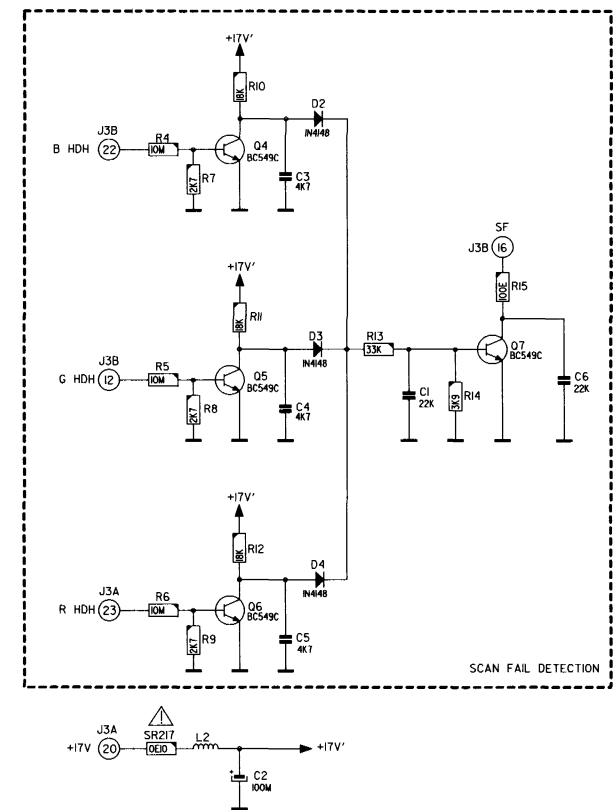
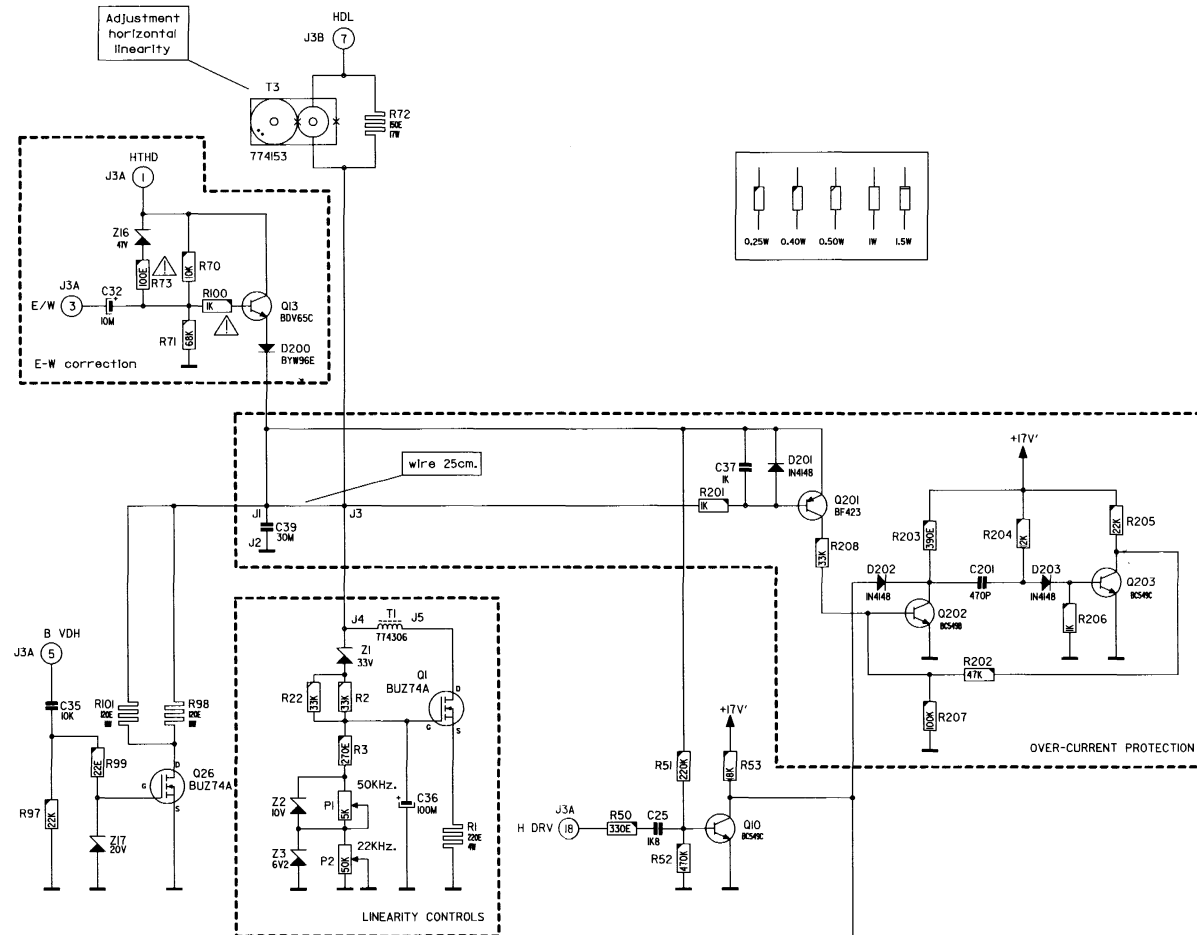
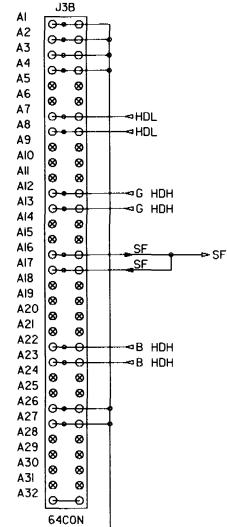
PRODUCT SAFETY NOTICE

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.

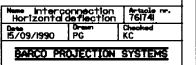
To FRAME (J3A)



To FRAME (J3B)



ARGO

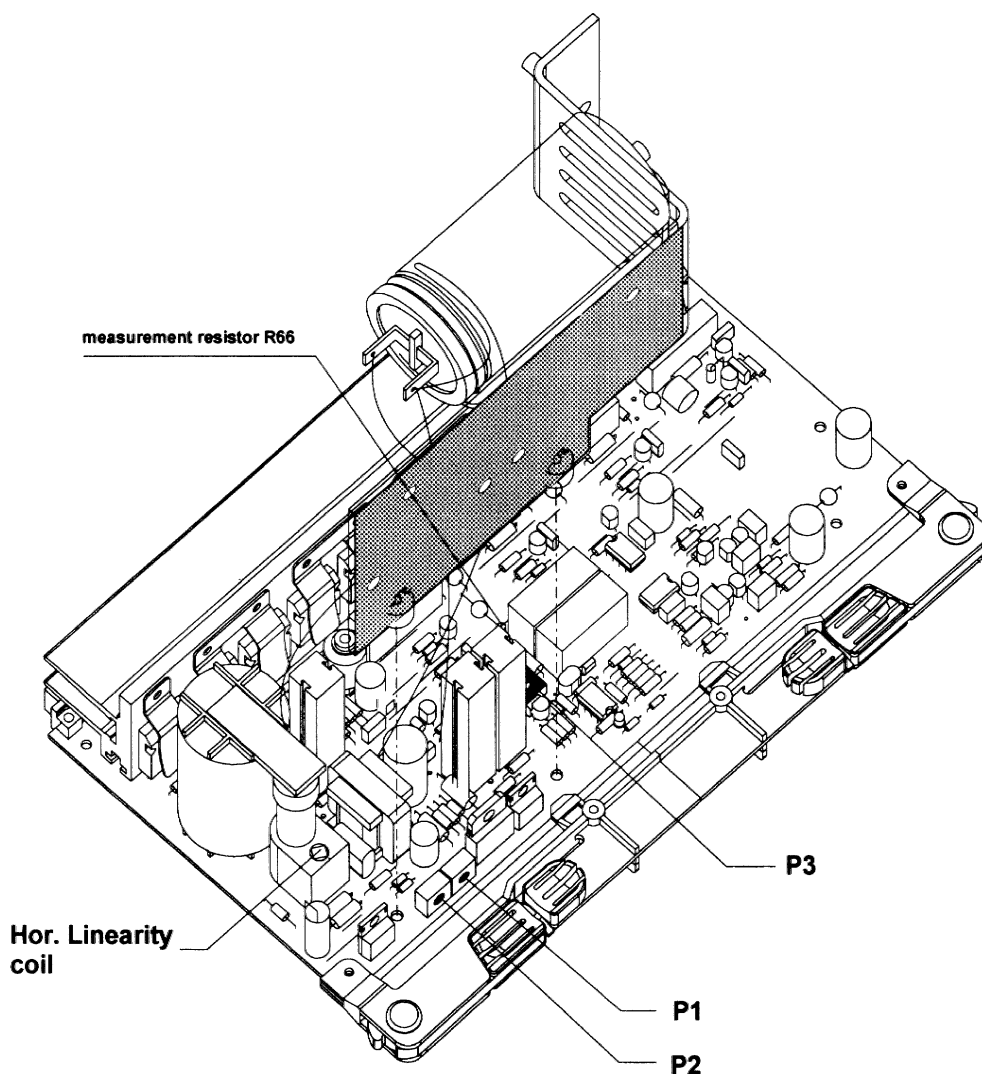


Introduction

The following adjustments are provided on the main board:

a: **Overvoltage protection (=scan hold down) P3**

b: **Horizontal linearity adj.** **at 15 kHz (linearity coil)**
 at 22 kHz (P2) and
 at 50 kHz (P1)



Overvoltage protection

Preparation

Switch **OFF** the projector.

Adjust P3 'Scan HOLD DOWN' to its physical minimum (turning anti-clockwise)

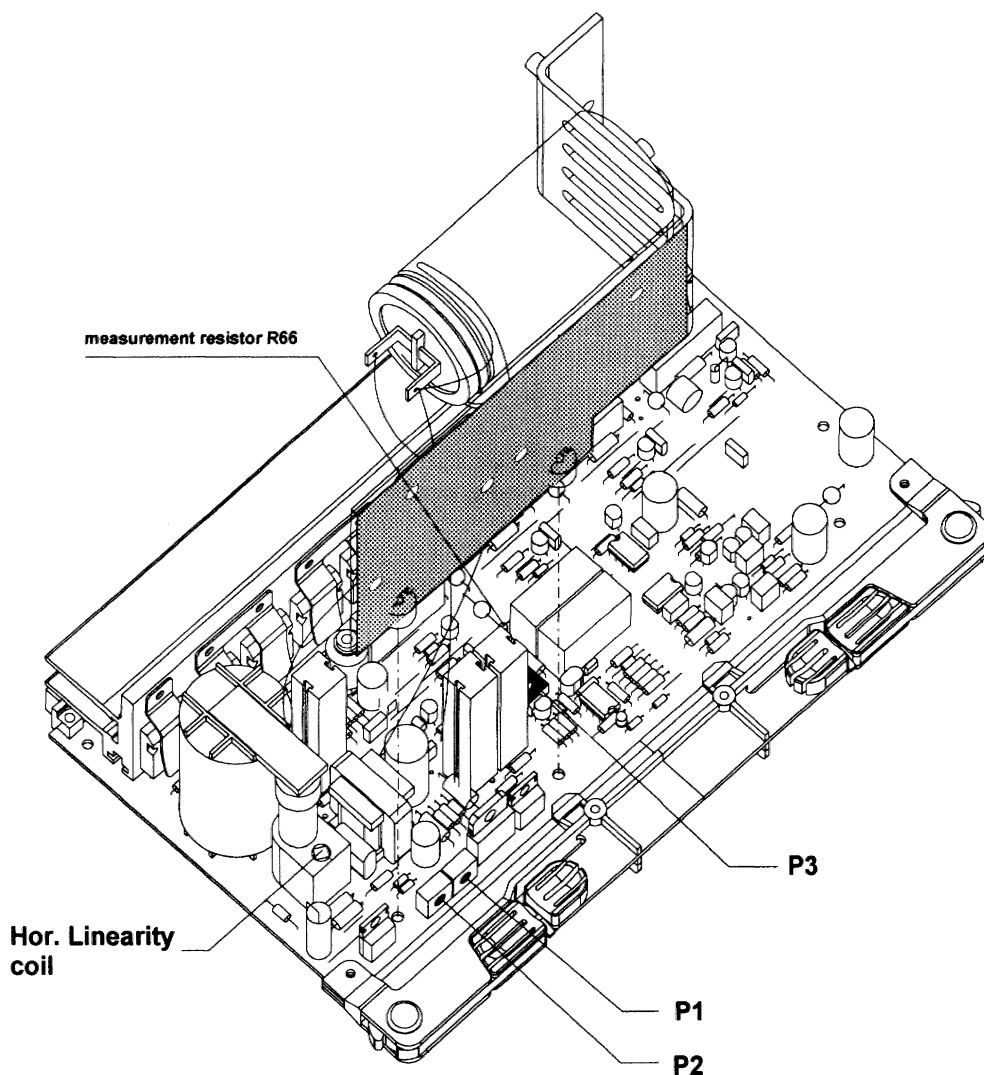
Adjust P2 "MAX HOR. AMPL." **on the SM Power Supply** to its physical minimum (turning anti-clockwise).

Introduction

The following adjustments are provided on the main board:

a: Overvoltage protection (=scan hold down) P3

b: Horizontal linearity adj. **at 15 kHz (linearity coil)**
 at 22 kHz (P2) and
 at 50 kHz (P1)



Overvoltage protection

Preparation

Switch **OFF** the projector.

Adjust P3 'Scan HOLD DOWN' to its physical minimum (turning anti-clockwise)

Adjust P2 "MAX HOR. AMPL." **on the SM Power Supply** to its physical minimum (turning anti-clockwise).

Adjustment

Switch **ON** the projector.

With respect to the chassis ground, measure the dc voltage at the resistor R66.

Adjust P2 **on the SM Power Supply** for 1850Vdc.

Adjust P3 (turning clockwise) until the scan hold down LED D23 lights up. (Projector in hold down)

Reduce the HOR. AMPL. P2 setting (turning anti-clockwise)

Restart the projector (power switching Off/On)

Adjust P2 as explained in the adjustment procedure of the SM Power Supply (refer to corresponding service sheet)

Horizontal linearity

1. Adjust the core of the linearity coil using a 15 kHz input source.
2. Adjust P2 using a 22 kHz input source.
3. Adjust P1 using a 50 kHz input source.

Note: If a 50 kHz input source is not available, then any source between 50-64 kHz may be used.

Introduction.

On this board we find the Mosfet switchers to generate the currents through the scan coils.

In order to obtain a very short retrace time with a relative low scan voltage, and, as a Mosfet only may have 1000 volts across its drain-source, we find two switchers in series.

The drive pulses for the top switchers may not be related to ground level and consequently, a special drive pulse preparation is necessary.

Furthermore, we find the required protection circuits like a scan hold down and scan failure.

Preparation of the drive pulses.

The horizontal deflection uses two Mosfets in series in order to be capable of handling about 2000 volts pulses with a flyback time of less than 2 μ S.

Two drive pulses on different voltage level are required.

The bottom Mosfet is driven by a pulse train referred to ground level, whereas the top Mosfets are driven by a pulse train referred to the mid point of the two series connected mosfets.

The drive pulses, prepared on the un sync+vert defl board, are sent to the amplifier-shaper Q10. At the collector these pulses are buffered by Q302 and feed the series connected opto-couplers IC302/IC303.

A switched mode power supply around IC301, drives a Mosfet Q301, producing two same voltages.

One of the windings produces a floating voltage that will be referred to the node of the two mosfet switchers is. The other winding produces a voltage referred to ground to reproduce the 'low' drive pulse.

Note that this voltage is equally used as feedback for the switched mode power supply on this board..

Obviously; the High drive pulses are reaching the gate-source of the top-Mosfets and the Low drive pulses are driving the bottom Mosfet switchers.

The 20 volts zenerdiodes protect the gate-sources from exceeding the maximum tolerable voltage.

And on the other hand clamp the pulses at -0.6volts.

Modulation of the Scan voltage (East - west correction).

The +HTHD voltage from the Switched Mode Power Supply is modulated in Q13 by means of the East-West correcting waveform.

As the change of voltage on the capacitor C39 (buffer) is maximum during the vertical retrace time, there exists a risk that this change of voltage is not fully performed during this short period of time.

A vertical flyback pulse VF saturates Q26 at each vertical retrace and discharges the buffer capacitor C39 to the same voltage. By this measure, there is a minimum interaction of the bottom correction on the top of the picture.

Horizontal linearity control.

The horizontal linearity coil is line frequency dependent and can obviously not give full satisfaction for the whole frequency range. A modulation of the coil, on other terms a 'tracking' with the line frequencies is really a need.

A second coil is now magnetically coupled with the linearity coil T3. The current flowing in the above tracking coil is the drain-source current of Q1.

The gate voltage of Q1 is the +HTHD voltage, thus a voltage that increases linearly with the line frequency.

Now, in the bias of this gate we find some three zeners and two adjustable resistors.

It is obvious that the zeners cannot perform a 'zener' function as long the applied voltage is below the zener level.

The Z1 (33V) stabilises a 33 volts as soon the +HTHD is beyond the 33 volts or the line frequency beyond the 15kHz.

The next step is reached when Z3 starts stabilising.

From that moment onwards, the voltage across P2 is stabilised at 6.2 volts and the current through P2 is no more contributing to the drain-source current.

Obviously, the next step is reached when Z2 stabilises and from then onwards, the resistors R2/R3/R22 determine the gate voltage and thus the drain-source current.

As a conclusion, we see that the required current for the modulating coil is not increasing linearly with the line frequency, but rather exponentially.

The total frequency range is divided into three ranges, whereas each of these ranges has a well determined correcting current.

Protection Circuits.

a) Overcurrent protection :

If for some reason, the sum of the currents in the scan coils exceeds a well-determined level, the drive is inhibited as follows:

The wire J1-J3, in series with the three scan coils, acts as a small resistor and its extremities are connected to the base-emitter of Q201. When the 0.6 V level is obtained, Q202 starts conducting and triggers the monoflop Q202/Q203.

The switched on Q202 inhibits the drive pulses via D202, and, the deflection is interrupted for some rasters (=time constant of the monoflop).

b) Overvoltage protection (=scan hold down) :

The flyback pulses on each of the series connected Mosfets are checked by a rectifier network consisting of a diode and common decoupling capacitors.

The resulting voltage is divided by R67/P3 and sent to the voltage comparator IC1.

The threshold level is set by the zener diode Z6 at 6.2 volts. At the moment pin 6 exceeds this threshold, the output pin 7 switches low and consequently :

1. The drive is inhibited through D14.
2. The input is kept high as transistor Q27 is blocked and D13 conducting via R89.
3. The red LED D23 is lit in order to show the occurred fault.
4. As the deflection is stopped, there is horizontal scan fail and as a result the appropriated circuit (see further) will drop the EHT voltage and blank the three crt's, to prevent damage to the phosphors.

c) Too low drive protection :

It is imperative that the Mosfets are fully switched on as to show a minimum resistance for the deflection circuit.

The amplitude of the drive pulse depends on the amplitude of the voltage produced by the IC301 switched mode power supply.

This voltage , being divided by R319/R320 is used as SAFE info and applied to pin 3 of the voltage detector IC1.

If this voltage is too low, the output pin 1 gets a low and inhibits the horizontal drive via D18.

d) Horizontal scan failure detection:

The flyback pulses HDH G, R and B are all three applied on a divider and the base of a transistor. As long pulses with sufficient amplitude are available , the collector voltage of all transistors Q4-Q6 are low and cannot saturate Q7. It proves to be the opposite, when one or more flybackpulses are absent.

Feedback to the SMPS.

The scan voltage +HTHD has to 'follow ' the line frequency in order to stabilise the horizontal width of the picture.

The amplitude of the line flyback pulses is proportional with the horizontal scan amplitude. When, by means of a looped feedback system one can stabilise the amplitude of these flyback pulses, the horizontal width is stable as well. ➤

These pulses are rectified by D16 and the +FBHD voltage is linked with the switched mode power supply (see description SMPS).

ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 37161	C..1	C POMERA 22N K100E2	10 6828	P..1	R TCE V 5K K 0W5 S10SS3386H
11 1477	C..2	C EL RA 100M Z 25E2 85	10 6832	P..2	R TCE V 50K K 0W5 S10SS3386H
11 2747	C..3	C CE MI 4N7K 63E2	10 6734	P..3	R TCE H200K K 0W5 S10TS3386P
11 2747	C..4	C CE MI 4N7K 63E2			
11 2747	C..5	C CE MI 4N7K 63E2	78 0043	PC..	PCS PJ49 800 HOR 761766
11 37161	C..6	C POMERA 22N K100E2			
11 2094	C..7	C CE DI 220P K750E3 HV	13 2593	Q..1	Q BUZ74A FN P TO220 50002
11 59161	C.20	C PP RA 1N J100E2	13 1411	Q..4	Q BC549C N SS TO92 030A1
11 4106	C.23	C POMERA 1M K100E6	13 1411	Q..5	Q BC549C N SS TO92 030A1
11 4106	C.24	C POMERA 1M K100E6	13 1411	Q..6	Q BC549C N SS TO92 030A1
11 5922	C.25	C PP RA 1N8J100E2	13 1411	Q..7	Q BC549C N SS TO92 030A1
11 50654	C.26	C PPMERA 15N J162E9 HV 378	13 1411	Q.10	Q BC549C N SS TO92 030A1
11 1773	C.27	C PPMERA 4N7J162E9 HV	13 2945	Q.13	Q BDV65C DN P SOT93 12020
11 1773	C.28	C PPMERA 4N7J162E9 HV	13 2951	Q.14	Q IXTH11N100 FN P TO247 10211
11 1773	C.29	C PPMERA 4N7J162E9 HV	13 2951	Q.15	Q IXTH11N100 FN P TO247 10211
11 4603	C.30	C POMERA 100N M102E9 HV MKS	13 2951	Q.16	Q IXTH11N100 FN P TO247 10211
11 2242	C.31	C NPO MI 100P J 63E2	13 2951	Q.17	Q IXTH11N100 FN P TO247 10211
11 1569	C.32	C EL RA 10M M250E2 85	13 2951	Q.18	Q IXTH11N100 FN P TO247 10211
11 4603	C.33	C POMERA 100N M102E9 HV MKS	13 2951	Q.19	Q IXTH11N100 FN P TO247 10211
11 4154	C.34	C POMERA 22N K400E2	13 2951	Q.20	Q IXTH11N100 FN P TO247 10211
11 37121	C.35	C POMERA 10N K100E2 365	13 2951	Q.21	Q IXTH11N100 FN P TO247 10211
11 1487	C.36	C EL RA 100M Z 40E2 85	13 2951	Q.22	Q IXTH11N100 FN P TO247 10211
11 2739	C.37	C CE MI 1N K100E2	13 2951	Q.23	Q IXTH11N100 FN P TO247 10211
11 4124	C.38	C POMERA 22N K250E4	13 2951	Q.24	Q IXTH11N100 FN P TO247 10211
11 4799	C.39	C PAMERA 30M K300TAP MP	13 2593	Q.26	Q BUZ74A FN P TO220 50002
11 59141	C.40	C PP RA 820P J100E2	13 1411	Q.27	Q BC549C N SS TO92 030A1
11 2387	C.41	C N152MI 470P J 63E2	13 2552	Q201	Q BF423 P SS TO92 25050
11 2387	C201	C N152MI 470P J 63E2	13 14295	Q202	Q BC549B N SS TO92 030A1
11 1479	C301	C EL RA 470M Z 25E2 85	13 1411	Q203	Q BC549C N SS TO92 030A1
11 3720	C303	C POMERA 47N K 63E2	13 1411	Q302	Q BC549C N SS TO92 030A1
11 1479	C307	C EL RA 470M Z 25E2 85	13 2910	Q303	Q BS170 FN SS TO92 060A5
11 1479	C308	C EL RA 470M Z 25E2 85	13 1424	Q304	Q BC338 N SS TO92 025A8
11 3730	C309	C POMERA 330N K 63E2	13 14311	Q305	Q BC327 P SS TO92 045A5
11 3732	C310	C POMERA 470N K 63E2	13 2910	Q306	Q BS170 FN SS TO92 060A5
11 3730	C311	C POMERA 330N K 63E2	13 1424	Q307	Q BC338 N SS TO92 025A8
11 3732	C312	C POMERA 470N K 63E2	13 14311	Q308	Q BC327 P SS TO92 045A5
11 3732	C313	C POMERA 470N K 63E2			
11 3732	C314	C POMERA 470N K 63E2			
13 1621	D..2	D S 1N4148 075150 DO35	10 3640	R..1	R WW H220E J 4W
13 1621	D..3	D S 1N4148 075150 DO35	10 1254	R..2	R CF H 33K J 0W5
13 1621	D..4	D S 1N4148 075150 DO35	10 1129	R..3	R CF H270E J 0W25
13 1906	D..5	D R BYV96E 1021A5 SOD57	10 4678	R..4	R HV H 10M J 0W5 3500
13 1906	D..10	D R BYV96E 1021A5 SOD57	10 4678	R..5	R HV H 10M J 0W5 3500
13 1906	D..11	D R BYV96E 1021A5 SOD57	10 4678	R..6	R HV H 10M J 0W5 3500
13 1906	D..12	D R BYV96E 1021A5 SOD57	10 1141	R..7	R CF H 2K7 J 0W25
13 1621	D..13	D S 1N4148 075150 DO35	10 1141	R..8	R CF H 2K7 J 0W25
13 1621	D..14	D S 1N4148 075150 DO35	10 1141	R..9	R CF H 2K7 J 0W25
13 1637	D..16	D R BA158 600400 DO7	10 1151	R.10	R CF H 18K J 0W25
13 1621	D..18	D S 1N4148 075150 DO35	10 1151	R.11	R CF H 18K J 0W25
13 1662	D.23	D LED D3 T RED	10 1151	R.12	R CF H 18K J 0W25
13 1906	D.C1	D R BYV96E 1021A5 SOD57	10 1154	R.13	R CF H 33K J 0W25
13 1952	D200	D R BYW96E 10203A SOD64	10 1143	R.14	R CF H 3K9 J 0W25
13 1621	D201	D S 1N4148 075150 DO35	10 1124	R.15	R CF H100E J 0W25
13 1621	D202	D S 1N4148 075150 DO35	10 1254	R.22	R CF H 33K J 0W5
13 1621	D203	D S 1N4148 075150 DO35	10 1130	R.50	R CF H330E J 0W25
34 8100	D303	W_U JUMP 0.6 AUT	10 1164	R.51	R CF H220K J 0W25
13 4114	I..1	U 393 LM DIP8 PV_COM	10 1168	R.52	R CF H470K J 0W25
13 1683	I302	U 2601 HCPL DIP8 POPTOC	10 1151	R.53	R CF H 18K J 0W25
13 1683	I303	U 2601 HCPL DIP8 POPTOC	10 1118	R.55	R CF H 33E J 0W25
31 3525	J10.	J EUR2C MBS P64 E1C2S 1.6	10 1118	R.56	R CF H 33E J 0W25
31 3525	J20.	J EUR2C MBS P64 E1C2S 1.6	10 1118	R.57	R CF H 33E J 0W25
77 3215	L..2	CH SMP PJ49	10 1118	R.58	R CF H 33E J 0W25
			10 1118	R.59	R CF H 33E J 0W25
			10 1118	R.60	R CF H 33E J 0W25
			10 1118	R.61	R CF H 33E J 0W25
			10 1118	R.62	R CF H 33E J 0W25
			10 1118	R.63	R CF H 33E J 0W25
			10 1118	R.64	R CF H 33E J 0W25

Horizontal Deflection module

76 1741

ITEM NO. SIT. DESCRIPTION

10 1118	R.65	R CF H 33E J 0W25	
10 11008	R.66	R CFFH 1E J 0W25	0207
10 4690	R.67	R HV H 33M J 0W5	3500
10 1148	R.70	R CF H 10K J 0W25	
10 3158	R.71	R MO H 68K J 0W7	
10 4527	R.72	R WW V150E K17W	
10 11249	R.73	R CFFH100E J 0W30	
10 11209	R.74	R CFFH 47E J 0W25	
10 1152	R.80	R CF H 22K J 0W25	
10 1136	R.81	R CF H 1K J 0W25	
10 1158	R.82	R CF H 68K J 0W25	
10 1143	R.83	R CF H 3K9 J 0W25	
10 1156	R.84	R CF H 47K J 0W25	
10 1147	R.85	R CF H 8K2 J 0W25	
10 1152	R.86	R CF H 22K J 0W25	
10 1148	R.87	R CF H 10K J 0W25	
10 1144	R.88	R CF H 4K7 J 0W25	
10 1156	R.89	R CF H 47K J 0W25	
10 1144	R.90	R CF H 4K7 J 0W25	
10 1156	R.91	R CF H 47K J 0W25	
10 1152	R.97	R CF H 22K J 0W25	
10 4426	R.98	R WW V120E K11W	
10 1116	R.99	R CF H 22E J 0W25	
10 11369	R100	R CFFH 1K J 0W25	
10 4426	R101	R WW V120E K11W	
10 1136	R201	R CF H 1K J 0W25	
10 1156	R202	R CF H 47K J 0W25	
10 1131	R203	R CF H390E J 0W25	
10 1149	R204	R CF H 12K J 0W25	
10 1152	R205	R CF H 22K J 0W25	
10 1136	R206	R CF H 1K J 0W25	
10 1160	R207	R CF H100K J 0W25	
10 1154	R208	R CF H 33K J 0W25	
10 11907	R217	R CFFH E1 J 0W4	
10 11947	R300	R CFFH E47K 0W4	

ITEM NO. SIT. DESCRIPTION

10 1135	R308	R CF H820E J 0W25	
10 1134	R309	R CF H680E J 0W25	
10 1232	R310	R CF H470E J 0W5	
10 1139	R311	R CF H 1K8 J 0W25	
10 11169	R312	R CFFH 22E J 0W25	
10 1136	R313	R CF H 1K J 0W25	
10 1134	R314	R CF H680E J 0W25	
10 1232	R315	R CF H470E J 0W5	
10 1139	R316	R CF H 1K8 J 0W25	
10 11169	R317	R CFFH 22E J 0W25	
10 1136	R318	R CF H 1K J 0W25	
10 1147	R319	R CF H 8K2 J 0W25	
77 4306	T1..	T PJ49 LIN CTRL	
77 4153	T1E.	COIL LIN PJ45 HOR DHR	
77 4310	T2..	T PJ49 HOR DEF	
13 1790	Z..1	D ZEN 33V 1W C DO41	
13 1735	Z..2	D ZEN 10V 0W5 C DO35	
13 1720	Z..3	D ZEN 6V2 0W5 C DO35	
13 1720	Z..6	D ZEN 6V2 0W5 C DO35	
13 1707	Z.16	D ZEN 47V 1W3 C DO41	
13 1730	Z.17	D ZEN 20V 0W5 C DO35	
13 1716	Z302	D ZEN 5V1 0W5 C DO35	
13 1730	Z303	D ZEN 20V 0W5 C DO35	
13 1716	Z304	D ZEN 5V1 0W5 C DO35	
13 1730	Z305	D ZEN 20V 0W5 C DO35	
13 1740	Z306	D ZEN 12V 0W5 C DO34	

Horizontal Deflection module

76 1741

ART NO.	DESCRIPTION	QUANTITY	ART NO.	DESCRIPTION	QUANTITY
10 11008	R CFFH 1E J 0W25 0207	1	13 1952	D R BYW96E 10203A SOD64	1
10 11169	R CFFH 22E J 0W25	2	13 2552	Q BF423 P SS TO92 25050	1
10 11209	R CFFH 47E J 0W25	1	13 2593	Q BUZ74A FN P TO220 50002	2
10 11249	R CFFH100E J 0W30	1	13 2910	Q BS170 FN SS TO92 060A5	2
10 11369	R CFFH 1K J 0W25	1	13 2945	Q BDV65C DN P SOT93 12020	1
10 11907	R CFFH E1 J 0W4	1	13 2951	Q IXTH11N100 FN P TO247 10211	11
10 11947	R CFFH E47K 0W4	1	13 3039	SPR L 8 D 4 D 1.2 C CER	1
10 3158	R MO H 68K J 0W7	1	13 3063	Q ACC ISO MICA SOT93	2
10 3640	R WW H220E J 4W	1	13 4114	U 393 LM DIP8 PV_COM	1
10 4426	R WW V120E K11W	2			
10 4527	R WW V150E K17W	1	31 3220	R ACC HLDR H10 WW V	1
10 4678	R HV H 10M J 0W5 3500	3	31 3224	R ACC HLDR H25 WW V	2
10 4690	R HV H 33M J 0W5 3500	1	31 3525	J EUR2C MBS P64 E1C2S 1.6	2
10 6734	RTCE H200K K 0W5 S10TS3386P	1			
10 6828	RTCE V 5K K 0W5 S10SS3386H	1	36 20216	SCR D84 M 3 X 6 SI	2
10 6832	RTCE V 50K K 0W5 S10SS3386H	1	36 20236	SCR D84 M 3 X 10 SI	1
			36 21229	SCR D7985 M 3 X 8 PIC	20
11 1569	C EL RA 10M M250E2 85	1	36 6988	NUT I SOUTH M 3 X0.5	2
11 1773	C PPMERA 4N7J162E9 HV	3	36 7502	WSHR D6798 A 3.2 S Z	4
11 2094	C CE DI 220P K750E3 HV	1	36 7699	RVT CHB D2.38L6.35 P A	3
11 4124	C POMERA 22N K250E4	1			
11 4154	C POMERA 22N K400E2	1	72 2276	LOCK PJ49 PCB UN CPL 01	1
11 4603	C POMERA 100N M102E9 HV MKS	2			
11 4799	C PAMERA 30M K300TAP MP	1	77 3215	CH SMP PJ49	1
11 50654	C PPMERA 15N J162E9 HV 378	1	77 4153	COIL LIN PJ45 HOR DHR	1
			77 4306	T PJ49 LIN CTRL	1
			77 4310	T PJ49 HOR DEF	1
13 1411	Q BC549C N SS TO92 030A1	8			
13 1424	Q BC338 N SS TO92 025A8	2	80 2665	FRM PJ49 HOR CORE LIN FIX	1
13 14295	Q BC549B N SS TO92 030A1	1	80 2691	HTSNK PJ49 HOR A GRAPHICS	1
13 14311	Q BC327 P SS TO92 045A5	2	80 2740	HTSNK PJ49 HOR B GRAPHICS 08	1
13 1621	D S 1N4148 075150 DO35	9	80 2741	HTSNK PJ49 HOR FIX CAP	1
13 1637	D R BA158 600400 DO7	1	80 2751	COIL LIN PJ49 POSITION	1
13 1662	D LED D3 T RED	1	80 2758	HTSNK PJ49 HOR I FIX	1
13 1683	U 2601 HCPL DIP8 POPTOC	2	80 2783	Q ACC ISO SHT 30X225	1
13 1707	D ZEN 47V 1W3 C DO41	1	80 2827	CORE LIN 802739+802626	1
13 1716	D ZEN 5V1 0W5 C DO35	2	80 2920	Q ACC ISO SHT 16X 28	1
13 1720	D ZEN 6V2 0W5 C DO35	2	80 4674	Q ACC SPG 1XM3 SHORT 02	11
13 1730	D ZEN 20V 0W5 C DO35	3	80 4831	Q ACC SPG 1X 3.1 LONG 02	3
13 1735	D ZEN 10V 0W5 C DO35	1			
13 1740	D ZEN 12V 0W5 C DO34	1			
13 1790	D ZEN 33V 1W C DO41	1			
13 1906	D R BYV96E 1021A5 SOD57	5			

