

## SCHEMA ELETTRICO / PARTS LIST

### MONITOR POLO 33"

(I)	<p><b>ATTENZIONE!</b> Per effettuare qualsiasi misura di controllo nella sezione primaria alimentatore, usando voltmetro digitale o oscilloscopio, occorre separare il monitor dalla rete tramite un TRASFORMATORE DI ISOLAMENTO, facendo comunque attenzione che la terra degli strumenti sia scollegata.</p> <p>Questa precauzione non è necessaria quando si effettuano le misure di controllo nella sezione monitor (deflessione e video), e sulle uscite secondarie dell'alimentatore.</p> <p>Il trasformatore di isolamento deve avere queste caratteristiche: Ingresso 220-240 V a.c.; Uscita 220-240 V a.c. 200 W minimo</p>
(GB)	<p><b>WARNING!</b> Whenever voltage checks are to be made in the primary circuits of the power supply, using a digital voltmeter or an oscilloscope, it is necessary to isolate the monitor from the mains supply by means of an ISOLATING TRANSFORMER also taking care that the instruments are disconnected from earth.</p> <p>This precaution is not necessary when making measurements in the monitor section (deflexion and video), nor in the secondary circuits of the power supply.</p> <p>The isolating transformer for the above purpose should have following characteristics: Input 220-240 V a.c.; Output 220-240 V a.c. 200 W minimum</p>
(E)	<p><b>ATENCION!</b> Para efectuar medidas de control en la sección primaria del alimentador, usando voltímetro digital, o bien osciloscopio, es necesario separar el monitor de la red con un TRANSFORMADOR DE AISLAMIENTO, debiendo estar la tierra del instrumento conectada. De esta manera se evita que haya conexión directa a la red entre el instrumento y la sección primaria del alimentador, al estar el instrumento a la tierra se evita dañar cualquier componente y tener la máxima seguridad para el operador. Estas precauciones no son necesarias cuando se efectúan las medidas en la sección del monitor (deflexión video), y sobre la salida secundaria del alimentador.</p> <p>El transformador debe tener estas características: Entrada 220-240 V a.c.; Salida 220-240 V a.c. 200W mínimo.</p>
(F)	<p><b>ATTENTION!</b> Pour effectuer n'importe quelle mesure de contrôle dans la section primaire d'alimentation, en utilisant un voltamètre digital ou un oscilloscope, il faut séparer le moniteur du réseau au moyen d'un TRANSFORMATEUR D'ISOLEMENT, en faisant de toute façon attention à ce que la prise de terre des instruments soit débranchée.</p> <p>Cette précaution n'est pas nécessaire quand on effectue les mesures de contrôle dans la section moniteur (déflexions et vidéo), et sur les sorties secondaires de l'alimentateur.</p> <p>Le transformateur d'isolement doit avoir les caractéristiques suivantes: Entrée 220-240 V a.c.; Sortie 220-240 V a.c. 200 W minimum.</p>
(D)	<p><b>VORSICHTSMAßNAHMEN!</b> Wenn im Primärnetzteil Messungen mit Hilfe von digitalen Voltmetern und Oszilloskopen vorgenommen werden, ist es notwendig, den Monitor von der Hauptstromversorgung zu trennen. Dies sollte über einen TRENNTRANSFORMATOR erfolgen. Es ist unbedingt darauf zu achten, daß dann alle Instrumente vom Erdpotential getrennt sind.</p> <p>Diese Vorkehrungen sind nicht notwendig, wenn Messungen auf der Monitorgrundplatte im Bereich der Ablenkung und Videoaufbereitung vorgenommen werden. Außerdem sind obengenannte Vorkehrungen nicht notwendig im Sekundärbereich des Netzteils.</p> <p>Der Trenntransformator sollte folgende Eigenschaften haben: Eingang 220-240 V a.c.; Ausgang 220-240 V a.c. 200 W.</p>

PARTS LIST MONITOR POLO 33\*

MAIN P.C.B. ASSEMBLY + C.R.T. SOCKET ASSEMBLY CODE 63200900  
 C.R.T. SOCKET ASSEMBLY CODE 62015907  
 EAST-WEST P.C.B. ASSEMBLY CODE 62015913  
 REMOTE CONTROL P.C.B. ASSEMBLY CODE 62015920

CODE	DESCRIPTION	REF. No
28020640	COIL 100 µH 10%	L112-102
28021210	BRIDGE COIL	L107
28040180	LINEARITY COIL	L109
20620080	I.C. MA 7812	IC105
20620190	I.C. TDA 2593	IC104
20670070	I.C. SN 7406	IC102
20670950	I.C. TDA 1670A/1675	IC103
20672920	I.C. UC3842 A	IC101
26422621	CER CAP. 2.2NF 250V 2.5KV	C102-103
26433601	CER CAP. 3.3NF 400V 2.5KV	C127-128
24932200	RADIAL ELECT. CAP. 220MF 385V	C107
25144709	C. POLYPROPYLENE 4.7NF 63V 2.5%	C152
25464710	C.P. 1.76 470NF 250V	C170
25651002	C.P. 1.73 10NF 630V	C109
25651200	C.P. 1.73 12NF 630V	C175
25943301	C.P. 1.73 3.3NF 1.5KV	C172
25951003	C.P. 1.73 10NF 1.5KV	C174
34074630	3-WAY BURNDY CONNECTOR F.	J101
34074640	2-WAY BURNDY CONNECTOR F.	J102
34076770	16-WAY THRU-LINE CONNECTOR M.	J107
20100001	DIODE 1N 4148	D122-123-124-125-126-130-131-132-133-139-140-146-147-148-128-142

20100012	DIODE BA 159	D127-129-141-106-110-111-112
20110091	DIODE ZENER 18V 1/2W 5%	ZD101
20110120	DIODE ZENER 36V 1/2W 5%	ZD103
20110860	DIODE ZENER 5.1V 1/2W 2%	ZD102
20130060	SIGNAL DIODE BAV20	D138
20150008	DIODE 1N 4007	D107-108-109
20150460	DIODE BYD33G	D137-144-150
20150131	DIODE BY255	D101-102-103-104
20150171	DIODE BYV 95/C	D135
20150210	DIODE DAMPER BY228	D134
20150421	DIODE FAST BY228 200	D118-119
20151280	DIODE ULTRAFAST MUR 460	D105-117-116
28028820	MAINS FILTER	L110
29100019	TIME-DELAY FUSE 3.15A IMQ O SEMKO	F101
50428550	INSULATOR 2KV	T118-101
50429630	INSULATOR 2KV	T114
43000011	SPRING X TO220	T114-118-101-IC103
21000230	NTC 20E	R103
21000037	PTC PHILIPS 220V 2322.662.96009	R104
21311003	RESISTOR, NON-FLAMMABLE 1E 5% 1/2W	R236
21313901	RESISTOR, NON-FLAMMABLE 3.9E 5% 1/2W	R130
21321001	RESISTOR, NON-FLAMMABLE 10E 5% 1/2W	R234
21221002	RESISTOR, NON-FLAMMABLE 10E 5% 1/4W	R189-198
21312702	RESISTOR, NON-FLAMMABLE 2.7E 5% 1/2W	R167
22342203	RESISTOR, HORIZ. 2.2K 5% 7W	R219
22514701	RESISTOR, HORIZ. 4.7E 5% 10W	R227
21403300	METAL OXIDE RES. 0.33E 10% 1W	R222
21432700	METAL OXIDE RES. 270E 5% 1W	R129-131-132-133
21458200	METAL OXIDE RES. 82K 5% 1W	R105-106-245
21541001	METAL OXIDE RES. 1K 5% 2W	R221-228
21211501	METAL LAYER RES. 1.5E 1% 1/4W	R113
21311002	METAL LAYER RES. 1E 2% 1/2W	R177
21211501	METAL LAYER RES. 1.5E 1% 1/4W	R111-112
21241002	METAL LAYER RES. 1K 1% 1/4W	R123
21242001	METAL LAYER RES. 2K 1% 1/4W	R121
21251202	METAL LAYER RES. 12K 1% 1/4W	R182-116
21252201	METAL LAYER RES. 22K 1% 1/4W	R188
21261201	METAL LAYER RES. 120K 2% 1/4W	R225
22351500	RESISTOR, VERT. 15K 5% 7W	R110
22534700	RESISTOR, VERT. 470E 10% 10W	R115
20410100	TRANS. BDY 5A	T118
20420140	TRANS. BF 419	T113
20430320	TRANS. BU 508A	T114
20432370	TRANS. IRFBC30	T101
20400429	TRANS. BC 547B	T119
20401029	TRANS. BC 548B	T103-104-105-106-108-110-112
20401039	TRANS. BC 558B	T107-117
20420159	TRANS. BF 423	T115-116
28010590	TRANSF. DRIVER	TH102
28028811	TRANSF. SWITCH ELDOR 20820743 / SEMAR 17016232	TH101
28029290	TRANSF. EHT 1242.5004	TH103

CODE	DESCRIPTION	REF. No
20431070	TRANSISTOR BF 859	T2 4 6
20674970	I.C. LM 1203N	IC1
21321001	RESISTOR, NON-FLAMMABLE 10E 5% 1/2W	R40
21403300	METAL OXIDE RES. 0.33E 10% 1W	R35
21746800	METAL OXIDE RES. 6.8K 5% 4W	R22-25-28
23031007	CARBON TRIMMER 100E VERT.	RV1-6
23041013	CARBON TRIMMER 1K VERT.	RV3 4 5
26422641	CER CAP. VDE 2.2NF 400V 4KV	C20
34020400	C.R.T. EARTHING TERMINAL S187	J3
34077360	SOCKET, HOSIDEN 0380 01-500	
50430750	TRIMMER ADJUSTMENT SHAFT, GREEN	RV2
50430751	TRIMMER ADJUSTMENT SHAFT, RED	RV1
53840980	P.V.C. ELECTRIC SHOCK PROTECTION	
20100001	DIODE 1N 4148	D1 5 6 7
21211503	RESISTOR NON FLAMMABLE 1.5E 5% 1/4W	R12
20401029	TRANS. BC 548 B	T1 3 5 7

CODE	DESCRIPTION	REF. No
23044710	CARBON TRIMMER 4.7K HORIZ	RV701
23054722	CARBON TRIMMER 47K HORIZ	RV702
50430750	TRIMMER ADJUSTMENT SHAFT, GREEN	RV701-702
20400429	TRANS. BC 547/B	T703
20401029	TRANS. BC 548/B	T701-702

CODE	DESCRIPTION	REF. No
20100012	DIODE BA 159	D401
21432700	METAL OXIDE RES. 270E 1W 5%	RV401 402
23041009	TRIMMER 1K HORIZ	RV403
23044710	TRIMMER 4.7K HORIZ	RV401
23051013	TRIMMER 10K HORIZ	RV404 405 407-408
23061010	TRIMMER 100K HORIZ	RV406
23062207	TRIMMER 220K HORIZ	RV402
34060140	SHUNT CONNECTOR	J402
50423430	TRIMMER ADJUSTMENT SHAFT PT15 D6	RV403
50430750	TRIMMER ADJUST. SHAFT, HEXAG. GREEN	RV401 402 404 405 406-407 RV408

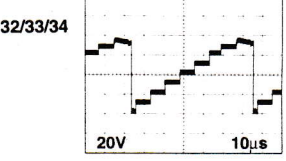
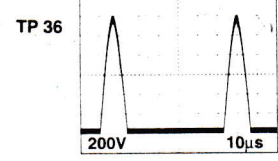
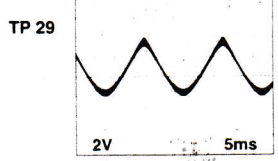
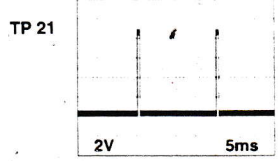
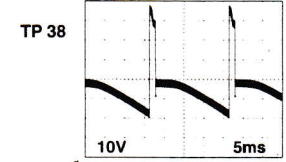
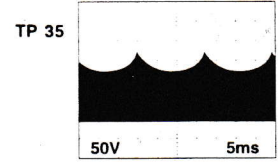
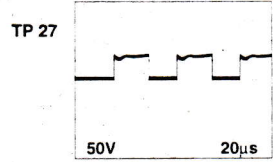
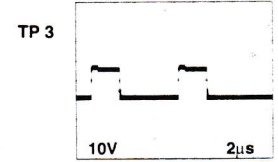
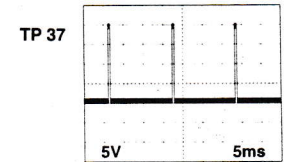
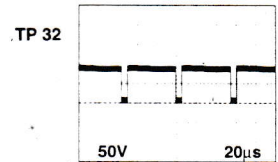
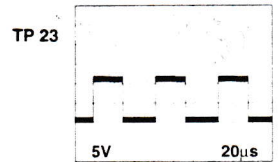
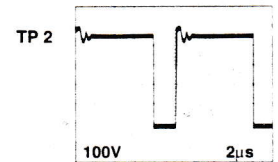
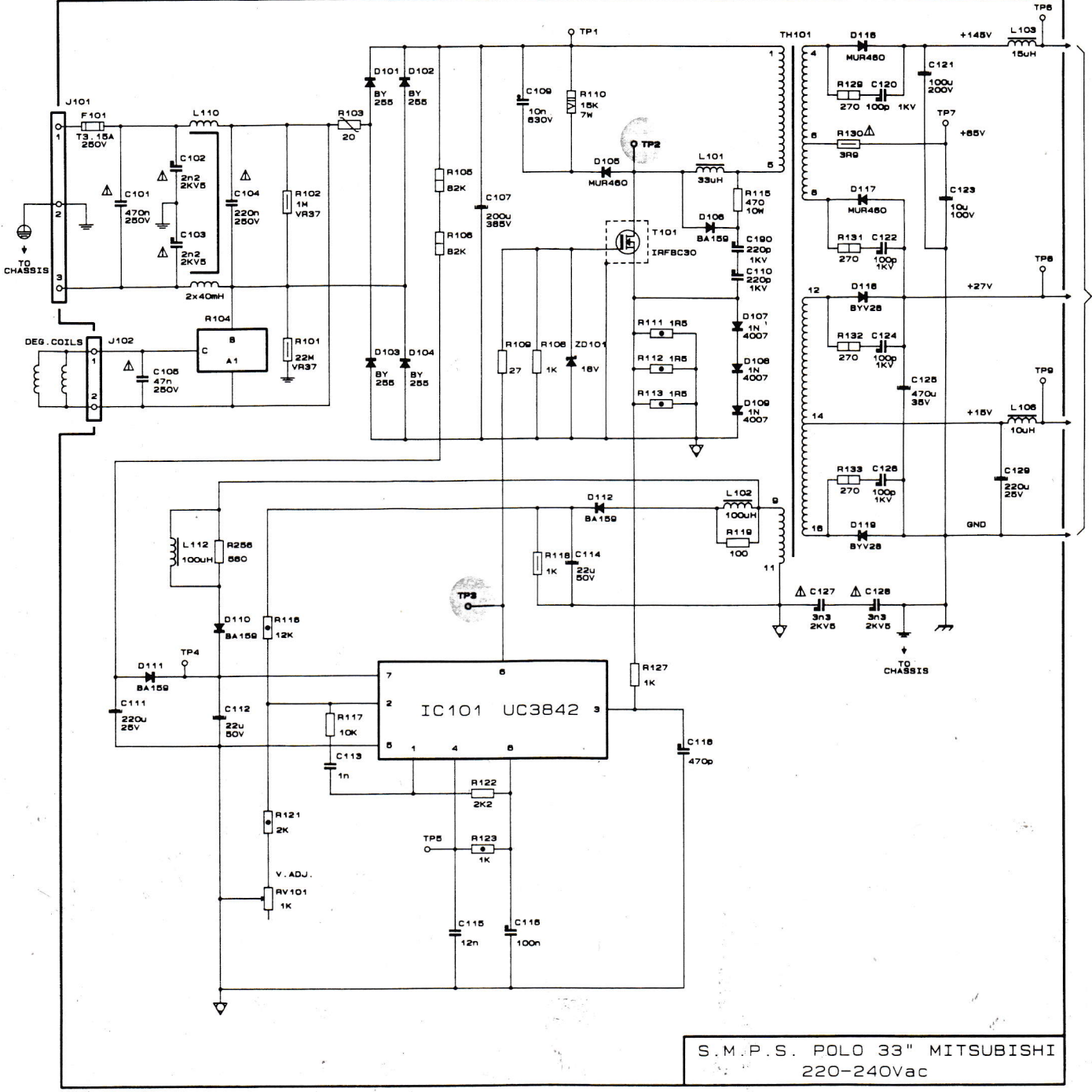
CODE	DESCRIPTION
20831040	C.R.T. 33" MITSUBISHI A79 AEX25X02
61001071	DEFLEXION YOKE CABLE
61012340	DEGAUSSING COIL WIRE
62015631	GROUNDING BRAIDED WIRE ASSY
34020440	CONNECTOR F. S187 160.430/2 FOR J3

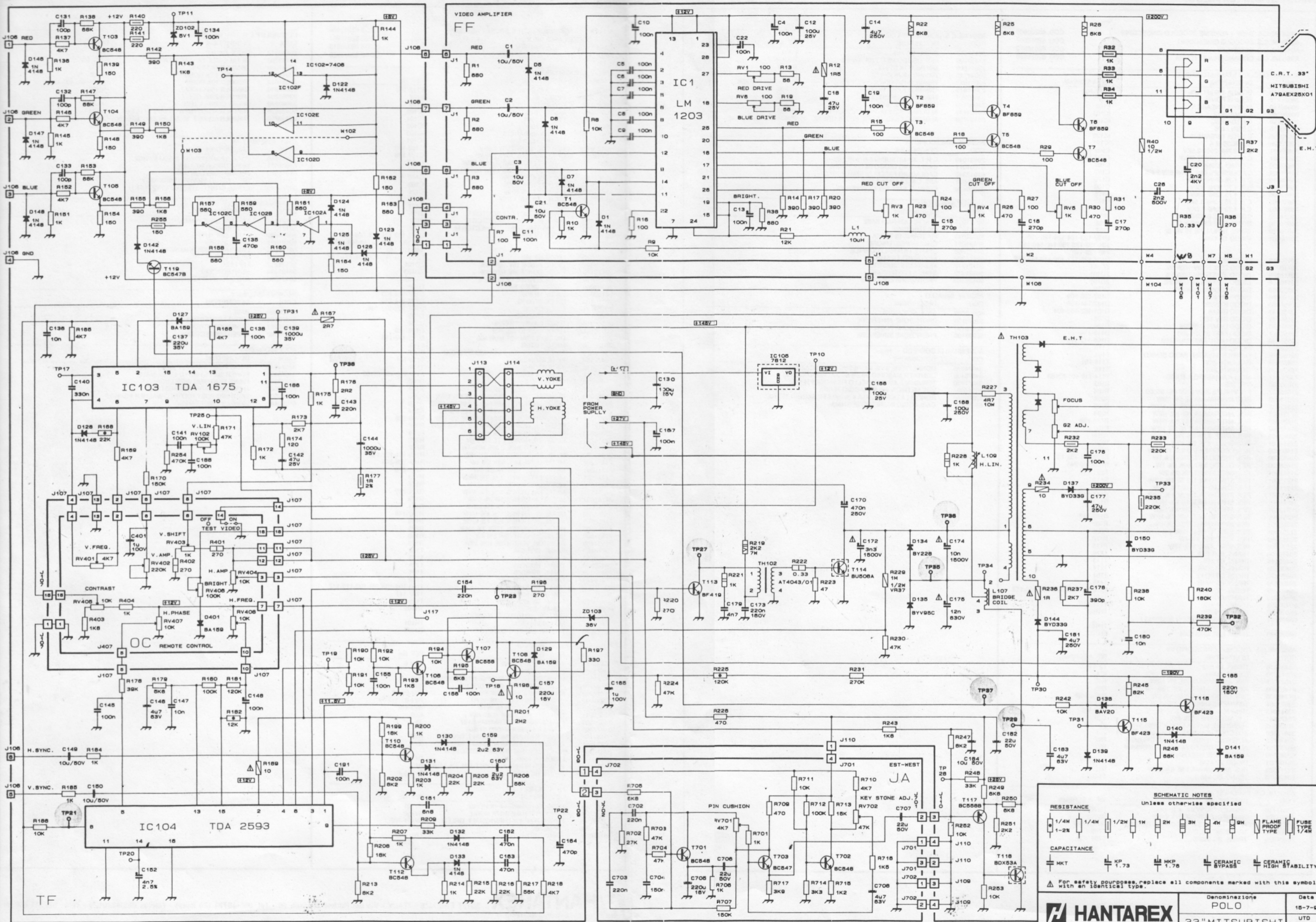
CODE	DESCRIPTION
50121010	LATERAL BASE BRACKETS
50121033	MAIN BOARD
50124890	EARTHING STRIP
50121051	REAR CHASSY
50121060	LATERAL FRAME BRACKETS
50121202	RIGHT LEG
50121212	LEFT LEG
50121380	REAR BRACKET
50125390	CRT SOCKET PROTECTION

CODE	DESCRIPTION
52828080	BASE
52828100	FRONT PROTECTION
52828101	REAR PROTECTION
52828105	UPPER PROTECTION

CODE	DESCRIPTION
34074670	3-WAY POWER SUPPLY INPUT CONNECTOR
34076400	POWER SUPPLY INPUT LUGS, MALE
34077420	FIXING EARTHING WIRE LUG
40114007	THREADED EARTHING POST 4x6
42000540	EARTHING POST TOOTHED WASHER 4.3x8x0.5
61000142	SIGNALS INPUT WIRING

Cod. 53889730





**SCHEMATIC NOTES**  
 Unless otherwise specified

**RESISTANCE**  
 1/4W 1/4W 1/2W 1W 2W 3W 4W 5W 10W  
 1-2%

**CAPACITANCE**  
 MKT KP 1.75 MKP 1.75 CERAMIC BYPASS CERAMIC HIGH STABILITY

For safety purposes, replace all components marked with this symbol with an identical type.