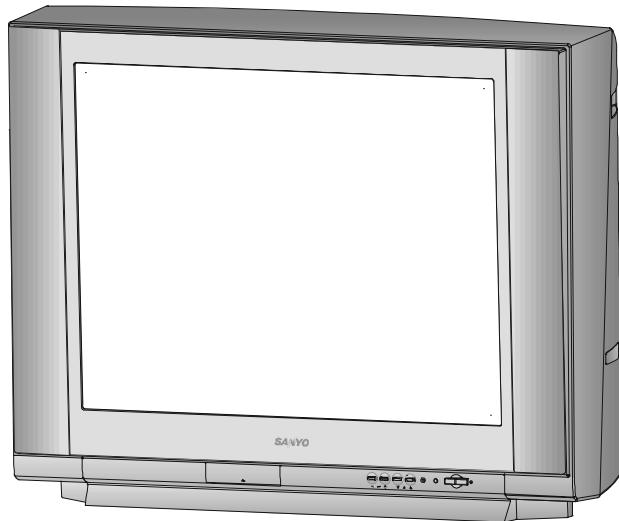


SANYO

Service Manual

Model: **CE29FFV2-F**

Colour Television True Flat



CRT 29" Philips A68ERF012X013
CRT 29" Samsung A68QCP993X001

CHASSIS 2114
EB5-C 21"/25"/28"/29"

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Give complete "SERVICE PART No" for parts order or servicing, it is shown on the rating sheet on the cabinet back of the TV set.

Note

This TV receiver will not work properly in foreign countries where the television transmission system and power source differ from the design specifications. Refer to the specifications for the design specifications.

1. Safety instructions

Read this page before doing any operation of adjustment, maintenance or repair the TV set described.

Only skilled personnel of Sanyo Technical Service should do the adjustment, maintenance or repair of TV set.

2. WARNING

For the correct and safe use of the TV set, it is essential that the service personnel follow the process of safety generally accepted and the safety precautions specified in this manual.

An isolation transformer should be connected in the power line between the receiver and the AC line when a service is performed on the primary side of the converter transformer of the set.

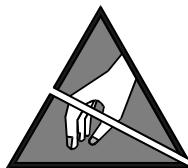
The deflection heat sink is connected to -12V.

3. Precaution against X-Rays

The primary source of X-RADIATION in the television receiver is the picture tube. The picture tube is specially constructed to limit X-RADIATION emissions. For continued X-RADIATION protection, the replacement tube must be the same type as the original including suffix letter. Excessive high voltage may produce potentially hazardous X-RADIATION. To avoid such hazards, the high voltage must be maintained within specified limit. If high voltage exceeds specified limits, take necessary corrective action. Follow the instructions carefully for +B1 volt power supply adjustment, and high voltage adjustment to maintain the high voltage within the specified limits.

COMPLIANCE TO STANDARDS

All of those marked with * or Δ must be
Replaced with original parts



WARNING! This TV set contains components which are particularly sensitive to static electricity (ESD). It is recommended that all due precaution be taken handling integrated circuits and semiconductors.

4. Recommendations to protect our environment

Stand-by mode: In order to save energy and to maintain an optimum picture quality, it is advisable to switch off the TV using the ON/OFF button located at the front of TV set.

Used batteries: The batteries in the remote control of these models do not contain mercury. However, SANYO recommends that you do not dispose of used batteries in domestic refuse. Please, contact your dealer or your local authorities for information regarding the disposal of used batteries or your nearest collection point.

Recommendation about the end-of-life: These SANYO TV sets have been designed and manufactured using high quality materials which can be recycled and reused. In the future, when the life cycle of these sets come to an end, specialised companies can disassemble it and reuse certain materials. This reduces the impact of waste in our environment. Please, contact with your local authorities for information regarding the disposal of your set when the time arrives. Help us to conserve the environment we live in!

5. TECHNICAL CHARACTERISTICS.

Cathode-ray tubes	In-Line, gun Type. Black Matrix. 29" (68 cm) True Flat, Invar Plus mask.
Tuning-system	Voltage synthesis, 100 programs in non-volatile memory, AFT, automatic, semiautomatic and manual channel-search.
Reception channels	Band I, channels 2-4 (VHF)=E2-E4 Cable channels S1-S10 Hyperband channels S21-S41 Band III, channels 5-12 (VHF)=E5-E12 Band IV-V, channels 21-69 (UHF)=E21-E69 B/G, D/K, I, L, L' system
Reception system	PAL, SECAM, (NTSC 4.43, NTSC 3.58) ONLY AV
Colour system	
Program selection	Sequential selection from the controls on the set. Direct selection to any program from the remote-control device.
Audio	Power-rating 2x8,9 W rms. (10% distortion)
Speakers	2 of 8 Ω.
Aerial	External aerial sockets 75 Ωs. IEC
Jack for headphones	Stereo jack 3,5mm. (with independent control)
Clock and alarm Function	
Timer Function	Switch on and off of CTV programmable in real time.
AV connectors	1 Scart connector 21 pin CENELEC standard AV, RGB and S_Video. 1 Scart connector 21 pin CENELEC standard AV, RGB 1 RCA Video input (frontal) 2 RCA Audio input (frontal)
Power supply	220 – 240 VAC 50Hz
Consumption	83 W (IEC 107-1) 2,9 W (Stand-by ⏻)
Stereo/Dual Systems	NICAM and Stereo/Dual (A2)
Sound Effects	Pseudo Stereo. Bass boost. Actv. 3D surround, BBE, spatial stereo
Auto volume	
Clock function	
Alarm function	Programmable over 24 hours
Timer function	Switch on and off are programmable over 24 hours.
TXT	1,5 Flot and list. 10 Teletext pages memory
Hotel Mode	It can be programmed in Hotel Mode and Rental Hotel Mode
Remote ON/OFF	This TV can be switched ON/OFF Through the blue scart connector.
Options by means of Technical Service:	
NTSC-M	

6. Safety

It fulfills the safety requirements established in the regulation:

EN 60065:98

7. EMC (Electromagnetic Compatibility)

It fulfills the EMC requirements established in the regulation:

EN 55013:2001

EN 55020:1994/A11:1996/A13:1999/A14:1999

EN 61000-3-2:1995+A1:19998+A2:98/A14:2000

EN 61000-3-3:1995

8. Factory special mode

The factory mode is a special TV working mode intended to help in the manufacturing process and it is identified on the screen with the message "FAC". This mode is never suited for customer use.

The main differences respect to normal mode are:

- 1- The standby mode is always disabled.
- 2- The Blue-back (no sync. signal present) is disabled.
- 3- The customer adjustments (volume, contrast ...) work faster.
- 4- The timer off works but it does not change to Stand-by mode.
- 5- Change of programs and TV/AV switching faster. Cancelled mute.

In case of finding the TV set in Factory mode, it must be taken out of this state. To do so, enter the clock setting menu on the customer OSD and then exit.

9. Automatic channel search reactivating

In order to reset the initial automatic channel search function, start a channel search in AUTO mode from the user tuning menu and switch-off the TV set before any station is found. The next time the TV set is switched on, it will start an automatic channel-search.

10. Service Menu

The service menu allows to access to de relational parameters with the TV setting.

The service menu is accessed by holding down the front key (vol-) and simultaneously pressing the teletext green key from the remote control. A very detailed explanation is in the Service Manual of chassis 2114 (EB5-C).

11. CONNECTED DOCUMENTS.

This Service Manual provides the particular information of the model CE29FFV2-F and it is complemented with:

1. Service Manual of the CHASIS 2114 (EB5-C).
2. Service Electrical scheme of the model CE29FFV1-F.
3. Instruction manual.

12. MOUNTED CIRCUITS CODES.

	CE29FFV2-F A68ERF012X013	
Assy	6110391908	Main + Socket TRC +Audio + Mandos
Subassy	7040004207	Socket TRC PCB
Subassy	7140002135	Audio PCB
Subassy	7200002512	PCB Mandos

	CE29FFV2-F A68QCP993X001	
Assy	6110391940	Main + Socket TRC +Audio + Mandos
Subassy	7040005949	Socket TRC PCB
Subassy	7140002135	Audio PCB
Subassy	7200003049	PCB Mandos

Note : The following abbreviations indicate:

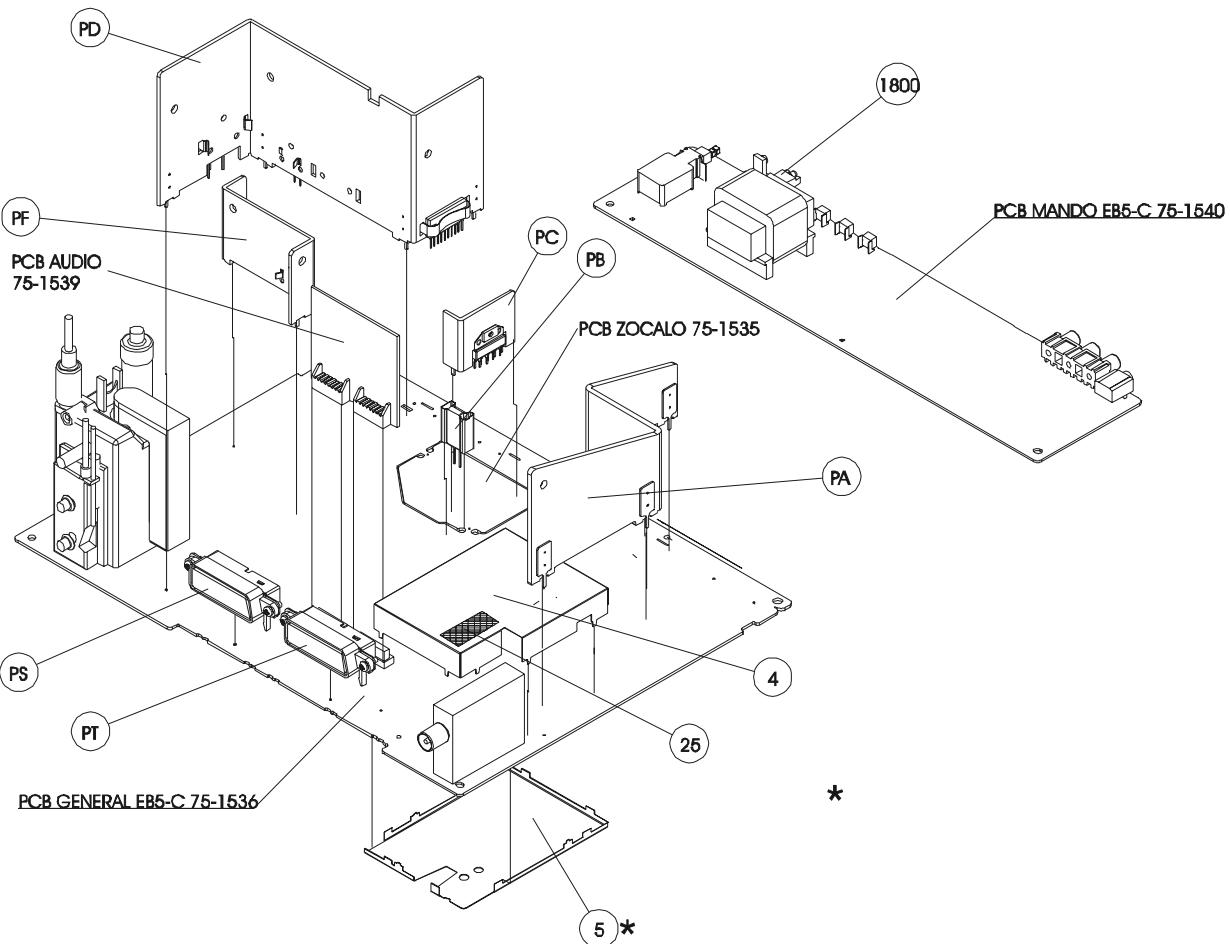
PHI	Exclusive parts for
SAM	Exclusive parts for

CTR PHILIPS
CRT SAMSUNG

13. CABINET PARTS LIST

13.1. CABINET PARTS LIST OF CHASSIS CE29FFV2-F

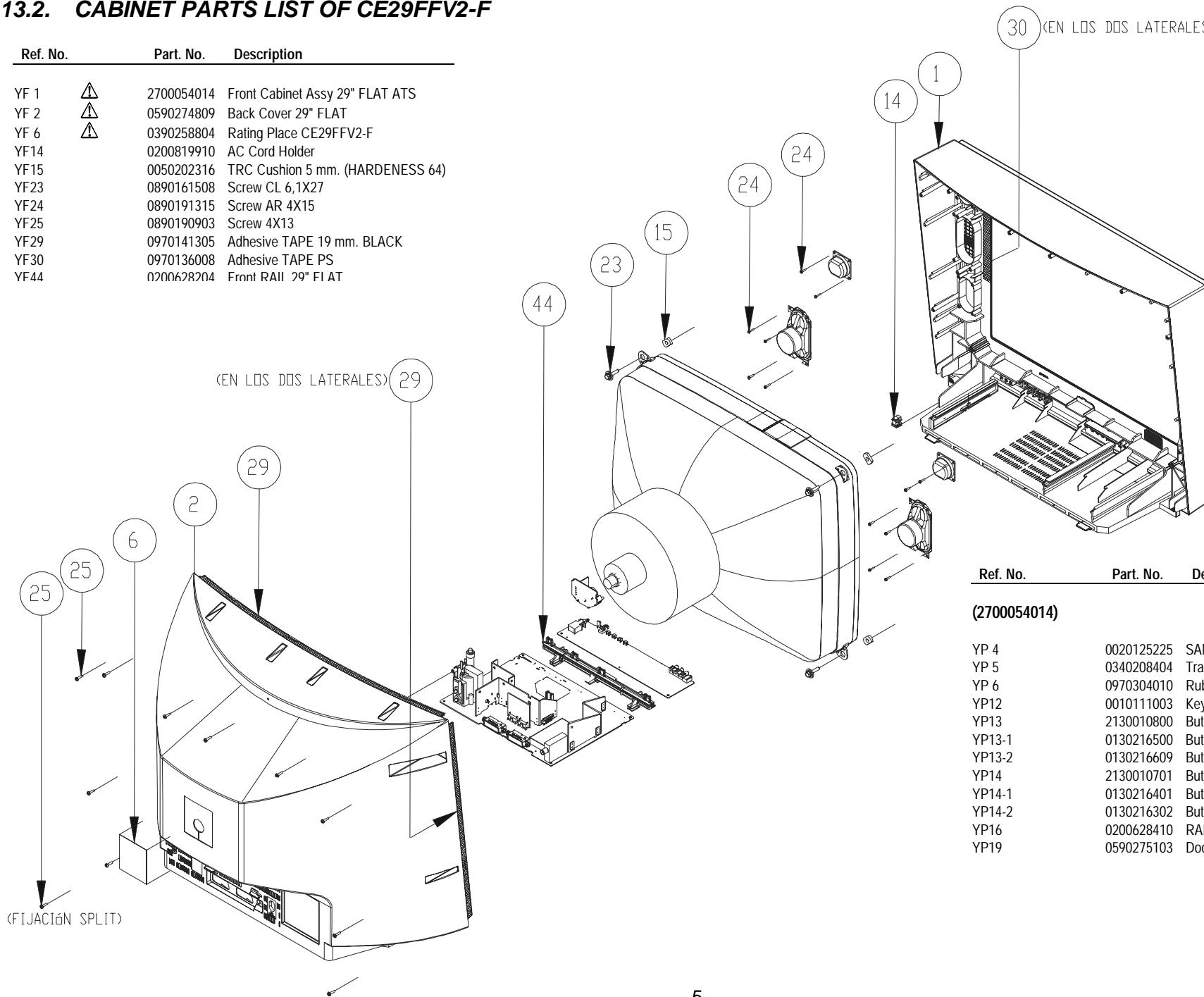
Ref. No.	Part No.	Description	Localiz.	Código	Descripción
YG4	*	0080113111 COMP. Side IF Shield EB5-C			
YG5	*	0080113202 Copper Side IF Shield EB5-C			
YG1800		0200826402 LED Holder			
Assy PA (Audio)					
IC300	0360517304	TDA 8946 J N1			
YR300	0200226108	Heatsink AUDIO EB5-C 25-28-29			
YR301	0970200804	Silicon Grease YG6260			
YR302	0010106300	Spring CLIP 56379			
Assy PD (Deflection)					
IC701	*	0360517007 LA7846N			
Q650	0360306708	S 2055 N			
Q750	0360309009	BD242BFP			
YR650	0200226009	Heatsink Deflection EB5-C			
YR651	0970200804	Silicon Grease YG6260			
YR652	0010106300	Spring CLIP 56379			
YR653	0010106300	Spring CLIP 56379			
YR654	0010110401	Spring CLIP 56363			
YR655	0970200804	Silicon Grease YG6260			
YR656	0970200804	Silicon Grease YG6260			
Assy PB					
D851	0360378905	Schottky FMB-G19L 90V 4ATO220			
YR851	0200224905	Heatsink TO-220-F			
Assy PF(Power supply)					
Q800	*	0360311302 MOS 2SK2545 600V/6A			
YR800	0200225811	Heatsink Power Supply EB5-C			
YR801	0010110401	Spring CLIP 56363			
Assy PT					
S901	0330162702	Scart Connector 21 PIN BLUE			
YR901	0200420602	MOUNTING-BRKT F2WV			
YR902	0890115603	Selftapping Screws DIN 7981F 2,9X8			
Assy PS					
S900	0330162603	Scart Connector 21 PIN BLACK			
YR900	0200420602	MOUNTING-BRKT F2WV			
YR903	0890115603	Selftapping Screws DIN 7981F 2,9X8			
Assy PC (Zocket CRT)					
IC500	0360514228	TDA 6107JF/N3			
YR500	0200224806	Heatsink RGB EB5-A			
YR501	0970200804	Silicon Grease YG6260			
YR502	0050709104	Washer			
YR503	0890121106	Screw M3X6 FE/ZN DIN 7985			



NOTA:
LAS PIEZAS INDICADAS CON *, SOLO SE MONTARAN
EN LOS APARATOS DE EXPORTACIÓN.

13.2. CABINET PARTS LIST OF CE29FFV2-F

Ref. No.	Part. No.	Description
YF 1	2700054014	Front Cabinet Assy 29" FLAT ATS
YF 2	0590274809	Back Cover 29" FLAT
YF 6	0390258804	Rating Place CE29FFV2-F
YF14	0200819910	AC Cord Holder
YF15	0050202316	TRC Cushion 5 mm. (HARDNESS 64)
YF23	0890161508	Screw CL 6,1X27
YF24	0890191315	Screw AR 4X15
YF25	0890190903	Screw 4X13
YF29	0970141305	Adhesive TAPE 19 mm. BLACK
YF30	0970136008	Adhesive TAPE PS
YF44	0200628204	Front RAIL 29" FLAT



Ref. No.	Part. No.	Description
	(2700054014)	
YP 4	0020125225	SANYO Badge 46,2X13,5/SILVER
YP 5	0340208404	Trans.DEC.BOARD 29" FLAT
YP 6	0970304010	Rubber Band 600X2800 MM
YP12	0010111003	Key Spring 21" C2GA
YP13	2130010800	Button Power Assy 29" FLAT
YP13-1	0130216500	Button UNITED BASE 29" FLAT
YP13-2	0130216609	Button Power 29" FLAT
YP14	2130010701	Button Base Assy 29"FLAT
YP14-1	0130216401	Button Unit 29" FLAT
YP14-2	0130216302	Button United BASE 29" FLAT
YP16	0200628410	RAIL Lateral PCB 29" FLAT
YP19	0590275103	Door 29" FLAT

Ref. No.	Part No.	Description
14. PARTS LIST		
PCB SOCKET TRC		
CONNECTORS		
CON_FD	0160220729	Polarized Band 4P 520+6+6
CON_FH	0160230819	Polarized Band Gray 5P. 450+6+6
CAPACITORS		
C500	0270341324	Polyester 100 nF. 10% 250V.
C501	0250322815	Electrolytic 10 µF. 250V.
C503	0240590901	Ceramic 2200 pF +80-20% 2KV.
DIODES		
D500	0360007215	BAV21 DIODE
D501	0360007215	BAV21 DIODE
D502	0360007215	BAV21 DIODE
E500	0640705117	Eyelet 2,5-3
FD1	0330144205	Ribbon Wire Holder 4 P.
FH1	0330144304	Ribbon Wire Holder 5 P.
FK	0640300604	Earth Wire 340 mm.
INTEGRATED CIRCUITS		
IC500	0360514228	TDA 6107JF/N3
J117	0470040007	Jumper Lead 0,6 mm.
L502	0090304924	Choke R.F. 470 µH. 10%
L506 PHI	0090208307	Coil 75 µH. 10% 1,5 A. R-7,5
L506 SAM	0090209305	Coil 59 µH. 10% 1,5 A.
PCB04	0750153520	Socket PCB 5-C
RESISTORS		
R500	0790741409	Solid 1,5 KΩ 10% 1/2W.
R501	0790741409	Solid 1,5 KΩ 10% 1/2W.
R502	0790741409	Solid 1,5 KΩ 10% 1/2W.
R503	0790741409	Solid 1,5 KΩ 10% 1/2W.
R504	0790741409	Solid 1,5 KΩ 10% 1/2W.
R505	0790239008	R.M.G. SMD 1 KΩ T<=5%
R506	0790535702	Fuse 10 Ω 5% 0,33W.
R507	0790227003	R.M.G. SMD 100 Ω T<=5%
R508	0790227003	R.M.G. SMD 100 Ω T<=5%
R509	0790227003	R.M.G. SMD 100 Ω T<=5%
R510	0790242002	R.M.G. SMD 1,8 KΩ 5% 1/10W.
R511	0790242002	R.M.G. SMD 1,8 KΩ 5% 1/10W.
R512	0790242002	R.M.G. SMD 1,8 KΩ 5% 1/10W.
ZOCALO	0330162108	Socket TRC Diameter 22,5 mm.
MAIN PCB		
CN_G2	0640706503	BLUE G2 Wire WITH TWO Terminals
CN_KV	0330272204	2P. Connector Shield CABLE 400MM
CN_NA	0330193608	4P. Connector
CN_NB	0330198706	10 P. Connector
CN_NC	0330196601	7P. Connector
RESISTORS		
C100	0230600702	Ceramic SMD 100 nF. 10% 25V.
C102	0230600702	Ceramic SMD 100 nF. 10% 25V.
C103	0230360604	Ceramic SMD 1000 pF. 10% 50V.
C104	0250321072	Electrolytic 10 µF. 63V.
C105	0230480808	Ceramic SMD 10 nF. 10% 50V.
C106	0270101322	Polyester 1000 pF. 5% 400V.
C107	0230480808	Ceramic SMD 10 nF. 10% 50V.
C108	0230180309	Ceramic SMD 33 pF. 1% 50V.
C109	0230180309	Ceramic SMD 33 pF. 1% 50V.
C112	0230600801	Ceramic SMD 100 nF. +80-20% 25V.
C113	0230360604	Ceramic SMD 1000 pF. 10% 50V.
C114	0230360604	Ceramic SMD 1000 pF. 10% 50V.

Ref. No.	Part No.	Description
C115	*	0230360604 Ceramic SMD 1000 pF. 10% 50V.
C116	*	0230360604 Ceramic SMD 1000 pF. 10% 50V.
C118		0230360604 Ceramic SMD 1000 pF. 10% 50V.
C120		0230480808 Ceramic SMD 10 nF. 10% 50V.
C190		0230600702 Ceramic SMD 100 nF. 10% 25V.
C191		0230640401 Ceramic SMD 220 nF. 10% 16V.
C200		0250321072 Electrolytic 10 µF. 63V.
C201		0230360604 Ceramic SMD 1000 pF. 10% 50V.
C202		0230360604 Ceramic SMD 1000 pF. 10% 50V.
C203		0230600702 Ceramic SMD 100 nF. 10% 25V.
C204		0230600702 Ceramic SMD 100 nF. 10% 25V.
C207		0250321072 Electrolytic 10 µF. 63V.
C209		0230480808 Ceramic SMD 10 nF. 10% 50V.
C210		0230600801 Ceramic SMD 100 nF. +80-20% 25V.
C250		0230600801 Ceramic SMD 100 nF. +80-20% 25V.
C251		0250461217 Electrolytic 100 µF. 25V.
C252		0270341480 Polyester 100 nF. 10% 63V.
C256		0230480808 Ceramic SMD 10 nF. 10% 50V.
C257		0270341480 Polyester 100 nF. 10% 63V.
C258		0230480808 Ceramic SMD 10 nF. 10% 50V.
C259		0230600801 Ceramic SMD 100 nF. +80-20% 25V.
C260		0250410859 Electrolytic 47 µF. 25V.
C261		0230600801 Ceramic SMD 100 nF. +80-20% 25V.
C300		0250572310 Electrolytic 1000 µF. 25V.
C301		0230600702 Ceramic SMD 100 nF. 10% 25V.
C302		0230360604 Ceramic SMD 1000 pF. 10% 50V.
C303		0230360604 Ceramic SMD 1000 pF. 10% 50V.
C304		0230640401 Ceramic SMD 220 nF. 10% 16V.
C305		0230640401 Ceramic SMD 220 nF. 10% 16V.
C306		0230640401 Ceramic SMD 220 nF. 10% 16V.
C307		0230640401 Ceramic SMD 220 nF. 10% 16V.
C308		0250321072 Electrolytic 10 µF. 63V.
C309		0250321072 Electrolytic 10 µF. 63V.
C310		0240551309 Ceramic 1000 pF. 10% 50V.
C311		0270341324 Polyester 100 nF. 10% 250V.
C312		0270341324 Polyester 100 nF. 10% 250V.
C352		0250410859 Electrolytic 47 µF. 25V.
C353		0250410859 Electrolytic 47 µF. 25V.
C354		0230600801 Ceramic SMD 100 nF. +80-20% 25V.
C355		0230600801 Ceramic SMD 100 nF. +80-20% 25V.
C356		0250500618 Electrolytic 220 µF. 16V.
C357		0250461217 Electrolytic 100 µF. 25V.
C359		0230480808 Ceramic SMD 10 nF. 10% 50V.
C361		0250461217 Electrolytic 100 µF. 25V.
C362	*	0230160400 Ceramic SMD 22 pF. 1% 50V.
C363	*	0230160400 Ceramic SMD 22 pF. 1% 50V.
C364	*	0230240400 Ceramic SMD 100 pF. 5% 50V.
C365	*	0230240400 Ceramic SMD 100 pF. 5% 50V.
C400		0250461217 Electrolytic 100 µF. 25V.
C401		0230600801 Ceramic SMD 100 nF. +80-20% 25V.
C402		0230740003 Ceramic SMD 2,2 µF. 10V. +80-20%
C403		0230520504 Ceramic SMD 22 nF. 10% 50V.
C404		0230640401 Ceramic SMD 220 nF. 10% 16V.
C405		0230360604 Ceramic SMD 1000 pF. 10% 50V.
C406		0230600702 Ceramic SMD 100 nF. 10% 25V.
C407		0230740003 Ceramic SMD 2,2 µF. 10V. +80-20%
C408		0230600702 Ceramic SMD 100 nF. 10% 25V.
C409		0230600702 Ceramic SMD 100 nF. 10% 25V.
C410		0230600702 Ceramic SMD 100 nF. 10% 25V.
C411		0230180309 Ceramic SMD 33 pF. 1% 50V.
C412		0230180309 Ceramic SMD 33 pF. 1% 50V.
C413		0230740003 Ceramic SMD 2,2 µF. 10V. +80-20%
C414		0230520504 Ceramic SMD 22 nF. 10% 50V.
C415		0250461217 Electrolytic 100 µF. 25V.
C416		0230520504 Ceramic SMD 22 nF. 10% 50V.
C417		0230400202 Ceramic SMD 2200 pF. 10% 50V.
C418	*	0230240400 Ceramic SMD 100 pF. 5% 50V.
C419	*	0230200503 Ceramic SMD 47 pF. 5% 50V.
C420		0230680308 Ceramic SMD 470 nF. 10% 16V.
C421		0230440406 Ceramic SMD 4700 pF. 10% 50V.
C422	*	0230240400 Ceramic SMD 100 pF. 5% 50V.
C423	*	0230360604 Ceramic SMD 1000 pF. 10% 50V.
C424	*	0230600702 Ceramic SMD 100 nF. 10% 25V.
C425	*	0260340906 Polypropylene 100 nF. 5% 100V.
C426	*	0230360604 Ceramic SMD 1000 pF. 10% 50V.
C427		0230600702 Ceramic SMD 100 nF. 10% 25V.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C428	*	0230240400 Ceramic SMD 100 pF. 5% 50V.	C859	0250531910 Electrolytic 470µF. 25V. 10X12,5	
C429		0230240400 Ceramic SMD 100 pF. 5% 50V.	C860	0250572419 Electrolytic 1000 µF. 16V.	
C430		0230240400 Ceramic SMD 100 pF. 5% 50V.	C861	0250572419 Electrolytic 1000 µF. 16V.	
C431		0230240400 Ceramic SMD 100 pF. 5% 50V.	C862	0230640401 Ceramic SMD 220 nF. 10% 16V.	
C432		0230360604 Ceramic SMD 1000 pF. 10% 50V.	C863	0230360604 Ceramic SMD 1000 pF. 10% 50V.	
C433		0230240400 Ceramic SMD 100 pF. 5% 50V.	C866	0230360604 Ceramic SMD 1000 pF. 10% 50V.	
C434		0230680308 Ceramic SMD 470 nF. 10% 16V.	C868	0250321072 Electrolytic 10 µF. 63V.	
C435		0250280856 Electrolytic 4,7 µF. 100V.	C870	0250321072 Electrolytic 10 µF. 63V.	
C436		0230600801 Ceramic SMD 100 nF. +80-20% 25V.	C871	*	0230360604 Ceramic SMD 1000 pF. 10% 50V.
C437	*	0230360604 Ceramic SMD 1000 pF. 10% 50V.	C874	0250461217 Electrolytic 100 µF. 25V.	
C438		0230360604 Ceramic SMD 1000 pF. 10% 50V.	C875	0230400202 Ceramic SMD 2200 pF. 10% 50V.	
C439	*	0230480808 Ceramic SMD 10 nF. 10% 50V.	C876	0230360604 Ceramic SMD 1000 pF. 10% 50V.	
C442		0250321072 Electrolytic 10 µF. 63V.	C900	*	0230320608 Ceramic SMD 470 pF. 5% 50V.
C443		0230440406 Ceramic SMD 4700 pF. 10% 50V.	C901	*	0230320608 Ceramic SMD 470 pF. 5% 50V.
C450	*	0230240400 Ceramic SMD 100 pF. 5% 50V.	C902	*	0230320608 Ceramic SMD 470 pF. 5% 50V.
C451	*	0230240400 Ceramic SMD 100 pF. 5% 50V.	C903	*	0230320608 Ceramic SMD 470 pF. 5% 50V.
C452	*	0230240400 Ceramic SMD 100 pF. 5% 50V.	C904	*	0230320608 Ceramic SMD 470 pF. 5% 50V.
C453		0230520504 Ceramic SMD 22 nF. 10% 50V.	C905	*	0230320608 Ceramic SMD 470 pF. 5% 50V.
C454		0230520504 Ceramic SMD 22 nF. 10% 50V.	C906	*	0230320608 Ceramic SMD 470 pF. 5% 50V.
C455		0230520504 Ceramic SMD 22 nF. 10% 50V.	C907		0250321072 Electrolytic 10 µF. 63V.
C600A		0270341324 Polyester 100 nF. 10% 250V.	C913	*	0230240400 Ceramic SMD 100 pF. 5% 50V.
C601		0270140122 Polyester 2200 pF. 10% 400V.	C914	*	0230240400 Ceramic SMD 100 pF. 5% 50V.
C603		0230520504 Ceramic SMD 22 nF. 10% 50V.	C917	*	0230240400 Ceramic SMD 100 pF. 5% 50V.
C604		0230720203 Ceramic SMD 1 µF. 16V. +80-20%	C918		0230600801 Ceramic SMD 100 nF. +80-20% 25V.
C650B		0260260500 Polypropylene 22 nF. 3,5% 630V	C920		0250321072 Electrolytic 10 µF. 63V.
C651	⚠	0260223003 Polypropylene 15 nF. 3,5% 1600V.	C921		0250321072 Electrolytic 10 µF. 63V.
C652A	PHI	0260400908 Polypropylene 330 nF. 5% 250V.	C923		0250321072 Electrolytic 10 µF. 63V.
C652B	SAM	0260393004 Polypropylene 300 nF. 5% 250V.	C925	*	0230320608 Ceramic SMD 470 pF. 5% 50V.
C653	⚠	0260433065 Polypropylene 820nF. 5% 250V	C926		0250410859 Electrolytic 47 µF. 25V.
C654A	PHI	0260140504 Polypropylene 2200 pF. 3,5% 1,6 KV.	C928		0250410859 Electrolytic 47 µF. 25V.
C654B	SAM	0260123500 Polypropylene 1500 pF. 3,5% 1600V	C930		0250410859 Electrolytic 47 µF. 25V.
C655A	PHI	0270290802 Polyester 39 nF. 5% 400V.	C931		0250410859 Electrolytic 47 µF. 25V.
C655A	SAM	0270281231 Polyester 33 nF. 10% 400V.	C934		0250410859 Electrolytic 47 µF. 25V.
C656		0250115318 Electrolytic 2,2 µF. 160V. 6,3X11	C935		0250410859 Electrolytic 47 µF. 25V.
C657		0240132035 Ceramic 470 pF. 10% 1KV.	C936		0250410859 Electrolytic 47 µF. 25V.
C658		0230260705 Ceramic SMD 150 pF. 10% 630V. 1206	C938		0250321072 Electrolytic 10 µF. 63V.
C659A		0250504107 Electrolytic 220 µF. 200V. 18x35,5	C939		0230720203 Ceramic SMD 1 µF. 16V. +80-20%
C660		0230340408 Ceramic SMD 680 pF. 10% 630V. 1206	C940		0230720203 Ceramic SMD 1 µF. 16V. +80-20%
C661		0250283835 Electrolytic 4,7 µF. 250V.			
C663		0230600702 Ceramic SMD 100 nF. 10% 25V.			
C668		0250283835 Electrolytic 4,7 µF. 250V.			
C669		0230340408 Ceramic SMD 680 pF. 10% 630V. 1206			
C670		0270341324 Polyester 100 nF. 10% 250V.			
C674		0230520504 Ceramic SMD 22 nF. 10% 50V.			
C675		0230600702 Ceramic SMD 100 nF. 10% 25V.			
C680		0250220472 Electrolytic 1 µF. 100V.			
C700		0250463718 Electrolytic 100 µF. 50V. 8X11,5			
C701		0250463718 Electrolytic 100 µF. 50V. 8X11,5			
C703		0270370588 Polyester 180 nF. 10% 63V.			
C704		0250463718 Electrolytic 100 µF. 50V. 8X11,5			
C710		0270341480 Polyester 100 nF. 10% 63V.			
C711	*	0230360604 Ceramic SMD 1000 pF. 10% 50V.			
C712		0270220726 Polyester 10 nF. 10% 250V.			
C750		0230360604 Ceramic SMD 1000 pF. 10% 50V.			
C751	*	0230480808 Ceramic SMD 10 nF. 10% 50V.			
C753		0250284023 Electrolytic 4,7 µF. 160V.			
C802		0240134767 Ceramic 1000 pF. +-20% 1KV.			
C803		0240134767 Ceramic 1000 pF. +-20% 1KV.			
C806		0230240400 Ceramic SMD 100 pF. 5% 50V.			
C807		0230200503 Ceramic SMD 47 pF. 5% 50V.			
C809		0230300709 Ceramic SMD 330 pF. 5% 50V.			
C810		0250503661 Electrolytic. 220 µF. 385V. 30X35			
C811		0250412970 Electrolytic 47 µF. 50V.			
C812	*⚠	0240136135 Ceramic Capacitor 1000 pF. 20% 4KV.			
C813		0230360505 Ceramic SMD 1000 pF 5% 100V.0805			
C814		0230260309 Ceramic SMD 150 pF. 10% 1KV. 1206			
C816	*⚠	0240136135 Ceramic Capacitor 1000 pF. 20% 4KV.			
C817		0230300303 Ceramic SMD 330 pF. 10% 630V. 1206			
C818		0230300303 Ceramic SMD 330 pF. 10% 630V. 1206			
C850		0230280505 Ceramic SMD 220 pF. 10% 1KV. 1206			
C851		0230360604 Ceramic SMD 1000 pF. 10% 50V.			
C852		0230360604 Ceramic SMD 1000 pF. 10% 50V.			
C855		0230600801 Ceramic SMD 100 nF. +80-20% 25V.			
C856		0250465218 Electrolytic 100 µF. 200V.			
C857		0250601515 Electrolytic 2200 µF. 25V. R-7,5			
C858		0250531910 Electrolytic 470µF. 25V. 10X12,5			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
D704	0360130819	1N 4148	JUMPERS		
D705	0360135107	Zener BZX79C8V2	JO104	0790701106	R.M.G. SMD 0 Ω 1/10W.
D750	0360601512	SMD LS4148	JO1050	0790701106	R.M.G. SMD 0 Ω 1/10W.
D751	0360105100	Zener BZX79C11	JO1051	0790701106	R.M.G. SMD 0 Ω 1/10W.
D752	0360130819	1N 4148	JO1052	0790701106	R.M.G. SMD 0 Ω 1/10W.
D753	0360130819	1N 4148	JO202	0790701106	R.M.G. SMD 0 Ω 1/10W.
D754	0360607006	Zener SMD MMSZ56T1	JO252	0790701106	R.M.G. SMD 0 Ω 1/10W.
D800	PHI	0360372411 ERC05-10B V1	JO253	0790701106	R.M.G. SMD 0 Ω 1/10W.
D800	SAM	0360379705 1R5NH41 1000V 1.5A	JO701	*	0790701106 R.M.G. SMD 0 Ω 1/10W.
D801	PHI	0360372411 ERC05-10B V1	JO702	*	0790701106 R.M.G. SMD 0 Ω 1/10W.
D801	SAM	0360379705 1R5NH41 1000V 1.5A	J129	0790701106	R.M.G. SMD 0 Ω 1/10W.
D802	PHI	0360372411 ERC05-10B V1	J159	0790126700	Carbon 100 Ω 5% 1/6W.
D802	SAM	0360379705 1R5NH41 1000V 1.5A	J198	0790701106	R.M.G. SMD 0 Ω 1/10W.
D803	PHI	0360372411 ERC05-10B V1	J235	0790701106	R.M.G. SMD 0 Ω 1/10W.
D803	SAM	0360379705 1R5NH41 1000V 1.5A	J236	0790701106	R.M.G. SMD 0 Ω 1/10W.
D804		0360602411 Zener SMD BZT55C6V2	J237	0790701106	R.M.G. SMD 0 Ω 1/10W.
D806		0360376909 ERB44-02	J242	0790701106	R.M.G. SMD 0 Ω 1/10W.
D850		0360374409 RU4B LF-T3	J248	0790701106	R.M.G. SMD 0 Ω 1/10W.
D851		0360378905 Schottky FMB-G19L 90V 4ATO220	J250	0790701106	R.M.G. SMD 0 Ω 1/10W.
D852A		0360379606 1R5GH45 400V 1.5A	J251	0790701106	R.M.G. SMD 0 Ω 1/10W.
D853A		0360379606 1R5GH45 400V 1.5A	J255	0790701106	R.M.G. SMD 0 Ω 1/10W.
D854		0360376909 ERB44-02	J256	0790701106	R.M.G. SMD 0 Ω 1/10W.
D855A		0360376701 Schottky RK 19 V1 90V 1.5A	J264	0790701106	R.M.G. SMD 0 Ω 1/10W.
D857		0360606115 Zener SMD BZT55C4V3	J267	0790701106	R.M.G. SMD 0 Ω 1/10W.
D859		0360606115 Zener SMD BZT55C4V3	KVBM	0330191701	2P. Socket
D860		0360602213 Zener SMD BZT55C5V1	K300	0330330002	8P. Connector
D861		0360603914 Zener SMD BZT55C33	K301	0330330002	8P. Connector
D862		0360130819 1N 4148	K302	0330490301	Connector Assy 10P W/WireS 260 MM
D863		0360104202 Zener BZX79C6V2	COILS		
D866		0360601512 SMD LS4148	L100	0090305327	Peaking Coil 10 μH. 10%
D867		0360130819 1N 4148	L101	0620005801	Ferrite SMD 0805 1K/100MHz 0,2A
D870		0360130819 1N 4148	L102	0620005801	Ferrite SMD 0805 1K/100MHz 0,2A
D871		0360130819 1N 4148	L104	0620005801	Ferrite SMD 0805 1K/100MHz 0,2A
D900		0360602213 Zener SMD BZT55C5V1	L250	0090305665	Peaking Coil 4,7 μH 10% l MAX=930MA
D901		0360602213 Zener SMD BZT55C5V1	L251	0090317157	Peaking Coil 0,39 μH. 10% RADIAL
D902		0360602213 Zener SMD BZT55C5V1	L252	0090319229	Peaking Coil 4,7 μH. 10%
D903		0360602213 Zener SMD BZT55C5V1	L300	0090817305	Axial Inductor 12 μH. 10% 1,8A.
D904		0360602213 Zener SMD BZT55C5V1	L301	*	0620005900 Ferrite SMD 1206 600 Ω/100MH 1,5A
D905		0360602213 Zener SMD BZT55C5V1	L302	*	0620005900 Ferrite SMD 1206 600 Ω/100MH 1,5A
D906		0360602213 Zener SMD BZT55C5V1	L303	*	0620005900 Ferrite SMD 1206 600 Ω/100MH 1,5A
D908		0360602213 Zener SMD BZT55C5V1	L304	*	0620005900 Ferrite SMD 1206 600 Ω/100MH 1,5A
D909		0360602213 Zener SMD BZT55C5V1	L305	0090817305	Axial Inductor 12 μH. 10% 1,8A.
D910		0360602213 Zener SMD BZT55C5V1	L350	*	0470040007 Jumper Lead 0,6 mm.
D911		0360602213 Zener SMD BZT55C5V1	L351	*	0470040007 Jumper Lead 0,6 mm.
D912		0360602213 Zener SMD BZT55C5V1	L400	0090319229	Peaking Coil 4,7 μH. 10%
D914		0360602213 Zener SMD BZT55C5V1	L401	0470040007	Jumper Lead 0,6 mm.
D917		0360602213 Zener SMD BZT55C5V1	L404	*	0620011502 Ferrite SMD 0603 600 Ω/100MHz
D918		0360601512 SMD LS4148	L405	0090319229	Peaking Coil 4,7 μH. 10%
D919		0360601512 SMD LS4148	L410	0470040007	Jumper Lead 0,6 mm.
D920		0360601512 SMD LS4148	L600	0090817206	Axial Inductor 3,3 μH. 10% 2,6A.
D921		0360130819 1N 4148	L651A	0090804105	Coil 1,3 MH. +10% 2A. CU20
CONNECTORS			L652	0090209115	Fixed Lineality Coil
FA	0330271305	2P. Socket W/ CLIP	L654	0090817305	Axial Inductor 12 μH. 10% 1,8A.
FB1	0330191701	2P. Socket	L656	0090207200	Coil 3,3 MH. 10% 0,175 A.
FB2	0330270109	2 P. Socket	L661	*	0620005900 Ferrite SMD 1206 600 Ω/100MH 1,5A
FD	0330144205	Ribbon Wire Holder 4 P.	L668	*	0620005900 Ferrite SMD 1206 600 Ω/100MH 1,5A
FF1	0330190000	2P. Connector	L700	0090305327	Peaking Coil 10 μH. 10%
FF2	0330270109	2 P. Socket	L703	0090305327	Peaking Coil 10 μH. 10%
FH	0330144304	Ribbon Wire Holder 5 P.	L750A	0090502907	E/W Correction Coil 5,5MH. 14X15
INTEGRATED CIRCUITS			L802	*	0620005702 Ferrite Bead 3, 180 Ω/100MHz
IC100	*	0360519003 SAA 5564PS	L803	0790109300	Carbon 3,3 Ω 5% 1/4W.
IC125	*	0360712012 SMD M24C08-WMN6T	L850	0620005116	Pipe Core 3,5X4,5
IC300		0360517304 TDA 8946 J N1	L851	0620005116	Pipe Core 3,5X4,5
IC350	*	0360472609 KA2209B	L852	0620005116	Pipe Core 3,5X4,5
IC400	*	0360516900 TDA 8874PS N1	L853	0620005116	Pipe Core 3,5X4,5
IC701	*	0360517007 LA7846N	L854	0620005116	Pipe Core 3,5X4,5
IC800		0360517205 MC44603ADW SMD	L855	0620005116	Pipe Core 3,5X4,5
IC801	△	0360491203 OPTO TCET1101G	L856	0620005702	Ferrite Bead 3, 180 Ω/100MHz
IC850		0360378764 KA431LZTA TO-92	L857	0620005900	Ferrite SMD 1206 600 Ω/100MH 1,5A
IC852		0360473409 LD1117V33C TO220	L858	0620005900	Ferrite SMD 1206 600 Ω/100MH 1,5A
IC853		0360472708 KA78R08TU	L859	0620005900	Ferrite SMD 1206 600 Ω/100MH 1,5A
IC854		0360472807 KA78R05-STU	L860	0620005900	Ferrite SMD 1206 600 Ω/100MH 1,5A
IC900	*	0360708804 LA 7221	L861	0620005702	Ferrite Bead 3, 180 Ω/100MHz

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
L862	0620005900	Ferrite SMD 1206 600 Ω /100MH 1,5A	Q908	0360320303	SMD BC 847 B
L863	0620005900	Ferrite SMD 1206 600 Ω /100MH 1,5A	RESISTORS		
L864	0090817305	Axial Inductor 12 μ H. 10% 1,8A.	R100	0790239008	R.M.G. SMD 1 K Ω T<=5%
L865	0090817305	Axial Inductor 12 μ H. 10% 1,8A.	R101	0790239008	R.M.G. SMD 1 K Ω T<=5%
L866	0090319765	Peaking Coil 22 μ H. 10% I MAX=130MA	R102	0790239008	R.M.G. SMD 1 K Ω T<=5%
L900	*	0470040007 Jumper Lead 0,6 mm.	R103	0790239008	R.M.G. SMD 1 K Ω T<=5%
L901	*	0470040007 Jumper Lead 0,6 mm.	R105	0790580203	Metal Film 22 K Ω 1% 0,4W.
L902	*	0470040007 Jumper Lead 0,6 mm.	R106	0790138804	Carbon 1 K Ω 5% 1/6W.
L903	0090319229	Peaking Coil 4,7 μ H. 10%	R107	0790138804	Carbon 1 K Ω 5% 1/6W.
L905	*	0620011502 Ferrite SMD 0603 600 Ω /100MHz	R108	0790239008	R.M.G. SMD 1 K Ω T<=5%
PCB11	△	0750153629 MAIN PCB EB5-C	R109	0790239008	R.M.G. SMD 1 K Ω T<=5%
TRANSISTORS					
Q100	0360320501	BRT SMD PDTA124ET	R110	0790138804	Carbon 1 K Ω 5% 1/6W.
Q101	0360320501	BRT SMD PDTA124ET	R112	0790141600	Carbon 1,5 K Ω 5% 1/6W.
Q102	0360320303	SMD BC 847 B	R113	0790146401	Carbon 3,9 K Ω 5% 1/6W.
Q104	0360320303	SMD BC 847 B	R114	0790756001	R.M.G. SMD 24 K Ω 1% 1/8W.
Q105	0360320303	SMD BC 847 B	R118	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q106	0360320600	BRT SMD PDTC124ET	R119	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q107	0360321301	SMD BC 857 B	R120	0470040007	Jumper Lead 0,6 mm.
Q190	0360320303	SMD BC 847 B	R121	0470040007	Jumper Lead 0,6 mm.
Q200	0360320303	SMD BC 847 B	R122	0790237002	R.M.G. SMD 680 Ω T<=5%
Q201	0360320600	BRT SMD PDTC124ET	R123	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q202	0360321301	SMD BC 857 B	R125	0790723506	R.M.G. SMD 47 Ω 1% 1/10W.
Q203	0360320303	SMD BC 847 B	R126	0790723506	R.M.G. SMD 47 Ω 1% 1/10W.
Q204	0360320303	SMD BC 847 B	R127	0790247001	R.M.G. SMD 4,7 K Ω T<=5%
Q207	0360320600	BRT SMD PDTC124ET	R128	0790155600	Carbon 22 K Ω 5% 1/6W.
Q250	0360320303	SMD BC 847 B	R129	0790741805	R.M.G. SMD 1,5 K Ω T<=5%
Q251	0360308803	SMD PMBT2369	R130	0790755706	R.M.G. SMD 23,7 K Ω 1% 1/8W.
Q252	0360320501	BRT SMD PDTA124ET	R131	0790758304	R.M.G. SMD 39 K Ω 1% 1/8W.
Q253	0360320501	BRT SMD PDTA124ET	R132	0790255004	R.M.G. SMD 22 K Ω T<=5%
Q254	0360320501	BRT SMD PDTA124ET	R133	0790255004	R.M.G. SMD 22 K Ω T<=5%
Q255	0360320410	SMD BF 570	R134	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q257	0360320600	BRT SMD PDTC124ET	R135	0790138804	Carbon 1 K Ω 5% 1/6W.
Q300	0360320600	BRT SMD PDTC124ET	R136	0790138804	Carbon 1 K Ω 5% 1/6W.
Q301	0360320600	BRT SMD PDTC124ET	R137	0790138804	Carbon 1 K Ω 5% 1/6W.
Q350	0360320600	BRT SMD PDTC124ET	R138	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q351	0360320600	BRT SMD PDTC124ET	R140	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q352	0360320600	BRT SMD PDTC124ET	R141	0790126700	Carbon 100 Ω 5% 1/6W.
Q400	0360320303	SMD BC 847 B	R142	0790126700	Carbon 100 Ω 5% 1/6W.
Q401	0360320303	SMD BC 847 B	R143	0790247001	R.M.G. SMD 4,7 K Ω T<=5%
Q600	0360309108	2SC2271D-CTV-AE	R144	0790247001	R.M.G. SMD 4,7 K Ω T<=5%
Q604	0360321301	SMD BC 857 B	R145	0790138804	Carbon 1 K Ω 5% 1/6W.
Q650	0360306708	S 2055 N	R146	0790138804	Carbon 1 K Ω 5% 1/6W.
Q651	0360320303	SMD BC 847 B	R148	0790251003	R.M.G. SMD 10 K Ω T<=5%
Q652	0360320303	SMD BC 847 B	R149	0790247001	R.M.G. SMD 4,7 K Ω T<=5%
Q653	0360308605	KSP 92 TO-92	R150	0790130504	Carbon 180 Ω 5% 1/6W
Q672	0360308506	KSP 42 TO-92	R152	0790749808	R.M.G. SMD 7,5 K Ω T<=5%
Q673	0360320303	SMD BC 847 B	R153	0790749808	R.M.G. SMD 7,5 K Ω T<=5%
Q674	0360321301	SMD BC 857 B	R156	0790138804	Carbon 1 K Ω 5% 1/6W.
Q750	0360309009	BD242BFP	R157	0790143606	Carbon 2,2 K Ω 5% 1/6W.
Q751	0360320600	BRT SMD PDTC124ET	R158	0790243000	R.M.G. SMD 2,2 K Ω T<=5%
Q752	0360308605	KSP 92 TO-92	R160	0790263008	R.M.G. SMD 100 K Ω T<=5%
Q753	0360308605	KSP 92 TO-92	R162	0790255004	R.M.G. SMD 22 K Ω T<=5%
Q754	*	0360308506 KSP 42 TO-92	R163	0790255004	R.M.G. SMD 22 K Ω T<=5%
Q800	*	0360311302 MOS 2SK2545 600V/6A	R165	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q850	0360311203	MOS 2SK2964 30V/2A SMD	R167	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q851	0360320600	BRT SMD PDTC124ET	R168	0790251003	R.M.G. SMD 10 K Ω T<=5%
Q852	0360311203	MOS 2SK2964 30V/2A SMD	R169	0790251003	R.M.G. SMD 10 K Ω T<=5%
Q853	0360320303	SMD BC 847 B	R170	0790126700	Carbon 100 Ω 5% 1/6W.
Q854	0360320303	SMD BC 847 B	R174	0470040007	Jumper Lead 0,6 mm.
Q855	0360320303	SMD BC 847 B	R179	0790126700	Carbon 100 Ω 5% 1/6W.
Q856	0360320303	SMD BC 847 B	R182	0790251003	R.M.G. SMD 10 K Ω T<=5%
Q857	0360320600	BRT SMD PDTC124ET	R190	0790251003	R.M.G. SMD 10 K Ω T<=5%
Q858	0360320501	BRT SMD PDTA124ET	R191	0790263008	R.M.G. SMD 100 K Ω T<=5%
Q859	0360320303	SMD BC 847 B	R192	0790235006	R.M.G. SMD 470 Ω T<=5%
Q861	0360320600	BRT SMD PDTC124ET	R193	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q862	0360308605	KSP 92 TO-92	R194	0790328603	Metal Film 75 Ω 1% 0,6W.
Q863	0360308506	KSP 42 TO-92	R195	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q900	0360320303	SMD BC 847 B	R196	0790328603	Metal Film 75 Ω 1% 0,6W.
Q901	0360320303	SMD BC 847 B	R197	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q904	0360308803	SMD PMBT2369	R198	0790328603	Metal Film 75 Ω 1% 0,6W.
Q905	0360308803	SMD PMBT2369	R200	0790239008	R.M.G. SMD 1 K Ω T<=5%
Q906	0360308803	SMD PMBT2369	R201	0790131106	Carbon 220 Ω 5% 1/4W.
Q907	0360321301	SMD BC 857 B	R202	0790239008	R.M.G. SMD 1 K Ω T<=5%

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R203	0470040007	Jumper Lead 0,6 mm.	R416	0790288005	R.M.G. SMD 10 MΩ 5% 1/10W.
R204	0790864102	R.M.G. SMD 1,2 KΩ T<=5%	R417	0790288005	R.M.G. SMD 10 MΩ 5% 1/10W.
R205	0790239008	R.M.G. SMD 1 KΩ T<=5%	R418	0790753909	R.M.G. SMD 15 KΩ T<=5%
R207 *	0790223002	R.M.G. SMD 47 Ω T<=5%	R419	0790753909	R.M.G. SMD 15 KΩ T<=5%
R208 *	0790223002	R.M.G. SMD 47 Ω T<=5%	R420	0790251003	R.M.G. SMD 10 KΩ T<=5%
R209	0790239008	R.M.G. SMD 1 KΩ T<=5%	R423	0790263008	R.M.G. SMD 100 KΩ T<=5%
R210	0790239008	R.M.G. SMD 1 KΩ T<=5%	R424	0790757603	R.M.G. SMD 33 KΩ T<=5%
R211	0790239008	R.M.G. SMD 1 KΩ T<=5%	R425 PHI	0790181408	R.M.G. SMD 2,7 MΩ T<=5%
R212	0790234009	R.M.G. SMD 390 Ω T<=5%	R425 SAM	0790779102	R.M.G. SMD 1,8 MOHM 5% 1/10W.
R213	0790235006	R.M.G. SMD 470 Ω T<=5%	R426	0790758304	R.M.G. SMD 39 KΩ 1% 1/8W.
R214	0790234009	R.M.G. SMD 390 Ω T<=5%	R427	0790137707	Carbon 680 Ω 5% 1/6W
R215	0790846109	R.M.G. SMD 220 Ω T<=5%	R428	0790123400	Carbon 47 Ω 5% 1/6W.
R216	0790239008	R.M.G. SMD 1 KΩ T<=5%	R429	0790227003	R.M.G. SMD 100 Ω T<=5%
R217	0790235006	R.M.G. SMD 470 Ω T<=5%	R431	0790126700	Carbon 100 Ω 5% 1/6W.
R218	0790133607	Carbon 330 Ω 5% 1/6W.	R432	0790126700	Carbon 100 Ω 5% 1/6W.
R219	0790133607	Carbon 330 Ω 5% 1/6W.	R433	0790126700	Carbon 100 Ω 5% 1/6W.
R220	0790131908	Carbon 220 Ω 5% 1/6W.	R440	0790184402	Carbon 4,7 MΩ 5% 1/4W.
R250 △	0790579437	Metal Film 18 KΩ 5% 2W.	R442	0790239008	R.M.G. SMD 1 KΩ T<=5%
R251	0790138804	Carbon 1 KΩ 5% 1/6W.	R443	0790239008	R.M.G. SMD 1 KΩ T<=5%
R252	0790235006	R.M.G. SMD 470 Ω T<=5%	R444	0790227003	R.M.G. SMD 100 Ω T<=5%
R253	0790263008	R.M.G. SMD 100 KΩ T<=5%	R450 *	0790126700	Carbon 100 Ω 5% 1/6W.
R254	0790126700	Carbon 100 Ω 5% 1/6W.	R451 *	0790126700	Carbon 100 Ω 5% 1/6W.
R255	0790153605	Carbon 15 KΩ 5% 1/6W	R452 *	0790126700	Carbon 100 Ω 5% 1/6W.
R256	0790753909	R.M.G. SMD 15 KΩ T<=5%	R453	0790126700	Carbon 100 Ω 5% 1/6W.
R258	0790259006	R.M.G. SMD 47 KΩ T<=5%	R454	0790126700	Carbon 100 Ω 5% 1/6W.
R259	0790874101	R.M.G. SMD 2,7 KΩ T<=5%	R455	0790126700	Carbon 100 Ω 5% 1/6W.
R260	0790239008	R.M.G. SMD 1 KΩ T<=5%	R456	0790126700	Carbon 100 Ω 5% 1/6W.
R261	0790251003	R.M.G. SMD 10 KΩ T<=5%	R457	0790227003	R.M.G. SMD 100 Ω T<=5%
R262	0790251003	R.M.G. SMD 10 KΩ T<=5%	R458	0790126700	Carbon 100 Ω 5% 1/6W.
R263	0790246003	R.M.G. SMD 3,9 KΩ T<=5%	R459	0790126700	Carbon 100 Ω 5% 1/6W.
R264	0790753909	R.M.G. SMD 15 KΩ T<=5%	R601A	0790147300	Carbon 4,7 KΩ 5% 1/2W.
R265	0790701106	R.M.G. SMD 0 Ω 1/10W.	R602	0790248009	R.M.G. SMD 5,6 KΩ T<=5%
R266	0790242002	R.M.G. SMD 1,8 KΩ 5% 1/10W.	R603 △	0790344030	Metal Film 1,2 KΩ 5% 2W.
R267	0790874101	R.M.G. SMD 2,7 KΩ T<=5%	R604	0790239008	R.M.G. SMD 1 KΩ T<=5%
R268	0790223002	R.M.G. SMD 47 Ω T<=5%	R605	0790243000	R.M.G. SMD 2,2 KΩ T<=5%
R269	0790229009	R.M.G. SMD 150 Ω T<=5%	R606	0470040007	Jumper Lead 0,6 mm.
R300	0790750004	Carbon 7,5 KΩ 5% 1/6W.	R607	0790223002	R.M.G. SMD 47 Ω T<=5%
R301	0790245005	R.M.G. SMD 3,3 KΩ T<=5%	R608 △	0790578132	Metal Film 15 KΩ 5% 2W.
R302	0790750004	Carbon 7,5 KΩ 5% 1/6W.	R612 △	0790518807	Metal Film 0,56 Ω 5% 1,2W.
R303	0790245005	R.M.G. SMD 3,3 KΩ T<=5%	R651	0790331201	Metal Film 120 Ω 5% 2W.
R304	0790251003	R.M.G. SMD 10 KΩ T<=5%	R652	0790559223	Metal Film 820 Ω 5% 1W.
R305	0790251003	R.M.G. SMD 10 KΩ T<=5%	R653	0470040007	Jumper Lead 0,6 mm.
R309	0790239008	R.M.G. SMD 1 KΩ T<=5%	R654	0790701106	R.M.G. SMD 0 Ω 1/10W.
R310 △	0790200000	Fuse 0,1 Ω 10% 0,5W	R655 PHI	0790300008	Metal Film 0,68 Ω 5% 1,2W
R311	0790111207	Carbon 4,7 Ω 5% 1/4W.	R655 SAM	0790526818	Metal Film Res. 1,5 OHM 5% 2W.
R312	0790111207	Carbon 4,7 Ω 5% 1/4W.	R656	0790260004	R.M.G. SMD 56 KΩ T<=5%
R350	0790123103	Carbon 47 Ω 5% 1/4W.	R657	0790259006	R.M.G. SMD 47 KΩ T<=5%
R351	0790123103	Carbon 47 Ω 5% 1/4W.	R658	0790259006	R.M.G. SMD 47 KΩ T<=5%
R352	0790711204	R.M.G. SMD 4,7 Ω T<=5%	R660	0790251003	R.M.G. SMD 10 KΩ T<=5%
R353	0790711204	R.M.G. SMD 4,7 Ω T<=5%	R661	0790251003	R.M.G. SMD 10 KΩ T<=5%
R354	0790318000	R.M.G. SMD 10 Ω T<=5%	R662	0790131908	Carbon 220 Ω 5% 1/6W.
R355	0790247001	R.M.G. SMD 4,7 KΩ T<=5%	R663	0790151500	Carbon 10 KΩ 5% 1/6W.
R356	0790247001	R.M.G. SMD 4,7 KΩ T<=5%	R666A	0790512313	Metal Film 0,33 Ω 5% 1W.
R357	0790255004	R.M.G. SMD 22 KΩ T<=5%	R667	0790239008	R.M.G. SMD 1 KΩ T<=5%
R359	0790741805	R.M.G. SMD 1,5 KΩ T<=5%	R668	0790163000	Carbon 100 KΩ 5% 1/6W
R360	0790159503	Carbon 47 KΩ 5% 1/6W	R669	0790255004	R.M.G. SMD 22 KΩ T<=5%
R361	0790741805	R.M.G. SMD 1,5 KΩ T<=5%	R670	0790701106	R.M.G. SMD 0 Ω 1/10W.
R362	0790259006	R.M.G. SMD 47 KΩ T<=5%	R675	0470040007	Jumper Lead 0,6 mm.
R363	0790239008	R.M.G. SMD 1 KΩ T<=5%	R676	0790263008	R.M.G. SMD 100 KΩ T<=5%
R364	0790239008	R.M.G. SMD 1 KΩ T<=5%	R677	0790159503	Carbon 47 KΩ 5% 1/6W
R400	0790126700	Carbon 100 Ω 5% 1/6W.	R678	0790888101	R.M.G. SMD 9,1 KΩ T<=5%
R401	0790126700	Carbon 100 Ω 5% 1/6W.	R679	0790156103	Carbon 27 KΩ 5% 1/4W.
R402	0790151500	Carbon 10 KΩ 5% 1/6W.	R680	0790263008	R.M.G. SMD 100 KΩ T<=5%
R403	0790227003	R.M.G. SMD 100 Ω T<=5%	R681	0790255103	R.M.G. SMD 22 KΩ 1% 1/10W.
R404	0790227003	R.M.G. SMD 100 Ω T<=5%	R682	0790259006	R.M.G. SMD 47 KΩ T<=5%
R405	0790227003	R.M.G. SMD 100 Ω T<=5%	R683	0790259006	R.M.G. SMD 47 KΩ T<=5%
R408	0790126700	Carbon 100 Ω 5% 1/6W.	R684	0790143606	Carbon 2,2 KΩ 5% 1/6W.
R409	0790126700	Carbon 100 Ω 5% 1/6W.	R685	0790260004	R.M.G. SMD 56 KΩ T<=5%
R410	0790126700	Carbon 100 Ω 5% 1/6W.	R688	0790767503	R.M.G. SMD 220 KΩ T<=5%
R411	0790126700	Carbon 100 Ω 5% 1/6W.	R689	0790151500	Carbon 10 KΩ 5% 1/6W.
R412	0790243000	R.M.G. SMD 2,2 KΩ T<=5%	R690	0790255004	R.M.G. SMD 22 KΩ T<=5%
R413	0790227003	R.M.G. SMD 100 Ω T<=5%	R691	0790127104	Carbon 100 Ω 5% 1/4W.
R414	0790756308	Carbon 27 KΩ 5% 1/6W.	R694	0790247001	R.M.G. SMD 4,7 KΩ T<=5%
R415	0790239008	R.M.G. SMD 1 KΩ T<=5%	R696	0790261002	R.M.G. SMD 68 KΩ T<=5%

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R698	0790145106	Carbon 3,3 KΩ 5% 1/6W	R885	0790239008	R.M.G. SMD 1 KΩ T<=5%
R700	0790151500	Carbon 10 KΩ 5% 1/6W.	R886	0790255004	R.M.G. SMD 22 KΩ T<=5%
R702	0790524003	Metal Film 1 Ω 2% 0,6W.	R900	0790026207	Carbon 560 Ω 5% 1/4W.
R703	0790526701	Metal Film 1,5 Ω 1% 0,6W.	R901	0790126700	Carbon 100 Ω 5% 1/6W.
R705A	PHI	0790139307 Carbon 1 KΩ 5% 1/2W.	R902	0790036305	Carbon 2,2 KΩ 5% 1/4W.
R705B	SAM	0790552418 Metal Film Res. 220 OHM 5% 2W.	R903	0790026207	Carbon 560 Ω 5% 1/4W.
R706		0790251003 R.M.G. SMD 10 KΩ T<=5%	R904	0790126700	Carbon 100 Ω 5% 1/6W.
R708		0790251003 R.M.G. SMD 10 KΩ T<=5%	R905	0790036305	Carbon 2,2 KΩ 5% 1/4W.
R711		0790349203 Metal Film 1,82 KΩ 1% 0,4W.	R906	0790155105	Carbon 22 KΩ 5% 1/4W.
R712		0790349203 Metal Film 1,82 KΩ 1% 0,4W.	R907	0790749402	R.M.G. SMD 6,8 KΩ T<=5%
R750A	▲	0790539662 Metal Film 22 Ω 5% 2W.	R908	0790225502	R.M.G. SMD 75 Ω T<=5%
R751		0790251003 R.M.G. SMD 10 KΩ T<=5%	R909	0790725907	SMD 75 Ω 5% 0,25W.
R752		0790248009 R.M.G. SMD 5,6 KΩ T<=5%	R910	0790155105	Carbon 22 KΩ 5% 1/4W.
R753		0790163000 Carbon 100 KΩ 5% 1/6W	R911	0790749402	R.M.G. SMD 6,8 KΩ T<=5%
R754		0790586309 Metal Film 68 KΩ 1% 0,6W	R912	0790026207	Carbon 560 Ω 5% 1/4W.
R755		0790239008 R.M.G. SMD 1 KΩ T<=5%	R913	0790227003	R.M.G. SMD 100 Ω T<=5%
R756		0790127104 Carbon 100 Ω 5% 1/4W.	R914	0790026207	Carbon 560 Ω 5% 1/4W.
R757		0790255004 R.M.G. SMD 22 KΩ T<=5%	R915	0790227003	R.M.G. SMD 100 Ω T<=5%
R758		0790255004 R.M.G. SMD 22 KΩ T<=5%	R916	0790036305	Carbon 2,2 KΩ 5% 1/4W.
R759		0790155600 Carbon 22 KΩ 5% 1/6W.	R917	0790036305	Carbon 2,2 KΩ 5% 1/4W.
R760A	▲	0790536437 Metal Film 10 Ω 5% 2W.	R918	0790141600	Carbon 1,5 KΩ 5% 1/6W.
R761		0790138804 Carbon 1 KΩ 5% 1/6W.	R919	0790141600	Carbon 1,5 KΩ 5% 1/6W.
R762		0790251003 R.M.G. SMD 10 KΩ T<=5%	R920	0790141600	Carbon 1,5 KΩ 5% 1/6W.
R763		0790126700 Carbon 100 Ω 5% 1/6W.	R921	0790134001	Carbon 390 Ω 5% 1/6W
R803		0790255004 R.M.G. SMD 22 KΩ T<=5%	R922	0790225502	R.M.G. SMD 75 Ω T<=5%
R804	PHI	0790741805 R.M.G. SMD 1,5 KΩ T<=5%	R923	0790225502	R.M.G. SMD 75 Ω T<=5%
R804	SAM	0790243000 R.M.G. SMD 2,2 KOHM T<=5%	R924	0790225502	R.M.G. SMD 75 Ω T<=5%
R805		0790590111 Metal Film 150 KΩ 5% 2W.	R925	0790225502	R.M.G. SMD 75 Ω T<=5%
R806		0790255004 R.M.G. SMD 22 KΩ T<=5%	R926	0790125900	Carbon 75 Ω 5% 1/6W.
R808		0790243000 R.M.G. SMD 2,2 KΩ T<=5%	R927	0790725907	SMD 75 Ω 5% 0,25W. 1206
R810	▲	0790513014 Fuse 0,33 Ω 5% 0,5W.	R928	0790146401	Carbon 3,9 KΩ 5% 1/6W.
R811	▲	0790609002 Metal GLAZE 8,2 MΩ 5% 1W.	R929	0790246003	R.M.G. SMD 3,9 KΩ T<=5%
R812	▲	0470040007 Jumper Lead 0,6 mm.	R930	0790246003	R.M.G. SMD 3,9 KΩ T<=5%
R813	PHI	0790765408 R.M.G. SMD 150 KΩ T<=5%	R931	0790227003	R.M.G. SMD 100 Ω T<=5%
R813	SAM	0790764005 R.M.G. SMD 120 KOHM T<=5%	R932	0790227003	R.M.G. SMD 100 Ω T<=5%
R814	PHI	0790888101 R.M.G. SMD 9,1 KΩ T<=5%	R933	0790227003	R.M.G. SMD 100 Ω T<=5%
R814	SAM	0790151203 R.M.G. SMD 11 KOHM 5% 1/10W	R934	0790135701	Carbon 470 Ω 5% 1/6W.
R815		0790153605 Carbon 15 KΩ 5% 1/6W	R935	0790550701	Metal Film 150 Ω 1% 0,6W.
R816		0790138002 Carbon 750 Ω 5% 1/4W.	R936	0790135701	Carbon 470 Ω 5% 1/6W.
R817		0790121206 Carbon 33 Ω 5% 1/4W.	R938	0470040007	Jumper Lead 0,6 mm.
R818		0790135206 Carbon 470 Ω 5% 1/4W.	R939	0470040007	Jumper Lead 0,6 mm.
R819		0790247001 R.M.G. SMD 4,7 KΩ T<=5%	R940	0790225502	R.M.G. SMD 75 Ω T<=5%
R820		0790206502 Metal Film 0,36 Ω 5% 1,2W.	R941	0790328603	Metal Film 75 Ω 1% 0,6W.
R821		0790206502 Metal Film 0,36 Ω 5% 1,2W.	R942	0790239008	R.M.G. SMD 1 KΩ T<=5%
R851		0790239008 R.M.G. SMD 1 KΩ T<=5%	R943	0790239008	R.M.G. SMD 1 KΩ T<=5%
R852		0790247001 R.M.G. SMD 4,7 KΩ T<=5%	R945	0790225502	R.M.G. SMD 75 Ω T<=5%
R853		0790237002 R.M.G. SMD 680 Ω T<=5%	R946	0790225502	R.M.G. SMD 75 Ω T<=5%
R854		0790239008 R.M.G. SMD 1 KΩ T<=5%	R947	0790225502	R.M.G. SMD 75 Ω T<=5%
R855		0790593909 Metal Film 267 KΩ 1% 0,6W	R948	0790251003	R.M.G. SMD 10 KΩ T<=5%
R856		0790353007 R.M.G. SMD 4,87 KΩ 1% 1/8W	R949	0790239008	R.M.G. SMD 1 KΩ T<=5%
R857		0790592307 Metal Film 220 KΩ 1% 0,6W.	R950	0790255004	R.M.G. SMD 22 KΩ T<=5%
R858		0790239008 R.M.G. SMD 1 KΩ T<=5%	SF200	*	0090413204 SAW Filter K3953M
R859		0790256002 R.M.G. SMD 27 KΩ T<=5%	SF201	*	0090414806 SAW Filter K9456M
R860		0790363105 R.M.G. SMD 18 KΩ T<=5%	SF250	*	0090413600 Ceramic Filter MKT40.4MA110P
R861		0790255004 R.M.G. SMD 22 KΩ T<=5%	S900		0330162603 Scart Connector 21 PIN BLACK
R862		0790255004 R.M.G. SMD 22 KΩ T<=5%	S901		0330162702 Scart Connector 21 PIN BLUE
R863		0790251003 R.M.G. SMD 10 KΩ T<=5%	TUNER		
R864		0790251003 R.M.G. SMD 10 KΩ T<=5%	TU250		0850102617 Tuner UV1315/AI-2
R865		0790251003 R.M.G. SMD 10 KΩ T<=5%	TRANSFORMERS		
R866		0790239008 R.M.G. SMD 1 KΩ T<=5%	T600		0940200801 Driver Transformer 800T/20T
R867		0790741805 R.M.G. SMD 1,5 KΩ T<=5%	T650C	▲	0940109903 FBT 29" MBO EB5-C HFT2307
R868		0790583603 Metal Film 62 KΩ 5% 2W.	T650CF	▲	0330160508 FOCUS Wire FBT SANYO
R869		0790363105 R.M.G. SMD 18 KΩ T<=5%	T800	*▲	0930108600 Switch MODE Transformer EB5-C 29"
R870		0790127104 Carbon 100 Ω 5% 1/4W.	VR850		0770512408 VR 470 Ω
R871		0790767008 Carbon 220 KΩ 5% 1/6W.	X100		0090122706 Quartz Crystal 12 MHz 20pF
R872		0790178602 Carbon 1,6 MΩ 5% 1/6W.	X400		0090122706 Quartz Crystal 12 MHz 20pF
R873		0790251003 R.M.G. SMD 10 KΩ T<=5%			
R874		0790255004 R.M.G. SMD 22 KΩ T<=5%			
R876		0790259006 R.M.G. SMD 47 KΩ T<=5%			
R877		0790239008 R.M.G. SMD 1 KΩ T<=5%			
R878		0790000103 SMD 0,33 Ω 5% 0,25W.			
R879		0790000103 SMD 0,33 Ω 5% 0,25W.			
R880		0790597108 Metal Film 470 KΩ 5% 0,6W			
R881		0790155600 Carbon 22 KΩ 5% 1/6W.			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
AUDIO PCB					
CAPACITORS					
C1301	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	L1304	0620005801	Ferrite SMD 0805 1K/100MHz 0,2A
C1302	0230480808	Ceramic SMD 10 nF. 10% 50V.	L1305	0090316506	Peaking Coil 2,2 µH.10% RADIAL
C1303	0230600702	Ceramic SMD 100 nF. 10% 25V.	L1306	0620005801	Ferrite SMD 0805 1K/100MHz 0,2A
C1304	0230480808	Ceramic SMD 10 nF. 10% 50V.	L1307	0620005801	Ferrite SMD 0805 1K/100MHz 0,2A
C1305	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	L1308	0090316506	Peaking Coil 2,2 µH.10% RADIAL
C1306	0230480808	Ceramic SMD 10 nF. 10% 50V.	L1309	0620011502	Ferrite SMD 0603 600 Ω/100MHz
C1307	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	L1310	0620005801	Ferrite SMD 0805 1K/100MHz 0,2A
C1308	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	PCB14	⚠	0750153926 AUDIO PCB EB5-C
C1309	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	TRANSISTORS		
C1310	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	Q1300	0360320600	BRT SMD PDTC124ET
C1311	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	Q1301	0360320600	BRT SMD PDTC124ET
C1312	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	RESISTORS		
C1313 *	0230240400	Ceramic SMD 100 pF. 5% 50V.	R1300	0790227003	R.M.G. SMD 100 Ω T<=5%
C1314 *	0230240400	Ceramic SMD 100 pF. 5% 50V.	R1301	0790227003	R.M.G. SMD 100 Ω T<=5%
C1319	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	R1302	0790251003	R.M.G. SMD 10 KΩ T<=5%
C1320	0250410859	Electrolytic 47 µF. 25V.	R1303	0790255004	R.M.G. SMD 22 KΩ T<=5%
C1323	0250410859	Electrolytic 47 µF. 25V.	R1304	0790701106	R.M.G. SMD 0 Ω 1/10W.
C1324	0230320707	Ceramic SMD 470 pF. 10% 50V.	R1305	0790701106	R.M.G. SMD 0 Ω 1/10W.
C1326	0230320707	Ceramic SMD 470 pF. 10% 50V.	R1306	0790247001	R.M.G. SMD 4,7 KΩ T<=5%
C1328	0230320707	Ceramic SMD 470 pF. 10% 50V.	R1309	0790239008	R.M.G. SMD 1 KΩ T<=5%
C1330	0230320707	Ceramic SMD 470 pF. 10% 50V.	R1310	0790752208	R.M.G. SMD 12 KΩ T<=5%
C1332	0250410859	Electrolytic 47 µF. 25V.	R1311	0790752208	R.M.G. SMD 12 KΩ T<=5%
C1333	0230480808	Ceramic SMD 10 nF. 10% 50V.	R1312	0790752208	R.M.G. SMD 12 KΩ T<=5%
C1334	0230480808	Ceramic SMD 10 nF. 10% 50V.	R1313	0790752208	R.M.G. SMD 12 KΩ T<=5%
C1335	0230480808	Ceramic SMD 10 nF. 10% 50V.	R1314	0790752208	R.M.G. SMD 12 KΩ T<=5%
C1336	0230480808	Ceramic SMD 10 nF. 10% 50V.	R1315	0790752208	R.M.G. SMD 12 KΩ T<=5%
C1338	0230480808	Ceramic SMD 10 nF. 10% 50V.	R1316	0790232003	R.M.G. SMD 270 Ω T<=5%
C1339	0230480808	Ceramic SMD 10 nF. 10% 50V.	R1321	0790247001	R.M.G. SMD 4,7 KΩ T<=5%
C1340	0230480808	Ceramic SMD 10 nF. 10% 50V.	X1300	0090121906	Quartz Crystal 24.576 MHz
C1341	0250321072	Electrolytic 10 µF. 63V.	PWB ASSY FRONT		
C1342	0230480808	Ceramic SMD 10 nF. 10% 50V.			
C1343	0230720203	Ceramic SMD 1 µF. 16V. +80-20%			
C1344	0230720203	Ceramic SMD 1 µF. 16V. +80-20%			
C1380	0230600702	Ceramic SMD 100 nF. 10% 25V.			
C1381	0250410859	Electrolytic 47 µF. 25V.			
C1382	0250280856	Electrolytic 4,7 µF. 100V.			
C1383	0250220472	Electrolytic 1 µF. 100V.			
C1384	0270241136	Polyester 15 nF. 5% 63V.			
C1385	0230320608	Ceramic SMD 470 pF. 5% 50V.			
C1386	0250280856	Electrolytic 4,7 µF. 100V.			
C1387	0250280856	Electrolytic 4,7 µF. 100V.			
C1388	0270222037	Polyester 10 nF. 5% 63V.			
C1389	0270311137	Polyester 56 nF. 5% 63V.			
C1390	0250410859	Electrolytic 47 µF. 25V.			
C1391	0270311137	Polyester 56 nF. 5% 63V.			
C1392	0270222037	Polyester 10 nF. 5% 63V.			
C1393	0250280856	Electrolytic 4,7 µF. 100V.			
C1394	0250280856	Electrolytic 4,7 µF. 100V.			
C1395	0230320608	Ceramic SMD 470 pF. 5% 50V.			
C1396	0270241136	Polyester 15 nF. 5% 63V.			
C1397	0250220472	Electrolytic 1 µF. 100V.			
C1398	0250280856	Electrolytic 4,7 µF. 100V.			
C1399	0230600702	Ceramic SMD 100 nF. 10% 25V.			
DIODES					
D1301	0360602213	Zener SMD BZT55C5V1			
D1302	0360602213	Zener SMD BZT55C5V1			
D1303	0360602213	Zener SMD BZT55C5V1			
D1304	0360602213	Zener SMD BZT55C5V1			
CIRCUITOS INTEGRADOS					
IC1300	0360517700	TDA 9875AH V2			
IC1380	0360517403	BA3880AFS			
K1300	0330330101	8P. Connector			
K1301	0330330101	8P. Connector			
K1302	0330198706	10 P. Connector			
COILS					
L1300	0620011502	Ferrite SMD 0603 600 Ω/100MHz			
L1301	0620011502	Ferrite SMD 0603 600 Ω/100MHz			
L1302	0620011502	Ferrite SMD 0603 600 Ω/100MHz			
L1303	0620011502	Ferrite SMD 0603 600 Ω/100MHz			
DIODE					
D1800	0360126205	Red/Green 3 mm.			
D1801	0360130819	1N 4148			
D1840	0360103204	Zener BZX79C5V1			
D1841	0360103204	Zener BZX79C5V1			
FAF	0330271305	2P. Socket W/ CLIP			
FCF	0330270307	2P. Socket			
FEF	0330271305	2P. Socket W/ CLIP			
F1800	⚠	0330110503 Fuse T 2 A./250V. TIME-LAG			
KVAF	0330191701	2P. Socket			
COILS					
L1800	★⚠	0090412206 Mains Filter 2X27 MH 250VAC 1A			
L1801	SAM	0090413808 PFC Coil 65 MH 1,05A 47X44X39			
L1830	★	0090319765 Peaking Coil 22 µH. 10% I MAX=130MA			
L1831	★	0090319765 Peaking Coil 22 µH. 10% I MAX=130MA			
L1840	★	0090315029 Peaking Coil 10 µH. 10%			

Ref. No.		Part No.	Description
L1841	*	0090315029	Peaking Coil 10 μ H. 10%
L1842	*	0090315029	Peaking Coil 10 μ H. 10%
PCB20	△	0750154023	PWB Front EB5-C
PF1800		0760100701	Fuse Terminal Taped
PL1802		0130209414	Push Switch L-3,85MM
PL1803		0130209414	Push Switch L-3,85MM
PL1804		0130209414	Push Switch L-3,85MM
PL1805		0130209414	Push Switch L-3,85MM
PT1801	△	0810101907	P.T.C. 18 Ω
RE1800	△	0090117003	Degaussing RELE 250V/5A 5V/100 Ω
RI1800		0600123509	Infrared Receiver SPS-443-1-E
RESISTORS			
R1800	△	0790180111	Carbon 2,2 M Ω 5% 1/2W.
R1801	△	0790184113	Carbon 4,7 M Ω 5% 1/2W.
R1802		0790135206	Carbon 470 Ω 5% 1/4W.
R1805	PHI	0780142006	Wirewound 1,5 Ω 10% 5W.
R1812		0790357024	Metal Film 7,50 K Ω 1% 0,4W.
R1813		0790360705	Metal Film 12,0 K Ω 1% 0,4W.
R1814		0790581201	Thin Film RES. 33,2 K Ω 1% 0,6W
R1815		0790583306	Metal Film 51,1 K Ω 1% 0,4W.
R1840		0790036305	Carbon 2,2 K Ω 5% 1/4W.
R1841		0790036305	Carbon 2,2 K Ω 5% 1/4W.
R1842		0790125702	Carbon 75 Ω 5% 1/4W.
SW1800	△	0140204306	Main AC Switch Without Wiper
S1800		0330729807	Phone Jack Stereo W/Disconnection
S1801		0330159708	3 RCA'S Assembly

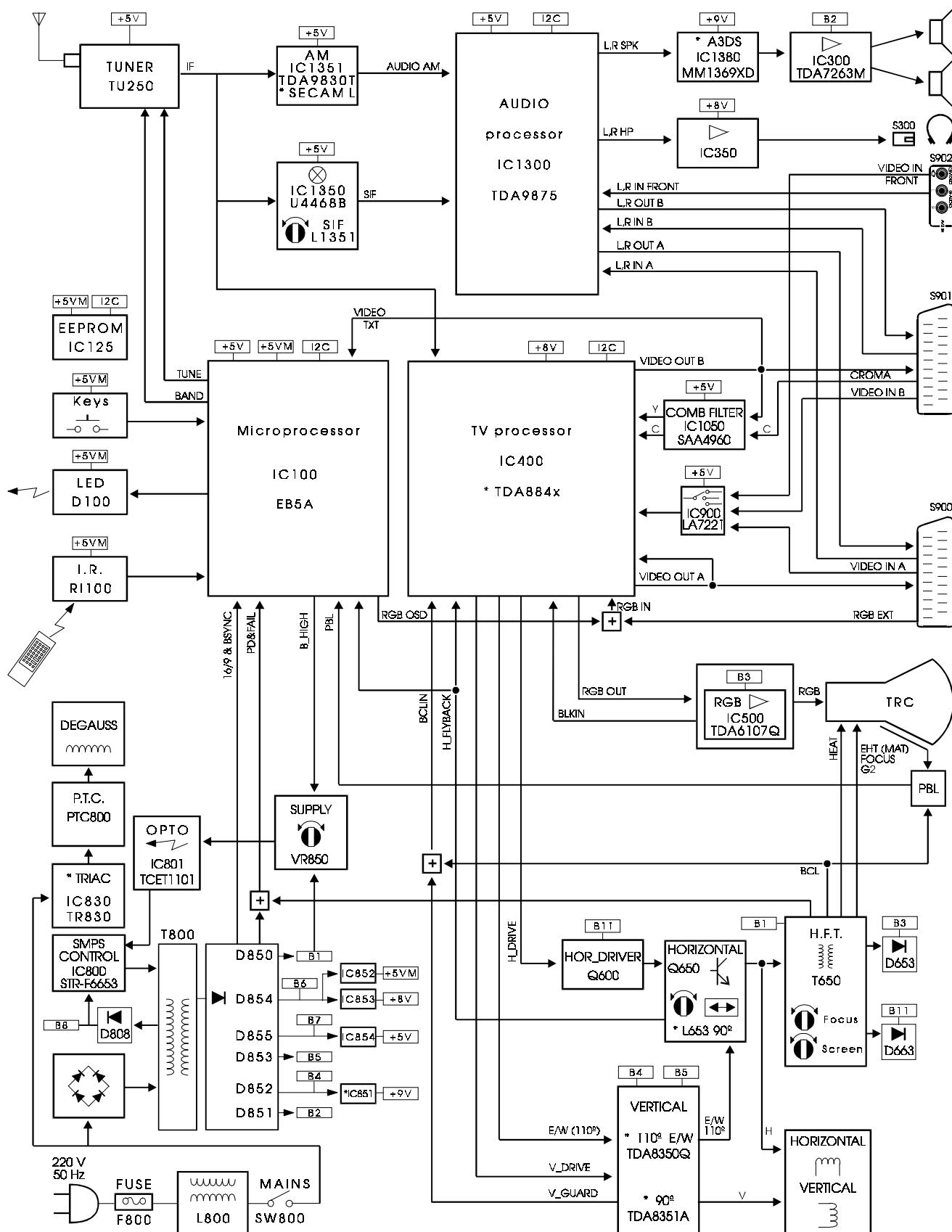
ELECTRICAL ASSY

AM1		0010203909	Insulating RING HV CABLE
BRDEFL		0010203503	Wire Band 98/2.5 Natural
BRDGA		0010204105	DC Holder-S4LF-C
BRDGB		0010204105	DC Holder-S4LF-C
BRDGC		0010204105	DC Holder-S4LF-C
BRDGI		0010203313	Holder DC GBR-HBZ
BRDGS		0010203313	Holder DC GBR-HBZ
BRDG1		0010204006	Wire Band 370/3,6 Natural
BRDG2		0010203503	Wire Band 98/2.5 Natural
BFRH		0200099406	Wire HOLDING HOOK G
BRSPK1		0010203503	Wire Band 98/2.5 Natural
BRSPK2		0010203503	Wire Band 98/2.5 Natural
CN_FB1		0330271701	2P Connector W/LEADS 630+33 MM
CN_FB2	△	0330270901	2P Connector W/LEADS 770+33 MM
CN_FE		0330162918	Power Cord Assy L=2500 MM
CN_FF1		0330272402	Connector Assy W/LEAD 500mm.
CN_FF2		0330272501	Connector Assy W/LEAD 500mm.
CN_FT1		0160202404	Wire Red + Black 210/4/33
CN_FT2		0160202503	Wire Yellow + Black 210/4/33
CSPK3		0250248333	Electrolytic N.P. 2,2 μ F 50V
CSPK4		0250248333	Electrolytic N.P. 2,2 μ F 50V
LDG	△	0090257908	Degausing Coil 28"
SC001		0170200406	Shield Mesh 2 mm.
SC1001		0010110708	GroundING Spring
SPK1		0030118418	Speaker 8 Ω 12W. 120X60
SPK2		0030118418	Speaker 8 Ω 12W. 120X60
SPK3		0030118608	Speaker Dome Tweeter 8 Ω 10W
SPK4		0030118608	Speaker Dome Tweeter 8 Ω 10W
TRC	△ PHI	1000110104	C.R.T. 29" A68ERF012X013 PHILIPS

Ref. No.		Part No.	Description
TRC	△ SAM	1000110807	C.R.T. 29" A68QCP993X001 SAMSUNG
PACKING			
BAT		0660100611	2 Dry Battery PACK 1,5V. SUM-3F/2S
EM 1		0190206417	Packing Cartoon 29" FLAT
EM 2		0190162008	Upper Cushion Assy 29" FLAT
EM 3		0190162107	Bottom Cushion Assy 29" FLAT
EM 7	△	0420247504	Inst. Manual CE29FFV2-F 29"(GB/F/D)
EM 7-1	△	0420247603	Inst. Manual CE29FFV2-F 29" (GR/NL/I)
EM 7-2	△	0420247702	Inst. Manual CE29FFV2-F 29" (SF/S/DK)
EM10		0600123707	Remote Control EB5-C

Note: All the information of this manual is correct in the beginning of the series; SANYO España, S.A. reserves the right to modify components and procedures to maintain its policy of continuous improvement.

11 Block diagram



*OPTION: DEPENDING ON MODEL

12 Power supply

First, let's define some TV states or working modes to clarify later explanations:

State	Description
SMPS_B_LOW	The power supply is in low consumption (low voltage). The deflection is stopped.
SMPS_B_HIGH	The power supply works at nominal voltage. The deflection can be on or off.
STANDBY	The micro stops "B_HIGH" port oscillation and the power supply is on "SMPS_B_LOW".
ON	The power supply is on "SMPS_B_HIGH" and deflections are on.
ERROR_N	Protect situation. The power supply is on SMPS_B_LOW and the micro shows the error by the led indicator. The TV is not allowed to switch-on (except ERROR_5).

The power supply works in switched mode with "flyback" self oscillating topology and with control in current mode. The outputs of the source are shown in the block diagram. Also there are:

- B8: feeds the power supply controller. The initial source in switch-on situation is extracted through R803+R816.
- B9: feeds the optocoupler primary part.

The power supply sends two signals to the micro processor:

- -PD&FAIL: Switch-off immediately (mains off).
- 16/9&BSYNC: Mains pulses synchronism and 16/9 control. The micro analyses this line in order to switch correctly from SMPS_B_LOW to SMPS_B_HIGH.

In STAND-BY mode all the voltage outputs are reduced except the microprocessor supply (it remains at 5 volts). The triac TR830 disconnects the PTC800 supply.

13 Microprocessor and Teletext

The microprocessor (IC100) main tasks are the following:

- video processor control
- audio processor control
- NVM access
- IR decoding
- Teletext processing and display
- OSD generation
- tuning and AFT
- failure checking
- ...

14 Video processor/Comb filter

The video processor (IC400) has the following functional blocks: video Intermediate frequency, mono sound (not used), vertical and horizontal synchronism, geometry processor, video switching and filtering, colour decoder and RGB processing. All the adjustments are performed by the microprocessor via the I2C bus.

14.1 Video Intermediate Frequency Section

- I.F Amplifier: The input signal comes from the tuner (TU250) through the S.A.W. filter SF200 (band pass filter of the video information and the picture carrier).
- PLL Demodulator and VCO: The VCO does not need any adjust neither external coil. The frequency adjustment is performed through the I2C bus. The components associated with the PLL are connected to the pin 5 (PLLLF).
- Video buffer: The demodulated video signal is present at pin 6 (IFVO) with a typical level of 2Vpp.
- AGC: It controls the IF amplifier gain in order to maintain its amplitude constant. The capacitor connected to the pin 53 (DECAGC) determines the AGC time constant.
- Tuner AGC: It reduces the gain when a high level aerial signal is received. The level at which this reduction is performed is I2C bus adjusted (AGC in the service menu).
- AFC: The AFC information is accessible via I2C bus.
- Video identification: The video identification information is accessible via I2C bus.

14.2 Horizontal and vertical synchronisation

- Horizontal sync separator
- Horizontal oscillator: it is internal and only needs the crystal oscillator X400 as a reference frequency.
- PHI-1 detector: It is a PLL that synchronises the horizontal oscillator with the video signal. The components associated with the PHI-1 are connected to the pin 43 (PH1LF). The PHI-1 time constant and the noise detector are controlled via I2C bus.

- PHI-2 detector and Sandcastle generator: The PHI-2 detector performs a stable picture. It synchronises the horizontal oscillator with the horizontal flyback signal (pin 41, FBISO) to generate the horizontal output (pin 40, HOUT). . The components associated with the PHI-2 are connected to the pin 42 (PH2LF). The picture phase is adjusted via I2C (HOR SHIFT in the service menu). The flyback input pin 41 (FBISO) is combined with the sandcastle output and provides a three level sandcastle signal. The levels are: 2V → vertical retrace; 3V → horizontal retrace; 5.3V → Burstkey.
- Horizontal output (pin 40, HOUT): It is a open collector type and the duty cycle in normal condition is 45% high and 55% low. A built in slow start/stop circuit ensures a smooth start/stop behaviour of the line deflection. Also during switching off via stand by the RGB drive is set to maximum to discharge the EHT CRT capacitance.
- Coincidence detector
- Vertical sync separator
- Vertical divider

14.3 Geometry

- Vertical sawtooth generator: it delivers the reference signals for vertical and horizontal geometry processor. An accurate reference current is used to charge the external capacitor during vertical scan. The resistor R426 in pin 52 (IREF) determines this reference current. It is a Metal Film resistor with 1% tolerance in order to provide a temperature stabilisation and lower dispersion. The ramp capacitor (C425) is connected to pin 51 (VCS). It is a polycarbon one in order to provide temperature stabilisation.
- Vertical geometry processor: it performs the sawtooth signal and it has a differential current output in pins 47 (VDRA) and 46 (VDRB) for a DC coupled vertical output stage (drive). Control functions accessible via I2C are VERT SLOPE, VERT AMPL, S-CORREC, VERT SHIFT (see service menu).
- Horizontal geometry processor (E/W drive): it has a single-ended current output for E-W drive (pin 45 EWD). This current is amplified and applied to the diode modulator of the horizontal deflection. The adjustments are accessible via I2C (EW AMPLIT, PARABOLA, CORNER PAR, TRAPEZIUM in the service menu).
- EHT tracking (pin 50, EHTO): this tracking makes the picture size independent of EHT variations due to the beam current.

14.4 Filters and video switches

- Video signal selection: the input selector has CVBS_INT(pin 13), CVBS_EXT (pin 17), CVBS/Y (pin11) and CHROMA (pin 10) as inputs which can be selected via I2C bus. The selected video signal is present at pin 38 (CVBSO).
- Filter calibration: it is an auto-tuning loop which calibrates every field retrace. The filters are the chrominance bandpass and the chrominance trap.
- Chrominance signal processing: this circuit keeps constant the colour saturation level.
- Luminance signal processing: the selected video signal is supplied to the chrominance trap. The output signal is supplied to the peaking and coring stages. Both are controlled via I2C bus. The output (pin 28 LUMOUT) is fed through a band pass filter (L409, R439 and C440) as internal luminance signal (pin 27 LUMIN).

14.5 Colour decoder

- PLL/VCXO: The PLL operates during the burstkey period. In the lock condition the VCXO reference signal (X400 in pin 35) and the burstkey become synchronous. An optimum transient response can be chosen with the loop filter connected to pin 36 (DET). The reference output (4.43MHz in pin 33) can be used for comb filter applications.
- PAL/NTSC Demodulation: The reference signals from the VCXO are supplied to the HUE phase rotator; its outputs are supplied to the (R-Y) and (B-Y) demodulators. The (B-Y)/(R-Y) baseband signals are filtered and supplied via the PAL/SECAM switch to the internal baseband delay line. The signals from the delay line are RYO (pin 30) and BYO (pin 29).
- SECAM Demodulation: It is realised with a PLL type demodulator. The SECAM reference voltage is generated at pin 16 (SECPLL). The demodulated signal is distributed to the (R-Y) and (B-Y) amplifiers and via de PAL/SECAM switch to the baseband delay line.
- Automatic system manager: it can identify PAL/SECAM/NTSC colour standards. The different possibilities are controlled by the I2C bus.

14.6 RGB Processing

- (R-Y)/(B-Y) processing/matrixing: The amplitude of this signals (pins 32 (RYI) and 31 (BYI)) is controlled via the I2C bus (colour saturation) and also this signals are supplied to dynamic skin control. After the R-Y and B-Y matrixing, the output signals are added with the luminance signal in order to generate the internal RGB signals.
- RGB selector: it is controlled by the FB signal in signal 26 (RGBIN). The external RGB signals are present in pins 23 (RI), 24 (GI) and 25 (BI). The RGB selector output is fed to then RGB control.

14.7 RGB Control

- Contrast and brightness control: There are I²C bus controlled. These adjustments can be reduced by the beam current limiter stage. Furthermore, contrast is affected by the Peak Beam Limiter (Q670 and Q671 circuitry). This circuit's output is the PBL signal to microprocessor's pin 11 and must be 5V with a black pattern on the screen.
- Beam current limiter/vertical guard: The BCLIN (pin 22) input circuit functions as an average beam current limiter as well as a peak white limiter. The vertical deflection works correctly when there is a pulse level above 3.7V during the vertical retrace. The vertical guard function can be I²C controlled. The contrast and brightness reduction begins when BCLIN level is below 3.0V and 2.0V respectively.
- Continuous cathode calibration (AKB): it is divided into two loops: a black level stabilisation and a cathode drive stabilisation. Each gun of the CRT is stabilised sequentially and independently and a feedback current flows to the black current input (pin 18 BLKIN) supplied by the RGB amplifier (IC500). In order to change the cathode levels at the picture tube three I²C bits are available.
- White point adjust and blue stretcher.

14.8 Supply and bandgap decoupling

The IC400 has two supply pins 12 and 37. Both pins must be supplied simultaneously. The nominal supply voltage is 8V. The pins 14 and 44 must be connected to ground.

The bandgap circuit provides a very stable and temperature independent reference voltage that ensures optimal performance of the video processor. Short decoupling (pin 9 DECBG) to pin 14 of the external capacitor is important for stable horizontal drive.

The comb-filter (IC1050) is only performed with a PAL signal. To enhance the image quality its main features are: cross colour reduction (only at vertical frequencies), cross luminance reduction and improved video bandwidth.

The input signal is composite video. It comes from the IC400 (pin 38 CVBSO) to the pin 17 (YEXT/CVBS). It is processed internally and the resultant signals are Luminance (pin 14 Y0) and chrominance (pin 12 C0). These signals return to the colour decoder in the video processor. The comb-filter is switched on through the I²C bus by writing a bit in the video processor. This one outputs a 4.43MHz signal on the REFO port superposed to a high level one.

With SECAM, NTSC or S-VHS signals the comb-filter is disabled. It bypasses the luminance (pin 17 - YEXT/CVBS- to pin 14 -YO-) and chrominance (pin 10 -CEXT- to pin 12 -CO-) signals. The video processor outputs a low level on pin 33.

In the models without the comb-filter, the jumpers JO1050 and JO1051 bypass the signals.

15 Audio processor/A3D Surround/Output amplifiers/Sound IF

The audio processor (IC1300) is controlled via I²C bus. It has 3 main sections: analog, digital and DSP (digital signal processing).

- The analog part takes: audio input and output switching, A/D and D/A conversion of input/output sound signals.
- The digital part: demodulates FM (multistandard) and decodes the two carrier signals, controls the sound IF AGC, demodulates DQPSK (multistandard) and decodes NICAM.
- The DSP section takes: sound controls, sound effects for loudspeakers, mute for loudspeakers and headphones, beeper (alarm function) and digital audio switching matrix.

The IC1380 produces the Active 3D Surround (A3DS) effect. The models without A3DS effect use the jumpers JO1381 and JO1382 to bypass the audio signals to the audio amplifier for loudspeakers.

IC300 is the stereo audio amplifier for loudspeakers, it has a variable gain through the resistive dividers R303/R304 and R305/R306 (for channels L and R respectively). The power driven is approximately 8W rms. at 10% of distortion (each channel). The input pins (1 and 5) are connected to the audio processor (IC1300) or to the Active 3D Surround in models that have this feature. Pins 10 and 8 are the loudspeakers power outputs (channels L and R respectively). The microprocessor can mute the audio by setting high the MUTE signal. This pin is used only at TV set switch-on and off and in case of bad aerial reception. In all other situations the mute function is performed by the IC1300.

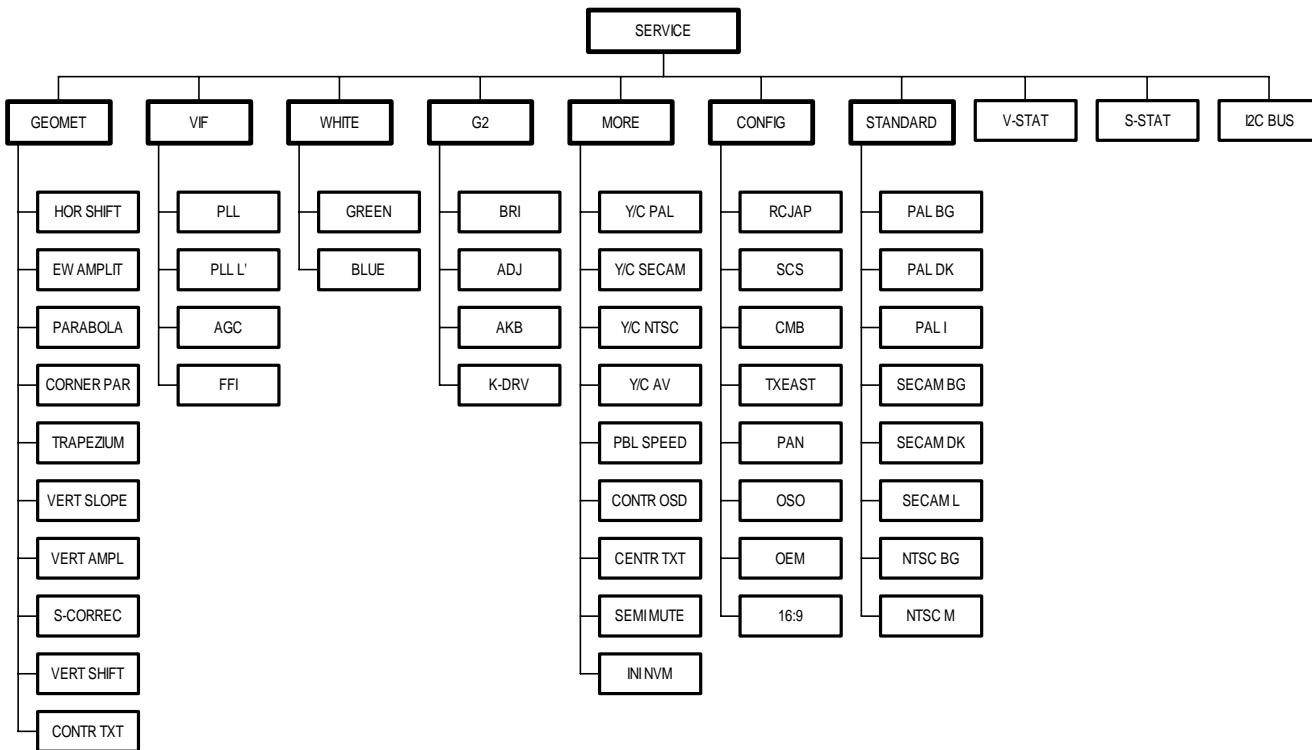
A fixed gain stereo amplifier is used for headphones (IC350). The input pins (7 and 6 for channels L and R) come from the audio processor headphones outputs. The headphones connector outputs are the pins 1 and 3. The microprocessor detects the headphones presence via the HP_SW signal. The MUTE signal also affects the headphones audio.

The FM or NICAM-modulated sound IF signal, which inputs the audio processor, is produced by the sound IF circuit, IC1350. This IC takes the signal from the tuner and converts it to the intercarrier frequency. The internal VCO frequency is adjusted by means of L1351.

16 Service menu

The service menu is accessed by holding down the front key "VOL-" and simultaneously pressing the teletext green key from the remote control. The service menu is a two level structure as shown in the diagram below. The active keys (local or remote) in service mode are: VOL-, VOL+, P-, P+, MENU and the digits. The navigation through this menu works the same than in the user menu.

- * The P+ and P- keys allow to navigate through the options in the active menu.
- * The VOL+ key opens the second level menu if available. If there is a highlighted adjustment, the VOL- and VOL+ keys allow to change it.
- * The MENU key goes back one level menu. If the active menu is the main one, it exits the service mode.
- * The digit keys allow direct entry for adjustments.
- * The SERVICE mode is exited by pressing any other key.



Adjustment	Meaning	Range	Initial value	Suggested value
HOR SHIFT	Horizontal phase	0 to 63	37	-
EW AMPLIT	Horizontal width	0 to 63	57	- Irrelevant in 90° deflection models
PARABOLA	E/W correction	0 to 63	38	- Irrelevant in 90° deflection models
CORNER PAR	E/W corner correction	0 to 63	30	- Irrelevant in 90° deflection models
TRAPEZIUM	Trapezium correction	0 to 63	21	- Irrelevant in 90° deflection models
VERT SLOPE	Ramp generator amplitude	0 to 63	36	-
VERT AMPL	Vertical amplitude	0 to 63	40	-
S-CORREC	Vertical S-correction	0 to 63	18	-
VERT SHIFT	Vertical centre	0 to 63	36	-
PLL	PLL of video IF	0 to 127	80	80 (imperative)
PLL L'	PLL of video IF in L' system	0 to 127	80	80 (imperative)
AGC	Automatic gain control	0 to 63	16	-
GREEN	White point, green gain	0 to 63	40	-
BLUE	White point, blue gain	0 to 63	36	-
BRI	G2 adjust brightness level	0 to 63	32	0 if cut-off = 160V 5 if cut-off = 150V 32 if cut-off = 130V
ADJ	Service Line Adjust	-	-	-
AKB	Enable/Disable AKB servo	ON/OFF	ON	ON
K-DRV	RGB Drive	0 to 7	5	5 in Ph110° 4 in 90°
Y/C PAL	PAL Phase luma-croma	0 to 15	03	03 in models PAL B/G 110° Irrelevant in 90° models
Y/C SECAM	SECAM Phase luma-croma	0 to 15	00	00 Irrelevant in 90° models
Y/C NTSC	NTSC Phase luma-croma	0 to 15	03	03 Irrelevant in 90° models
Y/C AV	AV inputs Phase luma-croma	0 to 15	10	10 Irrelevant in 90° models
PBL SPEED	Contrast reduction speed when PBL acts	0 to 63	9	9 in 100° models 18 in 90° models
CONTR OSD	OSD Contrast	0 to 63	25	25
CONTR TXT	TXT Contrast	0 to 63	18	18
CENTR TXT	OSD and TXT Centre	0 to 3	1	0
SEMI MUTE	Attenuation (dB) by pushing Mute once	0 to 63	15	15
INI NVM	Non volatile memory initialisation	-	-	-
FFI	PLL constant time of IF	ON/OFF	OFF	OFF
SCS	SCART connectors interchange	ON/OFF	OFF	Equals the OSD with the back cover label
CMB	Enable/Disable the Comb Filter	ON/OFF	OFF	ON in models with Comb-Filter OFF in models without Comb-Filter
TXEAST	Eastern characters set	ON/OFF	ON	ON
DSA	Skin tone correction angle	ON/OFF	OFF	OFF
OSO	HV discharge mode	ON/OFF	OFF	ON
OEM	TV set trade-mark	ON/OFF	OFF	OFF in SANYO models ON in others models
16:9	16:9 picture configuration	ON/OFF	OFF	OFF
PAL B/G	PAL B/G Configuration	ON/OFF	ON	ON
PAL D/K	PAL D/K Configuration	ON/OFF	ON	ON
PAL I	PAL I Configuration	ON/OFF	OFF	OFF
SECAM B/G	SECAM B/G Configuration	ON/OFF	OFF	OFF in PAL models ON in SECAM models
SECAM D/K	SECAM D/K Configuration	ON/OFF	OFF	OFF
SECAM L	SECAM L Configuration	ON/OFF	OFF	OFF
NTSC BG	NTSC 4.43MHz Configuration	ON/OFF	ON	ON
NTSC M	NTSC 3.58MHz Configuration	ON/OFF	OFF	OFF (imperative)
V-STAT	Video processor status	-	-	-
S-STAT	Sound processor status	-	-	-
I2C BUS	I ² C Bus stop	-	-	-
RCJAP	Remote control	ON/OFF	ON	ON
PAN	Panoramic	ON/OFF	ON	ON

17 Adjustment and repair procedures

ADJUSTMENT	SIGNAL	CONDITIONS	TEST POINTS	ADJUSTMENT POINT	ADJUSTMENT PROCEDURE	INSTRUMENTS
Power supply	Philips pattern	Picture: Normalised Sound: Minimum volume	B1 Cathode D850	VR800	Adjust to obtain: 150V ± 0.5V in CRTs Philips A59/A66EAK071X11 if C651 = 12 nF 148V ± 0.5V in CRTs Philips A59/A66EAK071X11 if C651 = 11 nF 148V ± 0.5V in CRTs Videocolor A59/A66EHJ43X38 150V ± 0.5V in CRTs Panasonic A59/A66ECF50X05 118V ± 0.5V in CRTs Philips A51EAL155X10/X11	Voltmeter DC Resolution >0,1V
AGC.	UHF Band - mid channel (e.g.CH25)	Aerial signal level: 60dBuV (1mVrms)	Pin 1 of TU250 (AGC)	SERVICE/VIF/AGC	Adjust to obtain 3,3V ±0,2V	Voltmeter DC Resolution >0,1V
Sound IF	Any picture		Pin 5 of IC1350	L1351	Adjust to obtain 2,3V ±0,15V	Voltmeter DC Resolution >0,1V
Vertical slope	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/GEOMETRY/VERT SLOPE	Adjust to achieve that the centre line of the Philips pattern matches the beginning of the service blanking	Visual adjustment
Vertical centre	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/GEOMETRY/VERT SHIFT	Adjust to centre the picture in vertical direction	Visual adjustment
Vertical size	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/ GEOMETRY/VERT AMPLIT	Adjust just to get the checked board hidden	Visual adjustment
Horizontal centre	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/ GEOMETRY/HOR SHIFT	Adjust to centre the picture in horizontal direction	Visual adjustment
Width (90°)	Philips pattern	Picture: Normalised	CRT Screen	L653	Adjust just to get the checked board hidden	Visual adjustment
Width (110°)	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/ GEOMETRY/EW AMPLIT	Adjust just to get the checked board hidden	Visual adjustment
Pin Cushion (110°)	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/ GEOMETRY/PARABOLA	Adjust to correct the pin cushion distortion in the way that vertical lateral lines become straight	Visual adjustment
Corner Pin Cushion (110°)	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/ GEOMETRY/CORNER PAR	Adjust to correct the pin cushion distortion in the corner in the way that vertical lateral lines become straight	Visual adjustment
Trapezium (110°)	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/ GEOMETRY/TRAPEZIUM	Adjust to obtain the lateral vertical lines parallel	Visual adjustment
G2	Philips pattern	Before SERVICE/G2/BRI must be: 32 en CRTs Philips A59/A66EAK071X11 0 en CRTs Philips A51EAL155X10/X11	CRT Screen	SERVICE/G2/ADJ SCREEN potentiometer	Adjust just to see the service line	Visual adjustment
White point	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/WHITE/GREEN SERVICE/WHITE/RED	Adjust to obtain a white tone acceptable	Visual adjustment
Focus	Philips pattern	Picture: Normalised	CRT Screen	FOCUS potentiometer	Adjust to obtain the best possible focusing in the centre of screen	Visual adjustment
TXT centre	Philips pattern	Picture: Normalised	CRT Screen	SERVICE/MORE/CENTR TXT	Adjust to centre the OSD in the screen	Visual adjustment

Common condition to all adjustments (except AGC): The aerial signal level must be acceptable (the picture doesn't present snow degradation)

17.1 Notes about the adjustment:

Normalised: Factory picture control normal has the following OSD positions:

- **Brightness:** 32 (Push key "+" 32 times starting at minimum position)
- **Contrast:** 58
- **Colour:** 30

17.2 Switch-on sequence.

In case of malfunction it is very important to know the switch-on procedure:

1. When the reset is at low level the microprocessor begins to work.
2. It recalls from NVM the last state before the switch-off.
3. If it is STAND BY, it remains in STAND BY. If it is ON, it continues the switch-on procedure.
4. It waits until a falling edge in the 16/9&BSYNC signal occurs.
5. The port B_HIGH is set (B_HIGH oscillating).
6. It waits until a rising edge in the 16/9&BSYNC signal occurs.
7. It reads the CTL1 signal. If this signal doesn't rise before 160mS the process is stopped indicating ERROR_4.
8. The Video processor is started via I2C bus. If there isn't any answer the process is stopped indicating ERROR_1.
9. There is a 1 second delay.
10. The deflections start. If there are failures the process is stopped indicating ERROR_2 or ERROR_3.
11. It waits until the cathode heater is warm by inspection of the video processor register bit AKB.
12. The picture and the sound are switched on and the procedure is finished.

17.3 Protect modes and failure indication

The microprocessor checks periodically the different parts of the circuit and if it detects any fault in a safety defined part then it puts the TV set in PROTECTED mode. The found error code is indicated by the red LED. The red indicator lamp flashes every 0,3 seconds and stops during 0,7 seconds. The number of flashes depends on the error code (see table below).

Error indication	Meaning
ERROR_1	The Video Processor does not answer
ERROR_2	Vertical Deflection Fault
ERROR_3	Horizontal Deflection Fault
ERROR_4	Power Supply Short-circuit.
ERROR_5	The Sound Processor does not answer
ERROR_6	The non volatile memory does not answer
ERROR_7	The ERROR_3 does not function

The 1, 2, 5 and 6 error codes are read via the I²C Bus.

The 3 and 4 error codes are read through the CTL1, CTL2 and -PD&FAIL signals.

In all cases except ERROR_5 the power supply is set in SMPS_B_LOW state.

17.4 Protect mode inhibition

In order to facilitate the TV set repair it is possible to disable the protect mode. By pushing the M key (PL100) in a fault detection situation, the microprocessor resumes normal execution flow except in ERROR_4 state (Power Supply Short-circuit). In this case the microprocessor keeps the power supply in SMPS_B_LOW state (the M key does not act).

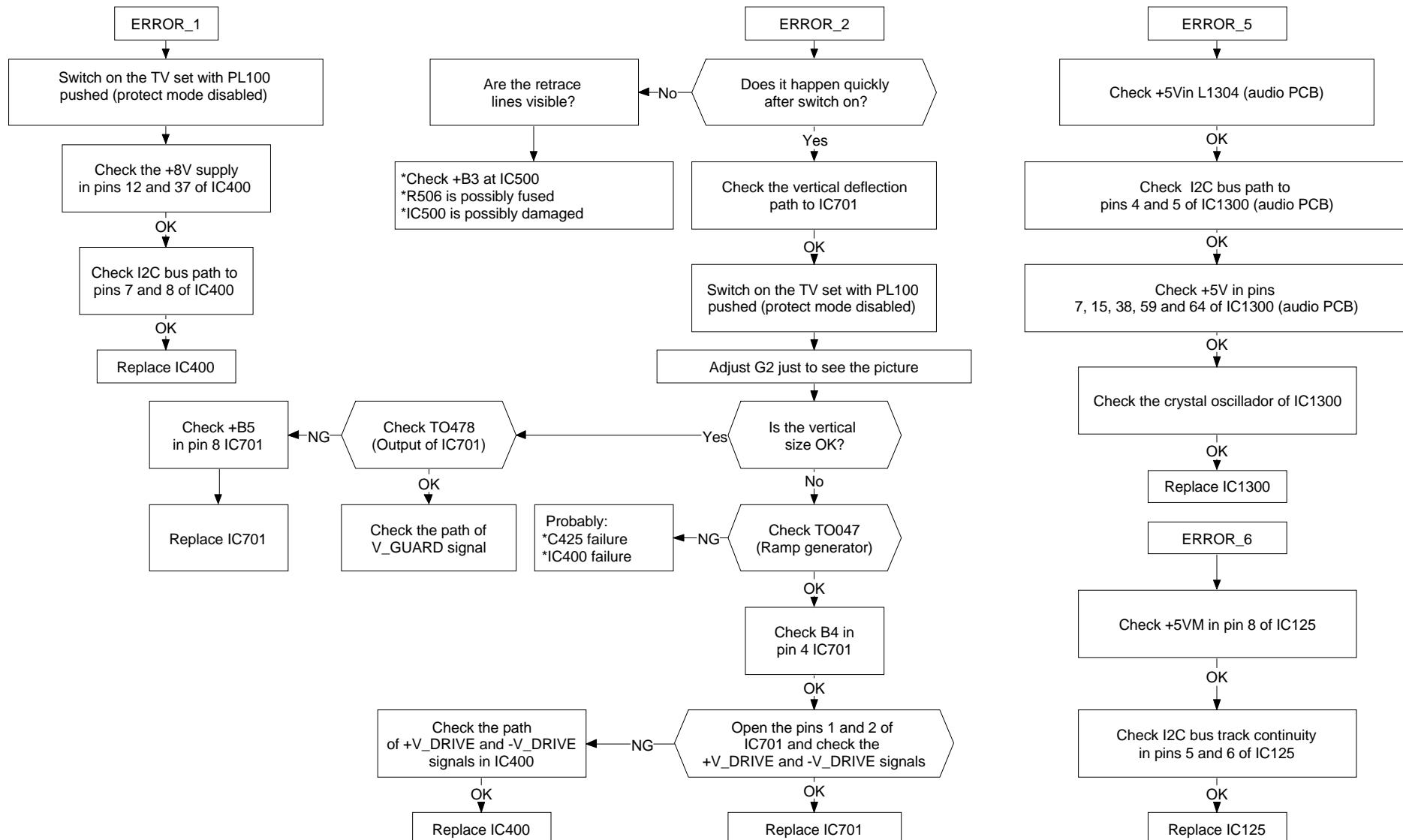
17.5 Power supply repair procedure

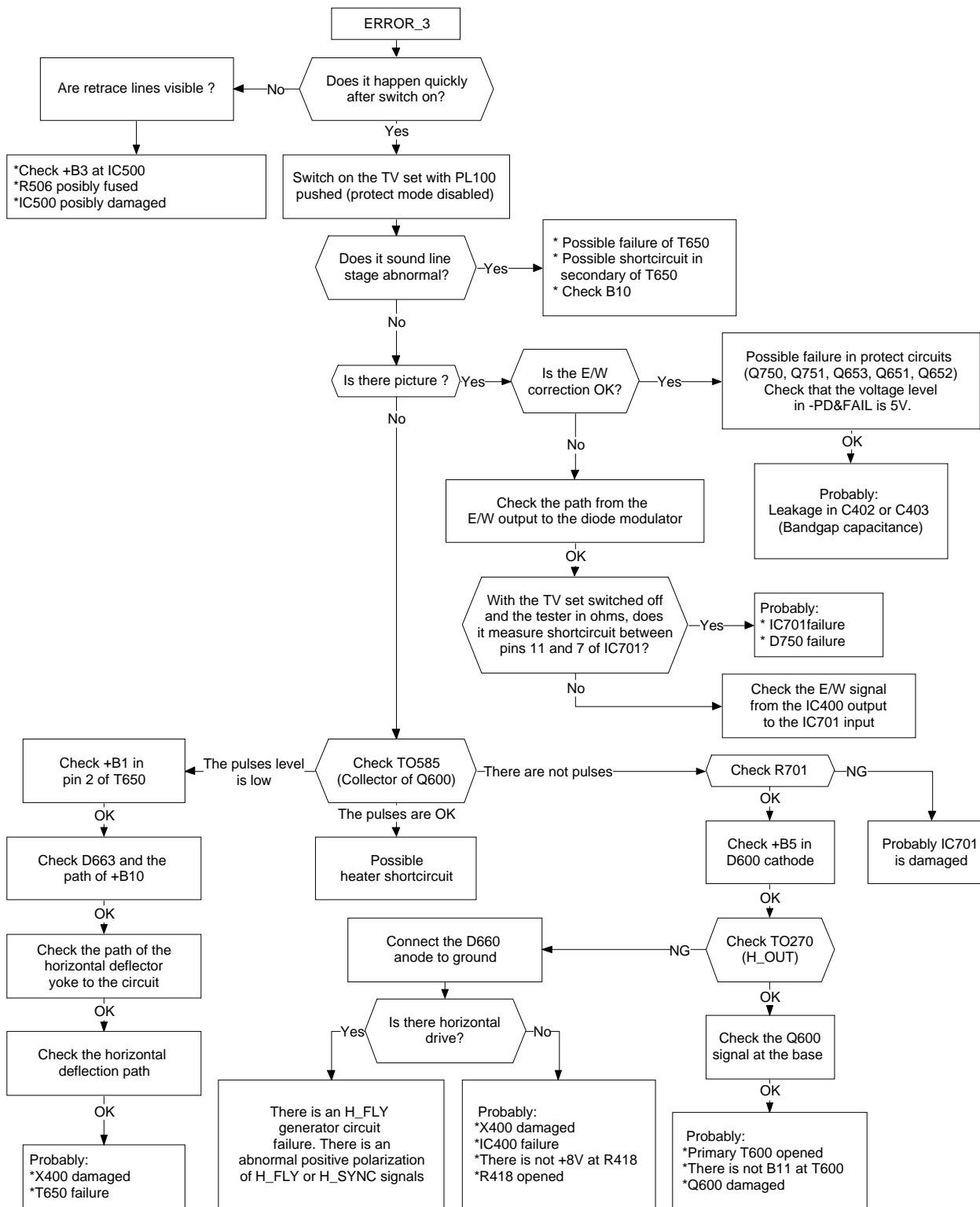
- When it is necessary to replace the IC800, it is strongly recommended to replace also the current sensor resistors R804 and R805 (they may be also damaged or altered).
- Keep in mind that when the power supply is forced to SMPS_B_HIGH state and without current consumption at the main output (deflection stopped), B6 is the stabilised output. The minimum voltage circuit is working and B6 can go down from the nominal 10 volts to 7,5 volts approximately. Also, in this situation B1 goes up until 160 - 180 volts in TV sets with 110^o CRT.

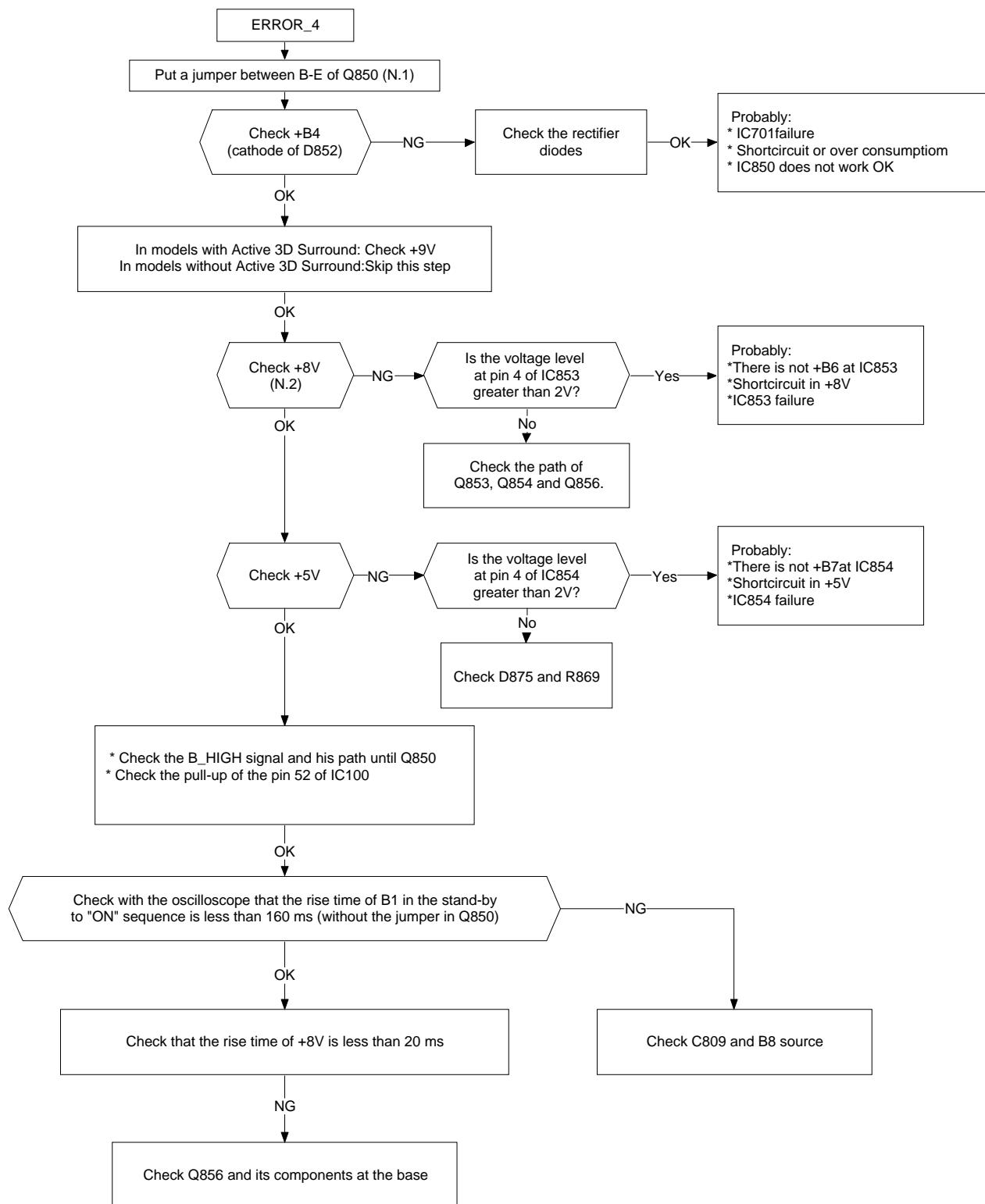
17.6 Non-volatile memory (NVM) replacement, IC125

When the TV set starts up, the microprocessor checks the non volatile memory in order to know if it has been initialised. Even if it detects no initialisation it will continue the start up procedure with a minimum default adjustment values stored in ROM. Then, in case of NVM replacement, it is necessary to initialise the non volatile memory from the SERVICE menu (it will load a complete set of default values) and afterwards adjust all the controls to its correct value.

18 Failure location flow-charts

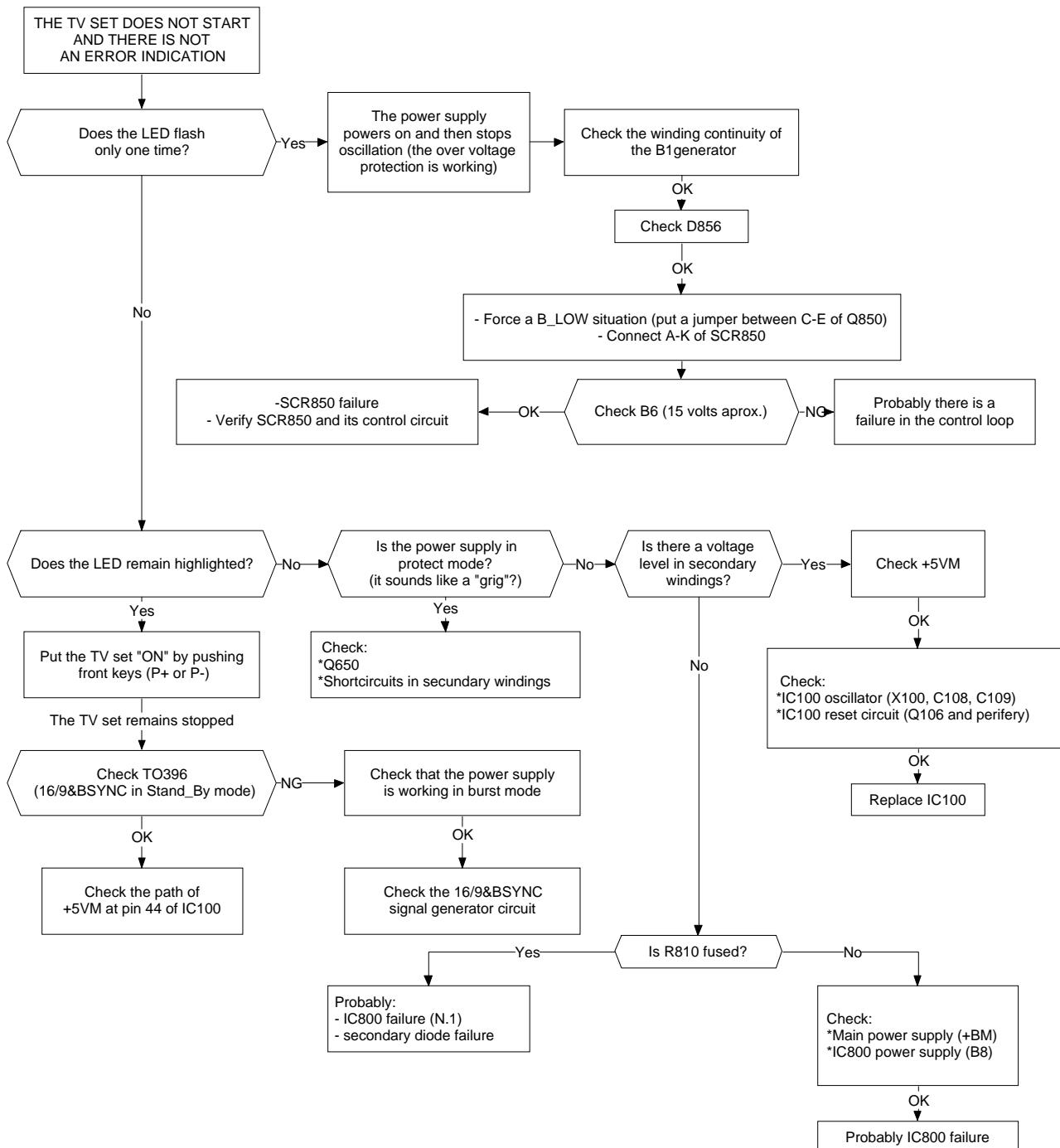






N.1: Once the power supply is repaired, remove the jumper. Without it, the deflection does not start

N.2: Consider in this situation that the +8V source could be at 7,5 volts



- N.1: If there is an IC800 failure, and R810 was opened, it is strongly recommended to replace also the resistors R804 and R805

19 Complete PCB codes for after sales service

	CE28FV2-E	CE25FV2-E	CE21FV2-E
CRT (PHILIPS)	A66EAK071X11	A59EAK071X11	A51EAL155X10 A51EAL155X11
General PCB + Socket CRT + Audio PCB	6110375000	6110375000	6110374904
Socket PCB	7040002706	7040002706	7040002904
General PCB	7110017006	7110017006	7110017105
Audio PCB	7140001301	7140001301	7140001301

20 CHASSIS ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
YG 1	0200826402	LED Holder
YG 4 *	0080112519	COMP. Side IF Shield EB5-A
YG 5 *	0080112600	Copper Side IF Shield EB5-A
YG 6	0200627305	AUDIO MODULE Holder EB-2B

Assy PA (Audio)

IC300	0360512206	TDA 7263 M
YR300	0200224319	HEARSINK 'Z' 56,6X126,5
YR300A	0640705117	Eyelet 2,5-3
YR301	0970200804	Silicon Grease YG6260
YR302	0890005200	Screw M3X0,5X10
YR303	0990010316	HEXAGONAL NUT M3X0,5
YR304	0050709104	Washer
YR305	0050203207	SAFETY Washer M3

Assy PD (Deflection)

IC701	25" 28"	0360514616	TDA 8350Q N6
IC701	21"	0360514715	TDA 8351AQ N6
Q650		0360306708	S 2055 N
YR650		0200224624	Heatsink Deflection EB5-A
YR650A		0640705117	Eyelet 2,5-3
YR651		0970200804	Silicon Grease YG6260
YR652		0010106300	Spring CLIP 56379

Position	Part No.	Description
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Assy PF(Power Supply)

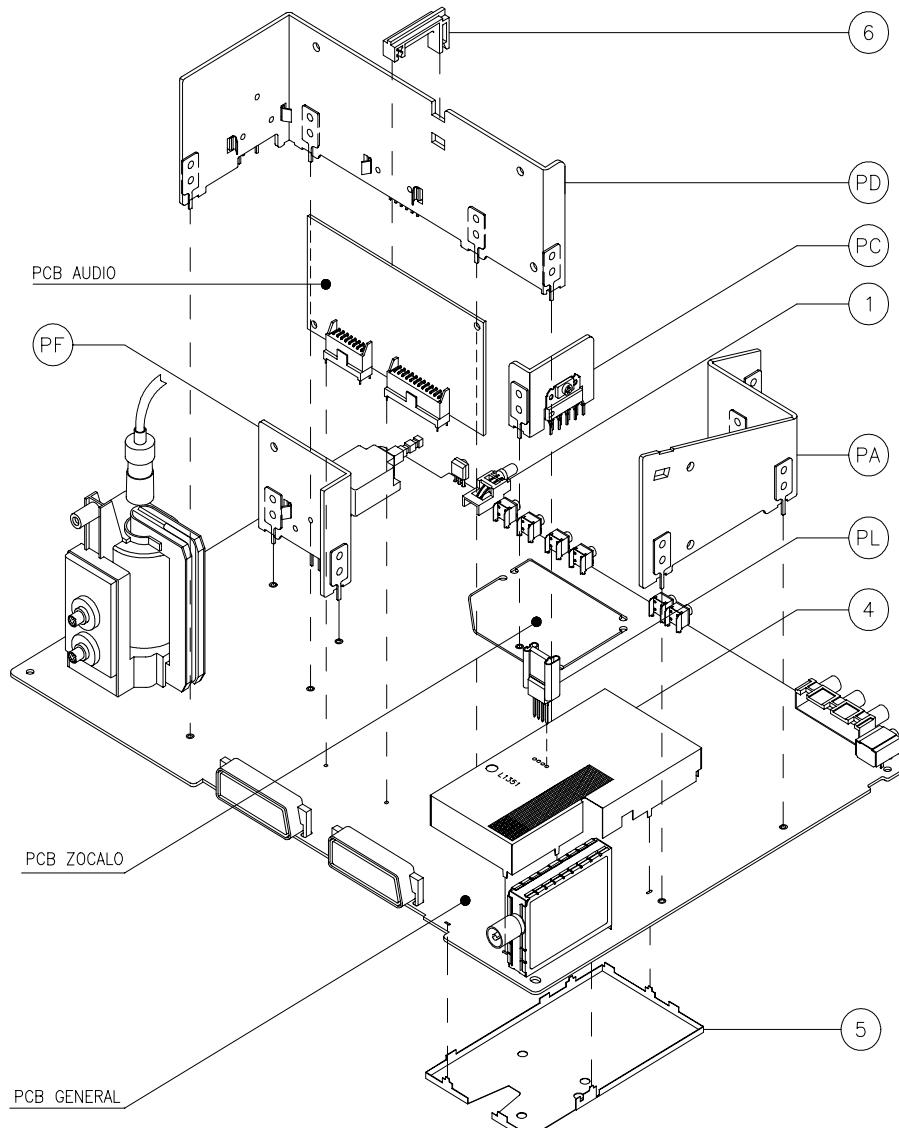
IC800	0360467609	STR-F6653
YR800	0200224707	Heatsink SOURCE EB5-A
YR800A	0640705117	Eyelet 2,5-3
YR801	0970200804	Silicon Grease YG6260
YR802	0010106300	Spring CLIP 56379

Assy PL

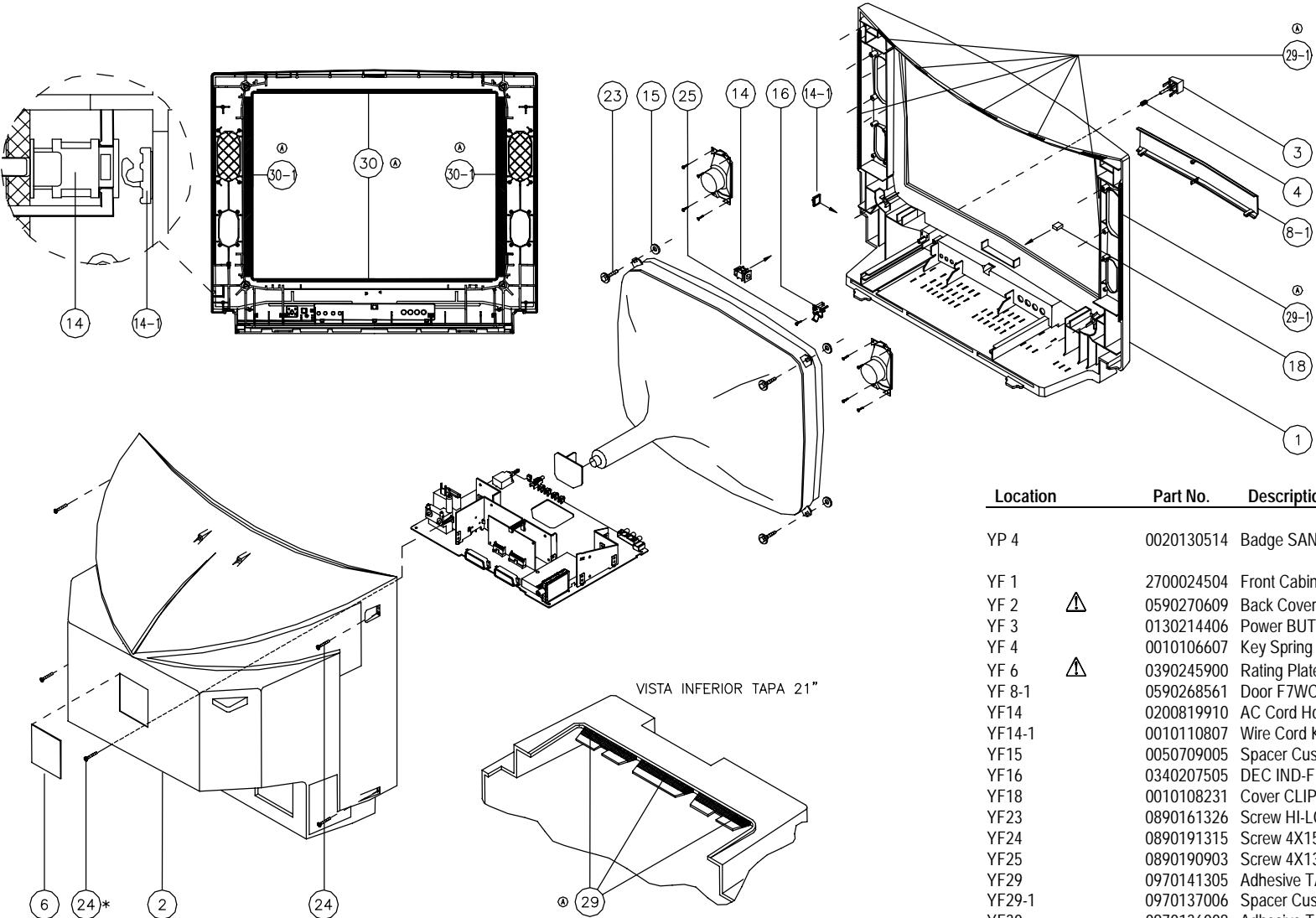
IC854	0360472807	KA78R05-STU
YR854	0200224905	Heatsink TO-220-F

Assy PC (Socket TRC)

IC500	0360514210	TDA 6107 Q/N2
YR500	0200224806	Heatsink RGB EB5-A
YR500A	0640705117	Eyelet 2,5-3
YR501	0970200804	Silicon Grease YG6260
YR502	0050709104	Washer
YR503	0890121106	Screw M3X6 FE/ZN DIN 7985

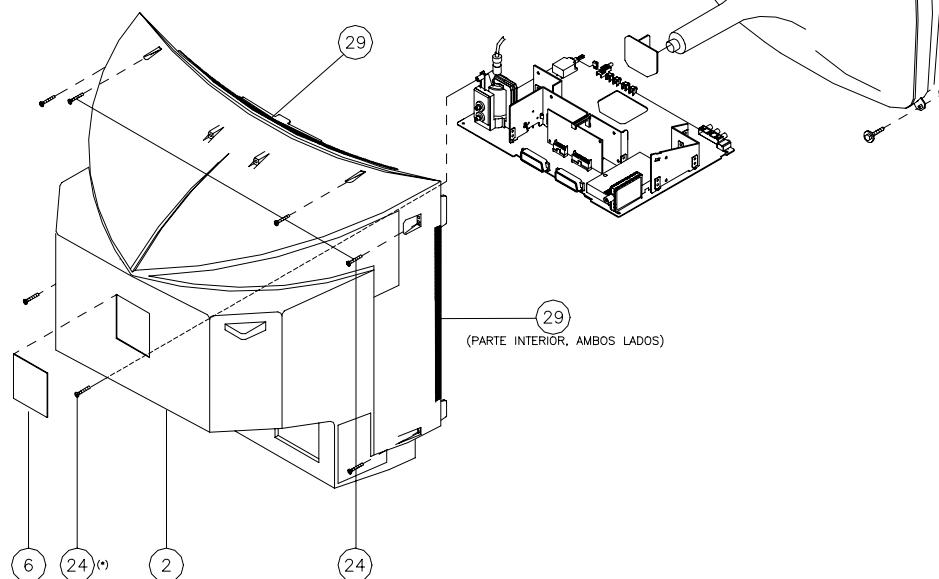
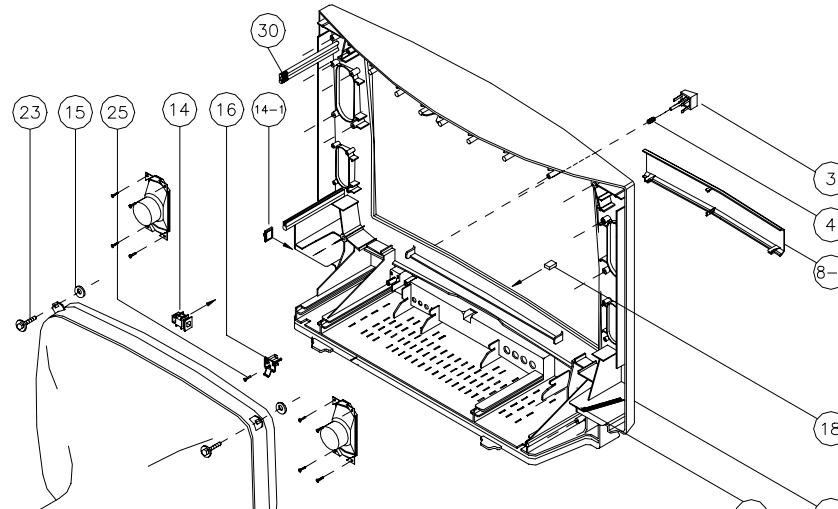
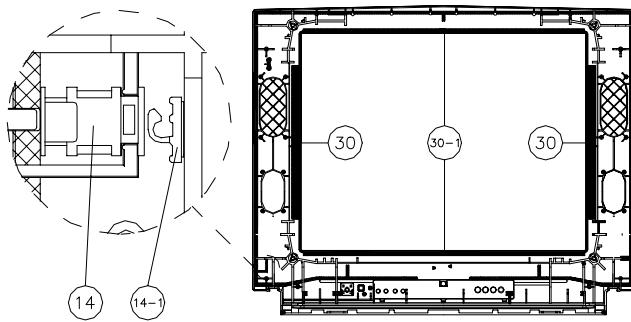


21 21" CABINET PARTS LIST



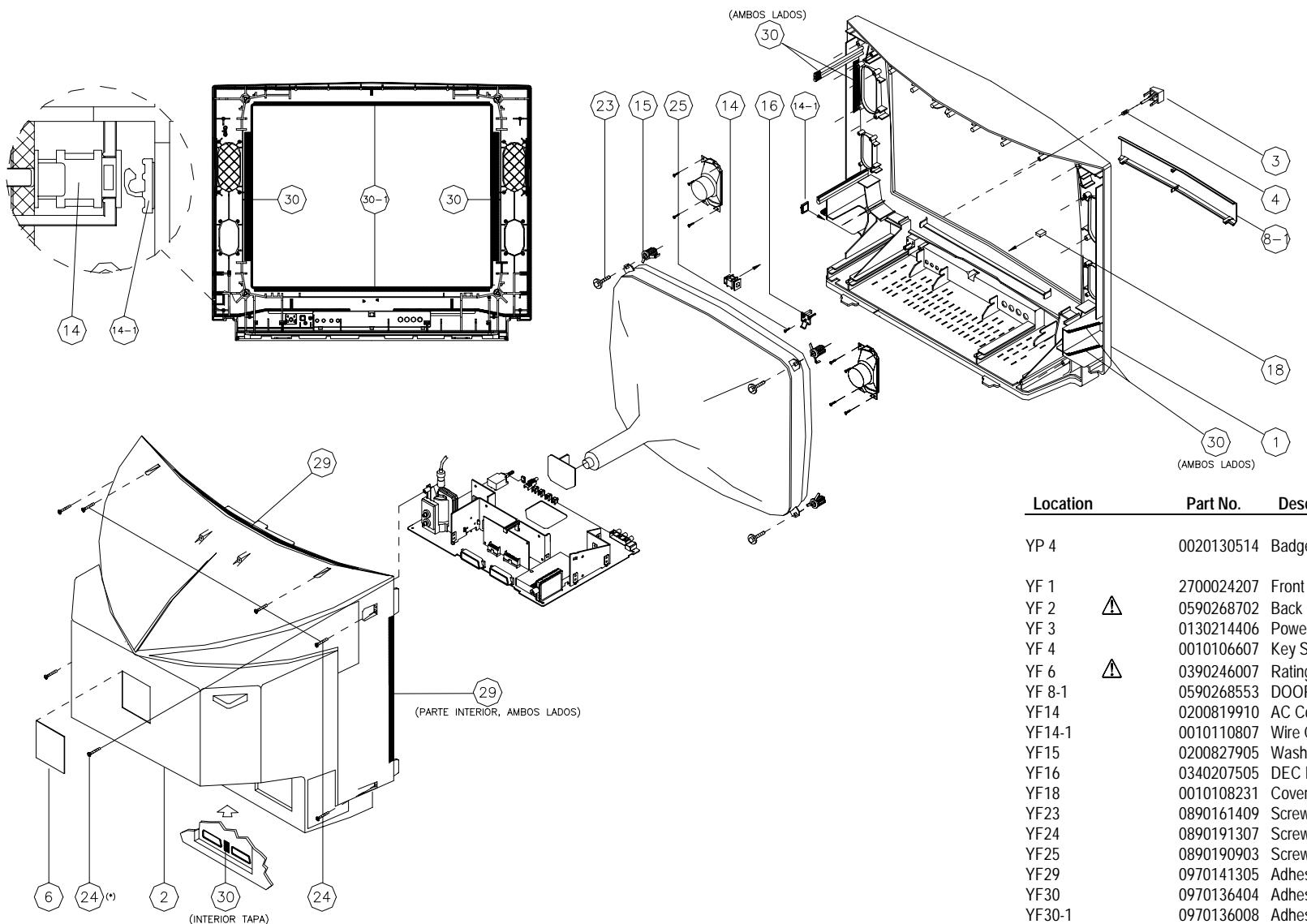
Location	Part No.	Description
YP 4	0020130514	Badge SANYO 53,5X12 SILVER
YF 1	2700024504	Front Cabinet Assy 21"
YF 2	0590270609	Back Cover 21"
YF 3	0130214406	Power BUTTON F7W
YF 4	0010106607	Key Spring
YF 6	0390245900	Rating Plate CE21FV2-E
YF 8-1	0590268561	Door F7WC Painted
YF14	0200819910	AC Cord Holder
YF14-1	0010110807	Wire Cord KLIP
YF15	0050709005	Spacer Cushion
YF16	0340207505	DEC IND-F7WC
YF18	0010108231	Cover CLIP
YF23	0890161326	Screw HI-LO 5,8X27 W/Washer
YF24	0890191315	Screw 4X15
YF25	0890190903	Screw 4X13
YF29	0970141305	Adhesive TAPE 19 mm. BLACK
YF29-1	0970137006	Spacer Cushion
YF30	0970136008	Adhesive Tape PS
YF30-1	0970136404	Adhesive Tape PS

22 CABINET PARTS LIST 25"



Location	Part No.	Description
YP 4	0020130514	Badge SANYO 53.5X12 SILVER
YF 1	2700024108	Front Cabinet Assy 25" F7V
YF 2	0590268405	Back Cover 25" F7VA
YF 3	0130214406	Power BUTTON F7W
YF 4	0010106607	Key Spring
YF 6	0390245900	Rating Plate CE25FV2-E
YF 8-1	0590268553	DOOR F7WC PAINTED
YF14	0200819910	AC Cord Holder
YF14-1	0010110807	Wire Cord KLIP
YF15	0050708718	Washer
YF16	0340207505	DEC IND-F7WC
YF18	0010108231	Cover CLIP
YF23	0890161326	Screw HI-LO 5,8X27 W/Washer
YF24	0890191307	Screw 4X15
YF25	0890190903	Screw 4X13
YF29	0970141305	Adhesive TAPE 19 mm. BLACK
YF30	0970136404	Adhesive TAPE 25MX19MM
YF30-1	0970136008	Adhesive TAPE PS

23 CABINET PARTS LIST 28"



Location	Part No.	Description
YP 4	0020130514	Badge SANYO 53,5X12 SILVER
YF 1	2700024207	Front Cabinet Assy 28"
YF 2	0590268702	Back Cover 28"
YF 3	0130214406	Power BUTTON F7W
YF 4	0010106607	Key Spring
YF 6	0390246007	Rating Plate CE28FV2-E
YF 8-1	0590268553	DOOR F7WC PAINTED
YF14	0200819910	AC Cord Holder
YF14-1	0010110807	Wire Cord KLIP
YF15	0200827905	Washer F7WC
YF16	0340207505	DEC IND-F7WC
YF18	0010108231	Cover CLIP
YF23	0890161409	Screw HI-LO 5,8X27 W/Washer
YF24	0890191307	Screw 4X15
YF25	0890190903	Screw 4X13
YF29	0970141305	Adhesive TAPE 19 mm. BLACK
YF30	0970136404	Adhesive TAPE 25MX19MM
YF30-1	0970136008	Adhesive TAPE PS

Location	Part No.	Description
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24 Parts List

Note: **21** Exclusive component for CE21FV2-E
25 Exclusive component for CE25FV2-E
28 Exclusive component for CE28FV2-E

PCB SOCKET TRC

CONNECTORS

CON FD	0330144205	Ribbon Wire Holder 4 P.
CON FH	0330144304	Ribbon Wire Holder 5 P.
CON.FD	0160220711	Polarized Band Gray 4P. 520+6+6
CON.FH	0160230819	Polarized Band Gray 5P. 450+6+6
CON.FK	0640202610	Earth Wire 270 mm.

CAPACITORS

C500	0270341324	Polyester 100 nF. 10% 250V.
C501	0250322849	Electrolytic 10 μ F. 250V.
C503	0240590901	Ceramic 2200pF +80-20% 2KV.
C504 21	0230320301	Ceramic SMD 470 pF. 10% 50V.
C504 25 28	0230390205	Ceramic SMD 1800 pF. 10% 50V.

DIODES

D500	0360007215	BAV21 DIODE
D501	0360007215	BAV21 DIODE
D502	0360007215	BAV21 DIODE

INTEGRATED CIRCUIT

IC500	0360514210	TDA 6107 Q/N2
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COILS

L503	0790701106	SMD 0 Ω 1/10W.
L504	0790701106	SMD 0 Ω 1/10W.
L505	0090304924	Choke R.F. 470 μ H. 10%

PCB04	0750151037	Socket PCB EB5-A
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RESISTORS

R500	0790741409	Solid 1,5 K Ω 10% 1/2W.
R501	0790741409	Solid 1,5 K Ω 10% 1/2W.
R502	0790741409	Solid 1,5 K Ω 10% 1/2W.
R503	0790741409	Solid 1,5 K Ω 10% 1/2W.
R504	0790741409	Solid 1,5 K Ω 10% 1/2W.
R506 21	0790535702	Fuse 10 Ω 5% 0,33W.
R506 25 28	0790539704	Fuse 22 Ω 5% 0,3W.
R507	0790227003	R.M.G. 100 Ω 5% 1/10W.
R508	0790227003	R.M.G. 100 Ω 5% 1/10W.
R509	0790227003	R.M.G. 100 Ω 5% 1/10W.
R510	0790242002	R.M.G. SMD 1,8 K Ω 5% 1/10W.
R511	0790242002	R.M.G. SMD 1,8 K Ω 5% 1/10W.
R512	0790242002	R.M.G. SMD 1,8 K Ω 5% 1/10W.

SOCKET	0330162009	CRT Socket DIAMETER 22,5 mm.
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MAIN PCB

CF200	0090412701	Ceramic TRAP Filter 5,5/6,5 MHz
CN FB	0330193608	4P. Connector
CN FC	0330115106	2P. Socket X RTM 1/6/8
CN FD	0330144205	Ribbon Wire Holder 4 P.
CN FE	0330115106	2P. Socket X RTM 1/6/8
CN FF1	0330190000	2P. Connector
CN FF2	0330270109	2 P. Socket
CN FH	0330144304	Ribbon Wire Holder 5 P.
CN G2 25 28	0640706503	BLUE G2 Wire WITH TWO Terminals

CAPACITORS

C100	0230600504	Ceramic SMD 100 nF. 10% 25V.
C101	0230480600	Ceramic SMD 10 nF. +80-20% 50V
C102	0230600504	Ceramic SMD 100 nF. 10% 25V.

Location	Part No.	Description
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C103	0250320769	Electrolytic 10 μ F. 16V.
C104	0230600504	Ceramic SMD 100 nF. 10% 25V.
C105	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C1050 25 28	0230600504	Ceramic SMD 100 nF. 10% 25V.
C1051 25 28	0250320769	Electrolytic 10 μ F. 16V.
C1052 25 28	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C1053 25 28	0230600504	Ceramic SMD 100 nF. 10% 25V.
C1054 25 28	0230600504	Ceramic SMD 100 nF. 10% 25V.
C1055 25 28	0230600504	Ceramic SMD 100 nF. 10% 25V.
C1056 25 28	0250320769	Electrolytic 10 μ F. 16V.
C1057 25 28	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C1058 25 28	0250461266	Electrolytic 100 μ F. 16V.
C1059 25 28	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C106	0270101231	Polyester 1000pF. 5% 63V.
C1060 25 28	0250320769	Electrolytic 10 μ F. 16V.
C1061 25 28	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C1062 * 25 28	0230190308	Ceramic SMD 39 pF. 5% 50V.
C1063 * 25 28	0230190308	Ceramic SMD 39 pF. 5% 50V.
C107	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C108	0230160327	Ceramic SMD 22 pF. 1% 50V.
C109	0230160327	Ceramic SMD 22 pF. 1% 50V.
C110	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C111	0250320769	Electrolytic 10 μ F. 16V.
C112	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C113	0230480600	Ceramic SMD 10 nF. +80-20% 50V
C114	0230480600	Ceramic SMD 10 nF. +80-20% 50V
C115 *	0230320301	Ceramic SMD 470 pF. 10% 50V.
C116 *	0230320301	Ceramic SMD 470 pF. 10% 50V.
C117	0230360406	Ceramic SMD 1000 pF. 10% 50V.
C118	0230360406	Ceramic SMD 1000 pF. 10% 50V.
C119	0240131417	Ceramic 470 pF. 10% 100V.
C1351	0250320769	Electrolytic 10 μ F. 16V.
C1352	0230480600	Ceramic SMD 10 nF. +80-20% 50V
C1353	0250280864	Electrolytic 4,7 μ F. 25V.
C1354	0250280864	Electrolytic 4,7 μ F. 25V.
C1355	0230680308	Ceramic SMD 470 nF. 10% 16V.
C1356	0230190704	Ceramic SMD 8 pF. +/- 0.5pF. 50V.
C1358	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C1359	0230480600	Ceramic SMD 10 nF. +80-20% 50V
C200	0250320769	Electrolytic 10 μ F. 16V.
C201	0230190308	Ceramic SMD 39 pF. 5% 50V.
C202	0230360406	Ceramic SMD 1000 pF. 10% 50V.
C203	0230600504	Ceramic SMD 100 nF. 10% 25V.
C204	0230600504	Ceramic SMD 100 nF. 10% 25V.
C205	0230740003	Ceramic SMD 2,2 μ F. 10V. +80-20%
C206 *	0230190308	Ceramic SMD 39 pF. 5% 50V.
C207	0250320769	Electrolytic 10 μ F. 16V.
C250	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C251	0250461266	Electrolytic 100 μ F. 16V.
C252	0270341480	Polyester 100 nF. 10% 63V.
C256	0230480600	Ceramic SMD 10 nF. +80-20% 50V
C257	0270341480	Polyester 100 nF. 10% 63V.
C258	0230480600	Ceramic SMD 10 nF. +80-20% 50V
C259	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C260	0250360468	Electrolytic 22 μ F. 16V.
C261	0230150229	Ceramic SMD 18 pF. 1% 50V.
C264	0230150229	Ceramic SMD 18 pF. 1% 50V.
C265	023050601069	Electrolytic 2200 μ F. 35V.
C300	0230480600	Ceramic SMD 10 nF. +80-20% 50V
C301	0250410867	Electrolytic 47 μ F. 16V.
C303	0230360406	Ceramic SMD 1000 pF. 10% 50V.
C304 *	0230360406	Ceramic SMD 1000 pF. 10% 50V.
C305 *	0230360406	Ceramic SMD 1000 pF. 10% 50V.
C306 *	0230360406	Ceramic SMD 1000 pF. 10% 50V.
C307 *	0230360406	Ceramic SMD 1000 pF. 10% 50V.
C308 *	0230360406	Ceramic SMD 1000 pF. 10% 50V.
C309	0250240462	Electrolytic 2,2 μ F. 63V.
C310	0250240462	Electrolytic 2,2 μ F. 63V.
C311	0250601663	Electrolytic 2200 μ F. 16V.
C312	0250601663	Electrolytic 2200 μ F. 16V.
C313	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C314	0230600603	Ceramic SMD 100 nF. +80-20% 25V.
C315 *	0230320301	Ceramic SMD 470 pF. 10% 50V.
C316 *	0230320301	Ceramic SMD 470 pF. 10% 50V.
C319	0250360468	Electrolytic 22 μ F. 16V.
C320	0250360468	Electrolytic 22 μ F. 16V.
C350 *	0230360406	Ceramic SMD 1000 pF. 10% 50V.

Location	Part No.	Description	Location	Part No.	Description
C351	*	0230360406 Ceramic SMD 1000 pF. 10% 50V.	C675	0230600504 Ceramic SMD 100 nF. 10% 25V.	
C352		0250410867 Electrolytic 47 µF. 16V.	C676	0270381080 Polyester 220 nF. 10% 63V.	
C353		0250410867 Electrolytic 47 µF. 16V.	C677	21 0230260705 Ceramic SMD 150 pF. 10% 630V.	
C354		0230600603 Ceramic SMD 100 nF. +80-20% 25V.	C679	0250210861 Electrolytic 0,47 µF. 50V.	
C355		0230600603 Ceramic SMD 100 nF. +80-20% 25V.	C680	0230680308 Ceramic SMD 470 nF. 10% 16V.	
C356		0250500667 Electrolytic 220 µF. 16V.	C700	0250321064 Electrolytic 10 µF. 63V.	
C357		0250461266 Electrolytic 100 µF. 16V.	C701	0250412962 Electrolytic 47 µF. 50V.	
C359		0230480600 Ceramic SMD 10 nF. +80-20% 50V	C702	0230600603 Ceramic SMD 100 nF. +80-20% 25V.	
C360		0230360406 Ceramic SMD 1000 pF. 10% 50V.	C703	21 0270341480 Polyester 100 nF. 10% 63V.	
C361		0250461266 Electrolytic 100 µF. 16V.	C703	25 28 0270381080 Polyester 220 nF. 10% 63V.	
C362		0230160327 Ceramic SMD 22 pF. 1% 50V.	C705	*	
C363		0230160327 Ceramic SMD 22 pF. 1% 50V.	C706	*	
C364	*	0230320301 Ceramic SMD 470 pF. 10% 50V.	C710	0270220726 Polyester 10 nF. 10% 250V.	
C400		0250461266 Electrolytic 100 µF. 16V.	C712	0270220726 Polyester 10 nF. 10% 250V.	
C401		0230600603 Ceramic SMD 100 nF. +80-20% 25V.	C750	25 28 0270320732 Polyester 68 nF. 10% 63V.	
C402		0230740003 Ceramic SMD 2,2 µF. 10V. +80-20%	C751	* 25 28 0230320301 Ceramic SMD 470 pF. 10% 50V.	
C403		0230520405 Ceramic SMD 22 nF. 10% 50V.	C752	* 25 28 0230320301 Ceramic SMD 470 pF. 10% 50V.	
C405		0230360406 Ceramic SMD 1000 pF. 10% 50V.	C753	25 28 0250116761 Electrolytic 4,7 µF. 160V.	
C406		0230600504 Ceramic SMD 100 nF. 10% 25V.	C800	△* 0270342702 Polyester 100 nF. 20% 275V.AC	
C408		0230520405 Ceramic SMD 22 nF. 10% 50V.	C801	△* 0270342702 Polyester 100 nF. 20% 275V.AC	
C409		0230520405 Ceramic SMD 22 nF. 10% 50V.	C802	0240134767 Ceramic 1000 pF. +-20% 1KV.	
C410		0230520405 Ceramic SMD 22 nF. 10% 50V.	C803	0240134767 Ceramic 1000 pF. +-20% 1KV.	
C411		0230150229 Ceramic SMD 18 pF. 1% 50V.	C804	0240134767 Ceramic 1000 pF. +-20% 1KV.	
C412		0230600504 Ceramic SMD 100 nF. 10% 25V.	C805	0240134767 Ceramic 1000 pF. +-20% 1KV.	
C413		0230420119 Ceramic SMD 3300 pF. 10% 63V.	C807	0230560302 Ceramic SMD 47 nF. 10% 50V.	
C414		0230520405 Ceramic SMD 22 nF. 10% 50V.	C809	0250362308 Electrolytic 22 µF. 20% 50V.	
C415		0250461266 Electrolytic 100 µF. 16V.	C810	0250503661 Electrolytic. 220 µF. 385V.	
C416		0230600504 Ceramic SMD 100 nF. 10% 25V.	C810A	0640705117 Eyelet 2,5-3	
C417		0230400103 Ceramic SMD 2200 pF. 10% 50V.	C811	0230320525 Ceramic SMD 470 pF. 5% 50V.	
C418		0230360406 Ceramic SMD 1000 pF. 10% 50V.	C812	△* 21 0240590133 Ceramic 2200 pF. 20% 4KV	
C420		0230720203 Ceramic SMD 1 µF. 16V. +80-20%	C812	△* 25 28 0240136135 Ceramic 1000 pF. 20% 4KV	
C421		0230440125 Ceramic SMD 4700 pF. 10% 50V.	C814	0230340309 Ceramic SMD 680 pF. 10% 50V.	
C423	*	0230360406 Ceramic SMD 1000 pF. 10% 50V.	C815	0230600603 Ceramic SMD 100 nF. +80-20% 25V.	
C424	*	0230600504 Ceramic SMD 100 nF. 10% 25V.	C816	△* 25 28 0240136135 Ceramic 1000 pF. 20% 4KV	
C425		0270342603 Polycarbonate 100 nF. 5% 63V.	C817	0230300303 Ceramic SMD 330 pF. 10% 630V.	
C426		0230600603 Ceramic SMD 100 nF. +80-20% 25V.	C818	0230300402 Ceramic SMD 330 pF. 10% 1KV.	
C427		0230600504 Ceramic SMD 100 nF. 10% 25V.	C819	0250362308 Electrolytic 22 µF. 20% 50V.	
C428	*	0230240327 Ceramic SMD 100 pF. 5% 50V.	C830	0230720302 Ceramic SMD 1µF. +80-20% 25V.	
C430		0230480600 Ceramic SMD 10 nF. +80-20% 50V	C833	21 0240470708 Ceramic 220 pF. 5% 1KV.	
C433		0230240327 Ceramic SMD 100 pF. 5% 50V.	C850	25 28 0240460501 Ceramic 180 pF. 5% 1KV.	
C435		0230440125 Ceramic SMD 4700 pF. 10% 50V.	C850	0230600504 Ceramic SMD 100 nF. 10% 25V.	
C437	*	0230360406 Ceramic SMD 1000 pF. 10% 50V.	C852	0230600504 Ceramic SMD 100 nF. 10% 25V.	
C439	*	0230480600 Ceramic SMD 10 nF. +80-20% 50V	C853	0250220464 Electrolytic 1 µF. 100V.	
C440		0230180226 Ceramic SMD 33 pF. 1% 50V.	C854	0230600603 Ceramic SMD 100 nF. +80-20% 25V.	
C600	21	025020464 Electrolytic 1 µF. 100V.	C855	21 0250465044 Electrolytic 100 µF. 160V.	
C600	25 28	0250248267 Electrolytic 2,2 µF. 160V.	C856	25 28 0250132743 Electrolytic 100 µF. 200V.	
C601		0270140122 Polyester 2200 pF. 10% 400V.	C856	0250572260 Electrolytic 1000 µF. 35V.	
C603		0230480600 Ceramic SMD 10 nF. +80-20% 50V	C857	0250572369 Electrolytic 1000 µF. 25V.	
C604		0230720203 Ceramic SMD 1 µF. 16V. +80-20%	C858	0250463767 Electrolytic 100 µF. 50V.	
C650	25 28	0260125273 Polypropylene 27 nF. 5% 1KV.	C859	0250150240 Electrolytic 3300 µF. 16V.	
C651	21	0260217179 Polypropylene 9100 pF. 5% 1,6KV	C860	0250141462 Electrolytic 470 µF. 16V.	
C651	25 28	0260011374 Polypropylene 12 nF. 5% 1,6KV	C861	0230480600 Ceramic SMD 10 nF. +80-20% 50V	
C651A		0640850210 Eyelet 1,6-3	C862	0230360406 Ceramic SMD 1000 pF. 10% 50V.	
C652	25 28	0260420278 Polypropylene 470nF. 5% 400V.	C863	0240391102 Ceramic 47 pF. 5% 500V. SL	
C652A	25 28	0640850210 Eyelet 1,6-3	C865	0250320769 Electrolytic 10 µF. 16V.	
C653	21	0260420278 Polypropylene 470 nF. 5% 400V.	C866	0230600603 Ceramic SMD 100 nF. +80-20% 25V.	
C653	25 28	0260433073 Polypropylene 820 nF. 5% 250V.	C867	0250320769 Electrolytic 10 µF. 16V.	
C653A		0640850210 Eyelet 1,6-3	C868	0230600603 Ceramic SMD 100 nF. +80-20% 25V.	
C654		0260120472 Polypropylene 1000pF. 5% 2KV	C869	0250320769 Electrolytic 10 µF. 16V.	
C655	21	0270250582 Polyester 18 nF. 10% 250V.	C870	0250320769 Electrolytic 10 µF. 16V.	
C655	25 28	0270261720 Polyester 22 nF. 10% 100V.	C872	0230600603 Ceramic SMD 100 nF. +80-20% 25V.	
C656		0250248267 Electrolytic 2,2 µF. 160V.	C873	0250141462 Electrolytic 470 µF. 16V.	
C657		0240132035 Ceramic 470 pF. 10% 1KV.	C874	0250461266 Electrolytic 100 µF. 16V.	
C659	25 28	0250132743 Electrolytic 100 µF. 200V.	C875	0230600603 Ceramic SMD 100 nF. +80-20% 25V.	
C660		0230340408 Ceramic SMD 680 pF. 10% 630V.	C876	0230600504 Ceramic SMD 100 nF. 10% 25V.	
C661		0250283868 Electrolytic 4,7 µF. 250V.	C877	0250141462 Electrolytic 470 µF. 16V.	
C663		0230600504 Ceramic SMD 100 nF. 10% 25V.	C890	0230360406 Ceramic SMD 1000 pF. 10% 50V.	
C664		0230200305 Ceramic SMD 47 pF. 5% 50V.	C900	*	
C666	21	0270450216 Polyester 820 nF. 5% 250V.	C901	*	
C667		0270100522 Polyester 1000 pF. 10% 400V.	C902	*	
C668		025016761 Electrolytic 4,7 µF. 160V.	C903	*	
C669		0230340408 Ceramic SMD 680 pF. 10% 630V.	C904	*	
C670		0270341324 Polyester 100 nF. 10% 250V.	C905	*	
C671		0270220726 Polyester 10 nF. 10% 250V.	C906	*	
C672	25 28	0230360505 Ceramic SMD 1000 pF 5% 100V.	C907	0230320301 Ceramic SMD 470 pF. 10% 50V.	
C673		0270220726 Polyester 10 nF. 10% 250V.	C908	0250320769 Electrolytic 10 µF. 16V.	
C674		0230520405 Ceramic SMD 22 nF. 10% 50V.		0230320301 Ceramic SMD 470 pF. 10% 50V.	

Location	Part No.	Description	Location	Part No.	Description
C909 *	0230320301	Ceramic SMD 470 pF. 10% 50V.	D751	25 28	0360603203 Zener SMD MMSZ15T1
C910	0230320301	Ceramic SMD 470 pF. 10% 50V.	D752	25 28	0360601603 SMD MMSD4148T1
C911 *	0230320301	Ceramic SMD 470 pF. 10% 50V.	D800		0360372411 ERC05-10B V1
C913 *	0230240327	Ceramic SMD 100 pF. 5% 50V.	D801		0360372411 ERC05-10B V1
C914 *	0230240327	Ceramic SMD 100 pF. 5% 50V.	D802		0360372411 ERC05-10B V1
C917 *	0230240327	Ceramic SMD 100 pF. 5% 50V.	D803		0360372411 ERC05-10B V1
C918	0230600603	Ceramic SMD 100 nF. +80-20% 25V.	D807		0360601603 SMD MMSD4148T1
C920	0250320769	Electrolytic 10 µF. 16V.	D808		0360376909 ERB44-02
C921	0250320769	Electrolytic 10 µF. 16V.	D809		0360601603 SMD MMSD4148T1
C922	0250320769	Electrolytic 10 µF. 16V.	D811		0360601603 SMD MMSD4148T1
C923	0250320769	Electrolytic 10 µF. 16V.	D812		0360377501 Schottky AK 03 V1 30V 1A
C924 *	0790701106	SMD 0 Ω 1/10W.	D830		0360601603 SMD MMSD4148T1
C925 *	0230320301	Ceramic SMD 470 pF. 10% 50V.	D831		0360376909 ERB44-02
C926	0250410867	Electrolytic 47 µF. 16V.	D832		0360604409 Zener SMD MMSZ10T1
C927	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	D850	21	0360378103 ERB44-08 800V 1A
C928	0250410867	Electrolytic 47 µF. 16V.	D850	25 28	0360374409 RU4B LF-T3
C929	0250220464	Electrolytic 1 µF. 100V.	D851		0360378202 ERD32-02L
C930	0250410867	Electrolytic 47 µF. 16V.	D852		0360377303 Schottky ERB84-009 90V 2A
C931	0250410867	Electrolytic 47 µF. 16V.	D853		0360377204 AU01 V1 400V 0,5A
C932	0250220464	Electrolytic 1 µF. 100V.	D854		0360376909 ERB44-02
C933	0250220464	Electrolytic 1 µF. 100V.	D855		0360377303 Schottky ERB84-009 90V 2A
C934	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	D856		0360376404 ERB44-06
C935	0230720203	Ceramic SMD 1 µF. 16V. +80-20%	D857		0360604409 Zener SMD MMSZ10T1
C936	0250410867	Electrolytic 47 µF. 16V.	D858		0360601603 SMD MMSD4148T1
C937	0250320769	Electrolytic 10 µF. 16V.	D859		0360130819 1N 4148
C938	0250410867	Electrolytic 47 µF. 16V.	D860		0360103204 Zener BZX79C5V1
C939 *	0230320301	Ceramic SMD 470 pF. 10% 50V.	D861		0360602601 Zener SMD MMSZ5V1T1
C940 *	0230240327	Ceramic SMD 100 pF. 5% 50V.	D863		0360601603 SMD MMSD4148T1
D864			D865		0360605000 Zener SMD MMSZ18T1
DIODES			D866		0360601603 SMD MMSD4148T1
D100	0360126205	Red/Green 3 mm.	D868		0360603500 Zener SMD MMSZ5V6T1
D101	0360602809	Zener SMD MMSZ6V2T1	D869		0360130819 1N 4148
D103	0360601603	SMD MMSD4148T1	D870		0360601603 SMD MMSD4148T1
D104	0360601603	SMD MMSD4148T1	D871		0360130819 1N 4148
D105	0360601603	SMD MMSD4148T1	D872		0360605307 Zener SMD MMSZ9V1T1
D106	0360601603	SMD MMSD4148T1	D873		0360601603 SMD MMSD4148T1
D107	0360601603	SMD MMSD4148T1	D874		0360601603 SMD MMSD4148T1
D250	0360706014	HZT33-02 RE	D875		0360103204 Zener BZX79C5V1
D300	0360601603	SMD MMSD4148T1	D900		0360602809 Zener SMD MMSZ6V2T1
D301	0360602502	Zener SMD MMSZ4V7T1	D901		0360602601 Zener SMD MMSZ5V1T1
D350	0360601603	SMD MMSD4148T1	D902		0360602601 Zener SMD MMSZ5V1T1
D400	0360130819	1N 4148	D903		0360602809 Zener SMD MMSZ6V2T1
D600	0360130819	1N 4148	D905		0360602601 Zener SMD MMSZ5V1T1
D650	25 28	0360011316 BY 228/40	D906		0360602601 Zener SMD MMSZ5V1T1
D651	0360605604	SMD BAV103 200V 0,25A	D907		0360602601 Zener SMD MMSZ5V1T1
D652	21	0470040007 Jumper Lead 0,6 mm.	D908		0360602601 Zener SMD MMSZ5V1T1
D652	25 28	0360376404 ERB44-06	D909		0360602601 Zener SMD MMSZ5V1T1
D653		0360376909 ERB44-02	D910		0360602601 Zener SMD MMSZ5V1T1
D654		0360601603 SMD MMSD4148T1	D911		0360602601 Zener SMD MMSZ5V1T1
D655		0360603807 Zener SMD MMSZ33T1			
D656		0360603203 Zener SMD MMSZ15T1			
D657		0360130819 1N 4148			
D658		0360601603 SMD MMSD4148T1			
D659		0360130819 1N 4148			
D660		0360130819 1N 4148			
D661		0360007215 BAV21 DIODE			
D663		0360376909 ERB44-02			
D665		0790701106 SMD 0 Ω 1/10W.			
D670		0360601603 SMD MMSD4148T1			
D671		0360377006 ERB44-04			
D672		0360601603 SMD MMSD4148T1			
D673		0360005805 Zener BZX79C4V7			
D674	21	0360602601 Zener SMD MMSZ5V1T1			
D674	25 28	0360602700 Zener SMD MMSZ8V2T1			
D675		0360601603 SMD MMSD4148T1			
D676		0360602700 Zener SMD MMSZ8V2T1			
D677		0360130819 1N 4148			
D678		0360130819 1N 4148			
D681		0360130819 1N 4148			
D700		0360130819 1N 4148			
D701		0360130819 1N 4148			
D702		0360130819 1N 4148			
D703		0360134902 Zener BXZ79C33			
D704		0360601603 SMD MMSD4148T1			
D705	21	0360602601 Zener SMD MMSZ5V1T1			
D705	25 28	0360602700 Zener SMD MMSZ8V2T1			
D750	25 28	0360603807 Zener SMD MMSZ33T1			
			J-115	25 28	0470040007 Jumper Lead 0,6 mm.
			J-121		0790701106 SMD 0 Ω 1/10W.

Location	Part No.	Description	Location	Part No.	Description
J-140	0790701106	SMD 0 Ω 1/10W.	L652A1	25 28	0640850210 Eyelet 1,6-3
J-142	0790701106	SMD 0 Ω 1/10W.	L652A2		0640705117 Eyelet 2,5-3
J-143	0790701106	SMD 0 Ω 1/10W.	L652A3	21	0640850210 Eyelet 1,6-3
J-144	0790701106	SMD 0 Ω 1/10W.	L653	21	0090310806 Adjustable Width Coil 27/130 μH.
J-147	0790701106	SMD 0 Ω 1/10W.	L653A	21	0640850210 Eyelet 1,6-3
J-148	0790701106	SMD 0 Ω 1/10W.	L654	25 28	0090817016 Choke Coil 12 μH. 1,2 A. 4X10
J-149	0790701106	SMD 0 Ω 1/10W.	L655		0090304924 Choke R.F. 470 μH. 10%
J-152	0790701106	SMD 0 Ω 1/10W.	L700		0090305665 Peaking Coil 4,7 μH 10% I MAX=930MA
J-156	0790701106	SMD 0 Ω 1/10W.	L701	*	0090305020 Choke R.F. 2,2 μH. 10%
J-158	25 28	0470040007 Jumper Lead 0,6 mm.	L702	*	0090305020 Choke R.F. 2,2 μH. 10%
J-197	25 28	0470040007 Jumper Lead 0,6 mm.	L750	25 28	0090502600 E/W Coil 5,5 MH. 10%
J-240	0790701106	SMD 0 Ω 1/10W.	L800	*△	0090413105 Mains Filter 2X34 MH. 250 VAC. 1,4A
J-246	0790701106	SMD 0 Ω 1/10W.	L802	*	0620005504 Ferrite bead 3,5X6 80 Ω/100 MHz
J-250	0790701106	SMD 0 Ω 1/10W.	L804		0620005504 Ferrite bead 3,5X6 80 Ω/100 MHz
J-251	25 28	0790701106 SMD 0 Ω 1/10W.	L805		0620005516 Pipe Core 3,5X4,5
J-252	0790701106	SMD 0 Ω 1/10W.	L851		0620005516 Pipe Core 3,5X4,5
J-263	25 28	0470040007 Jumper Lead 0,6 mm.	L852		0620005516 Pipe Core 3,5X4,5
J-264	0790701106	SMD 0 Ω 1/10W.	L853		0620005516 Pipe Core 3,5X4,5
J-265	0790701106	SMD 0 Ω 1/10W.	L854		0620005516 Pipe Core 3,5X4,5
J-266	0790701106	SMD 0 Ω 1/10W.	L855		0620005516 Pipe Core 3,5X4,5
JO101	0790701106	SMD 0 Ω 1/10W.	L856		0620005516 Pipe Core 3,5X4,5
JO104	0790701106	SMD 0 Ω 1/10W.	L857		0090305665 Peaking Coil 4,7 μH 10% I MAX=930MA
JO1050	21	0790701106 SMD 0 Ω 1/10W.	L858		0090305665 Peaking Coil 4,7 μH 10% I MAX=930MA
JO1051	21	0790701106 SMD 0 Ω 1/10W.	L859		0090305665 Peaking Coil 4,7 μH 10% I MAX=930MA
JO251	21	0790701106 SMD 0 Ω 1/10W.	L860		0090305665 Peaking Coil 4,7 μH 10% I MAX=930MA
JO650	21	0470040007 Jumper Lead 0,6 mm.	L861		0090315763 Peaking Coil 100 μH 10%
CONNECTORS			L900	*	0090315029 Peaking Coil 10 μH. 10%
K9A	0330330002	8P. Connector	L901	*	0090315029 Peaking Coil 10 μH. 10%
K9B	0330380007	12P. Female Connector	L902	*	0090315029 Peaking Coil 10 μH. 10%
K9C	0330490012	Connector Assy 10P W/Wires 260 MM	L903		0090319229 Peaking Coil 4,7 μH. 10%
COILS			L904	*	0090315029 Peaking Coil 10 μH. 10%
L100	0090319229	Peaking Coil 4,7 μH. 10%	L905	*	0620011502 Ferrite SMD 0603 600 Ω/20 MHz
L101	0090319229	Peaking Coil 4,7 μH. 10%	PCB11	△	0750150831 Main PCB EB-5A
L102	0620011502	Ferrite SMD 0603 600 Ω/20 MHz	PL102		0130209109 PUSH Switch L-8.35MM
L103	0620005516	Pipe Core 3,5X4,5	PL103		0130209109 PUSH Switch L-8.35MM
L1050	25 28	0090319229 Peaking Coil 4,7 μH. 10%	PL104		0130209109 PUSH Switch L-8.35MM
L1051	25 28	0090319229 Peaking Coil 4,7 μH. 10%	PL105		0130209109 PUSH Switch L-8.35MM
L1052	25 28	0090319229 Peaking Coil 4,7 μH. 10%	PTC800	△	0810101212 Dual PTC 18 Ω +25%
L1053	* 25 28	0790131908 Carbon 220 Ω 5% 1/6W.	TRANSISTORS		
L1054	* 21	0790701106 SMD 0 Ω 1/10W.	Q100		0360320501 BRT SMD PDTA124ET
L1054	* 25 28	0620011502 Ferrite SMD 0603 600 Ω/20 MHz	Q101		0360320501 BRT SMD PDTA124ET
L1055	* 21	0790701106 SMD 0 Ω 1/10W.	Q102		0360320022 SMD BC 848 B
L1055	* 25 28	0620011502 Ferrite SMD 0603 600 Ω/20 MHz	Q104		0360320022 SMD BC 848 B
L1350	0090319229	Peaking Coil 4,7 μH. 10%	Q105		0360320022 SMD BC 848 B
L1351	0090206806	Adjustable Coil 292XNS-4051Z	Q106		0360320022 SMD BC 848 B
L1352	0090319229	Peaking Coil 4,7 μH. 10%	Q1354		0360320022 SMD BC 848 B
L201	0090315029	Peaking Coil 10 μH. 10%	Q200		0360320022 SMD BC 848 B
L250	0090305665	Peaking Coil 4,7 μH 10% I MAX=930MA	Q201		0360320121 SMD BC 858 B
L251	0090318668	Peaking Coil 1 μH. 20% I MAX=270MA	Q202		0360320121 SMD BC 858 B
L252	0090350307	Chip Coil 0,39μH. 10% 0805 Shielded	Q203		0360320022 SMD BC 848 B
L300	0090817016	Choke Coil 12 μH. 1,2 A. 4X10	Q250		0360320022 SMD BC 848 B
L301	*	0620005504 Ferrite bead 3,5X6 80 Ω/100 MHz	Q251		0360189112 PH2369
L302	*	0620005504 Ferrite bead 3,5X6 80 Ω/100 MHz	Q252		0360320501 BRT SMD PDTA124ET
L303	*	0620005504 Ferrite bead 3,5X6 80 Ω/100 MHz	Q253		0360320501 BRT SMD PDTA124ET
L304	*	0620005504 Ferrite bead 3,5X6 80 Ω/100 MHz	Q254		0360320501 BRT SMD PDTA124ET
L350	*	0090319765 Peaking Coil 22 μH. 10% I MAX=130MA	Q255		0360161400 BF 370
L351	*	0090319765 Peaking Coil 22 μH. 10% I MAX=130MA	Q256		0360320600 BRT SMD PDTC124ET
L400	0090319229	Peaking Coil 4,7 μH. 10%	Q300		0360320022 SMD BC 848 B
L401	0090319229	Peaking Coil 4,7 μH. 10%	Q350		0360320600 BRT SMD PDTC124ET
L402	0090319229	Peaking Coil 4,7 μH. 10%	Q351		0360320600 BRT SMD PDTC124ET
L403	0090319229	Peaking Coil 4,7 μH. 10%	Q400		0360320022 SMD BC 848 B
L404	*	0620011502 Ferrite SMD 0603 600 Ω/20 MHz	Q600		0360308506 KSP 42 TO-92
L405	0090319229	Peaking Coil 4,7 μH. 10%	Q601		0360320121 SMD BC 858 B
L406	*	0090316605 Peaking Coil 10 μH. 10%	Q650		0360306708 S 2055 N
L407	*	0790126700 Carbon 100 Ω 5% 1/6W.	Q650A		0640705117 Eyelet 2,5-3
L408	* 25 28	0790126700 Carbon 100 Ω 5% 1/6W.	Q651		0360320022 SMD BC 848 B
L409	0090319765	Peaking Coil 22 μH. 10% I MAX=130MA	Q652		0360320022 SMD BC 848 B
L600	21	0090305269 Peaking Coil 6,8 μH 10% I MAX=860MA	Q653		0360308605 KSP 92 TO-92
L600	25 28	0090305665 Peaking Coil 4,7 μH 10% I MAX=930MA	Q670		0360308605 KSP 92 TO-92
L651	25 28	0090502709 Dynamic Correction Coil 0,85 MH.	Q671		0360308506 KSP 42 TO-92
L652	21	0090816711 Fixed Lineality Coil LH11J70SH-T10	Q672		0360320501 BRT SMD PDTA124ET
L652	25 28	0090817107 Fixed Lineality Coil LH15J150SH			

Location	Part No.	Description	Location	Part No.	Description
Q673	0360320022	SMD BC 848 B	R147	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.
Q700	0360320121	SMD BC 858 B	R148	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.
Q750	25 28	0360308605 KSP 92 TO-92	R149	0790846109	R.M.G. SMD 220 Ω 5% 1/10W.
Q751	25 28	0360320600 BRT SMD PDTC124ET	R151	0790027502	Carbon 1 KΩ 5% 1/4W.
Q830	0360320121	SMD BC 858 B	R152	0790138804	Carbon 1 KΩ 5% 1/6W.
Q831	0360320121	SMD BC 858 B	R153	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.
Q832	0360320121	SMD BC 858 B	R154	0790227003	R.M.G. 100 Ω 5% 1/10W.
Q850	0360320022	SMD BC 848 B	R155	0790227003	R.M.G. 100 Ω 5% 1/10W.
Q851	0360320600	BRT SMD PDTC124ET	R156	0790741805	R.M.G. SMD 1,5 KΩ 5% 1/10W.
Q852	0360320022	SMD BC 848 B	R157	0790245005	R.M.G. SMD 3,3 KΩ 5% 1/10W.
Q853	0360320121	SMD BC 858 B	R158	0790245005	R.M.G. SMD 3,3 KΩ 5% 1/10W.
Q854	0360320121	SMD BC 858 B	R159	0790245005	R.M.G. SMD 3,3 KΩ 5% 1/10W.
Q855	0360320022	SMD BC 848 B	R160	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.
Q856	0360320022	SMD BC 848 B	R162	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.
Q857	0360320501	BRT SMD PDTA124ET	R163	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.
Q858	0360320600	BRT SMD PDTC124ET	R165	0790227003	R.M.G. 100 Ω 5% 1/10W.
Q900	0360320022	SMD BC 848 B	R166	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.
Q901	0360320022	SMD BC 848 B	R167	0790227003	R.M.G. 100 Ω 5% 1/10W.
Q902	0360320121	SMD BC 858 B	R168	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.
Q903	0360320121	SMD BC 858 B	R170	0790741805	R.M.G. SMD 1,5 KΩ 5% 1/10W.
RI100	0600121818	Infrared Receiver TSOP 1738SA1	R172	0790227003	R.M.G. 100 Ω 5% 1/10W.
RESISTORS			R173	0790749402	R.M.G. SMD 6,8 KΩ 5% 1/10W.
R100	0790126700	Carbon 100 Ω 5% 1/6W.	R200	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.
R101	0790227003	R.M.G. 100 Ω 5% 1/10W.	R201	0790128201	Carbon 120 Ω 5% 1/4W.
R102	0790227003	R.M.G. 100 Ω 5% 1/10W.	R202	0790235006	R.M.G. SMD 470 Ω 5% 1/10W.
R103	0790227003	R.M.G. 100 Ω 5% 1/10W.	R203	0790846109	R.M.G. SMD 220 Ω 5% 1/10W.
R104	0790227003	R.M.G. 100 Ω 5% 1/10W.	R204	0790846109	R.M.G. SMD 220 Ω 5% 1/10W.
R105	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.	R205	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.
R1050	25 28	0790223002 R.M.G. SMD 47 Ω 5% 1/10W.	R206	0790846109	R.M.G. SMD 220 Ω 5% 1/10W.
R106	0790227003	R.M.G. 100 Ω 5% 1/10W.	R207	*	0790223002 R.M.G. SMD 47 Ω 5% 1/10W.
R107	0790126700	Carbon 100 Ω 5% 1/6W.	R208	*	0790223002 R.M.G. SMD 47 Ω 5% 1/10W.
R108	0790227003	R.M.G. 100 Ω 5% 1/10W.	R211	0790138804	Carbon 1 KΩ 5% 1/6W.
R109	0790227003	R.M.G. 100 Ω 5% 1/10W.	R212	0790234009	R.M.G. SMD 390 Ω 5% 1/10W.
R110	0790126700	Carbon 100 Ω 5% 1/6W.	R213	0790235006	R.M.G. SMD 470 Ω 5% 1/10W.
R111	0790126700	Carbon 100 Ω 5% 1/6W.	R214	0790235006	R.M.G. SMD 470 Ω 5% 1/10W.
R112	0790126700	Carbon 100 Ω 5% 1/6W.	R215	0790131908	Carbon 220 Ω 5% 1/6W.
R113	0790126700	Carbon 100 Ω 5% 1/6W.	R216	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.
R114	0790256002	R.M.G. SMD 27 KΩ 5% 1/10W.	R250	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.
R115	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.	R251	0790242002	R.M.G. SMD 1,8 KΩ 5% 1/10W.
R116	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.	R252	0790235006	R.M.G. SMD 470 Ω 5% 1/10W.
R117	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.	R253	0790263008	R.M.G. SMD 100 KΩ 5% 1/10W.
R118	0790126700	Carbon 100 Ω 5% 1/6W.	R254	0790227003	R.M.G. 100 Ω 5% 1/10W.
R120	0790233001	R.M.G. SMD 330 Ω 5% 1/10W.	R255	0790753909	R.M.G. SMD 15 KΩ 5% 1/10W.
R121	0790233001	R.M.G. SMD 330 Ω 5% 1/10W.	R256	0790753909	R.M.G. SMD 15 KΩ 5% 1/10W.
R122	0790753909	R.M.G. SMD 15 KΩ 5% 1/10W.	R257	0790564009	Metal Film 1,8 KΩ 5% 2W.
R123	0790126700	Carbon 100 Ω 5% 1/6W.	R258	0790259006	R.M.G. SMD 47 KΩ 5% 1/10W.
R124	0790864102	R.M.G. SMD 1,2 KΩ 5% 1/10W.	R259	0790701106	SMD 0 Ω 1/10W.
R125	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.	R261	0790220602	R.M.G. SMD 22 Ω 5% 1/10W.
R126	0790230007	R.M.G. SMD 180 Ω 5% 1/10W.	R262	0790701106	SMD 0 Ω 1/10W.
R127	0790155600	Carbon 22 KΩ 5% 1/6W.	R263	0790246003	R.M.G. SMD 3,9 KΩ 5% 1/10W.
R129	0790259006	R.M.G. SMD 47 KΩ 5% 1/10W.	R264	0790753909	R.M.G. SMD 15 KΩ 5% 1/10W.
R130	0790741805	R.M.G. SMD 1,5 KΩ 5% 1/10W.	R265	0790126700	Carbon 100 Ω 5% 1/6W.
R131	0790580328	Metal Film 23,7 KΩ 1% 0,4W.	R266	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.
R132	0790758304	R.M.G. SMD 39 KΩ 1% 1/8W.	R267	0790874101	R.M.G. SMD 2,7 KΩ 5% 1/10W.
R133	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.	R268	0790123400	Carbon 47 Ω 5% 1/6W.
R134	0790227003	R.M.G. 100 Ω 5% 1/10W.	R269	0790223002	R.M.G. SMD 47 Ω 5% 1/10W.
R135	0790227003	R.M.G. 100 Ω 5% 1/10W.	R270	0790223002	R.M.G. SMD 47 Ω 5% 1/10W.
R1356	0790229009	R.M.G. SMD 150 Ω 5% 1/10W.	R271	0790245005	R.M.G. SMD 3,3 KΩ 5% 1/10W.
R136	0790227003	R.M.G. 100 Ω 5% 1/10W.	R272	0790223002	R.M.G. SMD 47 Ω 5% 1/10W.
R1360	0790133607	Carbon 330 Ω 5% 1/6W.	R300	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.
R1361	0790233001	R.M.G. SMD 330 Ω 5% 1/10W.	R301	0790259006	R.M.G. SMD 47 KΩ 5% 1/10W.
R1362	0790235006	R.M.G. SMD 470 Ω 5% 1/10W.	R302	0790243000	R.M.G. SMD 2,2 KΩ 5% 1/10W.
R137	0790126700	Carbon 100 Ω 5% 1/6W.	R303	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.
R138	0790126700	Carbon 100 Ω 5% 1/6W.	R304	0790131908	Carbon 220 Ω 5% 1/6W.
R139	0790151500	Carbon 10 KΩ 5% 1/6W.	R305	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.
R140	0790126700	Carbon 100 Ω 5% 1/6W.	R306	0790131908	Carbon 220 Ω 5% 1/6W.
R141	0790126700	Carbon 100 Ω 5% 1/6W.	R307	0790111413	Carbon 4,7 Ω 5% 1/2W.
R142	0790126700	Carbon 100 Ω 5% 1/6W.	R308	0790111413	Carbon 4,7 Ω 5% 1/2W.
R143	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.	R309	0790245005	R.M.G. SMD 3,3 KΩ 5% 1/10W.
R144	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.	R310	0790245005	R.M.G. SMD 3,3 KΩ 5% 1/10W.
R145	0790126700	Carbon 100 Ω 5% 1/6W.	R311	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.
R146	0790126700	Carbon 100 Ω 5% 1/6W.	R312	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.
			R313	0470040007	Jumper Lead 0,6 mm.

Location	Part No.	Description	Location	Part No.	Description
R350	0790123103	Carbon 47 Ω 5% 1/4W.	R666	△ 25 28	0790516702 Fuse 0,47 Ω 5% 0,5W.
R351	0790123103	Carbon 47 Ω 5% 1/4W.	R667		0790239008 R.M.G. SMD 1 KΩ 5% 1/10W.
R352	0790711204	R.M.G. SMD 4,7 Ω 5% 1/10W.	R668		0790163109 Carbon 100 KΩ 5% 1/4W.
R353	0790711204	R.M.G. SMD 4,7 Ω 5% 1/10W.	R669		0790255004 R.M.G. SMD 22 KΩ 5% 1/10W.
R354	△	0790535702 Fuse 10 Ω 5% 0,33W.	R670		0790846109 R.M.G. SMD 220 Ω 5% 1/10W.
R355	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.	R671	21	0790766307 R.M.G. SMD 180 KΩ 5% 0,25W.
R356	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.	R671	25 28	0790259006 R.M.G. SMD 47 KΩ 5% 1/10W.
R359	0790741805	R.M.G. SMD 1,5 KΩ 5% 1/10W.	R672		0790238000 R.M.G. SMD 820 Ω 5% 1/10W.
R360	0790757603	R.M.G. SMD 33 KΩ 5% 1/10W.	R673		0790131106 Carbon 220 Ω 5% 1/4W.
R361	0790741805	R.M.G. SMD 1,5 KΩ 5% 1/10W.	R674	21	0790588529 Metal Film 100 KΩ 1% 0,4W
R362	0790757603	R.M.G. SMD 33 KΩ 5% 1/10W.	R674	25 28	0790157408 Carbon 33 KΩ 5% 1/6W.
R363	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.	R675		0470040007 Jumper Lead 0,6 mm.
R364	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.	R676		0790753909 R.M.G. SMD 15 KΩ 5% 1/10W.
R400	0790126700	Carbon 100 Ω 5% 1/6W.	R677	21	0790250005 R.M.G. SMD 8,2 KΩ 5% 1/10W.
R401	0790126700	Carbon 100 Ω 5% 1/6W.	R677	25 28	0790749402 R.M.G. SMD 6,8 KΩ 5% 1/10W.
R402	0790151500	Carbon 10 KΩ 5% 1/6W.	R678		0790752208 R.M.G. SMD 12 KΩ 5% 1/10W.
R403	0790227003	R.M.G. 100 Ω 5% 1/10W	R679		0790261002 R.M.G. SMD 68 KΩ 5% 1/10W.
R404	0790227003	R.M.G. 100 Ω 5% 1/10W	R680		0790263008 R.M.G. SMD 100 KΩ 5% 1/10W.
R405	0790227003	R.M.G. 100 Ω 5% 1/10W	R681		0790255004 R.M.G. SMD 22 KΩ 5% 1/10W.
R407	0790227003	R.M.G. 100 Ω 5% 1/10W	R682		0790259006 R.M.G. SMD 47 KΩ 5% 1/10W.
R408	0790126700	Carbon 100 Ω 5% 1/6W.	R683		0790259006 R.M.G. SMD 47 KΩ 5% 1/10W.
R409	0790126700	Carbon 100 Ω 5% 1/6W.	R684		0790143606 Carbon 2,2 KΩ 5% 1/6W.
R410	0790126700	Carbon 100 Ω 5% 1/6W.	R685		0790363105 R.M.G. SMD 18 KΩ 5% 1/10W.
R411	0790126700	Carbon 100 Ω 5% 1/6W.	R686	21	0790232003 R.M.G. SMD 270 Ω 5% 1/10W.
R412	0790263008	R.M.G. SMD 100 KΩ 5% 1/10W.	R686	25 28	0790701106 SMD 0 Ω 1/10W.
R413	0790227003	R.M.G. 100 Ω 5% 1/10W	R687		0790701106 SMD 0 Ω 1/10W.
R414	0790256002	R.M.G. SMD 27 KΩ 5% 1/10W.	R688		0790767503 R.M.G. SMD 220 KΩ 5% 1/10W.
R415	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.	R691		0790227003 R.M.G. 100 Ω 5% 1/10W
R416	0790784201	R.M.G. SMD 4,7 MΩ 5% 1/10W.	R695		0790741409 Solid 1,5 KΩ 10% 1/2W.
R417	0790784201	R.M.G. SMD 4,7 MΩ 5% 1/10W.	R700		0790351100 Metal Film 3 KΩ 1% 0,4W.
R418	0790753909	R.M.G. SMD 15 KΩ 5% 1/10W.	R701	△	0790538706 Fuse 15 Ω 5% 0,5W.
R419	0790753909	R.M.G. SMD 15 KΩ 5% 1/10W.	R702	21	0790303408 Metal Film 1,33 Ω 1% 0,6W.
R423	0790263008	R.M.G. SMD 100 KΩ 5% 1/10W.	R702	25 28	0790520407 Metal Film 0,68 Ω 5% 0,61W.
R424	0790256002	R.M.G. SMD 27 KΩ 5% 1/10W.	R703	21	0790122303 Carbon 39 Ω 5% 1/2W.
R425	0790773303	R.M.G. SMD 680 KΩ 5% 1/10W.	R703	25 28	0790119200 Carbon 22 Ω 5% 1/2W.
R426	0790758304	R.M.G. SMD 39 KΩ 1% 1/8W.	R704		0790864102 R.M.G. SMD 1,2 KΩ 5% 1/10W.
R427	0790137707	Carbon 680 Ω 5% 1/6W	R705		0790554828 Metal Film 330 Ω 5% 1W.
R428	0790123400	Carbon 47 Ω 5% 1/6W.	R706		0790243000 R.M.G. SMD 2,2 KΩ 5% 1/10W.
R429	0790127104	Carbon 100 Ω 5% 1/4W.	R707		0790539001 Metal Film 18 Ω 5% 1W.
R436	0790135701	Carbon 470 Ω 5% 1/6W.	R708		0790135701 Carbon 470 Ω 5% 1/6W.
R437	0790151500	Carbon 10 KΩ 5% 1/6W.	R750	25 28	0790542518 Metal Film 33 Ω 5% 2W.
R438	0790180509	Carbon 2,2 MΩ 5% 1/4W.	R753	25 28	0790247001 R.M.G. SMD 4,7 KΩ 5% 1/10W.
R439	0790237002	R.M.G. SMD 680 Ω 5% 1/10W.	R754	25 28	0790586309 Metal Film 68 KΩ 1% 0,6W
R600	21	0790350508 Metal Film 2,7 KΩ 1% 0,6W.	R755	25 28	0790239008 R.M.G. SMD 1 KΩ 5% 1/10W.
R600	25 28	0790569636 Metal Film 4,64 KΩ 1% 0,6W.	R756	25 28	0790233001 R.M.G. SMD 330 Ω 5% 1/10W.
R601	0790148100	Carbon 5,6 KΩ 5% 1/4W.	R757	25 28	0790255004 R.M.G. SMD 22 KΩ 5% 1/10W.
R602	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.	R758	25 28	0790255004 R.M.G. SMD 22 KΩ 5% 1/10W.
R603	21	0470040007 Jumper Lead 0,6 mm.	R759	25 28	0790251003 R.M.G. SMD 10 KΩ 5% 1/10W.
R603	25 28	0790349005 Metal Film 2,2 KΩ 5% 2W.	R800	△	0790180111 Carbon 2,2 MΩ 5% 1/2W.
R604	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.	R801	△	0790184113 Carbon 4,7 MΩ 5% 1/2W.
R605	0790741805	R.M.G. SMD 1,5 KΩ 5% 1/10W.	R802		0780145504 Wirewound 2,7 Ω 10% 5W.
R606	21	0790133102 Carbon 330 Ω 5% 1/4W	R803		0790579411 Metal Film 18 KΩ 5% 2W.
R606	25 28	0790343008 Metal Film 1 KΩ 5% 1W	R804	21	0790516819 Metal Film 0,51 Ω 5% 1W.
R607	0790123400	Carbon 47 Ω 5% 1/6W.	R804	25 28	0790514202 Metal Film 0,43 Ω 5% 1,2W.
R650	25 28	0790578140 Metal Oxide 15 KΩ 5% 2W.	R805	21	0790516819 Metal Film 0,51 Ω 5% 1W.
R651	21	0790577142 Metal Oxide 12 KΩ 5% 2W.	R805	25 28	0790514202 Metal Film 0,43 Ω 5% 1,2W.
R651	25 28	0790578140 Metal Oxide 15 KΩ 5% 2W.	R806		0790237002 R.M.G. SMD 680 Ω 5% 1/10W.
R652	25 28	0790559223 Metal Film 820 Ω 5% 1W	R807		0790115505 Carbon 10 Ω 5% 1/4W.
R653	0790048607	Carbon 10 KΩ 5% 1/4W.	R808	21	0790243000 R.M.G. SMD 2,2 KΩ 5% 1/10W.
R654	0790766307	SMD 180 KΩ 5% 0,25W.	R808	25 28	0790242002 R.M.G. SMD 1,8 KΩ 5% 1/10W.
R655	21	0790532402 Metal Oxide 4,7 Ω 5% 1,5W.	R809		0790245005 R.M.G. SMD 3,3 KΩ 5% 1/10W.
R655	25 28	0790310015 Metal Film 3,9 Ω 5% 2W.	R810	△	0790513014 Fuse 0,33 Ω 5% 0,5W.
R656	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.	R811	△	0790185524 Solid 5,6 MΩ 10% 1/2W.
R657	0790259006	R.M.G. SMD 47 KΩ 5% 1/10W.	R812	△	0790185524 Solid 5,6 MΩ 10% 1/2W.
R658	0790766406	R.M.G. SMD 180 KΩ 5% 1/10W.	R815		0790127104 Carbon 100 Ω 5% 1/4W.
R659	0790138804	Carbon 1 KΩ 5% 1/6W.	R816		0790362107 Metal Film 15 KΩ 5% 1W.
R660	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.	R830	△	0790339105 Fuse 390 Ω 5% 0,5W.
R661	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.	R831		0790757603 R.M.G. SMD 33 KΩ 5% 1/10W.
R662	0790131908	Carbon 220 Ω 5% 1/6W.	R832		0790259006 R.M.G. SMD 47 KΩ 5% 1/10W.
R663	0790048607	Carbon 10 KΩ 5% 1/4W.	R833		0790136402 Carbon 560 Ω 5% 1/2W.
R664	21	0780163309 Wirewound Resistor 8,2 Ω 10% 5W.	R834		0790248009 R.M.G. SMD 5,6 KΩ 5% 1/10W.
R665	21	0790559223 Metal Film 820 Ω 5% 1W	R835	△	0790545404 Fuse 56 Ω 5% 0,5W.
R666	△ 21	0790512313 Fuse 0,33 Ω 5% 1W.	R836		0790246003 R.M.G. SMD 3,9 KΩ 5% 1/10W.

Location	Part No.	Description	Location	Part No.	Description
R837	0790749402	R.M.G. SMD 6,8 KΩ 5% 1/10W.	R944	0790247001	R.M.G. SMD 4,7 KΩ 5% 1/10W.
R838	0790701106	SMD 0 Ω 1/10W.	R945	0790243000	R.M.G. SMD 2,2 KΩ 5% 1/10W.
R839	0790248009	R.M.G. SMD 5,6 KΩ 5% 1/10W.	R946	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.
R850	0790242002	R.M.G. SMD 1,8 KΩ 5% 1/10W.	R947	0790235006	R.M.G. SMD 470 Ω 5% 1/10W.
R851	0790363105	R.M.G. SMD 18 KΩ 5% 1/10W.	R948	*	0620011502 Ferrite SMD 0603 600 Ω/20 MHz
R852	0790237002	R.M.G. SMD 680 Ω 5% 1/10W.	SCR850	0360306807	Thyristor MCR22-6 400V/1,5A TO-92
R853	0790238000	R.M.G. SMD 820 Ω 5% 1/10W.	SF1350	*	0090410507 SAW Filter K9260M
R854	0790233001	R.M.G. SMD 330 Ω 5% 1/10W.	SF200	*	0090410408 SAW Filter G3964M
R855	21	0790588701 Metal Film 100 KΩ 1% 0,6W.	SW800	△	0140204108 Power Switch S-95 WITHOUT WIPER
R855	25 28	0790588602 Metal Film 110 KΩ 1% 0,6W.	S300	0330729807	Phone Jack Stereo W/Disconnection
R856	21	0790348106 R.M.G. SMD 2,05 KΩ 1% 1/8W	S900	0330161415	Scart Connector 21 PIN BLACK
R856	25 28	0790347009 R.M.G. SMD 1,78 KΩ 1% 1/8W	S901	0330161506	Scart Connector 21 PIN BLUE
R857	0790766406	R.M.G. SMD 180 KΩ 5% 1/10W.	S902	0330159708	3 RCA'S Assembly
R858	0790135206	Carbon 470 Ω 5% 1/4W.	TR830	0360306914	Triac BT 137-600 Leadform 78-13
R859	0790159503	Carbon 47 KΩ 5% 1/6W			
R861	0790583603	Metal Film 62 KΩ 5% 2W.			
R862	0790245005	R.M.G. SMD 3,3 KΩ 5% 1/10W.			
R863	0790229009	R.M.G. SMD 150 Ω 5% 1/10W.			
R864	0790242002	R.M.G. SMD 1,8 KΩ 5% 1/10W.			
R865	0790243000	R.M.G. SMD 2,2 KΩ 5% 1/10W.			
R867	0790256002	R.M.G. SMD 27 KΩ 5% 1/10W.			
R868	0790260004	R.M.G. SMD 56 KΩ 5% 1/10W.			
R869	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.			
R870	0790126700	Carbon 100 Ω 5% 1/6W.			
R871	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.			
R872	21	0790758007 Carbon 36 KΩ 5% 1/6W.			
R872	25 28	0790157408 Carbon 33 KΩ 5% 1/6W.			
R873	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.			
R875	0790135206	Carbon 470 Ω 5% 1/4W.			
R876	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.			
R877	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.			
R900	0790026207	Carbon 560 Ω 5% 1/4W.			
R901	0790126700	Carbon 100 Ω 5% 1/6W.			
R902	0790036305	Carbon 2,2 KΩ 5% 1/4W.			
R903	0790026207	Carbon 560 Ω 5% 1/4W.			
R904	0790126700	Carbon 100 Ω 5% 1/6W.			
R905	0790036305	Carbon 2,2 KΩ 5% 1/4W.			
R906	0790046403	Carbon 12 KΩ 5% 1/4W.			
R907	0790888101	R.M.G. SMD 9,1 KΩ 5% 1/10W.			
R908	0790125702	Carbon 75 Ω 5% 1/4W.			
R909	0790125702	Carbon 75 Ω 5% 1/4W.			
R910	0790046403	Carbon 12 KΩ 5% 1/4W.			
R911	0790888101	R.M.G. SMD 9,1 KΩ 5% 1/10W.			
R912	0790026207	Carbon 560 Ω 5% 1/4W.			
R913	0790227003	R.M.G. 100 Ω 5% 1/10W			
R914	0790026207	Carbon 560 Ω 5% 1/4W.			
R915	0790227003	R.M.G. 100 Ω 5% 1/10W			
R916	0790036305	Carbon 2,2 KΩ 5% 1/4W.			
R917	0790036305	Carbon 2,2 KΩ 5% 1/4W.			
R918	0790027502	Carbon 1 KΩ 5% 1/4W.			
R919	0790027502	Carbon 1 KΩ 5% 1/4W.			
R920	0790027502	Carbon 1 KΩ 5% 1/4W.			
R921	0790027502	Carbon 1 KΩ 5% 1/4W.			
R922	0790125702	Carbon 75 Ω 5% 1/4W.			
R923	0790125702	Carbon 75 Ω 5% 1/4W.			
R924	0790125702	Carbon 75 Ω 5% 1/4W.			
R925	0790125702	Carbon 75 Ω 5% 1/4W.			
R926	0790125702	Carbon 75 Ω 5% 1/4W.			
R927	0790125702	Carbon 75 Ω 5% 1/4W.			
R928	0790036305	Carbon 2,2 KΩ 5% 1/4W.			
R929	0790036305	Carbon 2,2 KΩ 5% 1/4W.			
R930	0790125702	Carbon 75 Ω 5% 1/4W.			
R931	0790227003	R.M.G. 100 Ω 5% 1/10W			
R932	0790227003	R.M.G. 100 Ω 5% 1/10W			
R933	*	0790234009 R.M.G. SMD 390 Ω 5% 1/10W.			
R934	0790135701	Carbon 470 Ω 5% 1/6W.			
R935	0790128201	Carbon 120 Ω 5% 1/4W.			
R936	0790135701	Carbon 470 Ω 5% 1/6W.			
R937	0790255004	R.M.G. SMD 22 KΩ 5% 1/10W.			
R940	0790125702	Carbon 75 Ω 5% 1/4W.			
R941	0790128201	Carbon 120 Ω 5% 1/4W.			
R942	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.			
R943	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.			
TUNER					
	TU250	*	21	0850102906	Tuner CTT5045N
	TU250	*	25 28	0850102617	Tuner UV1315/AI-2
TRANSFORMERS					
	T600	0940200801			Driver Transformer 800T/20T
	T650	△	21	0940108202	FBT 21" HFT867M
	T650	△	25 28	0940108707	FBT 25"/28" HFT426M
	T650A	0640705117			Eyelet 2,5-3
	T650CF	0330160508			FOCUS Wire FBT SANYO
	T650CG	21		0330160607	G2 Wire FBT SANYO
	T800	△	21	0930107206	Switch Transformer 90° 10603970
	T800	△	25 28	0930107008	Switch Transformer 110° 10592330
	T800A	0640705117			Eyelet 2,5-3
	VR850	0770511152			VR 220 Ω
	X100	0090121708			Quartz Crystal 12 MHz
	X400	0090121104			Quartz Crystal, 4,4336190 MHz.
PCB DIGITAL AUDIO					
CAPACITORS					
	C1301	0230720203			Ceramic SMD 1 μF. +80-20%
	C1302	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1303	0230600504			Ceramic SMD 100 nF. 10% 25V.
	C1304	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1305	0250320769			Electrolytic 10 μF. 16V.
	C1306	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1307	0230720203			Ceramic SMD 1 μF. 16V. +80-20%
	C1319	0230720203			Ceramic SMD 1 μF. 16V. +80-20%
	C1320	0250410867			Electrolytic 47 μF. 16V.
	C1323	0250410867			Electrolytic 47 μF. 16V.
	C1324	0230320301			Ceramic SMD 470 pF. 10% 50V.
	C1326	0230320301			Ceramic SMD 470 pF. 10% 50V.
	C1328	0230320301			Ceramic SMD 470 pF. 10% 50V.
	C1330	0230320301			Ceramic SMD 470 pF. 10% 50V.
	C1332	0250410867			Electrolytic 47 μF. 16V.
	C1333	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1334	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1335	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1336	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1338	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1339	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1340	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1341	0250320769			Electrolytic 10 μF. 16V.
	C1342	0230480600			Ceramic SMD 10 nF. +80-20% 50V
	C1343	0230720203			Ceramic SMD 1 μF. 16V. +80-20%
	C1344	0230720203			Ceramic SMD 1 μF. 16V. +80-20%
	C1380	0230600603			Ceramic SMD 100 nF. +80-20% 25V.
	C1381	0250320769			Electrolytic 10 μF. 16V.
	C1382	0230740003			Ceramic SMD 2,2 μF. 10V. +80-20%
	C1383	0270222037			Polyester 10 nF. 5% 63V.
	C1384	0270342835			Polyester 100 nF. 5% 63V.
	C1385	0270101231			Polyester 1000pF. 5% 63V.

Location	Part No.	Description	Location	Part No.	Description
C1386	0270222037	Polyester 10 nF. 5% 63V.	BRSPK1	0010203503	Wire Band 98/2.5 Natural
C1387	0270222037	Polyester 10 nF. 5% 63V.	BRSPK2	0010203503	Wire Band 98/2.5 Natural
C1388	0270222037	Polyester 10 nF. 5% 63V.	CN.FB	0330256629	4P CONNEC. W/WireS 770+33/630+33 MM
C1389	0270222037	Polyester 10 nF. 5% 63V.	CN.FE	0330208208	Power Cord Assy 17-212 L=2500 MM
C1390	0250320769	Electrolytic 10 µF. 16V.	CN.FF1	0330246901	2 WAY Connector CASE W/LEAD
C1391	0250320769	Electrolytic 10 µF. 16V.	CN.FF2	0330246802	2 WAY Connector CASE W/LEAD
C1392	0230740003	Ceramic SMD 2,2 µF. 10V. +80-20%	L-800	△ 21	0090257106 Degaussing Coil 21"
C1393	0250410867	Electrolytic 47 µF. 16V.	L-800	△ 25	0090257205 Degaussing Coil 25"
C1394	0270101231	Polyester 1000pF. 5% 63V.	L-800	△ 28	0090257304 Degaussing Coil 28"
C1395	0270342835	Polyester 100 nF. 5% 63V.	SC001	0170200406	Shield Mesh 2 mm.
C1396	0270222037	Polyester 10 nF. 5% 63V.	SC1000	0330100009	AM SPLICE
C1397	0230740003	Ceramic SMD 2,2 µF. 10V. +80-20%	SPK 1	21	0030701916 Speaker 8 Ω 12W.
C1398 *	0230320301	Ceramic SMD 470 pF. 10% 50V.	SPK 1	25 28	0030118103 Speaker 8 Ω 18W.
C1399 *	0230320301	Ceramic SMD 470 pF. 10% 50V.	SPK 2	21	0030701916 Speaker 8 Ω 12W.
DIODES			SPK 2	25 28	0030118103 Speaker 8 Ω 18W.
D1301	0360602601	Zener SMD MMSZ5V1T1	TRC	△ 21	1000107605 C.R.T. 21" A51EAL155X10
D1302	0360602601	Zener SMD MMSZ5V1T1	TRC	△ 25	1000107118 C.R.T. 25" A59EAK071X11
D1303	0360602601	Zener SMD MMSZ5V1T1	TRC	△ 28	1000107217 C.R.T. 28" A66EAK071X11
INTEGRATED CIRCUITS					
IC1300	0360515100	TDA 9875A V2			
IC1380	0360513907	MM 1369BD			
CONNECTORS					
K1300A	0330330101	8P. Connector			
K1300B	0330380106	12P. Male Connector			
K1300C	0330198706	10 P. Connector			
COILS					
L1300	0620011502	Ferrite SMD 0603 600 Ω/20 MHz	BAT	0660100603	Dry Battery 1,5V. SUM-3F
L1301	0620011502	Ferrite SMD 0603 600 Ω/20 MHz	EM 1	21	0190204016 Packing Cartoon 21"
L1302	0620011502	Ferrite SMD 0603 600 Ω/20 MHz	EM 1	25	0190205005 Packing Cartoon 25"
L1303	0620011502	Ferrite SMD 0603 600 Ω/20 MHz	EM 1	28	0190204214 Packing Cartoon 28"
L1304	0090316506	Peaking Coil 2,2 µH.10% RADIAL	EM 2	21	0190178806 Upper Cushion Assy 21"
L1308	0090316506	Peaking Coil 2,2 µH.10% RADIAL	EM 2	25	0190178004 Upper Cushion Assy 25"
PCB14	△	0750150930 Audio PCB EB5-A	EM 2	28	0190178202 Upper Cushion Assy 28"
RESISTORS			EM 3	21	0190178905 Bottom Cushion Assy 21"
R1300	0790227003	R.M.G. 100 Ω 5% 1/10W	EM 3	25	0190178103 Bottom Cushion Assy 25"
R1301	0790227003	R.M.G. 100 Ω 5% 1/10W	EM 3	28	0190178301 Bottom Cushion Assy 28"
R1302	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.	EM10	0600123103	Remote Control EB5-W / EB5-A
R1303	0790239008	R.M.G. SMD 1 KΩ 5% 1/10W.	EM11	0010716116	Holder RC GBR-BLFAF
R1304	0790701106	SMD 0 Ω 1/10W.			
R1310	0790752208	R.M.G. SMD 12 KΩ 5% 1/10W.			
R1311	0790752208	R.M.G. SMD 12 KΩ 5% 1/10W.			
R1312	0790752208	R.M.G. SMD 12 KΩ 5% 1/10W.			
R1313	0790752208	R.M.G. SMD 12 KΩ 5% 1/10W.			
R1314	0790752208	R.M.G. SMD 12 KΩ 5% 1/10W.			
R1315	0790752208	R.M.G. SMD 12 KΩ 5% 1/10W.			
R1316	0790232003	R.M.G. SMD 270 Ω 5% 1/10W.			
R1318	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.			
R1381	0790749808	R.M.G. SMD 7,5 KΩ 5% 1/10W.			
R1382	0790227003	R.M.G. 100 Ω 5% 1/10W.			
R1383	0790251003	R.M.G. SMD 10 KΩ 5% 1/10W.			
R1384	0790258008	R.M.G. SMD 39 KΩ 5% 1/10W.			
X1300	0090121906	Quartz Crystal 24.576 MHz			

ELECTRICAL ASSY

AM 1	0010203909	Insulating Ring HV Cable
BRDEFL	0010203503	Wire Band 98/2.5 Natural
BRDG	25 28	0010203503 Wire Band 98/2.5 Natural
BRDGI	21	0010203412 Wire Clamp 430X4,8
BRDGI	25 28	0010203313 Holder DC GBR-HBZ
BRDGS		0010203313 Holder DC GBR-HBZ
BRDY		0010203503 Wire Band 98/2.5 Natural
BRFEFC		0010203503 Wire Band 98/2.5 Natural
BRFH		0200099406 Wire Holding Hook G
BRK9C		0010203503 Wire Band 98/2.5 Natural

All information in this manual is correct at the start of production. Sanyo reserves its right to modify components and procedures in order to comply with their continuous improvement policy.



SANYO