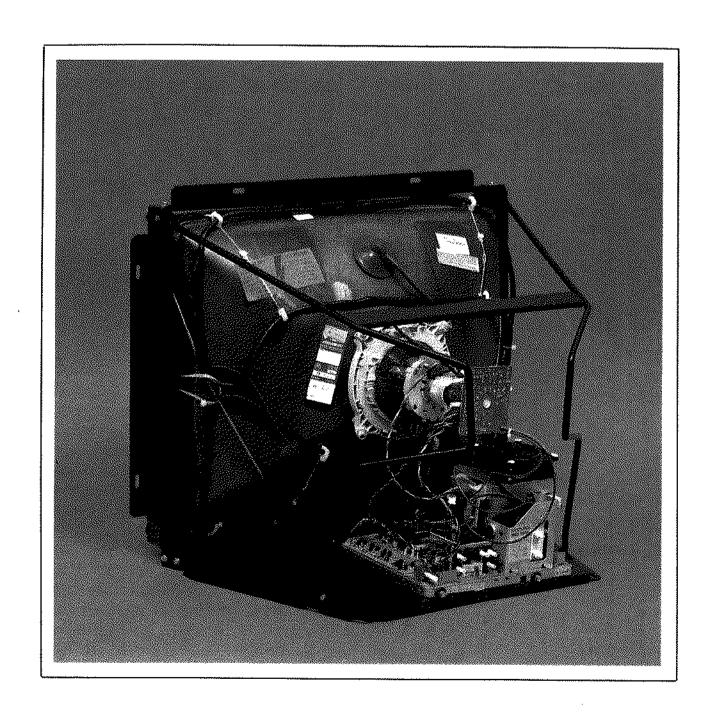


ELECTRONIC SYSTEMS

MONITORS MTC 9110 25" 28"

- MANUALE DI SERVIZIO
- SERVICE MANUAL
- HANDBUCH
- MANUAL DE SERVICIO
- MODE D'EMPLOI



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ENGLISH

DETAILS AND INOVATIONS OF THE MTC 9110 - 25"-28"

- 1) The MTC 9110 monitor has been designed for maximum versatility, so allowing it to be used with almost any logic board.
- 2) The 'monolithic' construction, using a single printed circuit board, makes maximum use of the automatic insertion of components, which, being free of human error, guarantees a high level of production uniformity coupled with a high level of reliability.
- 3) Completely new mechanical design with the specific object of making the unit extremely resistant to impact and vibration during transportation.
- 4) Use of two connectors (CL and CM on the printed circuit board) for the deflexion unit with cross-over wiring which permits easy inversion and reversal of the image often an indispensable feature.
- 5) The electronics for the 25"-28"/110° incorporates a thermostat mounted on the heat sink (on the side of TR BU 508) which guarantees an exceptionally high degree of product safety and reliability. The thermostat comes into operation if its temperature reaches 75-80°, interrupting the 130 V d.c. supply so bringing the fault to the attention of the operator. This could happen if, for example, the ventilator failed, or the monitor were used in conditions of extreme ambient temperature.
- 6) All the controls which affect the display (horizontal and vertical frequency, horizontal and vertical amplitude, horizontal phase and vertical shift) are mounted on a small separate p.c.b. which is normally plugged into a connector on the main board, but may be used in conjunction with a 1.5 metre long extension cable that is available on request. This allows the control card to be mounted in a specially moulded mounting bracket in a position where the operator can easily adjust the monitor while directly viewing the image.
- 7) The video input is fed via a precision three-gang potentiometer permitting acceptance of input signals in the range 1 to 5 V p.p. without creating changes in colour balance.
- 8) Utilization of a new integrated circuit for vertical deflexion (TDA 1670A) resulting in the short vertical fly-back time of 0.7 ms, so extending the range of logic board usage.
- 9) Incorporation of a new integrated circuit in the horizontal sync. circuitry. This I.C. guarantees a positive protection against x-ray radiation and conforms with the principal international public health regulations, such as F.D.A. Federal Drug Administration.

WARNING

- 1) SUPPLY
 - The input supply of the monitor (128 V a.c.) must be fed via a mains isolating transformer.
- 2) EARTHING

The chassis and the heat sinks are connected to earth. To measure voltages and to inspect waveforms, connect the negative terminals of instruments to the chassis.

3) X-RAYS

The monitor has been designed to minimize x-ray radiation. Furthermore, a special safety circuit comes into operation in the event of failure to limit radiation to below 0.5 mR/h.

4) E.H.T.

Dangerously high voltages are present inside the monitor, and for safe operation it is imperative to follow all safety instructions and warnings.

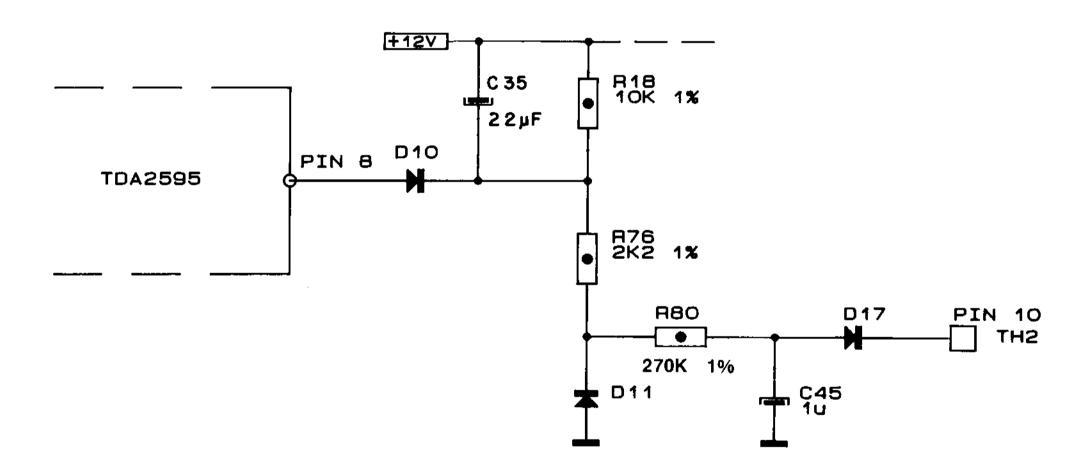
5) C.R.T.

The cathode-ray tube is a high vacuum device and its surfaces are subject to high external pressure. It is therefore necessary to handle the tube with care and to avoid impact which could cause implosion. It follows that personnel handling cathode-ray tubes during installation or during replacement, should wear thick gloves and protective clothing to protect against possible flying glass splinters.

6) WEATHER PROTECTION

To avoid the possibility of electric discharge, do not expose the monitor to rain or excessive humidity.

PROTECTION AGAINST X-RAY RADIATION



(D.H.H.S. accession n. 8720899-05)

The MTC 9110 monitor contains an x-ray protection circuit. A reference voltage is generated from the E.H.T. transformer and is fed via a resistive divider to pin 8 of I.C. TDA 2595.

The voltage appearing at pin 8 is compared with an accurate reference voltage within the I.C., and if the E.H.T. exceeds 30 kV the voltage at pin 8 operates a trigger circuit which inhibits the oscillator and hence the generation of the E.H.T.

The circuit continues to block the oscillator until the cause of the failure has been repaired, and can only be reset by completely switching-off the monitor and switching-on again.

TECHNICAL CHARACTERISTICS

1) SUPPLY

128 V a.c. + 10 — 10%, 50/60 Hz

The supply to the monitor must be via an isolating transformer with the following characteristics: primary 120 V a.c. (USA) 220/240 V a.c., secondary 128 V a.c. 150 W.

2) POWER CONSUMPTION

100 W max.

3) DEGAUSSING

100 ÷ 264 V a.c. automatic.

To change to manually controlled degaussing, remove bridge P34 and insert a twin cable of the desired length into connector CD terminated in a push-button switch, enabling degaussing to be effected at any time.

4) VIDEO INPUT SIGNALS

RGB positive-going with an input impedance of 2.2 kOhm. Input sensitivity from 1 to 5 V p.p. Input connexions as shown on page 37.

For negative-going input signals refer to the description of the «Video Invertor» on page 39.

5) VIDEO PASS BAND

-3 dB at 12 MHz

6) HORIZONTAL BLANKING

12 us

7) VERTICAL BLANKING

1 ms

8) SYNC. SIGNALS

Horizontal and vertical, positive or negative, composite or separate. Input impedance 2.2 kOhm. Input level between 1.5 and 5 V p.p. Input connexions as shown on page 37.

Selection of positive or negative input is made by switch SW4 (see page 37).

9) SCANNING FREQUENCIES

Horizontal 15.625 ± 0.5 kHz: adjustable.

Vertical 45-65 Hz: adjustable.

10) CONTROLS

Contrast, brightness, focus, horizontal frequency, horizontal phase, horizontal amplitude, horizontal linearity, vertical frequency, vertical shift and vertical amplitude. For further details see page 37.

INSTALLATION AND SETTING-UP INSTRUCTIONS

1) SUPPLY

Check that the h.t. line voltage of the monitor at test point TP10 is 130 V d.c. ± 3%.

2) HORIZONTAL OSCILLATOR

Remove the incoming sync. signal (for which one may use SW4) and turn RV5 to obtain a stationary image. Reconnect the sync. input signal.

3) VERTICAL OSCILLATOR

Adjust RV1 to obtain a slow roll-over of the image in a downward direction. Turn back until the image locks.

4) FEED VOLTAGE TO VERTICAL DEFLEXION CIRCUIT

Check that the voltage at TP13 is 26 V d.c. ± 5%. See page 35.

5) FEED VOLTAGE TO VIDEO AMPLIFIER

Check that the voltage at TP1 is 24 V d.c. ± 5%. See page 35.

6) FEED VOLTAGE TO VIDEO OUTPUT AMPLIFIER

Check that the voltage at TP14 is 200 V d.c. ± 5%. See page 35.

7) ADJUSTMENT OF BRIDGE COIL

Bridge Coil B3 is adjusted on the production line, but should it become necessary to re-adjust, the following procedure should be adopted:

- a) Adjust RV4 on board CG for minimum horizontal amplitude.
- b) Adjust the ferrite core of B3 for minimum horizontal amplitude.
- c) Re-adjust RV4 to obtain the desired amplitude.

8) ADJUSTMENT OF EAST/WEST CIRCUIT

Adjust pre-set resistor RV401 on module KK (see page 37) to obtain the best vertical geometry.

9) ADJUSTMENT OF GAIN OF RGB VIDEO OUTPUT STAGES

Having inserted RGB signals of equal amplitude to the inputs, turn the blue gain control RV206, located on the c.r.t. neck board ZG, to its mid-position and adjust the Contrast Control P1 so that the video signal measured with an oscilloscope at the blue cathode is 100 V p.p. Adjust the signals at the cathodes of the red and green guns to the same value by adjustment of RV202 and RV201. See page 37.

10) ADJUSTMENT OF «WHITE»

- a) Remove the video input signal.
- b) Turn RV7 on the c.r.t. grid 1, to maximum brightness.
- c) Turn the black level controls situated on the c.r.t. neck board, RV203 red, RV204 green and RV205 blue, to minimum (clockwise).
- d) Reduce the brightness by adjusting the voltage on grid 2 by means of the control situated on the line output transformer TH2 so that the dominant colour is only just visible, and then adjust the black level controls to obtain the best white possible.
- e) The G2 «Screen» potentiometer functions as the brightness control.

11) FOCUS

Adjust the focus control (FOCUS situated on the line output transformer TH2) using a dot pattern signal, with medium brightness, to give the best focus obtainable.

12) HORIZONTAL LINEARITY

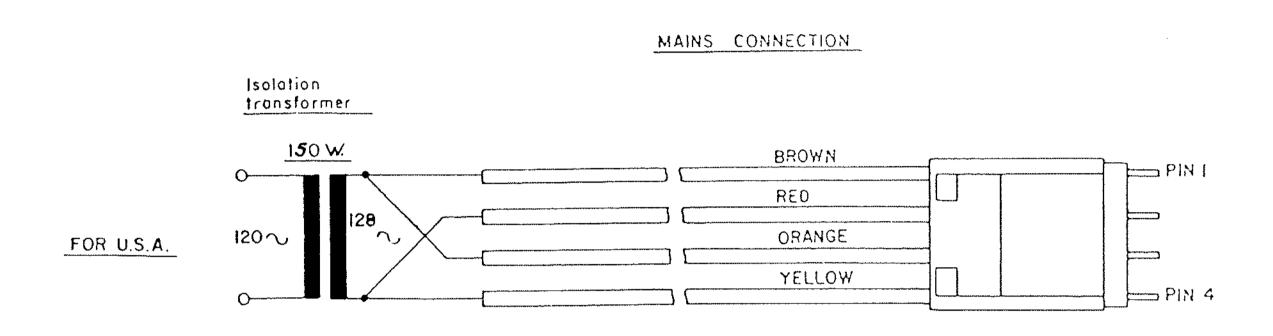
Using a grid pattern signal, adjust for the last square on the right to be equal in size to the first square on the left.

OPERATING INSTRUCTIONS

- 1) Insert the supply cable to the power input connector CC. See page 37.
- 2) Insert the signal and sync. cable to the input connector CA. See page 37.
- 3) Set sync. selector switch SW4 to positive or negative according to the type of input signal. so as to obtain a locked image horizontally and vertically. See page 37.
- 4) Next adjust vertical amplitude, vertical frequency, horizontal amplitude, horizontal phase, vertical shift, horizontal frequency, East-West, brightness and contrast to match the applied signal. See page 37.

Finally it may be necessary to trim to the colour and white adjustments. See para. 9 and 10 page 10.

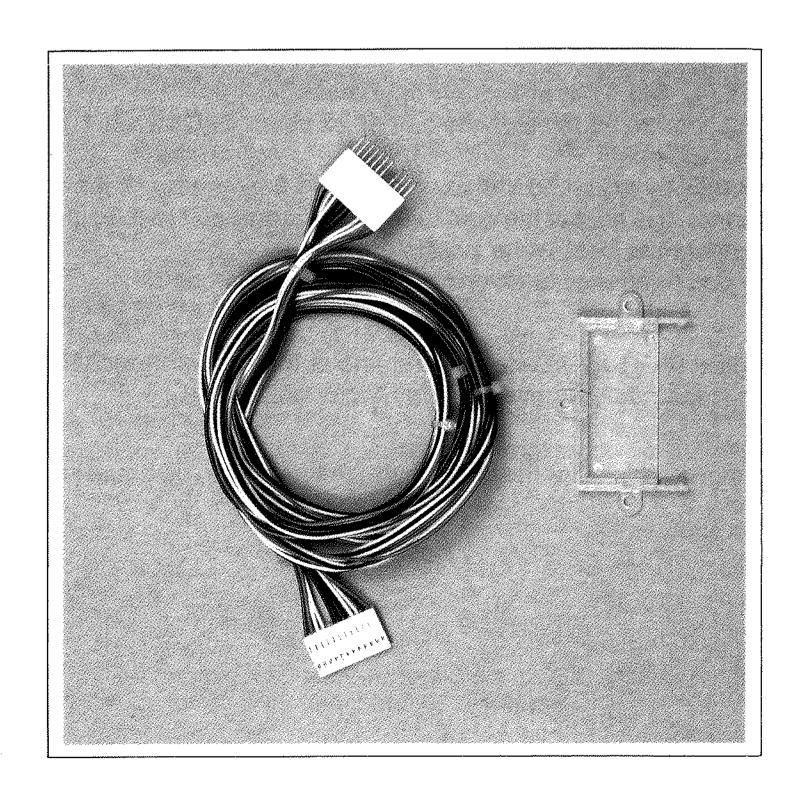
MONITOR POWER INPUT CONNEXION SCHEMATIC (U.S.A. ONLY)



REMOTE CONTROL

The following controls are all mounted on a small printed circuit board CG: vertical frequency, vertical amplitude, vertical shift, horizontal frequency, horizontal phase, horizontal amplitude. The board is fitted with a socket connector which is plugged into a mating plug connector CF on the main board, and may be removed and re-connected via a 1.5 metre cable (available on request) enabling the operator to adjust all those controls from the front of the monitor.

The cable and the special plastic support frame for remotely mounting the control board can be ordered by quoting part no. 62008440 Remote Control Assembly.



PARTS LIST

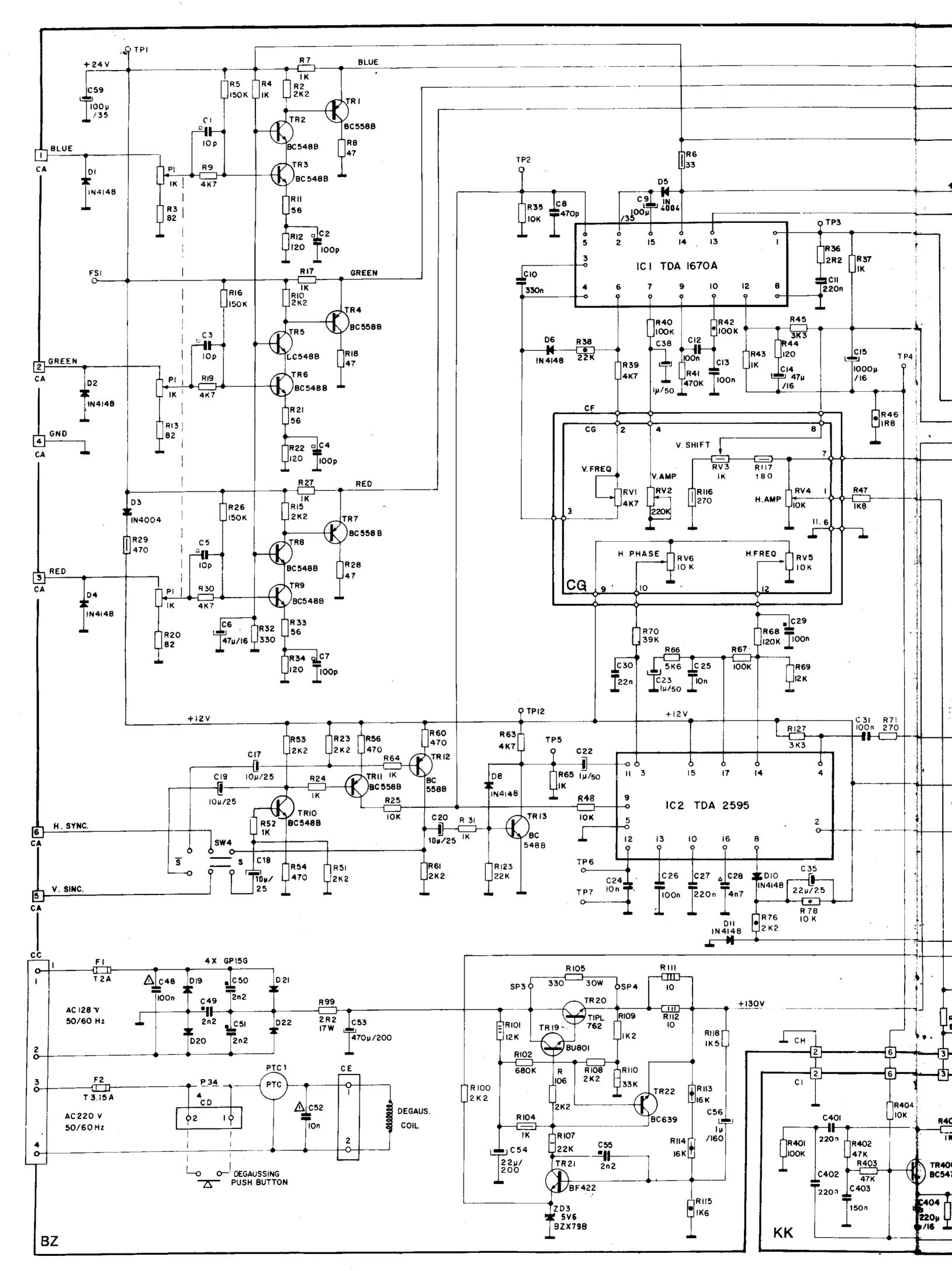
AIN P.C. DDE	B. ASSEMBLY 25"-28"/110° DESCRIPTION	REF.NO.	Q.TY	21233300 21234700 21241000	CARBON RESISTOR 330E 5% 1/4W CARBON RESISTOR 470E 5% 1/4W CARBON RESISTOR 1K 5% 1/4W	R32 R54-56-60 R31-64-24-4-52-	-97-17-7
	75N5D DIODE 4 0 W 7V 100	ZD2	1	21241000	CARBON RESISTOR 1K 5% 1/4W	R37-65-43	-21-11-1
110300 150150	ZENER DIODE 1.3 W ZY 100 DIODE BY 584 (BY 184)	D27	i	21241200 21241500	CARBON RESISTOR 1.2K 5% 1/4W CARBON RESISTOR 1.5K 5% 1/4W	R109 R118	
150170	DIODE BYV 95/C - 600	D13	1	21241601	METAL LAYER RES. 1.6K 1% 1/4W	R115	
150210 410100	DIODE BY 228 TRANSISTOR BDX 53 A	D12 TR17	1	21241800	CARBON RESISTOR 1.8K 5% 1/4W	R47	ED 4E 10
430320	TRANSISTOR BU 508 A	TR15	i	21242200 21242200	CARBON RESISTOR 2.2K 5% 1/4W CARBON RESISTOR 2.2K 5% 1/4W	R108-51-61-23- R83-100-2-106	53-15-10
430470	TRANSISTOR TIPL 762	TR20	1	21242202	METAL LAYER RES. 2.2K 1% 1/4W	R76	
430570 670270	TRANSISTOR BU 801 INTEGRATED CIRCUIT TDA 2595	TR19 IC2	1	21242700	CARBON RESISTOR 2.7K 5% 1/4W	R45	
670950	INTEGRATED CIRCUIT TDA 1670A	IC1	i	21243300 21244700	CARBON RESISTOR 3.3K 5% 1/4W CARBON RESISTOR 4.7K 5% 1/4W	R127 R9-19-30-63-39-	-96
000160	PHILIPS PTC 2322.662.96011 110/220V	PTC1 R113-114	1	21245600	CARBON RESISTOR 5.6K 5% 1/4W	R66	
351601 416800	METAL FILM RES. 16K 1% 1/2W METAL OXIDE RESISTOR 6.8E 5% 1W	R120	2 1	21246800	CARBON RESISTOR 6.8K 5% 1/4W	R88-86	
452200	METAL OXIDE RESISTOR 22K 5% 1W	R107	i	21248200 21251000	CARBON RESISTOR 8.2K 5% 1/4W CARBON RESISTOR 10K 5% 1/4W	R98 R35-85-87-25-4	8-121
153300	METAL OXIDE RESISTOR 33K 5% 1W	R110	1	21251002	METAL LAYER RES. 10K 1% 1/4W	R78	
154700 541001	METAL OXIDE RESISTOR 47K 5% 1W METAL OXIDE RESISTOR 1K 5% 2W	R119-72 R73-82	2 2	21251200	CARBON RESISTOR 12K 5% 1/4W	R69	
521000	METAL OXIDE RESISTOR 10E 5% 3W	R111-112	2	21251202 21252200	METAL FILM RES. 12K 1% 1/4W CARBON RESISTOR 22K 5% 1/4W	R38 R123	
551200	METAL OXIDE RESISTOR 12K 5% 3W	R101	1	21253300	CARBON RESISTOR 33K 5% 1/4W	R84	
744700	METAL OXIDE RESISTOR 4.7K 10% 4W METAL OXIDE RESISTOR 2.2K 5% 5W	R95 R74	1	21253900	CARBON RESISTOR 39K 5% 1/4W	R70	
42200 14700	WIREWOUND RESISTOR VERT. 4.7E 5% 9W	R81	i	21254700 21258201	CARBON RESISTOR 47K 5% 1/4W METAL LAYER R. 82K 1% 1/4W	R75-91-1 R42	
51000	WIREWOUND RESISTOR 10K 10% 9W	R97	1	21261000	CARBON RESISTOR 100K 5% 1/4W	R67	
12200	WIREWOUND RESISTOR 2.2E 10% 17W	R99	1	21261200	CARBON RESISTOR 120K 5% 1/4W	R68-40	
933300 962203	AXIAL WIREWOUND RES. 330E 10% 30W CARBON TRIMMER 220K HORIZ. PT10V	R105 RV7	1	21261500	CARBON RESISTOR 150K 5% 1/4W	R5-16-26	
41009	POTENTIOMETER 1K 232250590002	P1	i	21261800 21264700	CARBON RESISTOR 180K 5% 1/4W CARBON RESISTOR 470K 5% 1/4W	R103 R41-93-92	
341000	RADIAL ELECT. CAPACITOR 1000MF 16V	C15-16	2	21266800	CARBON RESISTOR 680K 5% 1/4W	R102	
14702	RADIAL ELECT. CAPACITOR 4,7MF 50V RADIAL ELECT. CAPACITOR 1000MF 35V	C42 C57	1	21313901	RESISTOR, NON-FLAMMABLE, 3.9E 5% 1/2W	R94	
41000 22201	RADIAL ELECT. CAPACITOR 1000MF 35V	C34	i	21323300 21324700	CARBON RESISTOR 33E 5% 1/2W CARBON RESISTOR 47E 5% 1/2W	R6 R126	
22200	RADIAL ELECT. CAPACITOR 22MF 200V	C54	1	21324700	CARBON RESISTOR 47E 5% 1/2W CARBON RESISTOR 470E 5% 1/2W	R29	
34710	RADIAL ELECT. CAPACITOR 470MF 200V	C53	1	21341000	CARBON RESISTOR 1K 5% 1/2W	R104	
44703 62200	FILM CAPACITOR 4,7NF 63V 5% FILM CAPACITOR 1.60 220NF 160V 10%	C28 C47	1	21342200	CARBON RESISTOR 2.2K 5% 1/2W	R89	
61010	FILM CAPACITOR 1.60 100NF 250V 10%	C43	i	21362700 21371004	CARBON RESISTOR 270K 5% 1/2W METAL FILM RESISTOR 1M 5% 1/2W VR 37	R90 R77	
64710	FILM CAPACITOR 1.76 470NF 250V 10%	C37	1	50146210	MAIN P.C.B. BZ01		
51000 51200	FILM CAPACITOR 1.60 10NF 400V 10% FILM CAPACITOR 1.73 12NF 630V 10%	C46 C41	1	1			
46802	FILM CAPACITOR 1.73 1211 000V 1050 FILM CAPACITOR 1.73 6.8NF 1500V 5%	C40	i				
51002	FILM CAPACITOR 1.58X10NF 250VCA 20%	C52	1				
61002	FILM CAPACITOR 1.58X100NF 250VCA 20%	C48	1		KET ASSEMBLY 25"-28"		code 62010
43302 22608	FILM CAPACITOR 1.73 3.9NF 1500V 5% CERAMIC CAPACITOR —20 + 50 2,2NF 500V	C36 C50-51-55-49	4	CODE	DESCRIPTION	REF.NO.	Q
10590	DRIVER TRANSFORMER AT4043/01	TH1	1	20420110	TRANSISTOR RE 460	TP201.202.203	
21210	BRIDGE COIL UTF49	B3	1	20420110 21411000	TRANSISTOR BF 459 METAL OXIDE RES. 1E 5% 1W WK4	TR201-202-203 R216	
25170	LINEARITY COIL UTF67	B1 TH2	1	21551000	METAL OXIDE RES. 10K 5% 2W	R205-206-210	
26030 00000	TRANSFORMER E.H.T., 1105-E048 TIME-DELAY FUSE 2 A	F1	1	23034706	TRIMMER VERT. REG. 470E PT10NH	RV201-202-206	i
00009	TIME-DELAY FUSE 3,15 A	F2	į	23044700	CARBON TRIMMER HOR, REG. 4.7K PT10V	RV203-204-205	
00150	FUSE HOLDER C10 6A 250V	SWA	2	24921000	RADIAL ELECT. CAPACITOR 10 MF 250V	C205	
000450 010061	SWITCH. CHANG. SWITCHCRAFT KSA2251 FASTON LUG.M. TE115 2,8 × 0,8	SW4 SF1	1	26422640	CER. CAP. 2.2NF 400VCA 4KUP	C206	
23352	AMP CONNECTOR MOD. 1-2 D280609/1	CD-CE	2	29300010	SOAPSTONE INSULATORS 8 M.M.	FS201	
23354	AMP CONNECTOR MOD. 1-4 D280610/1	CC	1	34010061 34020590	FASTON LUG M.FACO TE115 2.8 × 0.8 SOCKET, HOSIDEN HPS0199-020	1 3201	
23356	AMP CONNECTOR MOD. 1-6 D280611/1 5WAY MALE CONN. PRESSAC UTH1859	CL-CM-CA CH	3 1	50423440	HEXAGONAL SHAFT PHILIPS 822241771060		
75080 75090	11WAY MALE CONN. PRESSAC UTH1861	CF	1	53840180	SOC. SHIELDING UTH1852		
00011	SPRING x TO220 UTH38		4	61002270 61005060	SOC.WIRING ASS. UTC241 SOC. SIGNALS WIRING MTC9000 UTC527		
00100	SPRING × RESISTOR 30W UTH635		2	24522209	RADIAL ELECT. CAPACITOR 22uF 35V SM	C201	
10140 16101	RESISTOR BRACKET UTH601 HEATSINK UTH1569		4 1	26322709	CER.CAP.10% 50V 270PF		
16111	MAINFRAME UTH1129		i	21212200	RTEHE40SKYB270K	C202-203-204	
20225	SPINDLE, CONTRAST CONTROL KL1-7503		1	21212200 21238200	CARBON RESISTOR 2,2E 5% 1/4W CARBON RESISTOR 820E 5% 1/4W	R201 R203-207-209	
24220 24230	TO3 INSULATOR UTH1986 TO220 ISULATOR UTH1987		2 1	21244700	CARBON RESISTOR 4,7K 5% 1/4W	R204-208-211	
24230 24310	INTEGRATED CIRCUIT INSUL. UTH2047		1	21341000	CARBON RESISTOR 1K 5% 1/2W	R213-214-215	
24640	MAIN PROTECTION UTH2044	TD44.40.00	1	21342200 21351000	CARBON RESISTOR 2,2K 5% 1/2W CARBON RESISTOR 10K 5% 1/2W	R217 R218	
00469	TRANSISTOR BC648 B	TR14-18-22 TR2-3-5-6-8-9-10-13	3 8	50144841	CRT SOCKET P.C.B. ZG 06		
01029 01039	TRANSISTOR BC548 B TRANSISTOR BC 558 B	TR1-4-7-11-12-16	6				
20219	TRANSISTOR BF 422	TR21	1				
24709	RADIAL ELECT. CAP. 47MF 16V SM	C6-14 C20-18-17-19-58	2 5		S P.C.B. ASSEMBLY 25"-28"		code 62010
21009 22209	RADIAL ELECT. CAP. 10MF 25V SM RADIAL ELECT. CAP. 22MF 25V SM	C35	1	CODE	DESCRIPTION	REF.NO.	C
31009	RADIAL ELECT. CAP. 100MF 35V SM	C9-59	2	01000700	CARRON RECIPTOR OZOF 504 4/0M	D116	
11009	RADIAL ELECT, CAP, 1MF 63V SM	C23-38-22	3	21332700 21331800	CARBON RESISTOR 270E 5% 1/2W CARBON RESISTOR 180E 5% 1/2W	R116 R117	
11009	RADIAL ELECT, CAP. 1MF 160V SM RADIAL ELECT, CAP. 1MF 200V	C56 C45	1 1	23041009	SEALED TRIMMER 1K HORIZ. REG. PT15NV		
11009 51019	FILM CAPACITOR 1.85 100NF 63V 5%	C45 C12-13	2	23044710	SEALED TRIMMER 4,7K HORIZ.REG.PT10NV	RV1	
63319	FILM CAPACITOR 1.85 330NF 63V 5%	C10	1	23051013	SEALED TRIMMER 10K HORIZ.REG.PT10NV SEALED TRIMMER 220K HORIZ.REG.PT10NV		
14719	MYLARD CAP, 4.7NF 100V 10%	C32	1 2	23062207 34075095	11 WAYFEMALE CONN. PRESSAC	1146	
51029 52209	MYLARD CAP. 10NF 100V 10% FILM CAPACITOR 1.85 22NF 100V 10%	C24-25 C30	1		UTH1862	CG	
61009	MYLARD CAP. 100NF 100V 10%	C31-26	2	34075290	POLARIZATION KEY 12/3768		
52219	FILM CAP. 22.365 220NF 100V 10%	C27-33-11	3	50144830 50423430	CONTROLS P.C.B. CG SHAFT PT15		
15109	CER.CAP.NP0 50V 15PF RTHE40SKCH150J CER.CAP.NP0 50V 100PF RTHE80SKCH101J	C2-4-7	3 3	50423440	HEXAGONAL SHAFT PHILIPS 822241771060		
10109 47109	CER.CAP.10% 50V470PF RTHE80SRCH1013 CER.CAP.10% 50V470PF RTHE40SKYB471K		1	1			
10609	CER.CAP20 + 80 50V 100NF						
	RTDSK11SKYF104Z	C29	1 9	POWER IN	N WIRING ASSEMBLY 25"-28"		code 61000
00000 10101	DIODE 1N 4148 ZENER DIODE 1.3 W ZPY 12 2%	D4-2-1-8-10-6-25-26-11 ZD1	1	CODE	DESCRIPTION		Q
10600	ZENER DIODE 2% BZX 79 B5V6	ZD3	i				
30060	DIODE BAV 20	D16-28	2	34020002	AMP FEMALE LUGS 280702/1		
50004	DIODE BYD 33G	D3-5-24 D23-17-15-18-14	3 5	34023404	AMP CONNECTOR 4 F 280591		
50460 50480	DIODE BYD 33G DIODE GP 15 G	D23-17-15-18-14 D21-22-19-20	4				
11801	METAL LAYER RES. 1.8E 1% 1/4W	R46	i	SIGNALS	INPUT WIRING ASSY 25''-28''		code 61000
12200	CARBON RESISTOR 2.2E 5% 1/4W	R36	1	CODE	DESCRIPTION		Code 61000
24700	CARBON RESISTOR 47E 5% 1/4W	R8-18-28-79 R11-21-33	4 3		DESCRIPTION		Q
25600	CARBON RESISTOR 56E 5% 1/4W CARBON RESISTOR 82E 5% 1/4W	R3-13-20	3	34020002	AMP FEMALE LUGS 280702/1		
28200							

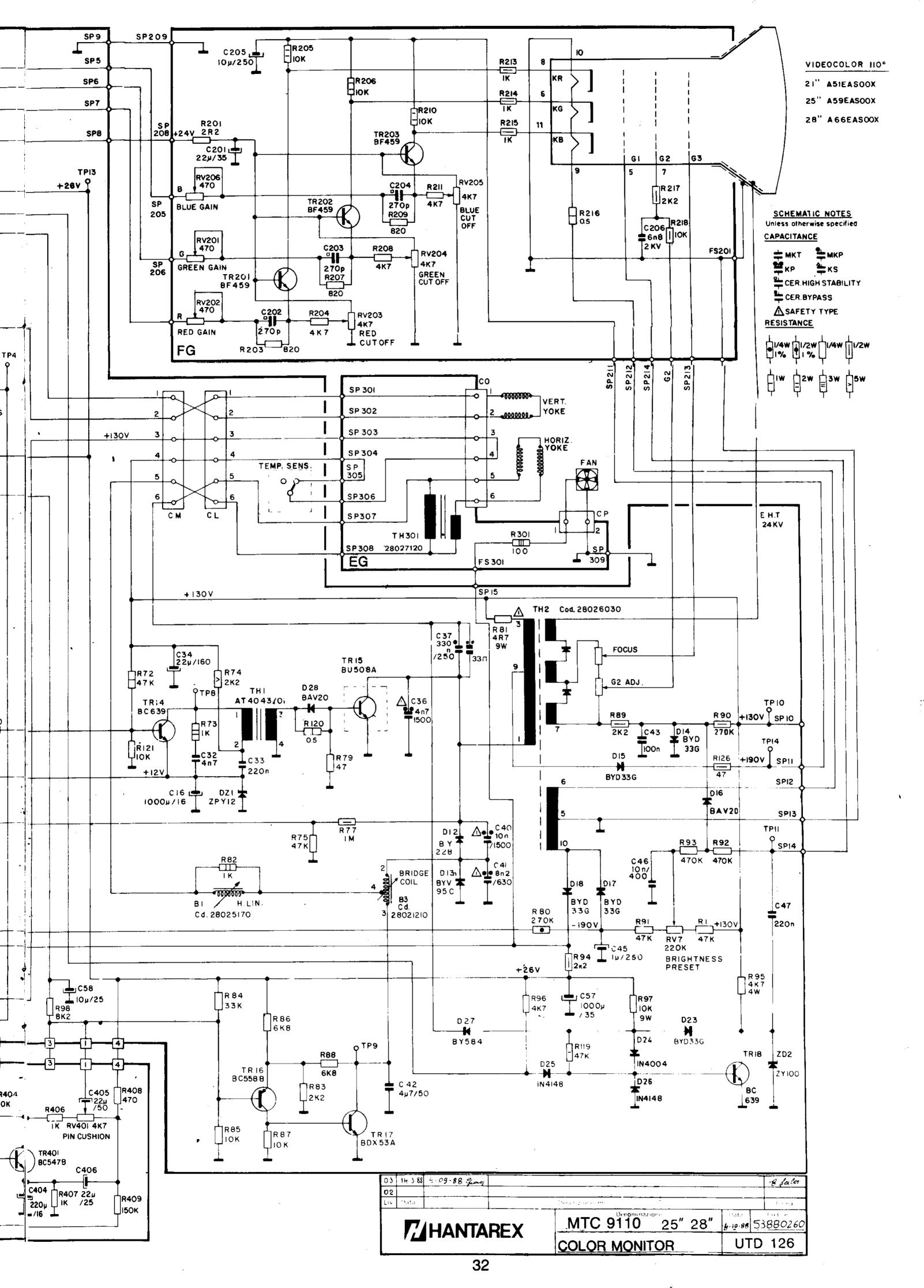
C.R.T. AS CODE	SEMBLY 25" 110° DESCRIPTION		Q.TY
20830310 43000030 50420070 61007470 50420080	C.R.T. 25" VIDEOCOLOR A59EAS00X01 SPRING, C.R.T. EARTHING UTH 634 COIL MOUNTING 20-0539-1150 GROUNDING BRAIDED WIRE ASSY 25" U COIL SUPPORT 20-0791-1150	1 2 2 1 4	
C.R.T. AS	SEMBLY 28" 110° DESCRIPTION		Q.TY
20830300 43000030 50420070 61007570 50420080	C.R.T. 28" S.R. VIDEOCOLOR A66EAS00X SPRING, C.R.T. EARTHING UTH 634 COIL MOUNTING 20-0539-1150 C.R.T. EARTHING CABLE 28" UTC 800 COIL SUPPORT 20-0791-1150	01	1 2 2 1 4
YOKE WIF	RING ASSEMBLY 25'' 28'' DESCRIPTION		code 61001070 Q.TY
34020002 34023406	AMP. FEMALE LUGS 280702/1 AMP. CONNECTOR 6 FEM. 280592		6 1
DEGAUSS	SING COIL ASSY 25"		code 61007430
DEGAUSS	SING COIL ASSY 28''		code 61007560
C.R.T. MA	INFRAME ASSY 25" 110° DESCRIPTION		Q.TY
40213507 40942095 40963120 42000010 50118790 50118800 50118810 50118820 50118830	SCREW M 4×7 036192 SELF TAPPING-SCREW 4.2×9.5 SELF TAPPING-SCREW 6.3×20 AB ZN WASHER UNI 6593-69 D18 d6.6 SP2 LEFT LEG 25'' UTH 2885 RIGHT LEG 25'' UTH 2886 BASE PLATE 25'' UTH 2887 UPPER CROSS MEMBER 25'' UTH 2888 C.R.T. NECK REINFORCING FRAME 25'' U	TH 2889	6 8 4 1 1 1
C.R.T. MA	INFRAME ASSY 28" 110° DESCRIPTION		Q.TY
40213507 40942095 40963120 42000010 50118740 50118750 50118760 50118770 50118780	SCREW M 4×7 036192 SELF TAPPING-SCREW 4.2×9.5 SELF TAPPING-SCREW 6.3×20 AB ZN WASHER UNI 6593-69 D18 d.6.6 SP2 LEFT LEG 28'' UTH 2880 RIGHT LEG 28'' UTH 2881 BASE PLATE 28'' UTH 2882 C.R.T. NECK REINFORCING FRAME 28'' U UPPER CROSS MEMBER 28'' UTH 2884	TH 2883	6 8 4 1 1 1 1
PACKING A	ASSEMBLY 25" 110° DESCRIPTION		Q.TY
52826440 52826450 52826460	SIDE PACKING BOARD 25" UTH 2903 BASE PLATE 25" UTH 2904 PACKING BOX 25" UTH 2905		2 2 1
PACKING A	ASSEMBLY 28" 110° DESCRIPTION		Q.TY
52826470 52826480 52826490	SIDE PACKING BOARD 28" UTH 2906 BASE PLATE 28" UTH 2907 PACKING BOX 28" UTH 2908		2 2 1
EAST-WES	ST P.C.B. ASSEMBLY 25" 28" DESCRIPTION	REF. No.	code 62010220 Q.TY
23044710 34075085 50423440 21234700 21241000 21251000 21254700 21261500 50144820 20400429 24332209 24422209 24522209 25161509 25262209	SEALED TRIMMER 4.7K HORIZ.REG.PT10NV 5 WAY FEMALE CONN.PRESSAC.UTH 1860 HEXAGONAL SHAFT PHILIPS 822241771060 CARBON RESISTOR 470E 5% 1/4 W CARBON RESISTOR 1K 5% 1/4 W CARBON RESISTOR 10K 5% 1/4 W CARBON RESISTOR 10K 5% 1/4 W CARBON RESISTOR 100K 5% 1/4 W CARBON RESISTOR 150K 5% 1/4 W CARBON RESISTOR 150K 5% 1/4 W EAST-WEST P.C.B. KK02 TRANSISTOR BC 547 B RADIAL ELECT. CAP. 22MF 25V RADIAL ELECT. CAP. 22MF 25V FILM CAPACITOR 1.85 150NF 63V 10% FILM CAPACITOR 1.85 220NF 100V 10%	RV 401 C1 R 408 R 407-406 R 404 R 402-403 R 401 R 409 TR 401 C 404 C 406 C 405 C 403 C 401-402	1 1 1 2 1 2 1 1 1 1 1 1 1

code 62010080 Q.TY	VENTILATOR ASSEMBLY ALI 1338 UTS 75 CODE DESCRIPTION		
1 1 2	0630 VENTILATOR TD80A4H SINWAN 1242 PRESSACO CONN. FEMALE (RED) 12/6232 1250 PRESSACO LUG 11/6666		
code 62010200 Q.TY	8'' 110° REF. No.	CE ADAPTOR P.C.B. ASSEMBLY 25'' 2 DESCRIPTION	IMPEDANO CODE
· -			
1	R 301	METAL LAYER RES. 100E 3W DEFL. YOKE MATCHING TRANSFORMER	21631000 28027120
1	R 301 TH 301	DEFL. YOKE MATCHING TRANSFORMER UTF 113	28027120
1 1 2 1	TH 301 FS 301	DEFL. YOKE MATCHING TRANSFORMER UTF 113 SOAPSTONE INSULATORS 8 M.M. FASTON LUG M. FACO TE 115 2.8×0.8	28027120 29300010 34010061
1 2 1 1 1	TH 301	DEFL. YOKE MATCHING TRANSFORMER UTF 113 SOAPSTONE INSULATORS 8 M.M. FASTON LUG M. FACO TE 115 2.8 × 0.8 AMP. CONN. M1 6 D 280611/1	28027120 29300010
1 1 2 1 1 1	TH 301 FS 301 CO	DEFL. YOKE MATCHING TRANSFORMER UTF 113 SOAPSTONE INSULATORS 8 M.M. FASTON LUG M. FACO TE 115 2.8 × 0.8 AMP. CONN. M1 6 D 280611/1 2 WAY CONN. PRESSACO (RED) M. 253562 IMPEDANCE ADAPTOR P.C.B. 25" EG 03	28027120 29300010 34010061 34023356 34074232 50146470
1 2 1 1 1 1	TH 301 FS 301 CO	DEFL. YOKE MATCHING TRANSFORMER UTF 113 SOAPSTONE INSULATORS 8 M.M. FASTON LUG M. FACO TE 115 2.8 × 0.8 AMP. CONN. M1 6 D 280611/1 2 WAY CONN. PRESSACO (RED) M. 253562	28027120 29300010 34010061 34023356 34074232

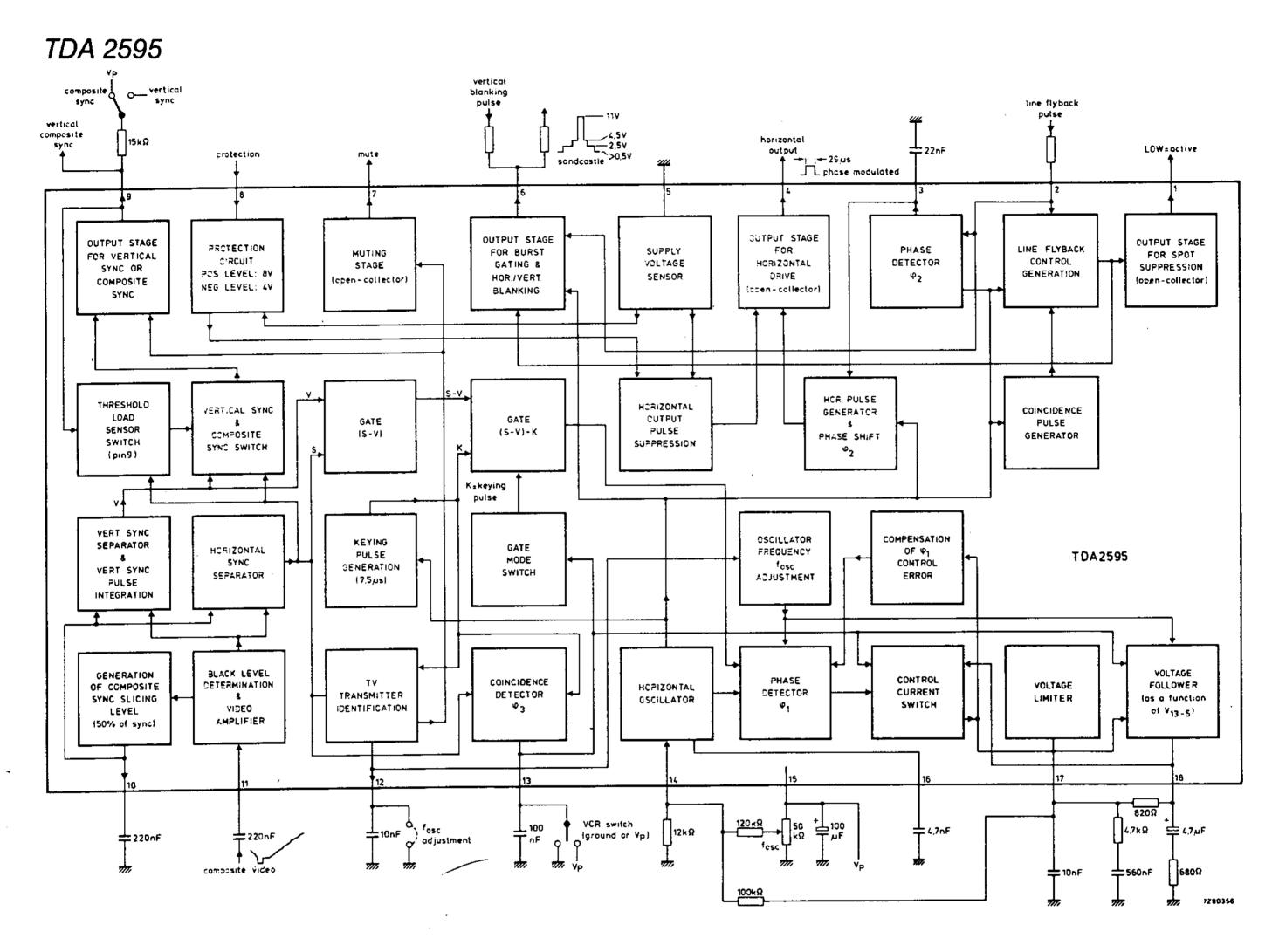
LEGEND

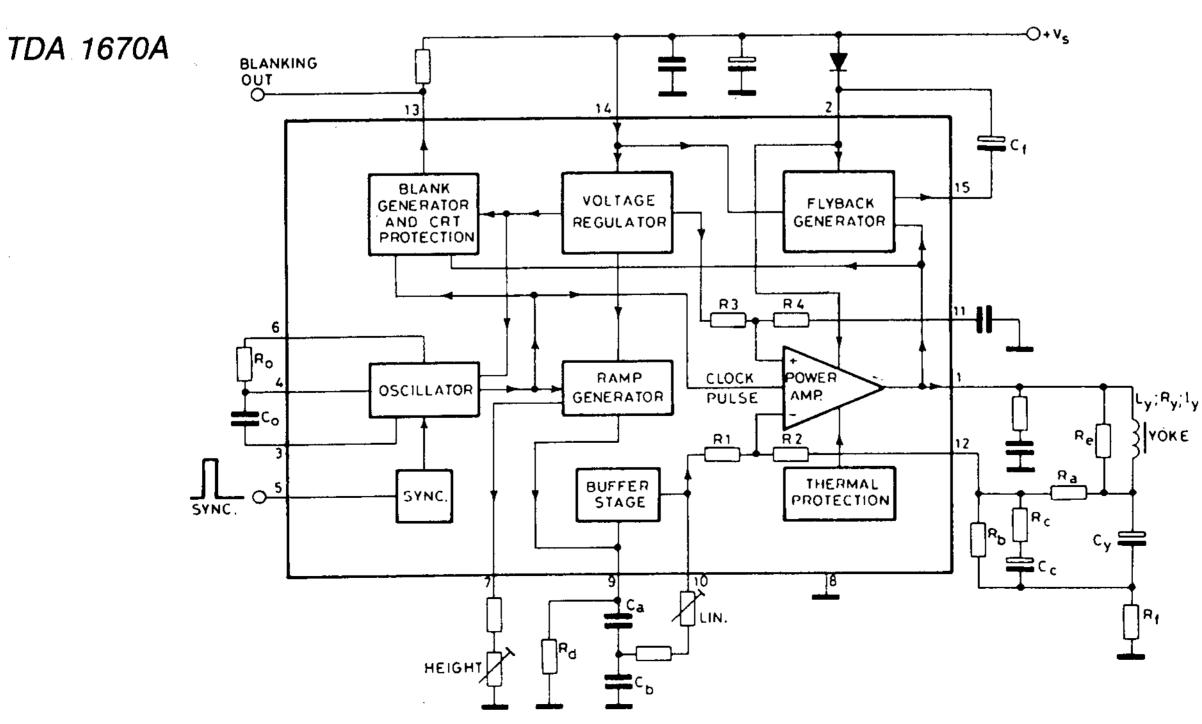
FILM CAPACITOR = CAPACITOR, POLYSTYRENE = CAPACITOR, METALLIZED POLYESTER FILM CAPACITOR 1.60 FILM CAPACITOR 1.76 = CAPACITOR, DOUBLE-METALLIZED POLYPROPOLENE FILM CAPACITOR 1.73 = CAPACITOR, METALLIZED POLYPROPOLENE FILM CAPACITOR 1.58X = CAPACITOR, POLYESTER FILM CAPACITOR 1.85 = CAPACITOR, METALLIZED POLYESTER FILM CAPACITOR 22.365 = CAPACITOR, POLYESTER RADIAL ELECT. CAPACITOR = CAPACITOR, RADIAL ELECTROLYTIC CER.CAP. = CAPACITOR, CERAMIC



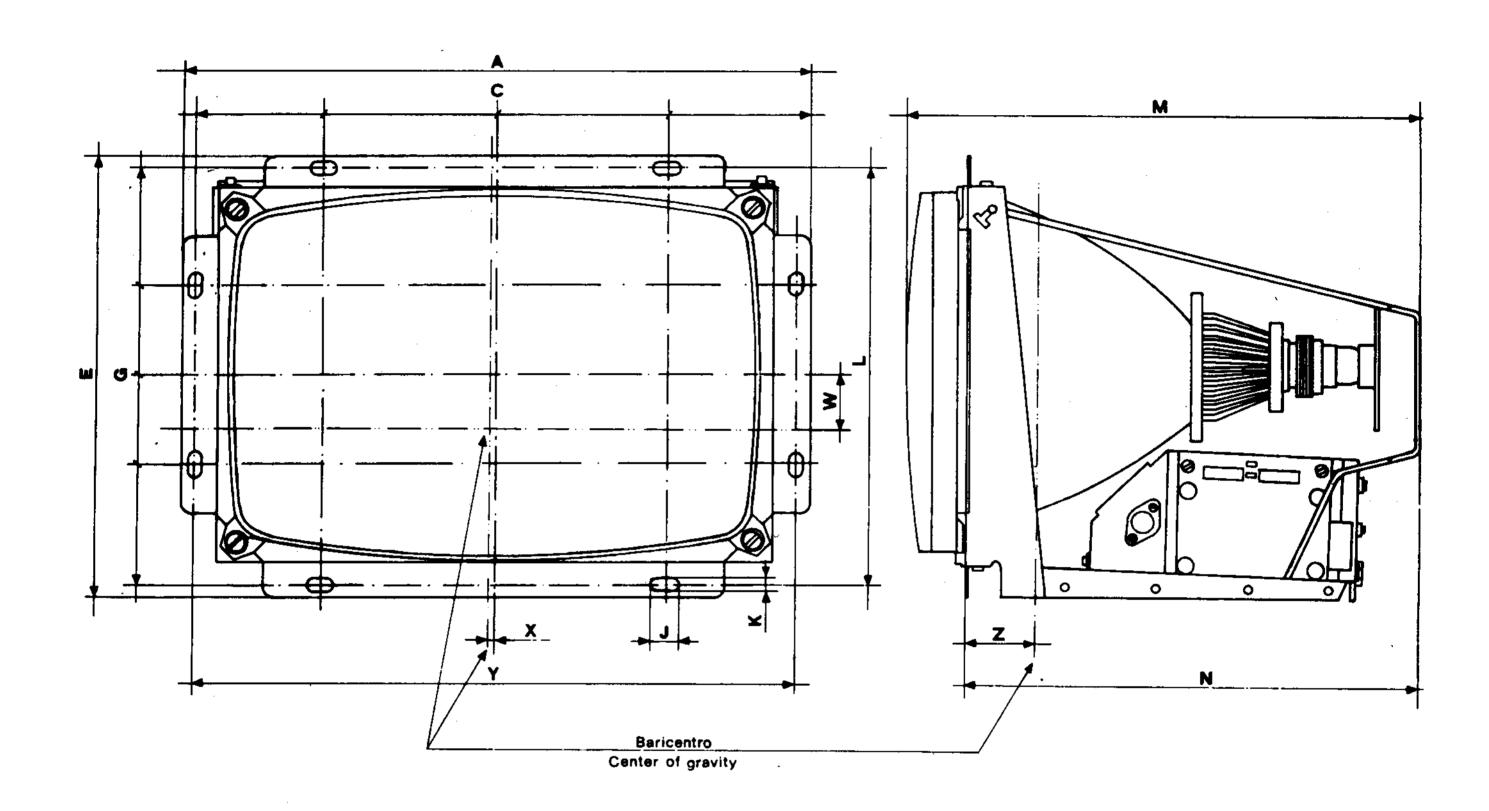


- DIAGRAMMA A BLOCCHI PER CIRCUITO INTEGRATO TDA 2595 E TDA 1670A
- BLOCK DIAGRAM FOR INTEGRATED CIRCUITS TDA 2595 AND TDA 1670A
- BLOCKSCHALTBILD FÜR TDA 2595 UND TDA 1670A
- DIAGRAMA DE BLOQUES DEL CIRCUITO INTEGRADO TDA 2595 E TDA 1670A
- DIAGRAMME FONCTIONNEL POUR CIRCUITS IMPRIMES TDA 2595 ET TDA 1670A



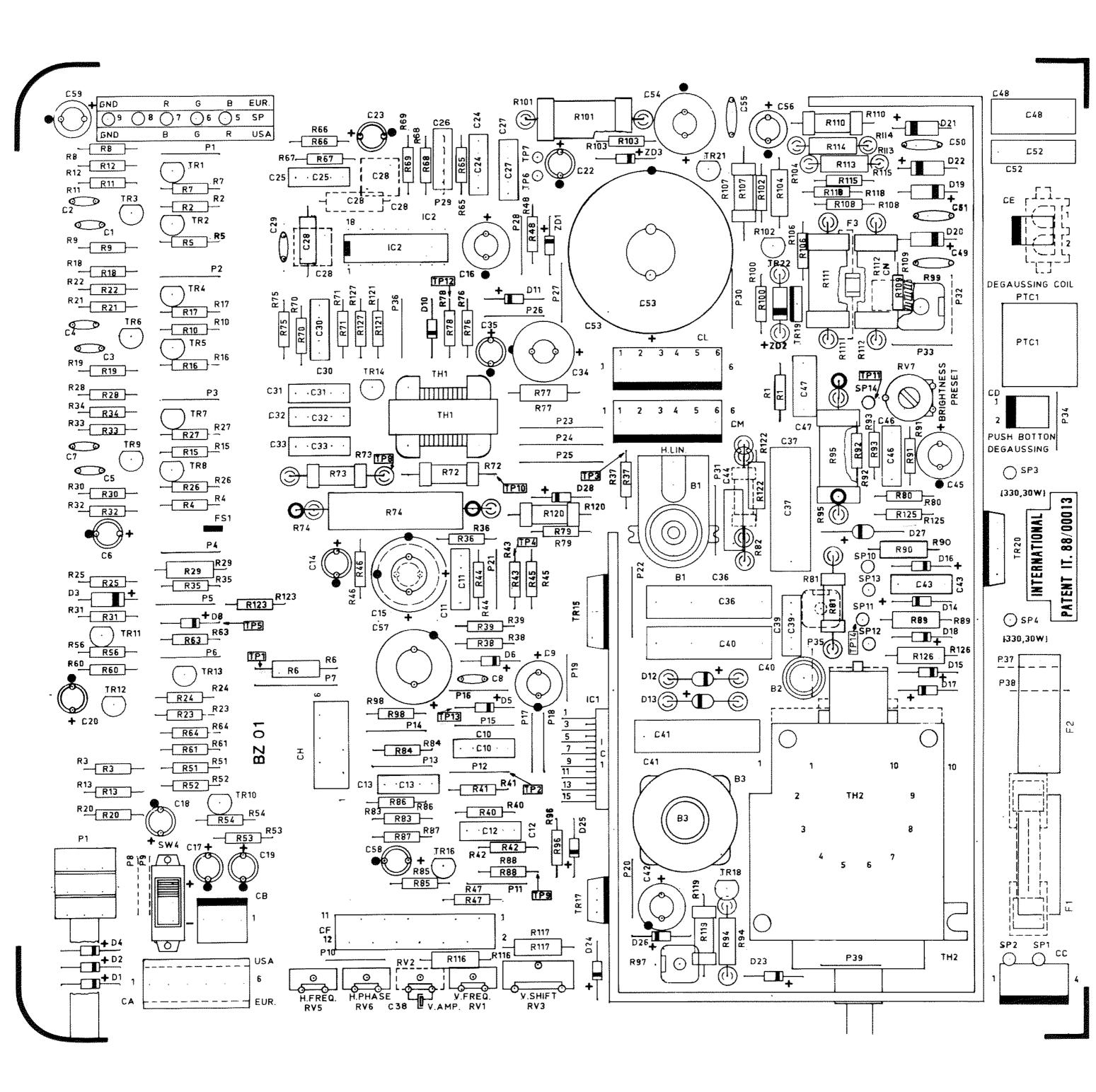


- DATI MECCANICI
- MECHANICAL DATA
- MECHANISCHE ANGABEN
- DATOS MECANICOSDONNEES MECANIQUES

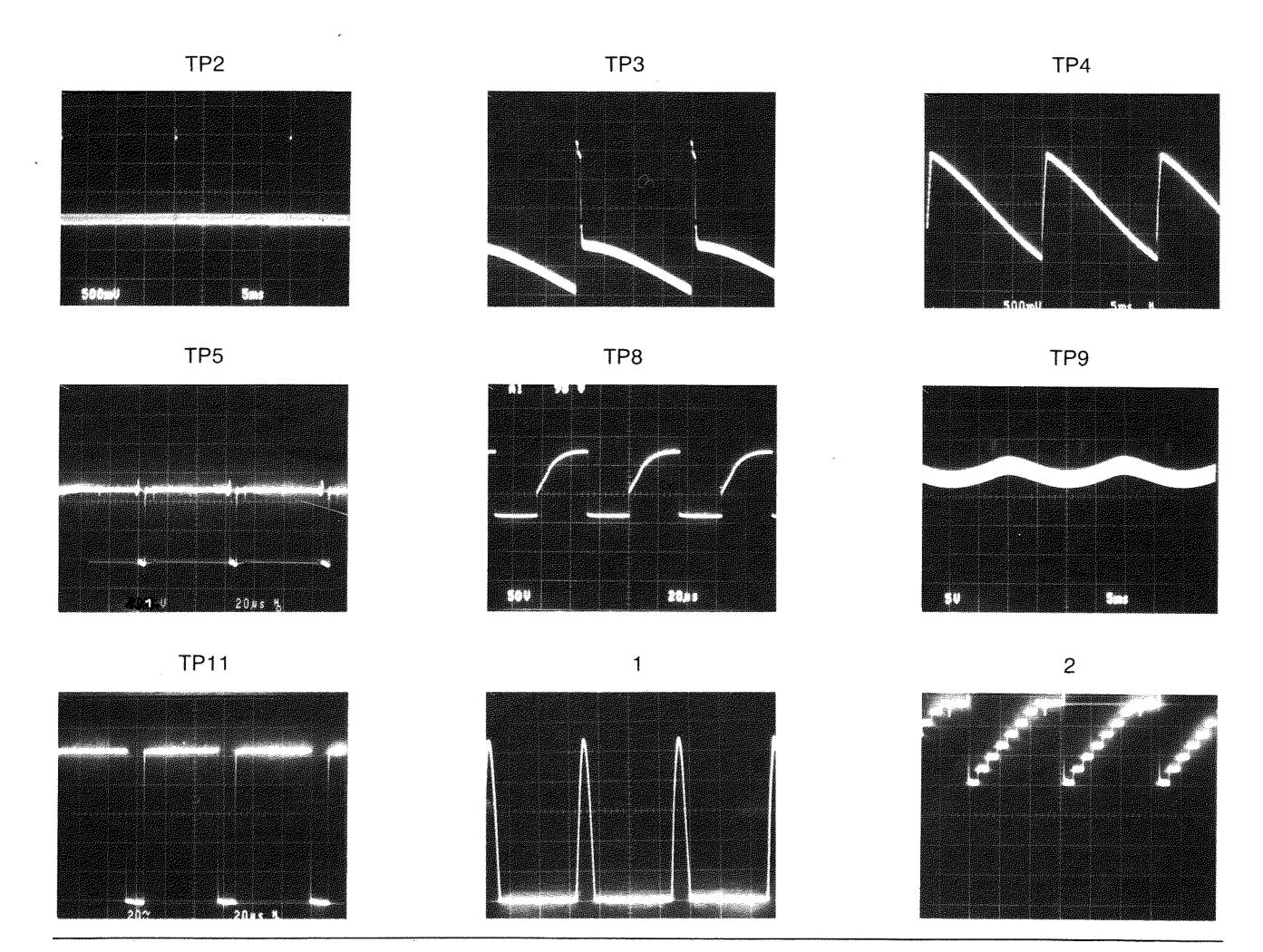


DIM.	Α	E	G	М	Υ
25'' mm	592	480	460	500	572
28'' mm	654	528	508	535	634
25" IN.	23.307	18.898	18.110	19.685	22.520
28" IN.	25.748	20.787	20.000	21.063	24.961

- CIRCUITO STAMPATO CON I PUNTI DI TARATURA, TENSIONI E FORME D'ONDA
- PRINTED CIRCUIT BOARD SHOWING TEST POINTS, VOLTAGES AND WAVEFORMS
- HAUPTLEITERPLATINE MIT TEST-PUNKTEN, SOLLSPANNUNGEN UND OSZILLATORDIAGRAMMEN
- CIRCUITO IMPRESO CON EL PUNTO DE MEDIDA, TENSION Y FORMA DE ONDA
- CIRCUIT IMPRIME ET POINT DE REGLAGE, TENSION ET FORME D'ONDE



- T.P. DI CONTROLLO E FORME D'ONDA
- CONTROL TEST POINTS AND WAVEFORMS
- TEST-PUNKTE UND OSZILLATORDIAGRAMME
- PUNTO DE PRUEBA PARA CONTROL Y FORMA DE ONDA
- POINTS DE TEST DE CONTROLE ET FORME D'ONDE



FORME D'ONDA WAVEFORMS

- T.P.2 Sincronismo verticale Vertical sync.
- T.P.3 Pilotaggio deflessione verticale Vertical drive
- T.P.4 Segnale di reazione deflessione verticale Vertical feedback
- T.P.5 Sincronismo composito Composite sync.
- T.P.8 Pilotaggio per transistors finale di riga Horizontal drive
- T.P.9 Correzione est/ovest con modulo KK inserito East/west correction with module KK inserted
- T.P.11 Spegnimento orizzontale e verticale Horizontal and vertical blanking
- 1. Impulso del collettore BU 508

 Pulse at collector of BU 508
- 2. Segnale sui catodi finale video RVB Signal at cathodes of RGB video output

TENSIONI SUPPLIES

- T.P.1 24/25 V.d.c. Alimentazione amplificatore video 24/25 V.d.c. Video amplifier supply
- T.P.10 130 V.d.c. ± 2% Alimentazione stabilizzata 130 V.d.c. ± 2% Stabilized supply
- T.P.12 12 V.d.c. Alimentazione sincronismo e oscillatore orizzontale (TDA 2595)

 12 V.d.c. Horizontal sync. and oscillator supply (TDA 2595)
- T.P.13 25/26 V.d.c. Alimentazione verticale 25/26 V.d.c. Vertical supply
- T.P.14 200/210 Alimentazione finale video 200/210 V.d.c. Video output supply

- DIAGRAMMA DELLE CONNESSIONI E REGOLAZIONI DEI TRIMMER
- CONNEXIONS DIAGRAM AND PRE-SET ADJUSTMENTS
- ANSCHLUBPLAN UND JUSTAGE ELEMENTE
- ESQUEMA DEL CONEXIONADO Y REGULACION DE LOS POTENCIOMETROS
- SCHEMA DE CONNEXION ET REGULATION DES TRIMMERS
- 1) FASCIA DI SMAGNETIZZAZIONE
- DEGAUSSING COIL
- BOBINA DESMAGNETIZADORA
- ENTMAGNETISIERUNGSSPULE
- BOBINE DE DEMAGNETISATION
- 2) GIOGO ORIZZONTALE
- HORIZONTAL YOKE
- BOBINA DEFLECTORA HORIZONTAL
- HORIZONTALE ABLENKSPULE
- BOBINE DE DEFLEXIÓN HORIZONTALE
- 3) GIOGO VERTICALE
- VERTICAL YOKE
- BOBINA DEFLECTORA VERTICAL
- VERTIKALE ABLENKSPULE
- BOBINE DE DEFLEXION VERTICALE
- 4) GUADAGNO ROSSO
- RED GAIN
- GANANCIA ROJO
- ROT-VERSTÄRKUNGS-REGLER
- GAIN ROUGE
- 5) INTERDIZIONE VERDE
- GREEN CUT-OFF
- VERDE CUT-OFF
- SCHWARZWERT FÜR GRÜN
- SUPPRESSION VERT
- 6) INTERDIZIONE ROSSO
- RED CUT-OFF
- ROJO CUT-OFF
- SCHWARZWERT FÜR ROT
- SUPPRESSION ROUGE
- 7) INTERDIZIONE BLU
- BLUE CUT-OFF
- AZUL CUT-OFFSCHWARZWERT FÜR BLAU
- SUPPRESSION BLEU
- 8) GUADAGNO BLU
- BLUE GAIN
- GANANCIA AZUL
- BLAU-VERSTÄRKUNGS- REGLER
- GAIN BLEU
- 9) G2
- SCREEN
- PANTALLA
- SCHIRMGITTER-REGLER
- ECRAN
- 10) FUOCO
- FOCUSFOCO
- FOCUS
- FOCALISATION
- 11) MASSA CINESCOPIO
- GND PICTURE TUBE
- MASA DEL TUBO
- BILDRÖHRENMASSE
- MASSE DU TUBE
- 12) GUADAGNO VERDE
- GREEN GAIN
- GANANCIA VERDE— GRÜN-VERSTÄRKUNGS-REGLER
- GAIN VERT

- 16) BOBINA PONTE
- BRIDGE COIL
- BOBINA PUENTE
- BRÜCKE
- BOBINE PONT
- 17) MODULO CG COMANDI E REGOLAZ.
- ADJUSTING MODULE
- MODULO CG REGULACION
- EINSTELL-EINHEIT
- MODULE DE REGLAGE

18) FREQUENZA VERTICALE

- VERTICAL HOLD
- FRECUENCIA VERTICAL
- VERTIKALE FREQUENZ
- FREQUENCE VERTICALE

19) AMPIEZZA ORIZZONTALE

- HORIZONTAL WIDTH
- AMPLITUD HORIZONTAL
- HORIZONTALE AMPLITUDE
- AMPLITUDE HORIZONTALE

20) AMPIEZZA VERTICALE

- VERTICAL HEIGHT
- AMPLITUD VERTICAL
- VERTIKALE HÖHE
- AMPLITUDE VERTICALE

21) FASE VERTICALE

- VERTICAL SHIFT
- FASE VERTICAL
- VERTIKALE VERSCHIEBUNG
- PHASE VERTICALE

22) FASE ORIZZONTALE

- HORIZONTAL SHIFT
- FASE HORIZONTAL
- HORIZONTALE VERSCHIEBUNG
- PHASE HORIZONTALE

23) FREQUENZA ORIZZONTALE

- HORIZONTAL HOLD
- FRECUENCIA HORIZONTAL
- -- HORIZONTALE FREQUENZ
- FREQUENCE HORIZONTALE

24) INGRESSO VIDEO/SINCRONISMI

- VIDEO/SYNC. INPUT
- ENTRADA VIDEO/SINC.
- VIDEO UND SYNCHRONISATIONS EINGANG
 ENTREE SYNCHRO, VIDEO
- ENTREE SYNCHRO. VIDEO

25)CONTRASTO

- CONTRAST
- CONTRASTE
- KONTRASTCONTRASTE
- CONTRASTE
- 26) COMMUTATORE PER SINC. POS/NEG.
- SYNC. POLARITY SWITCH
- CONMUTADOR SINCRONISMOS/NEG.
- SYNCHRONISATIONS UMSCHALTER POS./NEG
 COMMUTATEUR POUR SYNCHRO. POS/NEG

27) REGOLAZIONE EST/OVEST

- PINCUSCHION ADJUSTMENT
- REGULACION ESTE/OESTE
- OST/WEST-REGLER
- REGLAGE DROITE/GAUCHE

13) INGRESSO ALIMENTAZIONE

- POWER SUPPLY
- FUENTE ALIMENTACION
- NETZTEIL
- ENTREE ALIMENTATION

14) REGOLAZIONE FUOCO

- FOCUS ADJUSTMENT
- AJUSTE FOCO
- FOCUS-REGLER
- REGLAGE FOCALISATION

15) REGOLAZIONE LUMINOSITÀ

- BRIGHTNESS ADJUSTMENT
- REGULACION BRILLO
- HELLIGKEITS-REGLER
- REGLAGE LUMINOSITE

28) MODULO KK CORREZIONE EST/OVEST

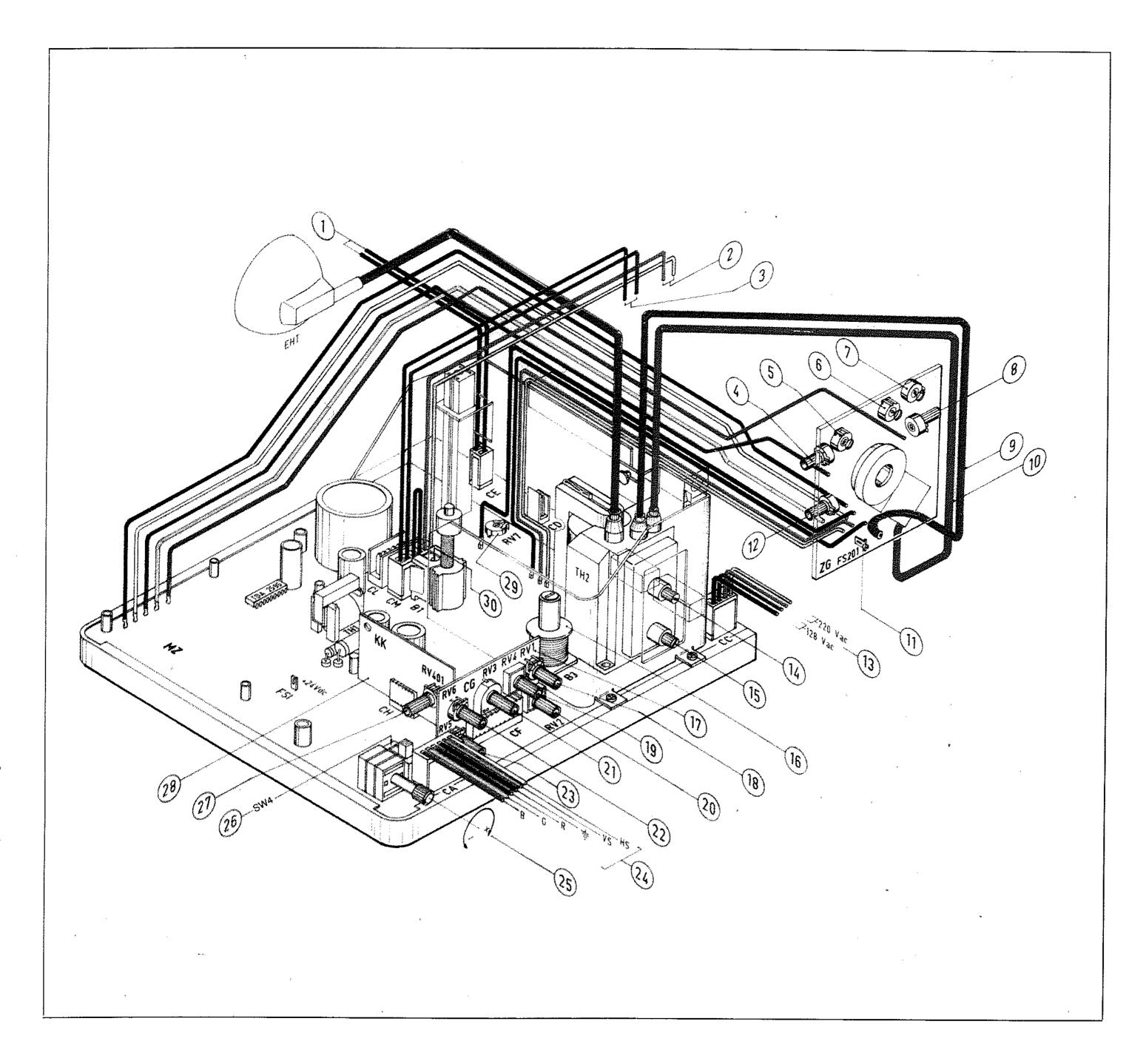
- KK PINCUSCHION MODULE
- MODULO KK CORRECCION ESTE/OESTE
- OST/WEST MODUL
- MODULE KK DE CORRECTION DROITE/GAUCHE

29) PRESELETTORE LUMINOSITÀ

- BRIGHTNESS PRESET
- PREREGULACION BRILLO
- HELLIGKEITSREGLER
- PRE-SELECTION LUMINOSITE

30) LINEARITÀ ORIZZONTALE

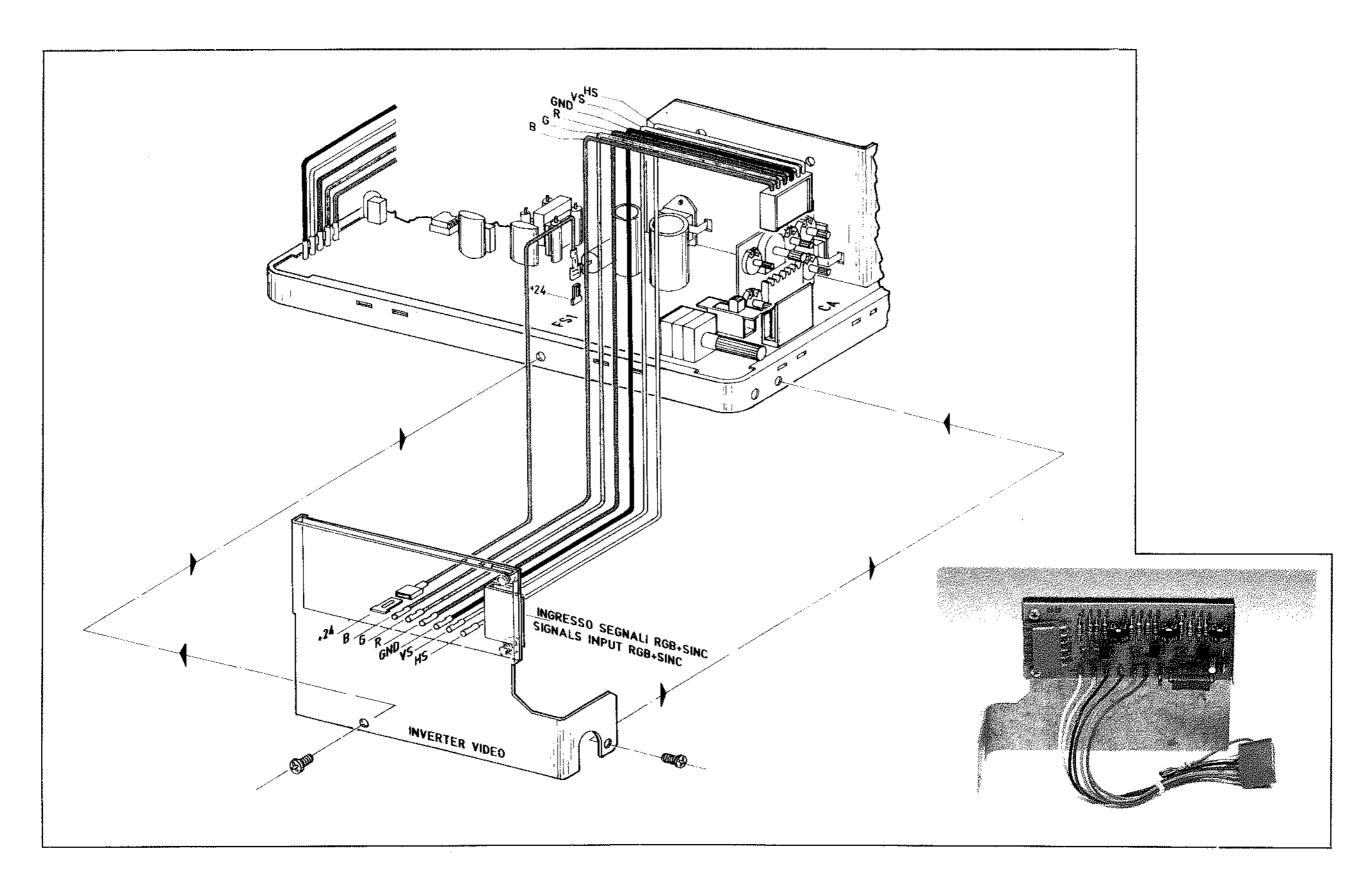
- HORIZONTAL LINEAR.
- LINEALIDAD HORIZONTAL
- HORIZONTALE LINEARITÄTSEINSTELLUNG
- LINEARITE HORIZONTALE

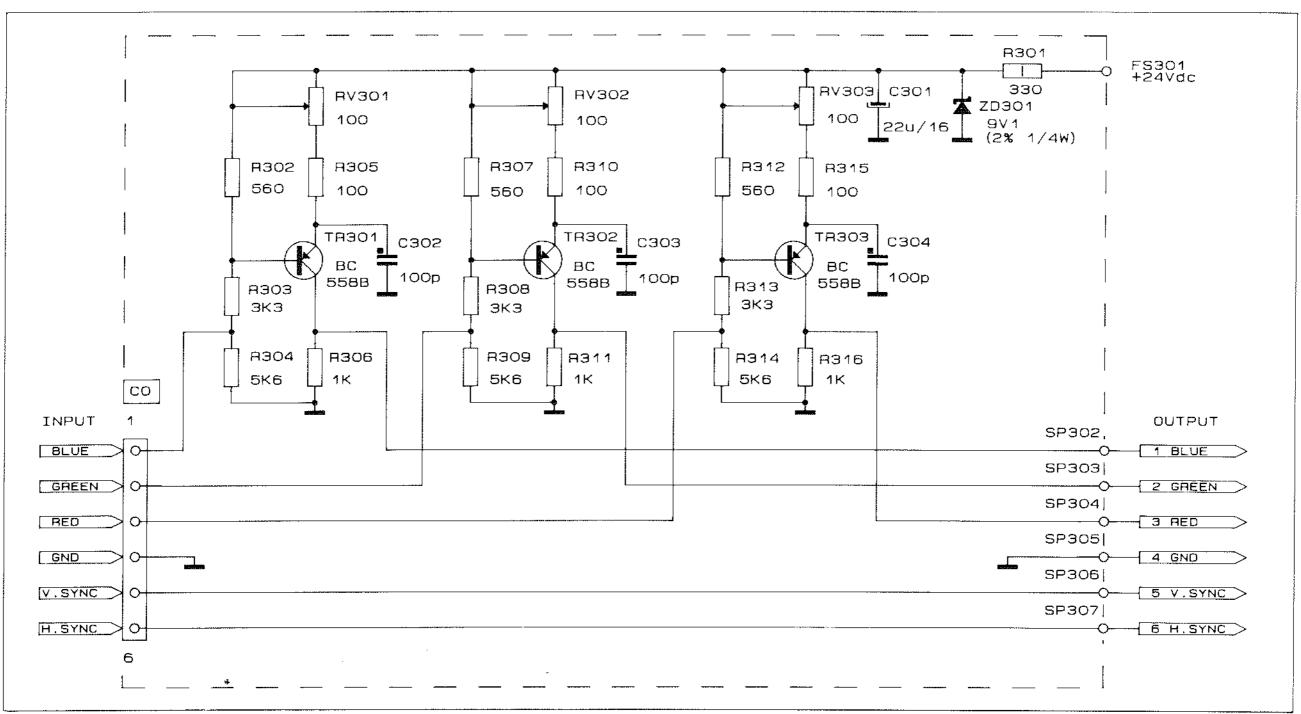


INVERTER VIDEO

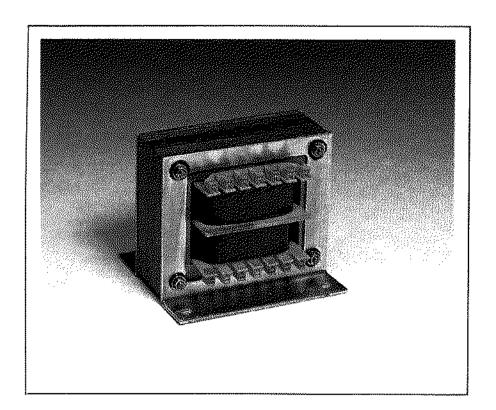
Per permettere l'adattamento di logiche con segnale video negato al monitor MTC9110, l'HANTAREX ha studiato una scheda d'interfaccia applicabile direttamente sulla centina metallica dell'elettronica. La scheda è fornita delle istruzioni di montaggio, delle connessioni elettriche e dello schema. Per la richiesta fare riferimento al cod. 63000160 scheda «INVERTER-VIDEO».

To enable the MTC 9110 to be used with negative going input signals, HANTAREX has designed an interface board which mounts directly into the framework of the monitor. The board is supplied complete with circuit diagram, mounting instructions and connexions to the monitor. To order, quote part no. 63000160 Inverter Video.

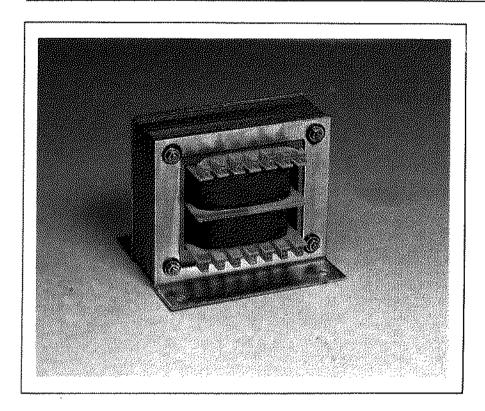




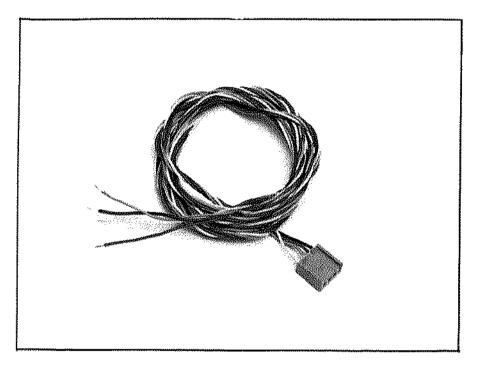
ACCESSORI ACCESSOIRES ZUBEHÖR ACCESORIOS ACCESSORIES



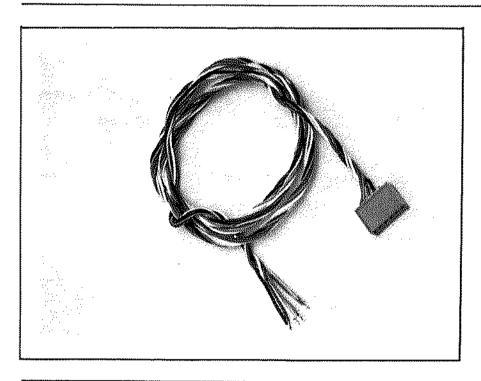
- Trasformatore di alimentazione monitor MTC9110 220/240 Vac / 128 Vac 150 W. (Per richiesta cod. 28070460).
- Isolating transformer for supplying monitor MTC9110 220/240 V a.c. / 128 V a.c. 150 W. To order, quote: cod. 28070460.
- Trenntransformator für die Stromversorgung des Monitors MTC9110 mit 220/240 V Eingang, 128 V / 150 W Ausgang. Bestell-Nr. 28070460.
- Transformador de alimentación monitor MTC9110 220/240 Vac / 128 Vac 150 W. (Para solicitud cod. 28070460).
- Transformateur d'alimentation pour moniteur MTC9110 220/240 V c.a. / 128 V c.a. 150 W. (Code 28070460).



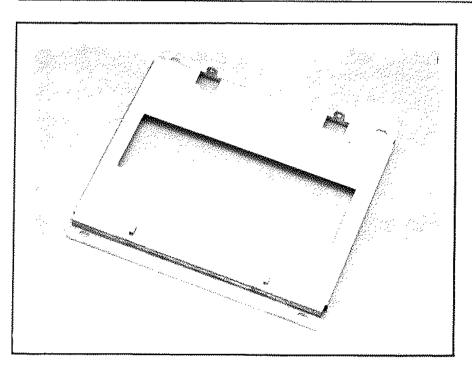
- Trasformatore di alimentazione monitor MTC9110 120/128 Vac 150 W. (Per richiesta cod. 28070440).
- Isolating transformer for supplying monitor MTC9110 120/128 V a.c. / 150 W. To order, quote: cod. 28070440.
- Trenntransformator f
 ür die Stromversorgung des Monitors MTC9110 mit 120/128 V Eingang, 128 V / 150 W Ausgang. Bestell-Nr. 28070440.
- Transformador de alimentación monitor MTC9110 120/128 Vac 150 W. (Para solicitud cod. 28070440).
- Transformateur d'alimentation pour moniteur MTC9110 120/128 V c.a. 150 W. (Code 28070440).



- Cablaggio ingresso alimentazione. Viene fornito unitamente al monitor. (Per ricambistica cod. 61000120).
- Input Power Lead. Supplied with each monitor. Spare part no. cod. 61000120.
- Verbindungskabel für Stromversorgung mit Anschlußstecker für Monitor MTC9110. Bestell-Nr. 61000120.
- Cable de entrada de alimentación. Viene incluido con el monitor. (Para recambio cod. 61000120).
- Câblage d'éntrée d'alimentation. Il est fourni avec le moniteur. (Pour pièces de rechange code 61000120).

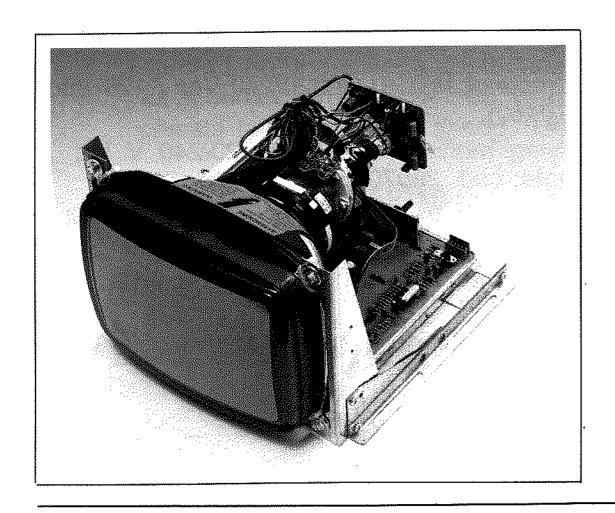


- Cablaggio ingresso segnali. Viene fornito unitamente al monitor. (Per ricambistica cod. 61000140).
- Input Signal Lead. Supplied with each monitor. Spare part no. cod. 61000140.
- Verbindungskabel RGB Signal mit Anschlußstecker für Monitor MTC9110. Bestell-Nr. 61000140.
- Cable de entrada de senales. Viene incluido con el monitor. (Para recambio cod. 61000140).
- Câblage d'éntrée des signaux. Il est fourni avec le moniteur. (Pour pièces de rechange code 61000140).



- Supporto metallico per MTC9110 per fissare l'elettronica al mobile nel caso debba essere disassemblata dal cinescopio. (Per richiesta cod. 50113370).
- Metal support for fixing electronic chassis to a case when the chassis is to be separated from the c.r.t. To order, quote cod. 50113370.
- Metallrahmen für MTC9110 zur Aufnahme von Chassis und der Bildröhre. Bestell-Nr. 50113370.
- Soporte metalico para el MTC9110 para fijar el circuito impreso al mueble, en el caso en que deba ser descollado del TRC. (Para solicitud cod. 50113370).
- Support metallique pour MTC9110 pour fixer l'electronique sur le meuble dans cas où elle devrait être desassemblée du tube image. (Code 50113370).

PRODOTTI COMPLEMENTARI - COMPLEMENTARY PRODUCTS



Monitor MTC9000 10" COD. 02191552

Video R.V.B. positivo analogico, sincronismi compositi,

separati, negati o positivi. Alimentazione: 128 Vac - 70 W.

Dimensioni: L \times H \times P mm 297 \times 250 \times 307.

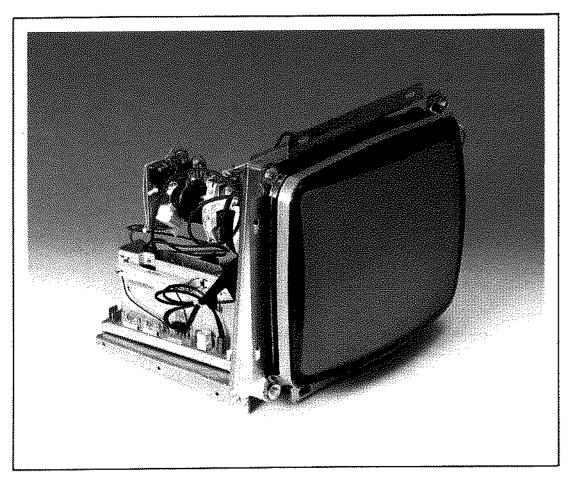
Monitor MTC9000 10" COD. 02191552

Video RGB, positive analogue, composite or separate sync.,

negative or positive.

Power: 128 V a.c., 70 W.

Dimensions: L \times W \times D: 297 \times 250 \times 307 mm.



Monitor MTC9000 14" 90° COD. 02191535

Video R.V.B. positivo analogico, sincronismi compositi, separati negati o positivi.

Alimentazione 128 Vac - 100 W.

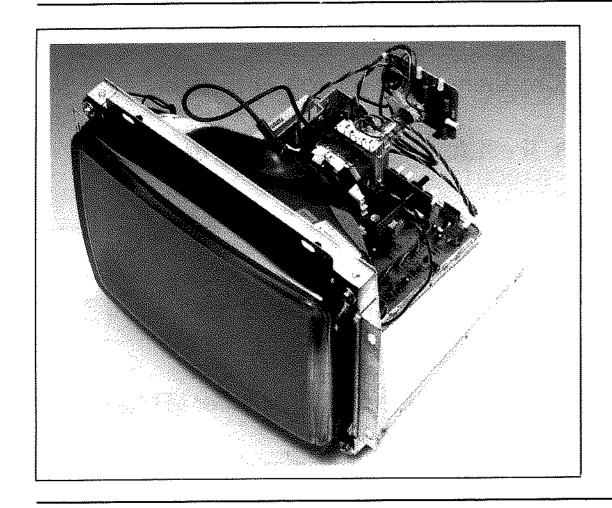
Dimensioni: L×H×P mm 372×312×352.

Monitor MTC9000 14" 90° COD. 02191535

Video RGB, positive analogue, composite or separate sync., negative or positive.

Power 128 Va.c., 100 W.

Dimensions: L \times W \times D: 372 \times 312 \times 352 mm.



Monitor MTC9000 15" F.S. COD. 02191870

Video R.V.B. positivo analogico, sincronismi compositi,

separati, negati o positivi.

Alimentazione: 128 Vac - 100 W. Cinescopio: Flat Full Square MR. Spazio fra le triadi 0,51 mm.

Dimensioni: L×H×P mm $400 \times 330 \times 360$.

Monitor MTC9000 15" F.S. COD. 02191870

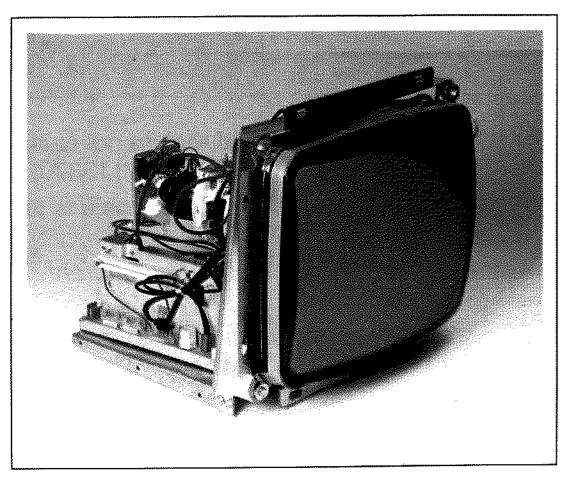
Video RGB, positive analogue, composite or separate sync.,

negative or positive.

Power: 128 V a.c., 100 W.

C.r.t. flat full square MR. Pixel spacing 0.51 mm.

Dimensions: $L \times W \times D$: $400 \times 330 \times 360$ mm.



Monitor MTC9000 16" 90° COD. 02191522

Video R.V.B. positivo analogico, sincronismi compositi,

separati negati o positivi.

Alimentazione 128 Vac - 100 W.

Dimensioni: L×H×P mm $424 \times 340 \times 380$.

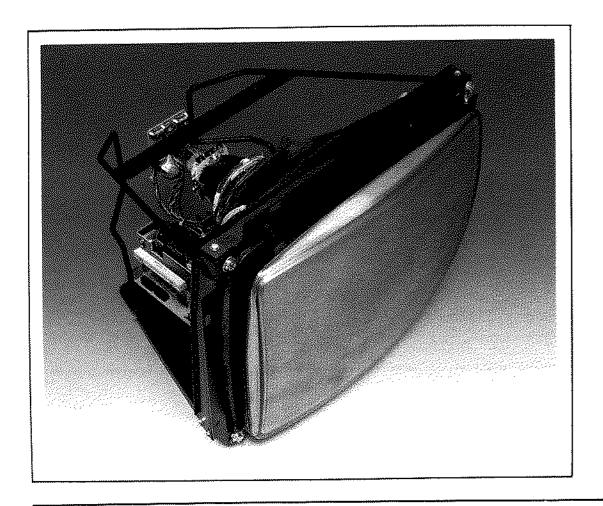
Monitor MTC9000 16" 90° COD. 02191522

Video RGB, positive analogue, composite or separate sync.,

negative or positive.

Power 128 Va.c., 100 W.

Dimensions: L \times W \times D: $424 \times 340 \times 380$ mm.



Monitor MTC9000 20" 90° COD. 02191278

Video R.V.B. positivo analogico, sincronismi compositi,

separati, negati o positivi.

Alimentazione: 128 Vac - 100 W.

Dimensioni: L×H×P mm $512\times406\times442$.

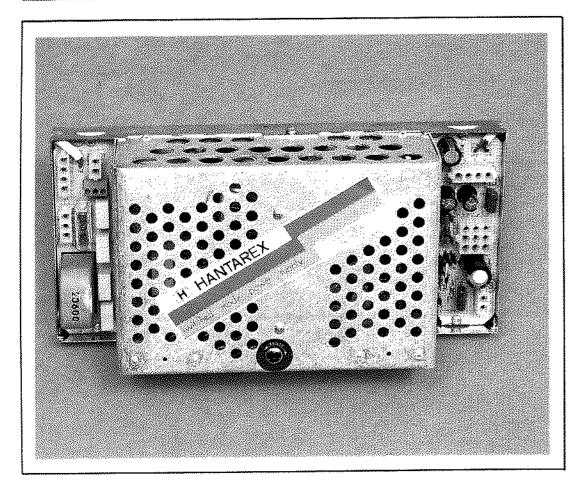
Monitor MTC9000 20" 90° COD. 02191278

Video RGB, positive analogue, composite or separate sync.,

negative or positive.

Power: 128 V a.c., 100 W.

Dimensions: L \times W \times D: 512 \times 406 \times 442 mm.



Alimentatore a commutazione US 250 COD. 63000131

Ingresso rete: 187 ÷ 264 Vac. Alimentazione monitor in d.c.

senza trasformatore di alimentazione. Basse tensioni: 5 Vdc 10A / 12 Vdc 2A /

—5 Vdc 1A / —12 Vdc 1A.

Dimensioni: L×H×P mm $288 \times 156 \times 124$.

Switched Mode Power Supply US 250 COD. 63000131

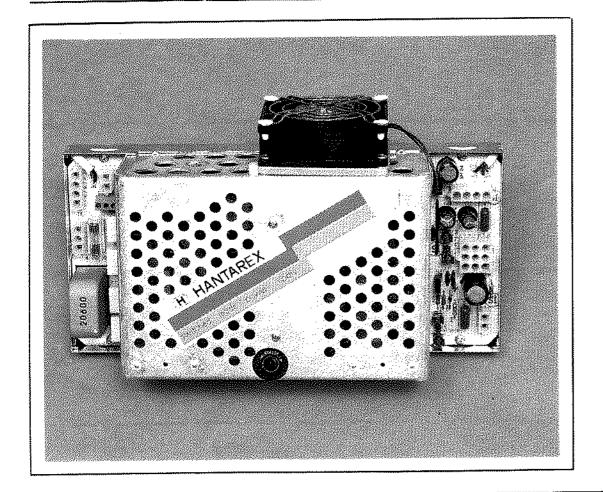
Mains input: 187 ÷ 264 V a.c. Monitor d.c.

supply without mains transformer.

Low tensions: 5 V d.c. 10A. 12 V d.c. 2A.

—5 V d.c. 1A. —12 V d.c. 1A.

Dimensions: L \times W \times D: 288 \times 156 \times 124 mm.



Alimentatore a commutazione US 300 Ventilato COD. 63000081

Ingresso rete: 187 ÷ 264 Vac. Alimentazione monitor in d.c.

senza trasformatore di alimentazione. Basse tensioni: 5 Vdc 15A / 12 Vdc 2A /

—5 Vdc 1A / —12 Vdc 1A.

Dimensioni: L×H×P mm 288×188×124.

Switched Mode Power Supply US 300 ventilated COD. 63000081

Mains input: 187 ÷ 264 V a.c. supply without mains transformer.

Low tensions: 5 V d.c. 15A. 12 V d.c. 2A.

—5 V d.c. 1 A. —12 V d.c. 1A.

Dimensions: L×W×D: 288×188×124 mm.



Generatore di segnali R.V.B. e sincronismi MOD. K 190 G COD. 02190280

Utile per la messa a punto di monitors aventi un ingresso segnali R.V.B.

Commutatori frontali per la selezione delle varie immagini.

RGB Signal Generator with sync. MOD. K 190 G COD. 02190280

Invaluable for setting-up colour monitors with RGB input. Front panel switching for selecting a variety of images.



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