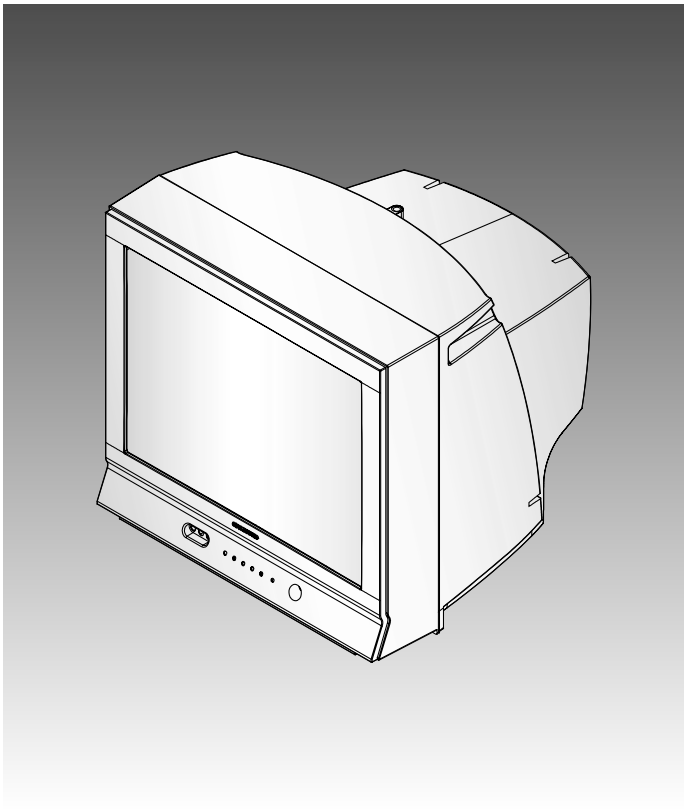
SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : K15C
Model : TXM2090FX/XAA

SERVICE Manual

COLOR TELEVISION RECEIVER



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ELECTRONICS

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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

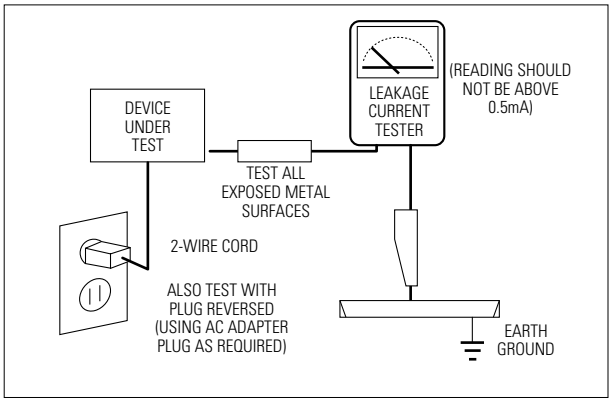

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
    Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
    Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
    The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
    Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚡) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

CAUTION

These servicing instructions are for use by qualified service personnel only.
To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

2. Specifications and IC Data

2-1 Specifications

Television System:

MODEL	SYSTEM
CT	NTSC ONLY

Channels:

System / Band	NTSC
VHF	2 - 13
UHF	14 - 69
CABLE	1 - 125

Intermediate Frequencies (MHz) :

SYSTEM / IF Carrier Frequency	NTSC
Picture IF Carrier	45.75
Sound IF Carrier	41.25
Color Sub Carrier	42.18

Picture Tube:

20 Inch	A51QDX991X001	20Inch	FLAT
25 Inch	A63QDB891X	25Inch	1.0R, +380MG
29 Inch	A68QDN891X001	29Inch	1.0R, +380MG

Power Requirements: AC 120V, 60Hz

Antenna Input Impedance: VHF, UHF : Telescopic dipole antenna (75 ohm unbalanced type)

Speaker Impedance 8 ohm, 2W+2W (Dual Type)

2-2 IC Line Up

Table 2-1 IC Line-Up

Loc. No	Specification	Description	Remark
IC201S	SPM456AN	TDA9377, English/Spanish/French	Philips
IC301	LA7841	VERTICAL OUTPUT	Sanyo
IC501	TDA6107Q	RGB DRIVE AMP	Philips
IC602	TDA7268	SOUND-AMP (2W x 2CH)	Philips
IC801S	KA5Q0740RT (0765RT)	POWER IC (STR)	FIAIR CHILD
IC802	KA7632	CUSTOM REGULATOR (5V, 8V, 3.3V)	SEC
IC202	24C04	EEPROM	
PC801S	TCET1108 / LTV817B	PHOTO COUPLER	
IC101	LA7510	SIF - IC	SANYO
IC601	MSP3425G	Sound Processor	Micronas

2-3 Semiconductor Base Diagrams

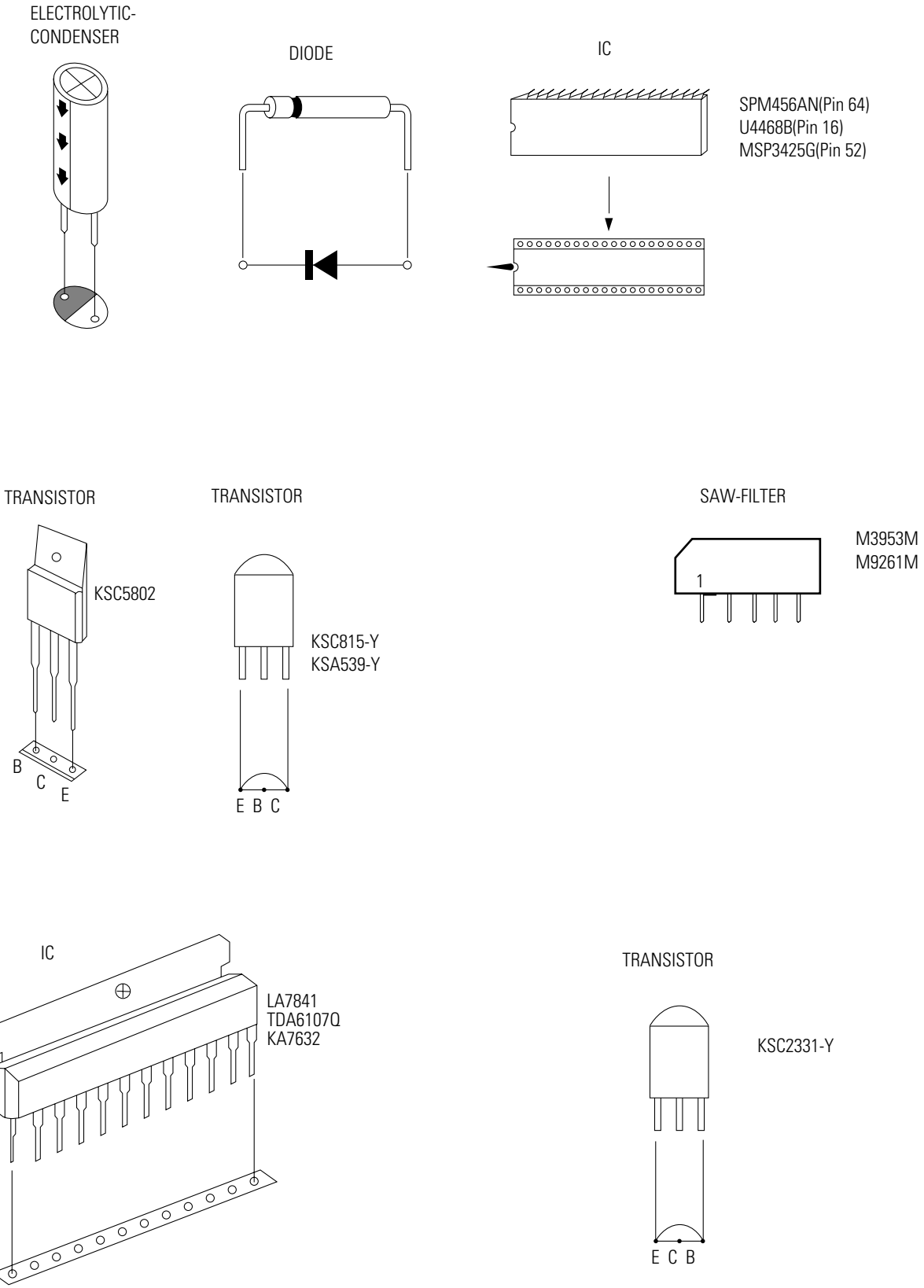

Fig. 2-1 Semiconductor Base Diagrams

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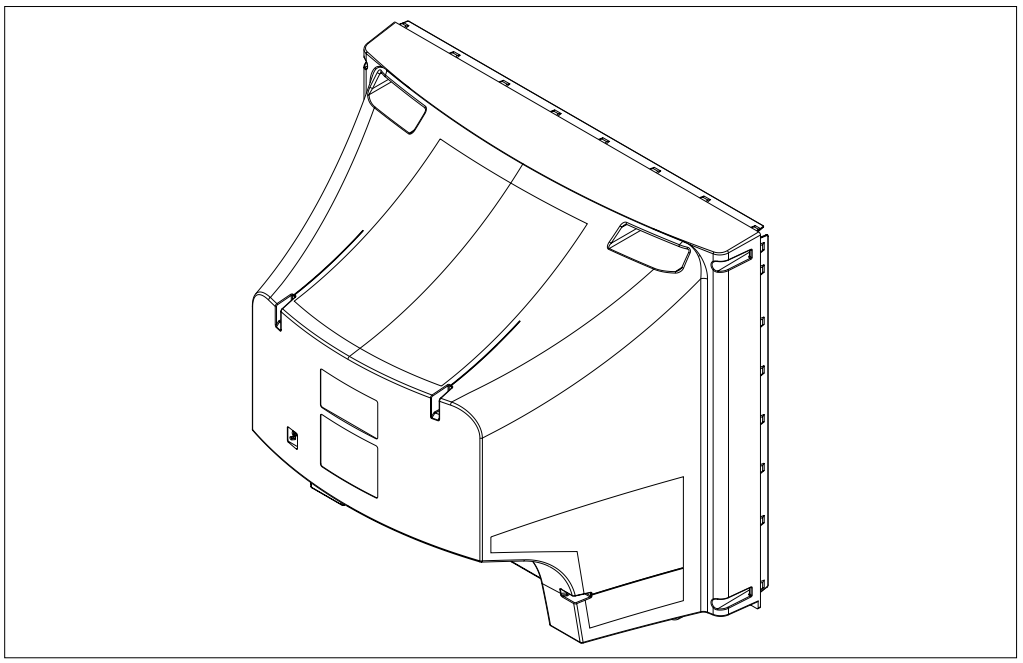
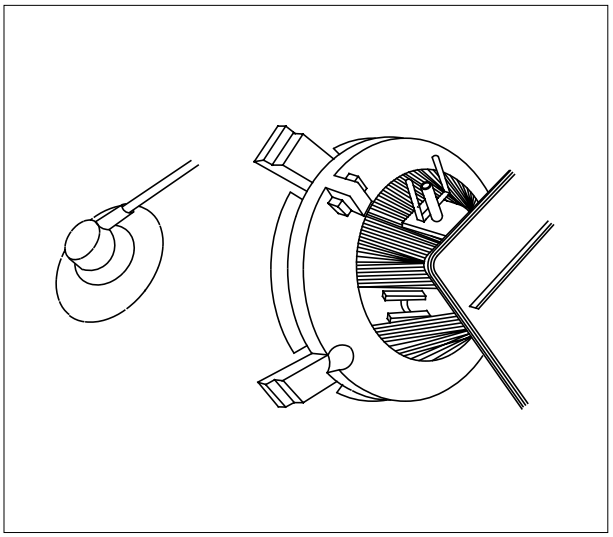
3. Disassembly and Reassembly

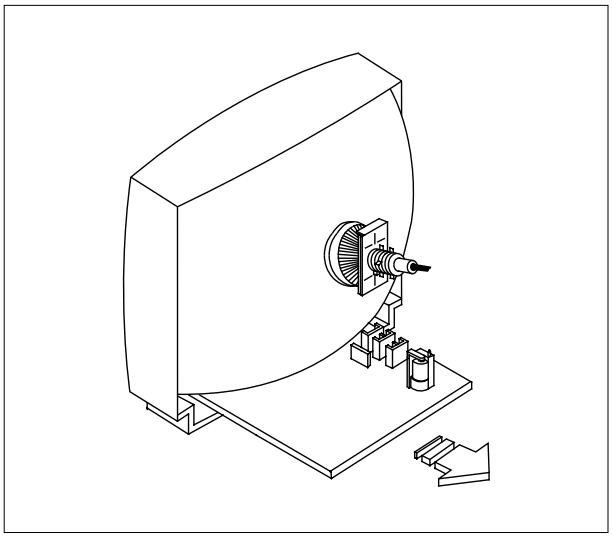
3-1 Back Cover Removal



1. After removing the screws, press the tension rib and pull the cabinet backwards.
2. To reassemble, press the tension rib (see diagram).

3-2 Main Board Removal

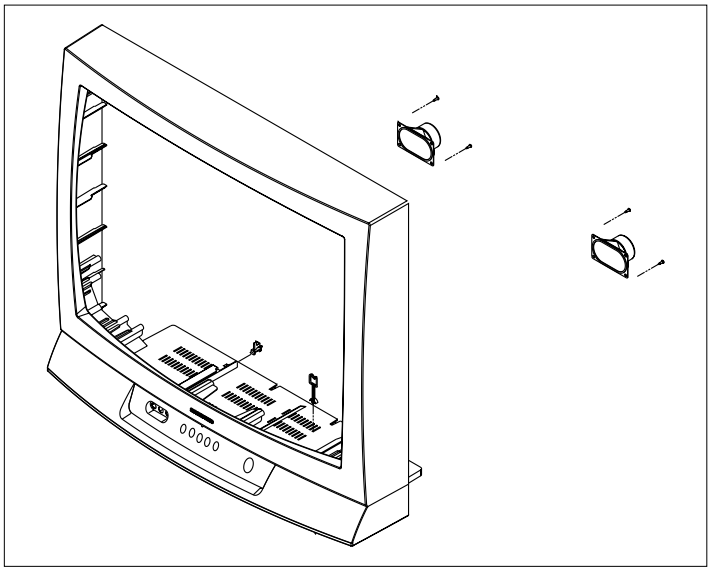




1. Separate the socket board from the CRT neck.
2. Remove the Anode Cap from the CRT.
3. Remove the main board by pulling it with both hands.

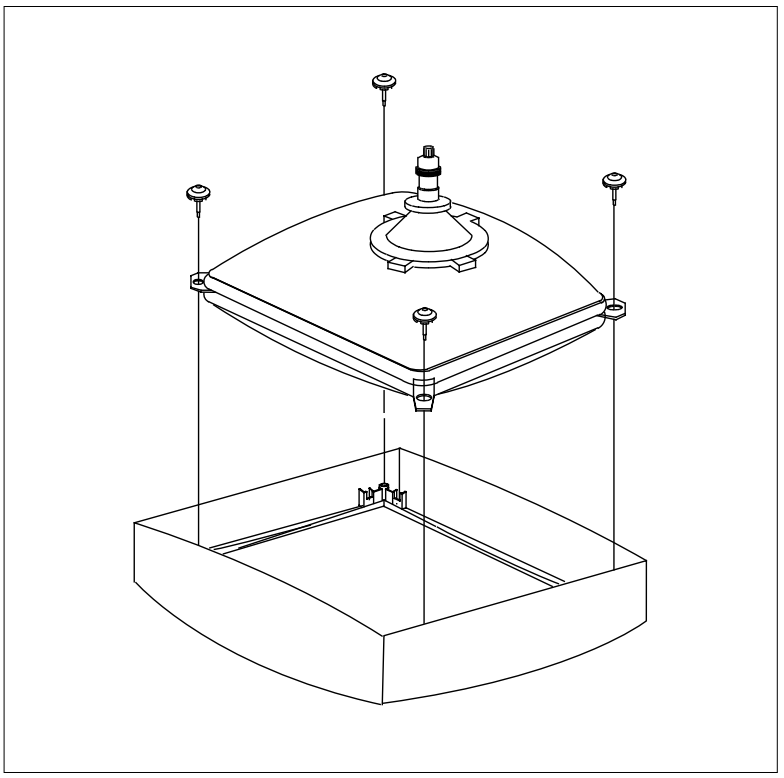
Warning: The FBT is charged with high voltage.
Before removing the Anode Cap, discharge the voltage through one of the heat sinks on the main board.

3-3 Speaker Removal



1. Remove the speaker by pressing the tension rib.

3-4 CRT Removal



1. Spread a soft mat on the floor. Place the TV set face down.

2. Remove the 4 nuts mounting the CRT to the front cabinet. Lift the CRT.

3. Caution: Because of the high vacuum and large surface area of the picture tube, be careful while handling it: (1) Always lift the picture tube by grasping it firmly around the faceplate, (2) Never lift the tube by its neck. (3) Do not scratch the picture tube or apply excessive pressure. Fractures of the glass may cause an implosion.

MEMO

4. Alignment and Adjustments

4-1 Preadjustment

4-1-1 Factory Mode

1. Do not attempt these adjustments in the Video Mode.

2. The Factory Mode adjustments are necessary when either the EEPROM (IC902) or the CRT is replaced.

3. Do not tamper with the “Adjustment” screen of the Factory Mode menu. This screen is intended only for factory use.

4-1-2 When EEPROM (IC902) Is Replaced

1. When IC902 is replaced all adjustment data revert to initial values. It is necessary to re-program this data.

2. After IC902 is replaced, warm up the TV for 10 seconds.

4-1-3 When CRT Is Replaced

1. Make the following adjustments AFTER setting up after setting up purity and convergence :

   White Balance
   Sub-Brightness
   Vertical Center
   Vertical Size
   Horizontal Size
   Fail Safe (This adjustment must be the last step).

2. If the EEPROM or CRT is replaced and set SC as 35(factory mode).

4-2 Factory/Service Mode

4-2-1 Procedure for the “Adjustment” Mode

1. This mode uses the standard remote control. The Service Mode is activated by entering the following remote-control sequence :

   (1) DISPLAY → FACTORY.

   (2) STAND-BY → MUTE → 1 → 8 → 2 →POWER ON.

2. The “SERVICE (FACTORY)” message will be displayed. The Service Mode has four components: ADJUST, OPTION , G2-ADJUST and RESET.

3. Access the Adjustment Mode by pressing the “VOLUME” keys (Up or Down). The adjustment parameters are listed in the accompanying table, and selected by pressing the CHANNEL keys (▲ , ▼).

4. Selection sequences for the all system:

   DOWN or UP key:

   SCT>SBT>BLR>BLB>RG>GG>BG>VSL>VS>VA>HS>SC>CDL>STT>AKB>PDL>NDL>PSR>NSR>SCBT>VOL>CAP>MVOL>RP00>RP01>FMWS>AGC1>OMD>SCL>PWL>MUS>AGC>DSK>DVDB

5. The VOLUME keys increase or decrease the adjustment values (stored in the non-volatile memory) when Adjustment Mode is cancelled.

6. Cancel the Adjustment Mode by re-pressing the “FACTORY” or “Power OFF” keys.

4-2-2 Main Adjustment Parameter

NO	OSD	FUNCTION	RANGE	INITIAL DATA	SETTING	REMARK
1	SCT	Sub Contrast	0 ~ 23	15	(16)	W/B Adjustment
2	SBT	Sub Brightness	0 ~ 23	8	(6)	W/B Adjustment
3	BLR	Black Level offset Red	0 ~ 63	35	(37)	W/B Adjustment
4	BLB	Black Level offset Blue	0 ~ 63	32	(33)	W/B Adjustment
5	RG	Red Gain	0 ~ 63	40	(38)	W/B Adjustment
6	GG	Green Gain	0 ~ 63	30	30	FIX
7	BG	Blue Gain	0 ~ 63	42	(39)	W/B Adjustment
8	VSL	Vertical Slope	0 ~ 63	30	(32)	Vertical Picture Adjusment
9	VS	Vertical Shift	0 ~ 63	31	31	FIX
10	VA	Vertical Amplitude	0 ~ 63	20	(20)	Vertical Picture Adjusment
11	HS	Horizontal Shift	0 ~ 63	32	(33)	Picture Adjusment
12	SC	S-Correction	0 ~ 63	35	35	FIX
13	CDL	Cathode Drive Level	0 ~ 15	11	11	FIX
14	STT	Sub Tint	0 ~ 7	3	3	FIX
15	AKB	AKB On / off	0 ~ 1	0	0	FIX
16	PDL	PAL Delay	0 ~ 15	2	2	FIX
17	NDL	NTSC Delay	0 ~ 15	1	1	FIX
18	PSR	PAL Sub color	0 ~ 23	20	20	FIX
19	NSR	NTSC Sub color	0 ~ 23	3	3	FIX
20	SCBT	Screen Brighrtness	0 ~ 63	35	35	FIX
21	VOL	Volume pre setting	0 ~ 63	10	10	FIX
22	CAP	Caption Position	0 ~ 15	12	12	FIX
23	MVOL	Melody Sound Volume	0 ~ 50	7	7	FIX
24	RP00	Ratio Pre / overshoot	0 ~ 1	1	1	FIX
25	RP01	Ratio Pre / overshoot	0 ~ 1	1	1	FIX
26	FMWS	Window Selection Sound PLL	0 ~ 1	0	0	FIX (Mono)
27	AGC1	IF AGC Speed	0 ~ 3	1	1	FIX (Nomal)
28	OMD	Offset IF Demodulator	0 ~ 63	32	32	FIX (No Crrection)
29	SCL	Soft Clipping Level	0 ~ 3	3	3	FIX (Off)
30	PWL	Peak White Limitting	0 ~ 15	15	15	FIX (100%)
31	MUS	Matrix USA	0 ~ 1	0	0	FIX (Mono)
32	AGC	Automatic Gain Control	0 ~ 63	33	33	FIX
33	DSK	Dynamic Skin Tone	0 ~ 1	0	0	FIX
34	DVDB	DVD Bright Offset	0 ~ 10	5	4	FIX

4-2-3 Option Bytes

In the Service Mode, various can be selected via the Option Table. Example:

Option Table : xx xx

	OSD	SETTING	REMARK
1	VIDEO MUTE	OFF	- Video Mute On/Off changing the channel
2	AUDIO	STEREO	- Audio Option (Mono / Steeo)
3	E/W	OFF	- E/W Option
4	ZOOM	NOR/ZOOM	- Picture Size Option
5	AUTO POWER	OFF	- Master S/w Option
6	AUDIO MUTE	ON	- Audio Mute On/ Off without signal
7	LANGUAGE	ENGLISH	- Inital Language agter Factory Reset
8	HOTEL MODE	OFF	- Hotel mode On/ Off
9	BULE SCREEN	OFF	- Bule Screen On/ Off without signal
10	2'nd SIF	INTERNAL	- SIF Option at Mono sound
11	V-CHIP	ON	- V-CHIP On/Off
12	AV Option	AV + DVD	- DVD, S-VHS Option
13	DEMO	OFF	- DEMONSTRATION On/Off

4-2-4 RESET

The Reset Mode is used during factory inspection.
Function Reset:

1.	Picture Mode	Custom
2.	Sound Mode	Custom
3.	Auto Volume	Off
4.	Melody	On
5.	Surround	Off
6.	Turbo Sound	Off
7.	MTS	Stereo
8.	Language	English
9.	Caption	Off
10.	Timer	Off

4-3 Other Adjustments

4-3-1 General

1. Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.

2. The picture should have good black and white details. There should be no objectionable color shading; if color shading is present, perform the purity and convergence adjustments described below.

3. Use the specified test equipment or its equivalent.

4. Correct impedance matching is essential.

5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.

6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.

7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.

8. To protect against shock hazard, use an isolation transformer.

4-3-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set has been moved or turned in a different direction, disconnect its AC power for at least 30 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before removing power.

4-3-3 High Voltage Check

CAUTION: There is no high voltage adjustment on this chassis. The B+ power supply must be set to +125 volts (Full color bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.
2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).
3. The high voltage should not exceed 30KV.
4. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 30KV under any conditions.

4-3-4 FOCUS Adjustment

1. Input a black and white signal.
2. Adjust the tuning control for the clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-3-5 Cathode Voltage Adjustment (Screen Adjustment)

1. Connect CRT socket pin GK to an oscilloscope probe.
2. Input a gray scale pattern. (Use a pattern generator, PM5518)
3. Use the P mode key (on the remote control) for the STANDARD picture.
4. Adjust the Screen VR (on the FBT) so that the voltage on the oscilloscope becomes 125±2.5V (See Fig. 4-1).

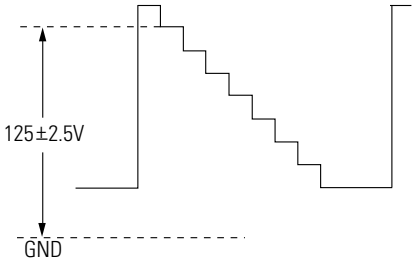


Fig. 4-1

4-3-6 Purity Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Plug in the CRT deflection yoke and tighten the clamp screw.
3. Plug the convergence yoke into the CRT and set in as shown in Fig. 4-2.
4. Input a black and white signal.
5. Fully demagnetize the receiver by applying an external degaussing coil.
6. Turn the CONTRAST and BRIGHTNESS controls to maximum.
7. Loosen the clamp screw holding the yoke. Slide the yoke backward or forward to provide vertical green belt. (Fig. 4-3).
8. Tighten the convergence yoke.
9. Slowly move the deflection yoke forward, and adjust for the best overall green screen.
10. Temporarily tighten the deflection yoke.
11. Produce blue and red rasters by adjusting the low-light controls. Check for good purity in each field.
12. Tighten the deflection yoke.

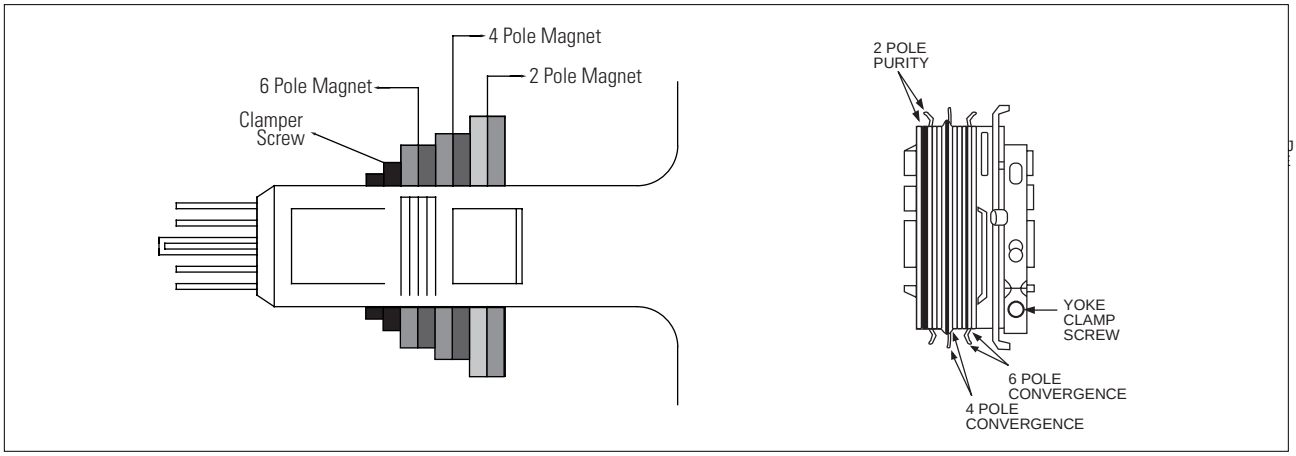


Fig. 4-2 Convergence Magnet Assembly

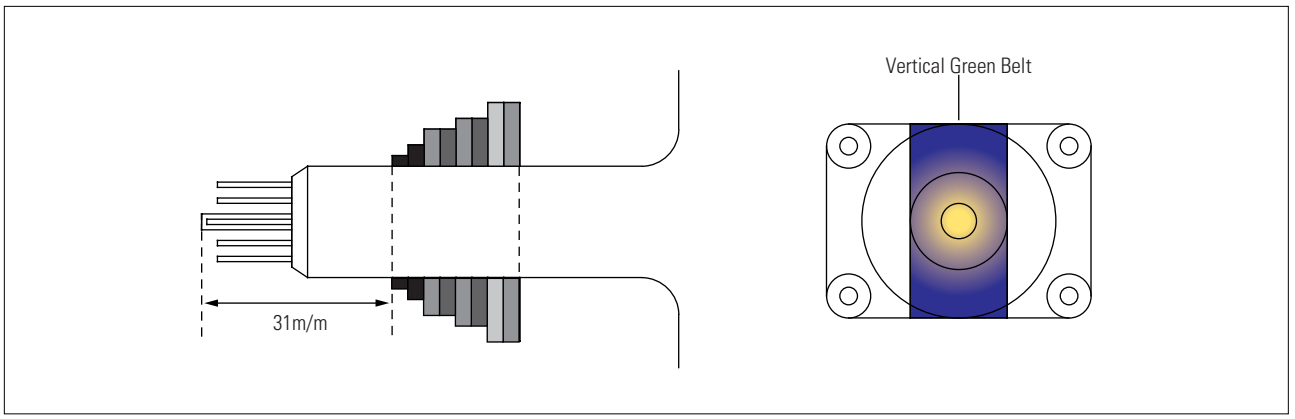


Fig. 4-3 Center Convergence Adjustment

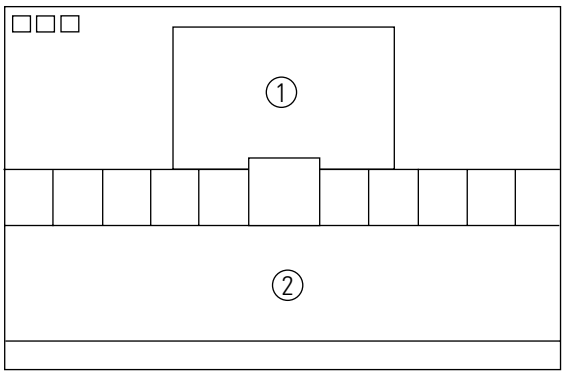


Fig. 4-4

4-3-7 White Balance Adjustment

(a) Set up

1. Warm up the TV for at least 30 minutes in the Aging Mode (OSD White). This mode is displayed by entering the following sequence:

   DISPLAY →FACTORY → FACTORY

2. Input a Toshiba pattern.

(b) Low-Light Adjustment

1. Set SBT to 1.0 fL in the Factory Service Mode with using CA100. See Fig. 4-4.

2. Adjust RG,BG so that the levels are suitable to each local area.

(c) High-Light Adjustment

1. Set SCT to 35 FL in the Factory Service Mode with using CA100.
   See Fig. 4-4 .

4-3-8 Center Convergence Adjustment

1. Warm up the receiver for at least 20 minutes.

2. Adjust the two tabs of the 4 pole magnets to change the angle between them. Superimpose the red and blue vertical lines in the center area of the screen.

3. Adjust the Brightness and Contrast controls for a well defined picture.

4. Adjust the two-tab pairs of the 4 pole magnets, and change the angle between them. Superimpose the red and the blue vertical lines in the center area of the screen.

5. Turn the both tabs at the same time, keeping the angle constant, and superimpose the red and blue horizontal line in the center of the screen.

6. Adjust the two-tab pairs of the 6-pole magnets to superimpose the red and blue line onto the green. (Changing the angle affects the vertical lines, and rotating both magnets affects the horizontal lines.)

7. Repeat adjustments 2~6, if necessary.

8. Since the 4-pole magnets and 6-pole magnets interact, the dot movement is complex (Fig. 4-5).

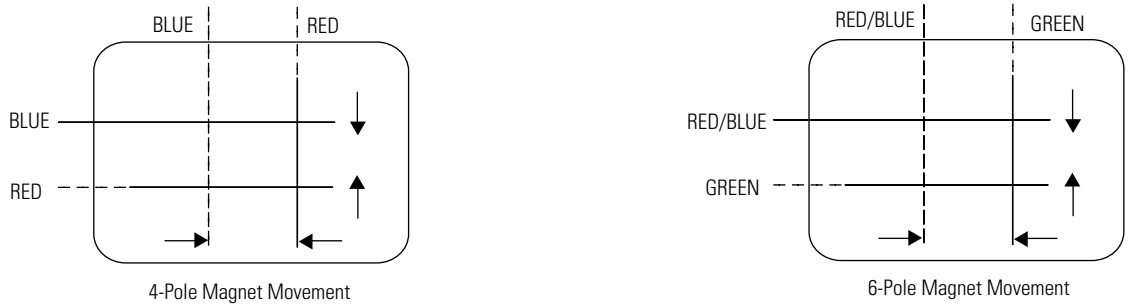


Fig. 4-5 Center Convergence Adjustment

4-3-9 RF AGC Adjustment

Set the AGC data to 33 (Factory Mode).

4-3-10 Sub-Color Adjustment

Set $\begin{matrix}\text{PSR}\\\text{NSR}\end{matrix}$ data to $\begin{matrix}20\\3\end{matrix}$ (Factory Mode).

4-3-11 Geometry Adjustment

SC →VS→VA→VSL→HS

1. Input a lion head pattern.
2. Set the SC (S-Correction) as 35 and VS(Vertical Shift) 31 so that the lion head circle becomes oval.
3. Adjust with VA (Vertical Amplitude) so that the top margin of the picture is 4.

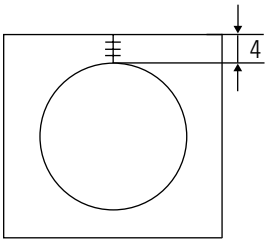


Fig. 4-7

4. Adjust with VSL (Vertical-Slope) so that the bottom margin of the picture is 4.

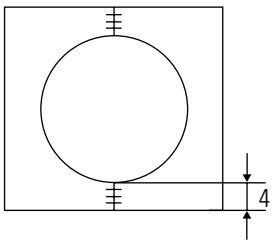


Fig. 4-8

5. Adjust with HS (Horizontal Shift) so that the lion-head pattern and CRT centers are aligned.

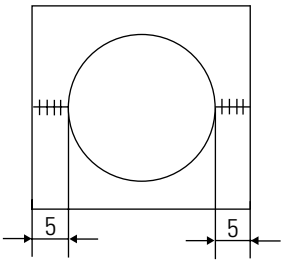
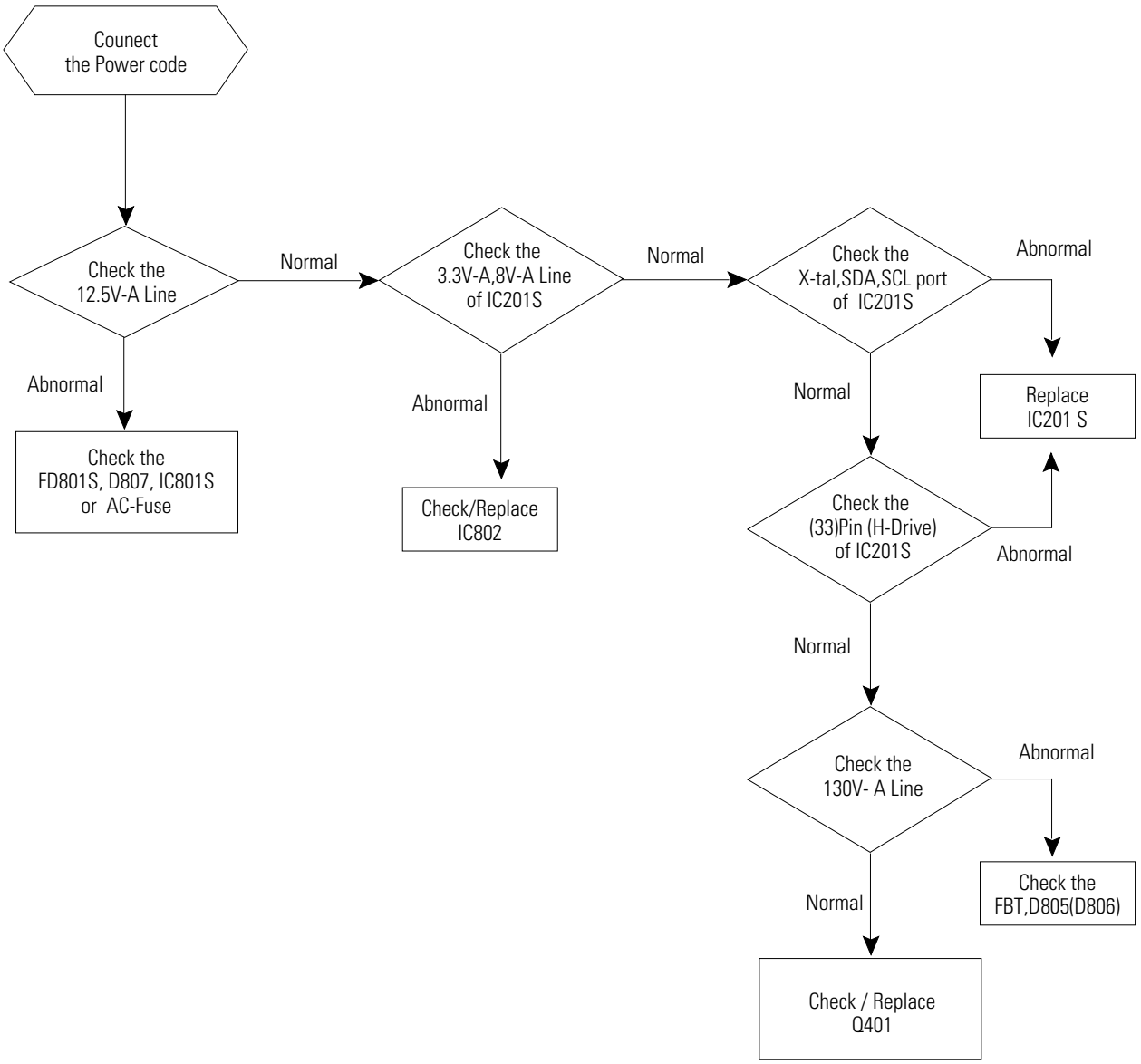


Fig. 4-9

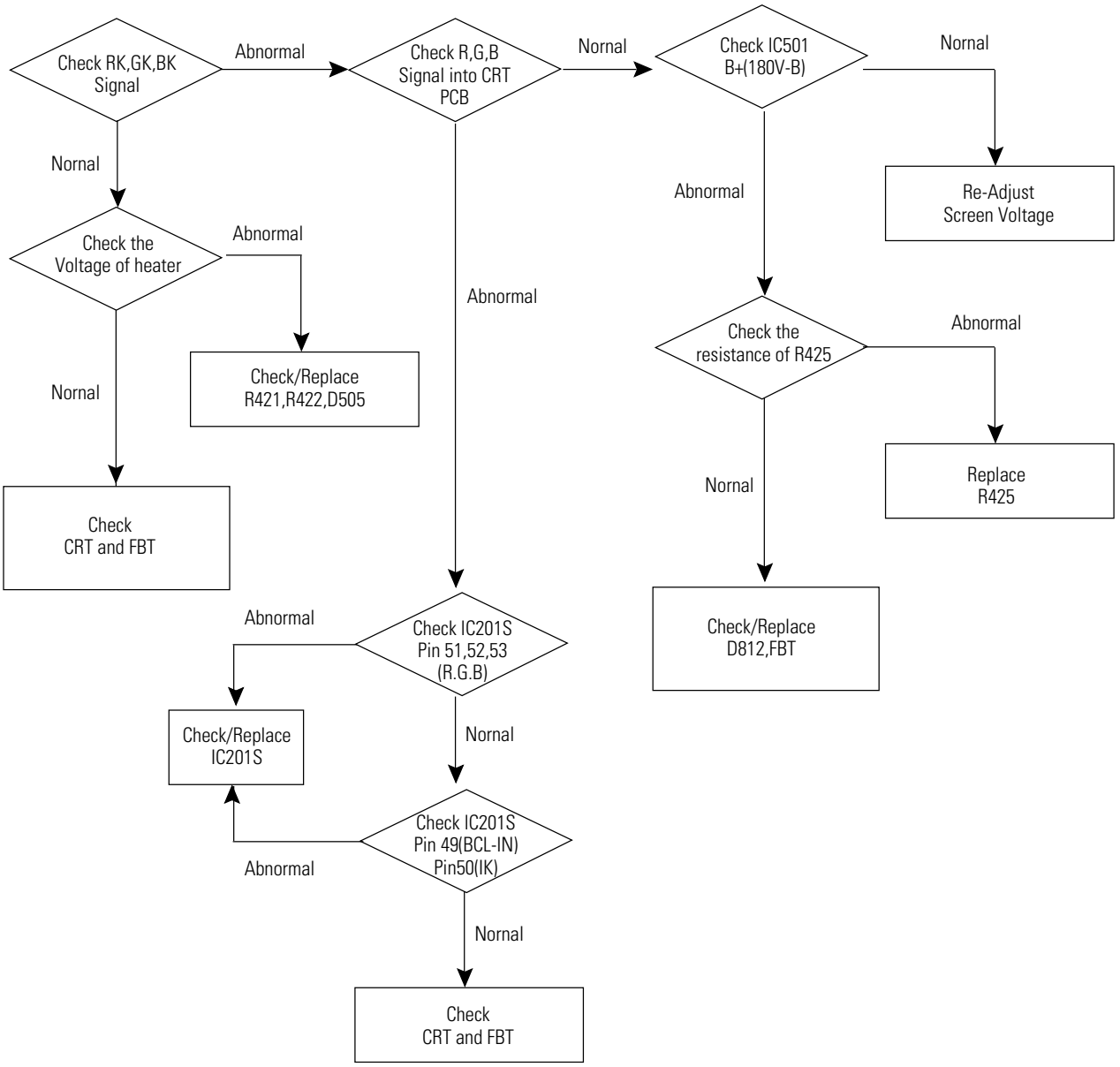
6. Adjust HS (Horizontal Shift) so that the left and right margins of the picture are 5.

5. Troubleshooting

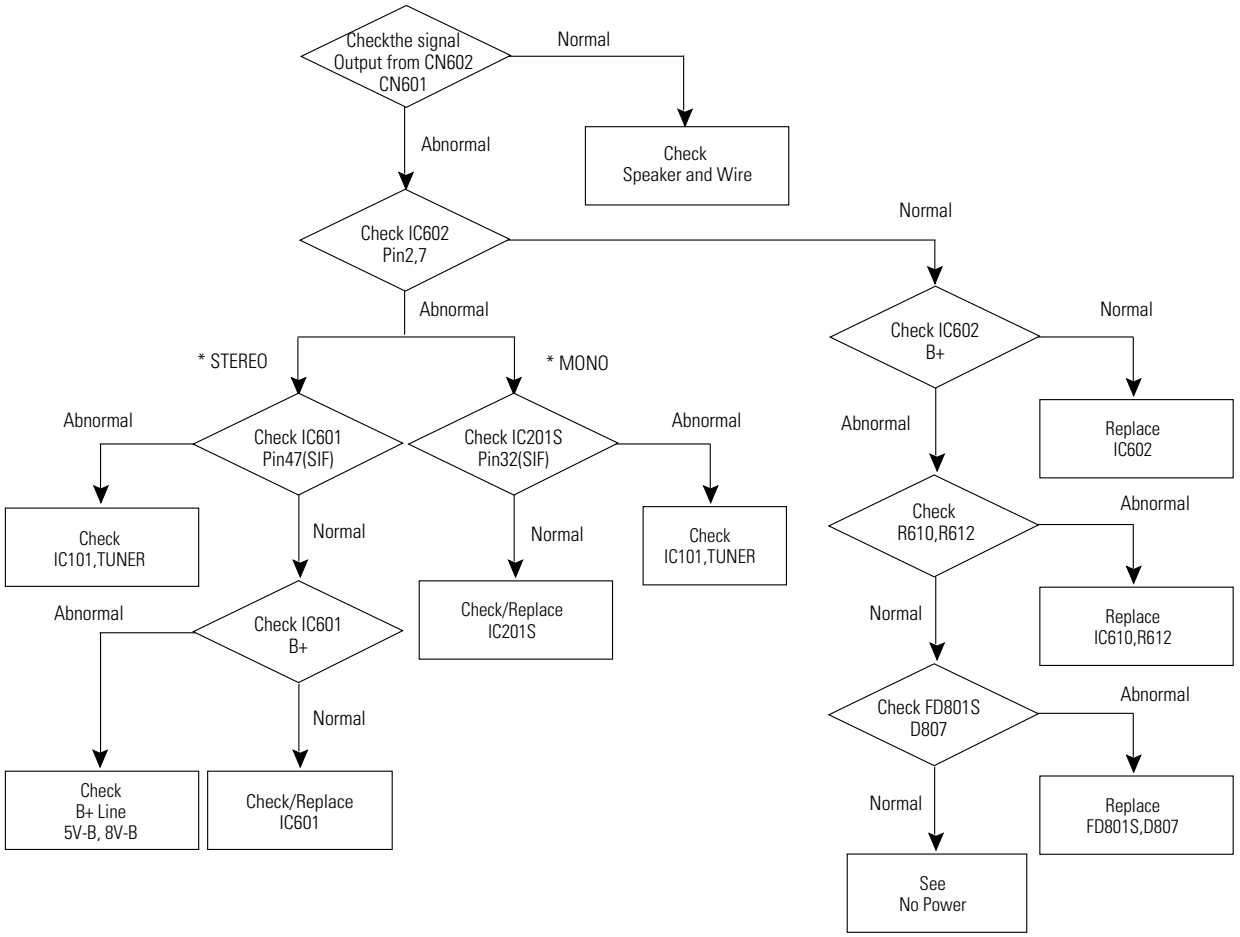
5-1 No Power



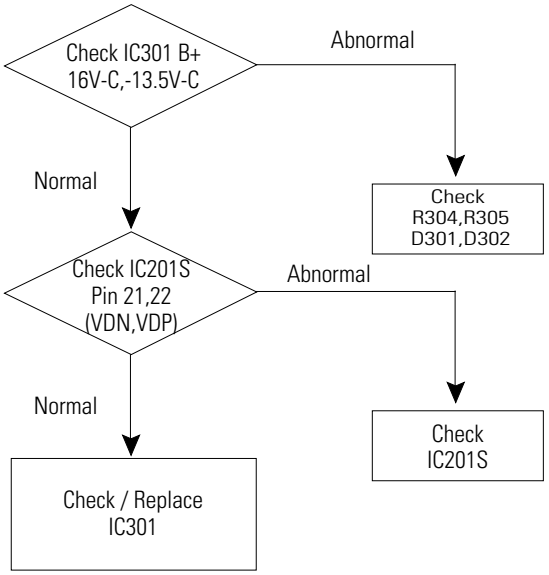
5-2 No Video (Sound OK)



5-3 No Sound (Video OK)

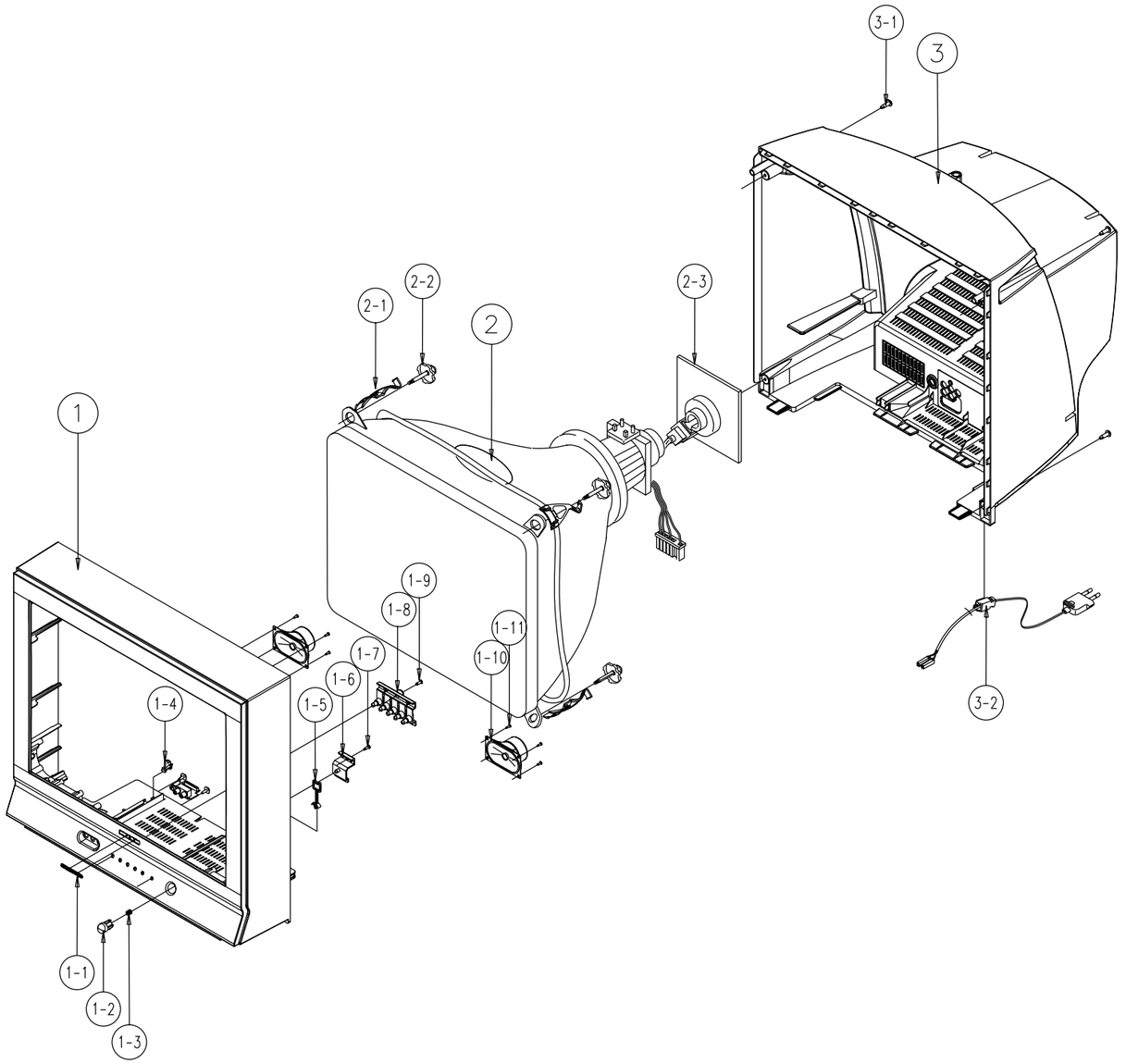


5-4 Horizontal Lines Appear or Screen



6. Exploded View & Parts List

6-1 TXM2090FX/XAA



No	Code No	Description	;Specification	Q'ty	Remark
1	AA64-02958A	CABINET-FRONT:21K7,HIPS,VO,BLK,DG703P,SE		1	F/C
1-1	AA64-70123A	BADGE-BRAND;AL,SAMSUNG,SILVER,L=50,FLAT,		1	BADGE
1-2	AA64-02545A	KNOB-POWER;K15C,21K7,ABS,HB,G3676		1	KP
1-3	AA61-60003J	SPRING-CS;-,-,SUS304,0.5,OD6,H		1	SPRING
1-4	AA61-40113A	STOPPER-PCB;-,ABS,HB,NTR.		1	STOPPE
1-5	AA64-02547A	KNOB-CONTROL;21K7,ABS,HB,G3676		1	KC
1-6	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR		1	KC+CF
1-7	AA64-02549A	WINDOW-RMC,21K7,PC,VIOLET		1	WR
1-8	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR		1	WR+CF
1-9	AA65-30105A	CLAMP-WIRE;NYLON 66N,VO,NTR,15MM		1	CWFCL
1-10	3001-001262	SPEAKER;3W,8OHM,87DB,280HZ		2	SPK
1-11	AA60-10008A	SCREW-TAPPING;-,TH,+,M3,L10,ZP		4	SPK+CF
2	AA03-00317A	CRT COLOR;A51QDX992X,0MG,1.85MH,18.0MH,2		1	CRT
2-1	AA65-00009B	CLAMP-D,COIL;NYLON 66,V0,-,-,21A8,-		4	CDCOIL
2-2	AA60-10050R	SCREW-ASSY;WC,HH,+M5,L31.5,SWR		4	CRT+CF
3	AA64-02542A	CABINET-BACK,21K7,HIPS,VO,BLK		1	C/B
3-1	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR		4	CB+CF
3-2	AA96-20129C	ASSY-POWER,CORD;-,EP2/YES,H/C200,ME301P,		1	PWR/AC

7. Electrical Parts List

7-1 TXM2090FX/XAA

Loc. No.		Code No.	Description ; Specification	Remark
			ASSY-CHASSIS	
	1 A/CHAS	AA91-04214L	ASSY-CHASSIS;KS3A;SPACE,27,SEA/SECA	
	2 CW	AA65-30018A	CLAMP-WIRE;-,NYLON6.6,-,-,DATL	
	2 FBT	AA65-30018A	CLAMP-WIRE;-,NYLON6.6,-,-,DATL	
	2 A/MAIN	AA94-08533D	ASSY-PCB MAIN;KS3A,27,SEA/SECA	
	3 Q402	0502-001007	TR-POWER;KSC2073-H2,NPN,150V,1	
	3 Q404	0505-000156	FET-SILICON;IRF620,N,200V,5A,0.8ohm,50W,	
⚠	3 PC801S	0604-001038	PHOTOCOUPLER;TR,130-260%,200MW	
	3 IC902	1103-001177	IC-EEPROM24WC16,2048x8bit,DIP,8P,2.5V	
⚠	3 IC401	1202-000103	IC-VOLTAGECOMP.393,DIP,8P,300MIL,DUAL,	
⚠	3 IC803	1203-001697	IC-VOLTAGEREGULATOR78R08,TO-220,4P,P	
	3 IC903	1203-001944	IC-POSI.FIXEDREG.78RM33,TO-220,3P,PLAST	
	3 IC601	1204-001737	IC-SOUND PROCESSOR;MSP3451G-PO-A2,DIP,52	
⚠	3 IC201S	1204-001812	IC-VIDEO PROCESS;VDP3130Y-B2,DIP,64P,760	
⚠	3 PT801S	1404-000002	THERMISTOR;NTC,90HM,20%,TR,AC290VRMS,120	
⚠	3 NT802S	1404-001045	THERMISTOR NTC;4.7OHM,15%,2900K,35.0MW,T	
	3 R807	2006-001083	R-CEMENT;120ohm,5%,5W,CJ,TP,14x10x27mm	
⚠	3 CY802S	2201-000446	C-CERAMIC,AC;CK45PE400V332-M(T	
	3 C423	2301-001192	C-FILM,MPPF;820nF,5%,400V,TP,29x18.5x25.	
	3 C407	2301-001338	C-FILM,MPE,PPF0.68nF,5%,1.6kV,TP,28x7x1	
	3 C426	2306-000204	C-FILM,MPPF;430NF,5%,400V,-,20	
⚠	3 CX801S	2306-000318	C-FILM,MPPF;220NF,20%,250V,-,2	
⚠	3 CX802S	2306-000318	C-FILM,MPPF;220NF,20%,250V,-,2	
	3 C405	2306-000330	C-FILM;CF922P1.6KVT772-HBUP	
	3 C406	2306-000330	C-FILM;CF922P1.6KVT772-HBUP	
	3 C803	2401-001652	C-ELECTROLYTIC;CE04W250V680M-M	
	3 C820	2401-003076	C-AL;3300uF,20%,50V,WP,BK,18x35.5mm	
	3 C815	2401-003602	C-AL;220uF,20%,160V,GP,BK,22x25mm,1	
	3 SW906	3404-001004	SWITCH TACT;12V,50MA,160GF8.4X22.7MM	
⚠	3 RL801S	3501-001040	RELAYPOWER;12VDC,500MW,10A,1FO	
⚠	3 FP801S	3601-000293	FUSE-CARTRIDGE;250V,5A,SLOW-BLOW,GLASS,5	
	3 CN501	3711-002641	POST-HEADER;67094-010(AUTO)	
	3 CN602	3711-002644	POST-HEADER;67094-005(AUTO)	
	3 CN502	3711-002646	POST-HEADER;67094-007(AUTO)	
	3 CN702	3711-002647	POST-HEADER;67094-008(AUTO)	
	3 JA701	3722-001333	JACK-RCA9P,3.2mm,NI,BLK	
	3 JA702	3722-001596	JACK-RCA;3P/9P,3.5mm,NI,BLK(GRN/BLU/RED	
	3 IC901	AA09-00243A	IC MICOM;SIM-408A3,CL-21A8,52P,-0.3~+7,	
⚠	3 T801S	AA26-00044C	TRANS SWITCHING,CODE-NO,CT-21A8,AC90-260	
⚠	3 T444S	AA26-00105A	TRANS FBT;FUH-29C001(S),CT29A5P,4.3MH,13	
⚠	3 T401	AA26-50001L	HORIZ.DRIVE;-,29MH,133UH,4.5UH	
	3 L402	AA27-00067A	COIL HORIZ. WIDTH;-,240uH,YL9N 12x20 C:6	
	3 L405	AA27-00096A	COIL HORIZ. WIDTH;-,10.0mH,DR15 X 27.5,U	
	3 L808	AA27-00098A	COIL CHOKE;-,-,24uH,10%,-,0.1,3.0A,DR10X	
⚠	3 L403	AA27-00099A	COIL LINEARITY;23.5uH,23.5uH,DR14x15C:5.	
	3 L408	AA27-00103A	COIL CHOKE;600UH,-,600UH,+-10%,600UH,0.5	
⚠	3 LX801S	AA29-00012A	FILTER LINE NOISE;CS29A6PF8X/HAC,-,0.1MA	
⚠	3 LX802S	AA29-00012A	FILTER LINE NOISE;CS29A6PF8X/HAC,-,0.1MA	
	3 GT101	AA39-20010B	LEAD-CONNECTOR,ASSY;-,YFH800-01,500MM,1P	
⚠	3 TU01S	AA40-00074A	TUNER;TCPN3081PA09A(B),NTSC,181CH,45	
	3 RM901	AA59-60001U	MODULE-REMOCON;-,ORC-50VF,38KH	
	3 L/PQS	AA68-01018A	LABEL-PQS,-,50mmX,13,-,WHITE,-	
⚠	3 IC804	AA96-00243C	ASSY H/S;-,REGULATOR,AA62-00045A,KA7806	
	4	0205-000129	GREASE-SILICON;SC102,JAPAN	
	4	1203-000284	IC-POSI.FIXEDREG.;7806,TO-220,	
	4	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
	4	AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-	
	3 HC401	AA96-00275A	ASSY H/S;-,COMPLEX,AA62-00051A,KSD5703,	
	4	0205-000129	GREASE-SILICON;SC102,JAPAN	
	4	0402-001296	DIODE-RECTIFIER;FMP-3FU,1500V,5A,T0-3PF	
	4	0502-001136	TR-POWER;KSD5703,NPN,70W,TO-3PF,ST,8-	
	4	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
	4	AA60-30001A	WASHER-PLATE;-,M3,ID3.5,15X8.5,T1.0,-,SB	
	4	AA62-00051A	HEAT SINK-PS;-,-,-,SILVER,HOLE 31mm,ALL,	
⚠	3 D801S	AA96-00276C	ASSY H/S;-,BRIDGE ,AA62-00052A,GSIB660,	
	4	0205-000129	GREASE-SILICON;SC102,JAPAN	
	4	0402-001399	DIODE-BRIDGE;GSIB660,600V,6A,SIP-4,BK	
	4	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
	4	AA60-30003A	WASHER;-,-,-,-,T1.5,-,SBHG-1	
	4	AA62-00052A	HEAT SINK-PS;-,-,-,SILVER,HOLE 18.5mm, 2	
	3 LD901	AA96-00461A	ASSY LED GUIDE;-,-,SL-255D,RED/GRN	
	3 HC801	AA96-00475A	ASSY H/S;-,REGULATOR,AA62-00066B,FML-G1	
	4	0205-000129	GREASE-SILICON;SC102,JAPAN	
	4	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,	
	4	0402-001230	DIODE-RECTIFIERFMG-G2CS,1000V,3A,TO-22	
	4	1203-001006	IC-VOLTAGEREGULATOR78R05,TO-220F,4P	
	4	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZP	
	4	AA62-00066B	HEAT SINK;D2,D3,AL ,T1.0,89,70,-,AA62-00	
	3 PWR/AC	AA96-00695A	ASSY-POWER,CORD;EP2/YES,H/C450,ME301P	
	4	AA39-10007Y	POWER-CORD;-,EP2/YES,SPT-2 18AWGx2C,2.4m	
	4	AA61-20284A	HOLDER P CORD;PP,VO,BLK,KE-002	
	3 IC602	AA96-50372B	ASSY-H/S;SOUND AMP,AA62-30181J,TDA7266S	
	4	0205-000129	GREASE-SILICON;SC102,JAPAN	
	4	1201-001308	IC-POWERAMP;7266,ZIP,15P,-,DUAL,26dB,PL	
	4	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
	4	AA62-30181J	HEAT-SINK,ES,AL6063 EXTR,2,WHT,40MM,AN	
⚠	3 IC801S	AA96-50371F	ASSY H/S;-,PWM,AA62-30181H,KA3S1265RD	
	4	0205-000129	GREASE-SILICON;SC102,JAPAN	
	4	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
	4	AA02-00007A	MICA;DPM-04,MICA,22x29x0.15mm	
	4	AA13-00101A	IC HYBRID;KA3A1265RD,CN5039,5Pin,-50to12	
	4	AA61-10386A	BRACKET-IC;-,-,SECC100,T1.0,-,KA2S0680,	
	4	AA62-30181H	HEATSINK-ES;-,AL6063EXTR.,2,WHT,50MM,-	
	3 IC301	AA96-50406A	ASSY-H/S;LA62-30180K,LA7845	
	4	1204-000517	IC-LINEAR;LA7845SIPVERTICALAMP	
	4	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
	4	AA62-30180K	HEATSINK-ES;-,A6063EXTR,-,WHT,50/13,-,	
	3 A/AUTO	AA97-07506P	ASSY-AUTO;MAIN;KS3A,27,SEA/SECA	
	4 D201	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D202	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D207	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D208	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D209	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D210	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D211	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D602	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D604	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
⚠	4 D804	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D906	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 DZ402	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
	4 D405	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1	
	4 D408	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1	
	4 D402	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.5	
⚠	4 DR01S	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.5	
	4 D413	0402-000537	DIODE-RECTIFIER;RH1A,600V,0.6A,	
	4 D401	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5	
	4 D404	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5	
	4 D301	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.	
	4 D411	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.	
⚠	4 D803	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.	
⚠	4 D816	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.	
⚠	4 D801	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-2	
	4 D403	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
	4 D406	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
	4 D407	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
⚠	4 D808	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
⚠	4 D810	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
⚠	4 D811	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
	4 D907	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
	4 DZ201	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
	4 DZ202	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
	4 DZ204	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
	4 DZ205	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	

Loc. No.	Code No.	Description ; Specification	Remark
4 DZ601	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ603	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ605	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ802	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ806	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ901	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ902	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ905	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ906	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ907	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ908	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ909	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ910	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
4 DZ306	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,	
4 DZ804	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,	
4 DZ602	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
4 DZ803	0403-001167	DIODE-ZENER;MTZJ30D,30V,29.02-30.51V,500	
4 DZ305	0403-001221	DIODE-ZENER;UZ39BSB,35.36-37.19V,500MW,D	
4 DZ203	0403-001321	DIODE-ZENER;MTZJ6.8C,6.66-7.01V,500mW,DO	
⚠ 4 DZR01S	0403-001321	DIODE-ZENER;MTZJ6.8C,6.66-7.01V,500mW,DO	
4 DZ801	0403-001322	DIODE-ZENER;MTZJ8.2B,7.78-8.19V,500mW,DO	
4 DZ808	0403-001322	DIODE-ZENER;MTZJ8.2B,7.78-8.19V,500mW,DO	
4 DZ401	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
4 DZ302	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,	
4 DZ303	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,	
4 DZ304	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,	
4 D203	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
4 D204	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
4 D205	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
4 D206	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
4 D901	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
4 D902	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
4 D903	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
4 D904	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
⚠ 4 QR01S	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM	
4 Q802	0501-000369	TRANSISTOR;KSC2331-Y(TAPG)	
4 Q201	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q202	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q203	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q204	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q601	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q901	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q902	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q903	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q904	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q905	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q906	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q907	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q908	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 Q911	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
⚠ 4 QR02S	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
4 DZ805	1203-001217	IC-POST,ADJUSTREG;431,T0-92,3P,4.58MIL,P	
4 IC904	1203-001943	IC-VOL.DETECTOR;7025,T0-92,3P,PLASTIC	
⚠ 4 VP801S	1405-000152	VARISTOR;560V,2500A,14X8.5MM,T	
⚠ 4 VX801S	1405-000152	VARISTOR;560V,2500A,14X8.5MM,T	
4 R223	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,	
4 R248	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,	
4 R249	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,	
4 R250	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,	
4 R934	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,	
4 R916	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1	
4 R918	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,	
4 R303	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP	
4 R412	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,T	
4 R809	2001-000022	R-CARBON(S);33OHM,5%,1/2W,AA,T	
4 R411	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AB,	
4 R422	2001-000037	R-CARBON(S);330OHM,5%,1/2W,AA,	
4 R825	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,	
4 R228	2001-000117	R-CARBON(S);68ohm,5%,1/2W,AA,TP,2.4x6.4m	
4 R207	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
4 R213	2001-000232	R-CARBON;1.3KOHM,5%,1/8W,AA,TP	
4 R822	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP	
4 J904	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R102	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R103	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R203	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R204	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	

Loc. No.	Code No.	Description ; Specification	Remark
4 R231	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R232	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R604	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R605	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R612	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R613	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R627	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R628	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R723	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R907	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R909	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R925	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R940	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R941	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R942	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R947	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
4 R202	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R205	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R206	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R211	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R243	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R245	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R246	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R309	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R310	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R601	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R602	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R606	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R609	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R620	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R629	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R715	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R716	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R935	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R952	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
⚠ 4 RR07S	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
⚠ 4 RR10S	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
4 R208	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,	
4 R214	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,	
4 R209	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R216	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R234	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R235	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R252	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R603	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R607	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R608	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R817	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R902	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R910	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R911	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R912	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R914	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R924	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R929	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R930	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R936	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
⚠ 4 RR08S	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R236	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
4 R237	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
4 R238	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
4 R247	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
4 R932	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
4 R943	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
4 R215	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,	
4 R823	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,	
4 R915	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1	
4 R949	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,	
4 R105	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,	
4 R251	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
4 R833	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
4 R901	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
4 R903	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
4 R904	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
4 R905	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
4 R921	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
4 R927	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	

Loc. No.	Code No.	Description ; Specification	Remark
4 R928	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
4 R937	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
4 R938	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
⚠ 4 RR02S	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,	
4 R224	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R225	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R226	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R614	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R615	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R616	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R617	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R812	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R831	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R919	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R920	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R931	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R933	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
⚠ 4 RR09S	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R816	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R244	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,	
4 R210	2001-000812	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R106	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R824	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R917	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP	
⚠ 4 RR04S	2001-000908	R-CARBON ;62Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R923	2001-000924	R-CARBON;680ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R241	2001-000938	R-CARBON ;68ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R709	2001-000938	R-CARBON ;68ohm,5%,1/8W,AA,TP,1.8x3.2mm	
4 R913	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP	
4 C251	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1	
4 C253	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1	
4 R242	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1	
4 R704	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1	
4 R705	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1	
4 R719	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1	
4 R720	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1	
⚠ 4 RR06S	2001-000977	R-CARBON;8.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
4 L905	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,	
⚠ 4 L401	2001-001038	R-CARBON(S);0.56OHM,5%,1/2W,AA,TP,2.4X6.	
4 R404	2001-001038	R-CARBON(S);0.56OHM,5%,1/2W,AA,TP,2.4X6.	
4 R808	2001-001079	R-CARBON(S);15OHM,5%,1/2W,AB,T	
4 R418	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
⚠ 4 RR430S	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
4 R421	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
4 R820	2001-001096	R-CARBON(S);2.2OHM,5%,1/2W,AA,	
4 R818	2001-001113	R-CARBON(S);270KOHM,5%,1/2W,AA	
4 R432	2001-001122	R-CARBON/METALFILM;RD1/2T3.9K-	
4 R429	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,	
4 R805	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA	
4 R806	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA	
4 R813	2001-001153	R-CARBON(S);47OHM,5%,1/2W,AA,T	
4 R832	2001-001153	R-CARBON(S);47OHM,5%,1/2W,AA,T	
4 R423	2001-001155	R-CARBON(S);5.6Kohm,5%,1/2W,AA,TP,2.4x6.	
4 R810	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,	
4 R428	2001-001184	R-CARBON(S);750KOHM,5%,1/2W,AB	
⚠ 4 RP802S	2002-001010	R-COMPOSITION;1.8MOHM,5%,1/2W,AA,TP,3.7X	
⚠ 4 RY802S	2002-001013	R-COMPOSITION;4.7MOhm,5%,1/2W,AA,TP,3.7X	
4 R426	2003-000540	R-METALOXIDE(S);1KOHM,5%,2W,AD	
4 R401	2003-000586	R-METALOXIDE(S);22KOHM,5%,2W,A	
4 R402	2003-000586	R-METALOXIDE(S);22KOHM,5%,2W,A	
4 R233	2003-000592	R-METALOXIDE(S);22OHM,5%,2W,AD	
4 R434	2003-000664	R-METAL OXIDE(S);330HM,5%,2W,AF,TP,4X12M	
4 R802	2003-001025	R-METALOXIDE(S);15KOHM,5%,2W,A	
4 R803	2003-001025	R-METALOXIDE(S);15KOHM,5%,2W,A	
4 R804	2003-001025	R-METALOXIDE(S);15KOHM,5%,2W,A	
4 R433	2003-001042	R-METALOXIDE(S);5.6KOHM,5%,2W,AF,TP,3.9X	
4 R403	2003-001091	R-METALOXIDE;RS2RT(S)100-J10R	
4 R436	2003-002008	R-METAL OXIDE(S);18KOHM,5%,2W,AF,TP,3.9X	
4 R409	2003-002009	R-METALOXIDE(S);390OHM,5%,2W,A	
4 R410	2003-002009	R-METALOXIDE(S);390OHM,5%,2W,A	
4 R305	2003-002157	R-METAL OXIDE;220OHM,5%,2W,AG,TP,6X16MM	
4 R306	2003-002157	R-METAL OXIDE;220OHM,5%,2W,AG,TP,6X16MM	
4 R835	2003-002211	R-METALOXIDE(S)91Kohm,5%,2W,AG,TP,3x	
4 R836	2003-002211	R-METALOXIDE(S)91Kohm,5%,2W,AG,TP,3x	
4 R212	2004-000218	R-METAL;10KOHM,1%,1/8,1.8X3.2M	
⚠ 4 RR05S	2004-000531	R-METAL;20Kohm,1%,1/2W,AA,TP,3.3x9mm	
4 R313	2004-001137	R-METAL;6.8KOHM,1%,1/8W,AA,TP,1.8*3.2M	
4 R417	2004-001382	R-METAL(S);13KOHM,1%,1/2W,AA,TP,2.4X6.4M	
4 R301	2004-001397	R-METAL(S);4.7KOHM,1%,1/2W,AA,	
4 R420	2004-001402	R-METAL(S);6.8KOHM,1%,1/2W,AA,	
4 R811	2004-001408	R-METAL(S);91KOHM,1%,1/2W,AA,T	
4 R821	2004-001891	R-METAL(S);133KOHM,1%,1/2W,AA,	
⚠ 4 RR03S	2004-001897	R-METAL(S);43.2KOHM,1%,1/2W,AA	
4 R819	2004-001983	R-METAL;2.49KOHM,1%,1/2W,AA,TP,2.4X6.4	
4 R302	2004-001984	R-METAL;26.7KOHM,1%,1/2W,AA,TP	
4 R314	2004-001986	R-METAL;35.7KOHM,1%,1/2W,AA,TP	
4 R415	2004-004048	R-METAL(S);3.9Kohm,1%,1/2W,AA,TP,2.5x6.5	
4 R315	2004-004970	R-METAL(S);62Kohm,1%,1/8W,AA,TP,1.8x3.2m	
4 R405	2008-000253	R-FUSIBLE(S);0.47OHM,5%,1W,AF,	
4 R414	2008-000253	R-FUSIBLE(S);0.47OHM,5%,1W,AF,	
4 R304	2008-000254	R-FUSIBLE(S);0.68OHM,5%,2W,AF,	
⚠ 4 RR01S	2008-000264	R-FUSIBLE(S);1OHM,5%,1W,AF,TP,	
4 R828	2008-000266	R-FUSIBLE(S);1OHM,5%,2W,AF,TP,	
4 R827	2008-000284	R-FUSIBLE(S);0.1OHM,10%,2W,AF,TP,3.9X10M	
4 R413	2008-001018	R-FUSIBLE(S);0.47OHM,10%,2W,AF	
4 R424	2008-001018	R-FUSIBLE(S);0.47OHM,10%,2W,AF	
4 R425	2008-001018	R-FUSIBLE(S);0.47OHM,10%,2W,AF	
4 R829	2008-001029	R-FUSIBLE(S);5.6OHM,5%,2W,AF,T	
4 C424	2201-000132	C-CERAMIC,DISC;100PF,10%,500V,Y5P,6X3MM,	
4 C656	2201-000304	C-CERAMIC,DISC0.001nF,0.25pF,50V,NP0,TP	
4 C657	2201-000304	C-CERAMIC,DISC0.001nF,0.25pF,50V,NP0,TP	
4 C804	2201-000332	C-CERAMIC,AC;CK45PTAPGE250V222	
4 C805	2201-000332	C-CERAMIC,AC;CK45PTAPGE250V222	
4 C828	2201-000374	C-CERAMIC,DISC;220pF,5%,50V,CH,TP,12.5x3	
4 C814	2201-000406	C-CERAMIC,HIC;CK45(T)B2KV271-K	
4 C401	2201-000556	C-CERAMIC,DISC;470PF,10%,500V,	
4 C403	2201-000556	C-CERAMIC,DISC;470PF,10%,500V,	
4 C421	2201-000556	C-CERAMIC,DISC;470PF,10%,500V,	
⚠ 4 CR01S	2201-000556	C-CERAMIC,DISC;470PF,10%,500V,	
4 C601	2201-000558	C-CERAMIC,DISC;470PF,10%,50V,Y	
4 C419	2201-000599	C-CERAMIC,DISC;560PF,10%,500V,	
4 C817	2201-000599	C-CERAMIC,DISC;560PF,10%,500V,	
4 C819	2201-000599	C-CERAMIC,DISC;560PF,10%,500V,	
4 C822	2201-000599	C-CERAMIC,DISC;560PF,10%,500V,	
4 C654	2201-000611	C-CERAMIC,DISC;56PF,5%,50V,NPO	
4 C910	2201-000980	C-CERAMIC,DISC;30PF,5%,50V,NPO,5.0X3.0,5	
4 C911	2201-000980	C-CERAMIC,DISC;30PF,5%,50V,NPO,5.0X3.0,5	
4 C224	2201-002031	C-CERAMIC,DISC;5pF,0.25pF,50V,NPO,TP,5x3	
4 C225	2201-002031	C-CERAMIC,DISC;5pF,0.25pF,50V,NPO,TP,5x3	
4 C303	2201-002103	C-CERAMIC,DISC;0.015nF,5%,500V,NP0,TP,6.	
4 C115	2202-000121	C-CERAMIC,MLC-AXIAL;100PF,10%,	
4 C116	2202-000121	C-CERAMIC,MLC-AXIAL;100PF,10%,	
4 C244	2202-000121	C-CERAMIC,MLC-AXIAL;100PF,10%,	
4 C245	2202-000121	C-CERAMIC,MLC-AXIAL;100PF,10%,	
4 C113	2202-000127	C-CERAMIC,MLC-AXIAL;10NF,+80-2	
4 C246	2202-000210	C-CERAMIC,MLC-AXIAL;270pF,10%,50V,Y5P,TP	
4 C248	2202-000210	C-CERAMIC,MLC-AXIAL;270pF,10%,50V,Y5P,TP	
4 C627	2202-000231	C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4 C629	2202-000231	C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4 C638	2202-000231	C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4 C639	2202-000231	C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4 C642	2202-000231	C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4 C644	2202-000231	C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4 C701	2202-000231	C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4 C709	2202-000243	C-CERAMIC,MLC-AXIAL;33PF,5%,50	
4 C710	2202-000243	C-CERAMIC,MLC-AXIAL;33PF,5%,50	
4 C711	2202-000243	C-CERAMIC,MLC-AXIAL;33PF,5%,50	
4 C647	2202-000286	C-CERAMIC,MLC-AXIAL;56PF,5%,50	
4 C903	2202-000719	C-CERAMIC,MLC-AXIAL;6.8nF,20%,16V,Y5R,TP	
4 C211	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50	
4 C607	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50	
4 C608	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50	
4 C905	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50	
4 C632	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
4 C247	2202-000849	C-CERAMIC,MLC-AXIAL;18pF,5%,50V,CH,TP,3.	
4 C908	2202-000863	C-CERAMIC;CKOAX7R50VT561-KUP050561	
4 C218	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
4 C219	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
4 C220	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
4 C252	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
4 C254	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
4 C901	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
4 C919	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
4 C921	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	

Loc. No.	Code No.	Description ; Specification	Remark
4 C922	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
4 C649	2301-000108	C-FILM,PEF;1.5NF,5%,50V,6.5X3.0X5.5MM,5M	
4 C821	2301-000192	C-FILM,PEF;1NF,5%,50V,5.3X10MM	
4 C902	2301-000192	C-FILM,PEF;1NF,5%,50V,5.3X10MM	
4 C212	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
4 C416	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
4 C411	2301-000232	C-FILM,PEF;3.3NF,5%,50V,8.1X4.	
4 C213	2301-000310	C-FILM,PEF;68NF,5%,50V,8.0X8.5	
4 C412	2301-000313	C-FILM,PEF;8.2NF,5%,100V,7X3.2	
4 C306	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
4 C228	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
4 C230	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
4 C809	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
4 C810	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
4 C811	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
4 C101	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
4 C103	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
4 C105	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
4 C909	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
4 C415	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
4 C610	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
4 C611	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
4 C420	2301-001065	C-FILM,MPPF;47NF,55,630V,TP,19	
4 C425	2301-001259	C-FILM,MPPF;100nF,5%,400V,TP,19x8x16,7.5	
4 C409	2301-001268	C-FILM,PPF;33nF,5%,630V,TP,20x11x17,7.5	
4 C807	2301-001397	C-FILM,PPF;2.2nF,5%,1.2kV,TP,15x8.5x13.5	
4 C305	2305-000149	C-FILM;CF922N100VT104-J-40/105	
4 C304	2305-000285	C-FILM,MPEF;220NF,5%,100V,-,5M	
4 C408	2305-000382	C-FILM,MPEF;4.7NF,5%,400V,TP,-,5MM.	
4 C233	2305-000411	C-FILM,MPEF;470NF,5%,50V,7.3X4	
4 C234	2305-000411	C-FILM,MPEF;470NF,5%,50V,7.3X4	
4 C235	2305-000411	C-FILM,MPEF;470NF,5%,50V,7.3X4	
4 C236	2305-000411	C-FILM,MPEF;470NF,5%,50V,7.3X4	
4 C308	2305-000411	C-FILM,MPEF;470NF,5%,50V,7.3X4	
4 C907	2305-000411	C-FILM,MPEF;470NF,5%,50V,7.3X4	
⚠ 4 CR04S	2305-000412	C-FILM,MPEF;470NF,5%,63V,-,5MM	
4 C206	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C214	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C216	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C240	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C605	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C620	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C635	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C646	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C825	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C829	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C831	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C837	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C839	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C914	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C916	2305-000665	C-FILM;104J, 60V,5MM TAPING	
4 C637	2401-000027	C-AL;4.7UF,20%,50V,GP,5*11MM,5MEA	
4 C640	2401-000027	C-AL;4.7UF,20%,50V,GP,5*11MM,5MEA	
4 C641	2401-000027	C-AL;4.7UF,20%,50V,GP,5*11MM,5MEA	
4 C643	2401-000027	C-AL;4.7UF,20%,50V,GP,5*11MM,5MEA	
4 C912	2401-000027	C-AL;4.7UF,20%,50V,GP,5*11MM,5MEA	
4 C816	2401-000262	C-AL;100UF,20%,160V,GP,16X25MM,5MM,	
4 C210	2401-000287	C-AL;100UF,20%,16V,WT,6X11MM,5	
4 C826	2401-000287	C-AL;100UF,20%,16V,WT,6X11MM,5	
4 C302	2401-000360	C-AL;100UF,20%,50V,GP,8X11MM,5	
4 C307	2401-000360	C-AL;100UF,20%,50V,GP,8X11MM,5	
4 C413	2401-000493	C-AL;10UF,20%,50V,WT,5X11MM,5M	
4 C617	2401-000493	C-AL;10UF,20%,50V,WT,5X11MM,5M	
4 C917	2401-000493	C-AL;10UF,20%,50V,WT,5X11MM,5M	
4 C201	2401-000603	C-AL;1UF,20%,50V,GP,5X11MM,5MM	
4 C301	2401-000603	C-AL;1UF,20%,50V,GP,5X11MM,5MM	
4 C604	2401-000603	C-AL;1UF,20%,50V,GP,5X11MM,5MM	
4 C106	2401-000611	C-AL;1UF,20%,50V,WT,5X11MM,5MM	
4 C841	2401-000611	C-AL;1UF,20%,50V,WT,5X11MM,5MM	
4 C818	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
4 C237	2401-000914	C-AL;22UF,20%,16V,GP,5X11,5,TP	
4 C208	2401-001026	C-AL;3.3UF,20%,50V,GP,5X11MM,5	
4 C217	2401-001026	C-AL;3.3UF,20%,50V,GP,5X11MM,5	
4 C636	2401-001026	C-AL;3.3UF,20%,50V,GP,5X11MM,5	
4 C402	2401-001397	C-AL;470UF,20%,25V,GP,10X16MM,	
4 C404	2401-001397	C-AL;470UF,20%,25V,GP,10X16MM,	
4 C102	2401-001513	C-AL;47UF,20%,16V,WT,5X11MM,5M	

Loc. No.	Code No.	Description ; Specification	Remark
4 C422	2401-001527	C-AL;47UF,20%,250V,HR,13X25MM,	
4 C634	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
4 C832	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
4 C838	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
4 C913	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
4 C915	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
4 C918	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
4 C209	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
4 C612	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
4 C613	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
4 C626	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
4 C628	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
4 C827	2401-002212	C-AL;10UF,20%,25V,WT,TP,5X11,5	
4 C840	2401-002212	C-AL;10UF,20%,25V,WT,TP,5X11,5	
4 C202	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C205	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C207	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C215	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C231	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C239	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C603	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C630	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C631	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C645	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C652	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C920	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
⚠ 4 CR02S	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
⚠ 4 CR03S	2401-002235	C-ELECTROLYTIC;CE04W(T)16V10M	
4 C427	2401-002267	C-AL;2.2UF,20%,250V,GP,8X12MM,	
4 C835	2401-002289	C-ELEC;CE04-40/+10535VT471-MW1	
4 C621	2401-002458	C-AL;1000UF,20%,35V,GP,16X25MM	
4 C414	2401-002597	C-AL;220uF,20%,35V,GP,TP,10x12.5,5	
4 C418	2401-002597	C-AL;220uF,20%,35V,GP,TP,10x12.5,5	
4 C229	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
4 C833	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
4 C808	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
4 C823	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
4 C824	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
4 C104	2401-003578	C-AL;1000uF,20%,10V,GP,TP,8x20mm,5	
4 CW901	2503-000156	C-NETWORK;100pFx4,20&,50V	
4 J401	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4 L108	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4 L109	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4 L202	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4 L301	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4 L406	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4 L907	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4 L101	2701-000115	INDUCTOR-AXIAL;10UH,10%,2.8X7M	
4 L103	2701-000115	INDUCTOR-AXIAL;10UH,10%,2.8X7M	
4 L712	2701-000142	INDUCTOR-AXIAL;1UH,10%,2.5X3.4	
4 L713	2701-000142	INDUCTOR-AXIAL;1UH,10%,2.5X3.4	
4 L714	2701-000142	INDUCTOR-AXIAL;1UH,10%,2.5X3.4	
4 L208	2701-000146	INDUCTOR-AXIAL;2.2UH,10%,2.5X3.4MM	
4 L102	2701-000159	INDUCTORAXIAL;22uH,10%,4.2x9.8mm	
4 L209	2701-000168	INDUCTORAXIAL;3.3uH,5%,2.5x3.4mm	
4 L210	2701-000168	INDUCTORAXIAL;3.3uH,5%,2.5x3.4mm	
4 L604	2701-000169	INDUCTORAXIAL;3.9uH,10%,2.5x3.4mm	
4 L605	2701-000177	INDUCTOR-AXIAL;33UH,10%,2.5X3.4MM	
4 L606	2701-000177	INDUCTOR-AXIAL;33UH,10%,2.5X3.4MM	
4 L607	2701-000177	INDUCTOR-AXIAL;33UH,10%,2.5X3.4MM	
4 L608	2701-000177	INDUCTOR-AXIAL;33UH,10%,2.5X3.4MM	
4 L705	2701-000177	INDUCTOR-AXIAL;33UH,10%,2.5X3.4MM	
4 L706	2701-000177	INDUCTOR-AXIAL;33UH,10%,2.5X3.4MM	
4 J919	2701-000183	INDUCTOR-AXIAL;39uH,5%,2.4x3.4mm	
4 L204	2701-000184	INDUCTOR-AXIAL;4.7UH,10%,2.5X3.4MM	
4 L902	2701-000184	INDUCTOR-AXIAL;4.7UH,10%,2.5X3.4MM	
4 L908	2701-000191	INDUCTOR-AXIAL;47UH,10%,2.5X3.4MM	
4 L909	2701-000191	INDUCTOR-AXIAL;47UH,10%,2.5X3.4MM	
4 L203	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
4 L601	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
4 L609	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
4 L901	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
4 L903	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
4 L904	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
4 L216	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
4 X201	2801-003432	CRYSTAL-UNIT;20.25MHZ,30PPM,28-AAM,13P	
4 X901	2801-003728	CRYSTAL-UNIT;6MHz,30ppm,28AAM,20pf,40oh	

Loc. No.	Code No.	Description ; Specification	Remark
4 X601	2801-003903	CRYSTAL-UNIT18.432MHz,25ppm,28AAM,12	
4 L407	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 L807	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 R950	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 R951	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
4 J412	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 J901	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 L207	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 L302	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 L303	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 L410	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 L802	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 L803	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 L804	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 L809	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4 L801	3301-001223	CORE-FERRITE BEAD;AB,-,3.5X5X0.8MM,-,TP,	
4 L806	3301-001223	CORE-FERRITE BEAD;AB,-,3.5X5X0.8MM,-,TP,	
4 SW901	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
4 SW902	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
4 SW903	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
4 SW904	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
4 SW905	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
⚠ 4 FA802S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
⚠ 4 FA803S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
4 F801A	3602-000114	FUSE-HOLDER;-,-,30MOHM	
4 F801B	3602-000114	FUSE-HOLDER;-,-,30MOHM	
4 D908	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
⚠ 4 DR02S	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J102	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J103	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J105	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J108	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J109	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J110	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J111	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J112	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J113	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J114	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J115	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J116	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J117	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J118	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J119	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J121	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J122	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J124	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J126	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J203	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J205	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J206	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J207	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J208	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J209	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J210	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J211	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J212	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J213	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J214	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J216	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J217	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J218	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J219	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J220	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J222	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J223	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J224	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J225	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J226	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J227	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J228	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J229	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J230	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J232	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J234	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J235	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J236	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J237	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	

Loc. No.	Code No.	Description ; Specification	Remark
4 J238	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J239	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J241	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J242	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J246	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J247	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J248	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J249	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J251	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J252	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J253	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J402	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J404	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J405	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J406	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J407	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J408	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J409	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J411	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J414	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J416	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J418	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J419	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J421	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J422	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J424	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J425	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J428	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J601	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J602	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J603	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J604	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J605	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J606	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J607	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J608	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J609	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J611	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J612	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J614	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J615	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J616	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J617	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J618	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J619	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J620	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J621	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J622	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J630	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J624	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J626	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J627	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J629	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J632	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J633	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J703	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J704	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J705	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J707	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J708	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J714	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J715	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J716	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J717	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J801	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J802	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J803	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J804	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J805	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J806	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J807	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J810	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J811	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J816	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J818	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J819	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J820	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	

Loc. No.	Code No.	Description ; Specification	Remark
4 J821	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J822	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J823	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J824	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J825	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J826	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J829	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J830	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J831	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J832	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J833	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J835	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J902	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J906	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J907	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J908	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J909	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J911	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J912	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J913	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J915	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J916	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J917	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J918	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J920	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J921	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J923	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J924	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J925	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J926	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J927	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J928	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J931	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J932	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J933	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J934	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J935	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J936	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J937	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J939	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J940	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J941	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J942	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J943	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J944	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J945	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J946	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
⚠ 4 JR01S	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
⚠ 4 JR03S	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 L107	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 L213	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 L214	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 L412	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 L610	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 L215	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 R427	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 R926	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 R939	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
⚠ 4 RY801S	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 J710	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4 HIC201	AA13-00093A	IC HYBRID;-,DRGB001A,SIP,5P,-,TP	
4 HIC202	AA13-00093A	IC HYBRID;-,DRGB001A,SIP,5P,-,TP	
4 HIC203	AA13-00093A	IC HYBRID;-,DRGB001A,SIP,5P,-,TP	
4 HIC204	AA13-00093A	IC HYBRID;-,DRGB001A,SIP,5P,-,TP	
4 06VER	AA41-00168G	PCB-MAIN;CS29A6,FR-1,1L,G,1.6T,330X245,	
4 EY301	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY302	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY303	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY304	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY403	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY404	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY405	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY406	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY407	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY408	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY409	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY410	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	

Loc. No.	Code No.	Description ; Specification	Remark
4 EY411	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY412	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY413	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY414	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY415	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY416	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY417	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY418	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY419	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY420	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY421	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY422	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY423	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY425	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY427	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY428	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY429	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY430	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY431	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY432	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY433	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY434	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY435	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY436	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY437	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY438	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY439	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY440	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY441	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY442	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY443	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY446	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY447	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY601	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY602	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY603	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY604	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY701	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY702	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY805	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY806	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY809	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY810	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY811	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY812	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY813	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY814	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY815	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY817	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY819	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY820	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY822	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY823	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY824	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY825	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY826	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY827	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY828	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY830	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY831	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY832	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY833	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY834	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY835	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY836	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY837	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY838	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY839	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY840	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY841	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY842	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY844	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY845	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY846	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY847	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY848	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY849	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	

Loc. No.	Code No.	Description ; Specification	Remark
4 EY850	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY851	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY853	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY854	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY855	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY856	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY857	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY858	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY859	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY860	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EY861	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
4 EL401	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL402	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL404	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL405	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL406	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL802	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL803	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL805	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL806	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL807	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL808	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL809	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL810	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 EL811	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
4 GT101	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT102	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT103	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT104	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT301	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT302	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT401	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT402	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT409	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT410	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT411	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT412	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT801	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT802	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT803	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT804	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT805	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 GT806	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
4 L/LINE	AA68-01544A	LABEL;LINE,ALL MDL COMMON	
4 R621	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP	
4 R622	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP	
4 R908	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
4 R906	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
4 C410	2301-000213	C-FILM,PEF;220NF,5%,250V,21.5X	
3	0204-000442	SOLVENT;CH3-CH5H-CH396%IM-1000	
3	0202-000008	SOLDER-WIRE;S63S-D3.0,S63A,D3,63/37	
3	0204-001024	FLUX;DF-96TVS,-,20%,-	
3	0202-000187	SOLDER-WIREFLUX;-,RS60S,D1.2,6	
3 SH+CW	AA65-30105B	CLAMP-WIRE;NYLON 66,V2,NTR,25MM,ALL MODE	
3 SH+H/S	AA61-00462B	SUPPORT-HEAT-SINK;21A9,ABS,HB,GRAY	
2 A/CRT	AA95-01158A	ASSY PCB CRT;KS3A,29FLAT,PAL	
3 DF01	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
3 DF04	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
3 DG01	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
3 D502	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
3 D507	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
3 D508	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
3 D509	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
3 D510	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
3 D511	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
3 D512	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
3 DF02	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
3 DF03	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
3 DZF01	0403-001039	DIODE ZENER;MA2560,56V,52-60V,1W,DO-41,T	
3 DZF02	0403-001039	DIODE ZENER;MA2560,56V,52-60V,1W,DO-41,T	
3 DZ503	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
3 RWK/CR	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
3 DZ504	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
3 DZ505	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
3 DZG501	0403-001328	DIODE-ZENER;MTZJ22A,20.15-21.20V,500mW,D	
3 Q502	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM	
3 Q503	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM	
3 Q504	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM	
3 QG01	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM	
3 QF03	0501-000369	TRANSISTOR;KSC2331-Y(TAPG)	
3 QF01	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
3 QF02	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
3 QG02	0502-000244	TR-POWER;KSA940,PNP,-150V,-150	
3 QG03	0502-001007	TR-POWER;KSC2073-H2,NPN,150V,1	
3 ICG01	1201-000191	IC;MC4558C	
3 R503	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA	
3 R508	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA	
3 R513	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA	
3 RF09	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
3 RF12	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
3 RF10	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP	
3 RF11	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP	
3 RF08	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,	
3 RF03	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,	
3 R542	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
3 R543	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
3 R544	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
3 R546	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
3 R522	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
3 RF04	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
3 R504	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
3 R509	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
3 R539	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
3 R521	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,	
3 RF05	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,	
3 RF02	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
3 RF07	2001-000904	R-CARBON;620OHM,5%,1/8W,AA,TP,1.8X3.2MM	
3 RF06	2001-000989	R-CARBON ;820Kohm,5%,1/8W,AA,TP,1.8x3.2m	
3 R517	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,	
3 RF14	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA,	
3 R501	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
3 R506	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
3 R511	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
3 R502	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
3 R507	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
3 R512	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
3 RF15	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,	
3 RF17	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,	
3 RG06	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,	
3 RG07	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,	
3 RG05	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,	
3 RG08	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,	
3 RF13	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA,	
3 RF16	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA,	
3 R519	2002-001009	R-COMPOSITION;2.7KOHM,10%,1/2W,AA,TP,3.7	
3 R505	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
3 R510	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
3 R515	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
3 RF18	2003-000458	R-METALOXIDE(S);100OHM,5%,2W,A	
3 RF23	2003-000746	R-METALOXIDE(S);56OHM,5%,2W,AD	
3 RF24	2003-000746	R-METALOXIDE(S);56OHM,5%,2W,AD	
3 RF19	2003-001023	R-METALOXIDE(S);120OHM,5%,2W,A	
3 RF25	2003-002009	R-METALOXIDE(S);390OHM,5%,2W,A	
3 R518	2003-002171	R-METAL OXIDE(S);150ohm,5%,2W,AG,TP,3.9x	
3 RF20	2003-002214	R-METALOXIDE(S);680ohm,5%,2W,AG,TP,3x19	
3 RF21	2003-002214	R-METALOXIDE(S);680ohm,5%,2W,AG,TP,3x19	
3 RF22	2003-002214	R-METALOXIDE(S);680ohm,5%,2W,AG,TP,3x19	
3 R527	2004-000433	R-METAL;1KOHM,1%,1/8W,AA,TP,1.	
3 R526	2004-000500	R-METAL;2.7Kohm,1%,1/8W,AA,TP,1.8x3.2m	
3 RG01	2004-001397	R-METAL(S);4.7KOHM,1%,1/2W,AA,	
3 RG03	2004-001987	R-METAL;4.3KOHM,1%,1/2W,AA,TP,	
3 RG02	2004-002022	R-METAL,FILM;RM1/2T51K-F	
3 RG04	2004-002022	R-METAL,FILM;RM1/2T51K-F	
3 R523	2008-000267	R-FUSIBLE(S);2.4OHM,5%,2W,AA,TP,3.9X10	
3 CF01	2201-000180	C-CERAMIC,DISC;10NF,10%,50V,Y5V,TP,6.5*3	
3 C501	2201-000247	C-CERAMIC,DISC;15PF,5%,50V,CH,	
3 C507	2201-000247	C-CERAMIC,DISC;15PF,5%,50V,CH,	
3 CF03	2201-000376	C-CERAMIC,DISC;220PF,5%,50V,SL,4X4MM,5MM	
3 CF06	2201-000516	C-CERAMIC,DISC;4.7NF,+100-0%,5	
3 CF08	2201-000604	C-CERAMIC,DISC;56PF,+100-0%,50	
3 CF04	2201-000653	C-CERAMIC,DISC;68PF,5%,50V,SL,4.0X3.5MM,	
3 C513	2201-000723	C-CERAMIC,DISC;4.7nF,20%,3KV,Y5U,TP,16x5	
3 C503	2201-002108	C-CERAMIC,DISC;1.5nF,10%,500V,B,TP,8.5x3	
3 C506	2201-002108	C-CERAMIC,DISC;1.5nF,10%,500V,B,TP,8.5x3	

Loc. No.	Code No.	Description ; Specification	Remark
3 C509	2201-002108	C-CERAMIC,DISC;1.5nF,10%,500V,B,TP,8.5x3	
3 C516	2301-000192	C-FILM,PEF;1NF,5%,50V,5.3X10MM	
3 CF02	2301-000192	C-FILM,PEF;1NF,5%,50V,5.3X10MM	
3 C518	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
3 C519	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
3 C520	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
3 C521	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
3 C522	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
3 C523	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
3 CF05	2301-000261	C-FILM,PEF;4.7NF,5%,100V,10.5X	
3 CG02	2305-000149	C-FILM;CF922N100VT104-J-40/105	
3 C502	2305-000704	C-M,POLYESTER;CFS922MTAPG250V1	
3 C505	2305-000704	C-M,POLYESTER;CFS922MTAPG250V1	
3 C508	2305-000704	C-M,POLYESTER;CFS922MTAPG250V1	
3 CF07	2305-000704	C-M,POLYESTER;CFS922MTAPG250V1	
3 C514	2401-000430	C-ELECTROLYTIC;CE04WTAPG250V10	
3 CG03	2401-000493	C-AL;10UF,20%,50V,WT,5X11MM,5M	
3 CF14	2401-000832	C-AL;220UF,20%,25V,GP,8X11MM,5	
3 CG01	2401-000832	C-AL;220UF,20%,25V,GP,8X11MM,5	
3 CG04	2401-000832	C-AL;220UF,20%,25V,GP,8X11MM,5	
3 C512	2401-000914	C-AL;22UF,20%,16V,GP,5X11,5,TP	
3 C515	2401-000914	C-AL;22UF,20%,16V,GP,5X11,5,TP	
3 C526	2401-000914	C-AL;22UF,20%,16V,GP,5X11,5,TP	
3 CF11	2401-000927	C-AL;22UF,20%,250V,GP,13X20MM,	
3 C511	2401-001232	C-AL;4.7UF,20%,250V,GP,10X12.5	
3 C510	2401-001563	C-AL;47uF,20%,400V,GP,TP,16x25mm,7.5	
3 CF10	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
3 CF12	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
3 LF02	2701-000112	INDUCTOR-AXIAL;100UH,10%,2.8X7	
3 L501	2701-000178	INDUCTOR-AXIAL;33UH,10%,2.8X7MM	
3 L507	2701-000215	INDUCTOR-AXIAL;8.2UH,10%,2.5X3.4MM	
3 L503	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
3 L504	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
3 LF04	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
3 LF05	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
3 L505	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
3 L506	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
3 LF01	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
3 VA999	3704-000114	SOCKET CRT;14P,29.1,35.5SN,1SH09S/BK	
3 CN501A	3711-002641	POST-HEADER;67094-010(AUTO)	
3 CNF01	3711-002642	POST-HEADER;67094-003(AUTO)	
3 CNG01	3711-002643	POST-HEADER;YW025-04(AUTO)	
3 CN502A	3711-002646	POST-HEADER;67094-007(AUTO)	
3 JA501	3722-001503	JACK-PIN;1P,1PI,NI,RED,SCR-JACK	
3 J501	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J503	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J505	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J506	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J507	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J508	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J509	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J510	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J511	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J512	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J513	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J514	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J515	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J516	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J517	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J518	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J519	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J520	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J521	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J523	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J524	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J526	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J527	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J528	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J529	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J530	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 J531	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 JF01	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 JF02	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 JF03	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 JF04	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 JF05	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 JF06	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	

Loc. No.	Code No.	Description ; Specification	Remark
3 JF07	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 JG01	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 SG501	AA27-00084A	COIL;S-23,S-23,5000Mohm MIN,8.0*8.5mm,30	
3 SG502	AA27-00084A	COIL;S-23,S-23,5000Mohm MIN,8.0*8.5mm,30	
3 SG503	AA27-00084A	COIL;S-23,S-23,5000Mohm MIN,8.0*8.5mm,30	
3 SG504	AA27-00084A	COIL;S-23,S-23,5000Mohm MIN,8.0*8.5mm,30	
3 SG505	AA27-00084A	COIL;S-23,S-23,5000Mohm MIN,8.0*8.5mm,30	
3 CN501E	AA39-00225A	LEAD CONNECTOR ASSY;,10P,67096-010,S,600	
3 GT507	AA39-20010B	LEAD-CONNECTOR,ASSY;-,YFH800-01,500MM,1P	
3 GT508	AA39-20010B	LEAD-CONNECTOR,ASSY;-,YFH800-01,500MM,1P	
3 CN502E	AA39-20029K	LEAD-CONNECTOR,ASSY;-,67096-007,S,7P,400	
3 03VER	AA41-00210D	PCB-CRT;CS29A6,FR-1,1L,D,1.6T,330x245,	
3 EY501	AA60-40011A	EYELET;-,ID2.0,OD2.8,-,-,BST	
3 EL82	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL83	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL84	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL85	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL86	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL87	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL88	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL89	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL90	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL91	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL92	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 EL94	AA60-40011B	EYELET;-,ID2.2,OD3.2,-,-,BSP	
3 GT504	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
3 GT505	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
3 GT507	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
3 GT508	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
3 BAND	AA63-10002A	BAND-TIE;-,NYLON66V2,-,-,L100,NTR,-,-	
3 QF04	AA96-00111A	ASSY-H/S;-,-,AA62-30013L,2SC2344,-	
4	0502-000153	TR-POWER;2SC2344-D,NPN,180V,16	
4	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
4	AA62-30013L	HEAT-SINK,ES;-A6063 EXTR,42/22,WHT	
3 QF05	AA96-00111B	ASSY-H/S;-,-,AA62-30013L,2SA1011,-	
4	0502-000131	TR-POWER;2SA1011-D,PNP,-180V,-	
4	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
4	AA62-30013L	HEAT-SINK,ES;-A6063 EXTR,42/22,WHT	
3 IC501	AA96-50151A	ASSY-H/S;-,TR,AA61-10060A,TDA6101Q,-	
3 IC502	AA96-50151A	ASSY-H/S;-,TR,AA61-10060A,TDA6101Q,-	
3 IC503	AA96-50151A	ASSY-H/S;-,TR,AA61-10060A,TDA6101Q,-	
4	1201-000539	IC-VIDEOAMP;6101,ZIP,9P,-,SING	
4	6001-000057	SCREW-MACHINE;RH,+,M3,L6,ZPC(BLK),SWRCH1	
4	6021-000154	NUT-HEXAGON;2C,M3,ZPC(YEL),SM20C	
4	AA61-10060A	BRACKET-TR;-,PBP-1,-,T0.5,-,-,3220	
2 F+SH	AA63-00362A	FELT;W25XL8,T2.0,FELT,BLK.	

ASSY-COVER;REAR

1 A/REAR	AA90-03281A	ASSY-COVER;REAR;KS3A,29K7,HIPS,VO,BLK,US	
2 CB+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
2 TER+RC	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
2 SBS	AA60-00091J	SPACER-FELT;-,FELT,330X10,-,-,BLK,T0.5,-	
2 SBT	AA60-00091J	SPACER-FELT;-,FELT,330X10,-,-,BLK,T0.5,-	
2 B/C	AA64-02543A	CABINET-BACK,29K7,HIPS,VO,BLK	
2 AC+BC	AA65-30008A	CLAMP-CORD;-,PE,HB,BLK,-,-	
2 H/T	AA61-00356B	HOLDER-TUNER,F/JACK;-,501F,ABS,HB,BLK,-	

ASSY-COVER;FRONT

1 A/CFRN	AA90-03266A	ASSY-COVER;FRONT;KS3A,29K7,HIPS,VO,BLK	
2 AV+CF	6006-001095	SCREW-ASS'Y TAPT;WP,BH,+,M4,L12,ZPC(YEL)	
2 SPK+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
2 CRT+CF	AA60-10050V	SCREW-ASSY;WC,HH,+,M6,L30,SWRCH18A,ZPC(S	
2 BCR	AA61-10054A	BRACKET-CRATER;-,STS304,-,T0.5	
2 STOPPE	AA61-40113A	STOPPER-PCB;-,ABS,HB,NTR.	
2 BADGE	AA64-70117B	BADGE-BRAND;AL,SS,R2000,25,SILVER CT-633	
2 CWFCR	AA65-00011C	CLAMP-WIRE;ALL MODEL,NYLON 66,V2,NTR,25M	
2 CWFCL	AA65-30105A	CLAMP-WIRE;NYLON 66N,VO,NTR,15MM	
2 L/QMS	AA68-02391A	LABEL-QMS;ART-PAPER(90)G,110x24mm	
2 SPK	3001-000274	SPEAKER-GENERAL;5W8OHM100X50MM	

Loc. No.	Code No.	Description ; Specification	Remark
2 L/IND	AA68-00524A	LABEL-INDICATOR;A/P 90(G),CXJ1352X/XAA,U	
2 S/CRT	AA61-01009A	SUPPORT-CRT,29K7,HIPS,VO	
2 H/BLOC	AA61-01066A	HOLDER-C,BLOCK,29K7,HIPS,VO,BLK	
2 C-BLOC	AA26-00069A	TRANS FBT;FUJ-29C002C(S),DREAM3,4,-,-,-,	
2 HB+CBK	AA60-10008A	SCREW-TAPPING;-,TH,+,M3,L10,ZP	
2 L/SPK	AA39-00102M	LEAD-CONNECTOR,ASSY;4P,35155-0400,REC,80	
2 A/A-V	AA96-00960A	ASSY-PCB;A/V FRONT;KS3A,29	
3 BAND	AA63-10002A	BAND-TIE;-,NYLON66V2,-,-,L100,NTR,-,-	
3 CN01A	AA39-20068E	LEAD CONNECTOR-ASSY;-,YBNH025-08,67096-0	
3 CN05A	AA39-20069D	LEAD-CONNECTOR,ASSY;-,YBNH025-	
3 CN06A	AA39-00070A	LEAD CONNECTOR-ASSY;4P,200mm,YBNH250-04,	
3 JE01	3722-000143	JACKHONE;1P,3.4MM,-,MBAG	
3 JR01	3722-001031	JACK-RCA;3P,3.6MM,#18,AU	
3 02VER	AA41-10358C	PCB-FRONT AV;CHASSIS-ALL,FR-1,1L,C,1.6T,	
3 CA02	2202-000121	C-CERAMIC,MLC-AXIAL;100PF,10%,	
3 CA03	2202-000121	C-CERAMIC,MLC-AXIAL;100PF,10%,	
3 CA04	2202-000720	C-CERAMIC,MLC-AXIAL;8.2nF,20%,16V,Y5R,TP	
3 CA05	2202-000720	C-CERAMIC,MLC-AXIAL;8.2nF,20%,16V,Y5R,TP	
3 LA02	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 LA03	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
3 LA04	2701-000180	INDUCTOR-AXIAL;33UH,5%,2.5X3.4	
3 LA05	2701-000180	INDUCTOR-AXIAL;33UH,5%,2.5X3.4	
3 RA01	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AB,	
3 RA02	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AB,	
3 CA06	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
3 CA07	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
2 S/CRT	AA60-00038A	SPACER-CRT;PS,SHEET,T1.0,BLK,OD22,ID10.	
2 F/C	AA64-02959A	CABINET-FRONT;29K7,HIPS,VO,BLK,DG703P,SE	
3 KP	AA64-02544A	KNOB-POWER;29K7,ABS,HB,G3676	
3 KC	AA64-02546A	KNOB-CONTROL;29K7,ABS,HB,G3676	
3 WR	AA64-02548A	WINDOW-RMC,LED;29K7,PC,CLR	
3 SPRING	AA61-60003J	SPRING-CS;-,-,SUS304,0.5,OD6,H	
3 KC+CF	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
3 WR+CF	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
2 BCR+CF	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZP	

ASSY-BOX

1 A/BOX	AA92-05516A	ASSY-BOX;KS3A,29K7,SEA/SECA	
2 L/BOX	AA68-01542A	LABEL;(UNIBOX),PAPER WHT ALLMD	
2 PCK	AA69-00063A	PACKING-CASE;29K7(SAMEX),D-3 AB,A1,750,6	

ASSY-P/MATERIAL

1 A/PACK	AA92-05517A	ASSY-P/MATERIAL;KS3A,29K7,SEA/SECA	
2 BXTAPE	0203-001295	TAPE-OPP MASKING;1242,T0.06,W100,L91.4M,	
2 STAPLE	AA60-40006A	PIN-STAPLE;-,-,-,H18,33X17.8X2	
2 C/SET	AA69-01564A	CUSHION-SET;29K7,PS FOAMED,C=0.02	
2 PE-BAG	AA69-01209A	BAG;SHEET,25-27,W54,L60,FOAM,OEM.	

ASSY CPT

1 A/CPT	AA91-01356A	ASSY CPT;TXL2791FX/XAA	
⚠ 2 CRT	AA03-00360A	CRT COLOR;A68QCP891X100(M),+380MG,1.11MH	
2 D-COIL	AA27-20002Q	COILDEGAUSSING;-,29,14OHM,70T	
2 CDCOIL	AA65-30017A	CLAMP-D,COIL;-,NYLON-66,V0,NTR,DADH300,2	
2 CDCOIL	AA65-30113A	CLAMP-D,COIL;NYLON66,V2,BLK,TVI25~29,-	
2 A/TBC	AA98-70011A	ASSY-TBC,WIRE(P);-,29,NTSC,PAL,2P	

ASSY-LABEL

1 A/LABE	AA92-05443A	ASSY-LABEL;KS3A,27,SEA	
2 INLAYB	AA64-00892F	INLAY BACK;D2,D3,RCA9P+DVD,PS SHEET,T0.3	
2 L/RAT	AA68-02445A	LABEL-RATING;ART-PAPER;60X90MM,V17A,77HN	
2 L/CRT	AA68-01557A	LABEL ENERGY;STAR,STATIC FREE FILM	
2 L/SET	AA68-50394T	LABEL-D.H.H.S;TSK2792FX/XAA,A/P120(G),-,	

Loc. No.	Code No.	Description ; Specification	Remark

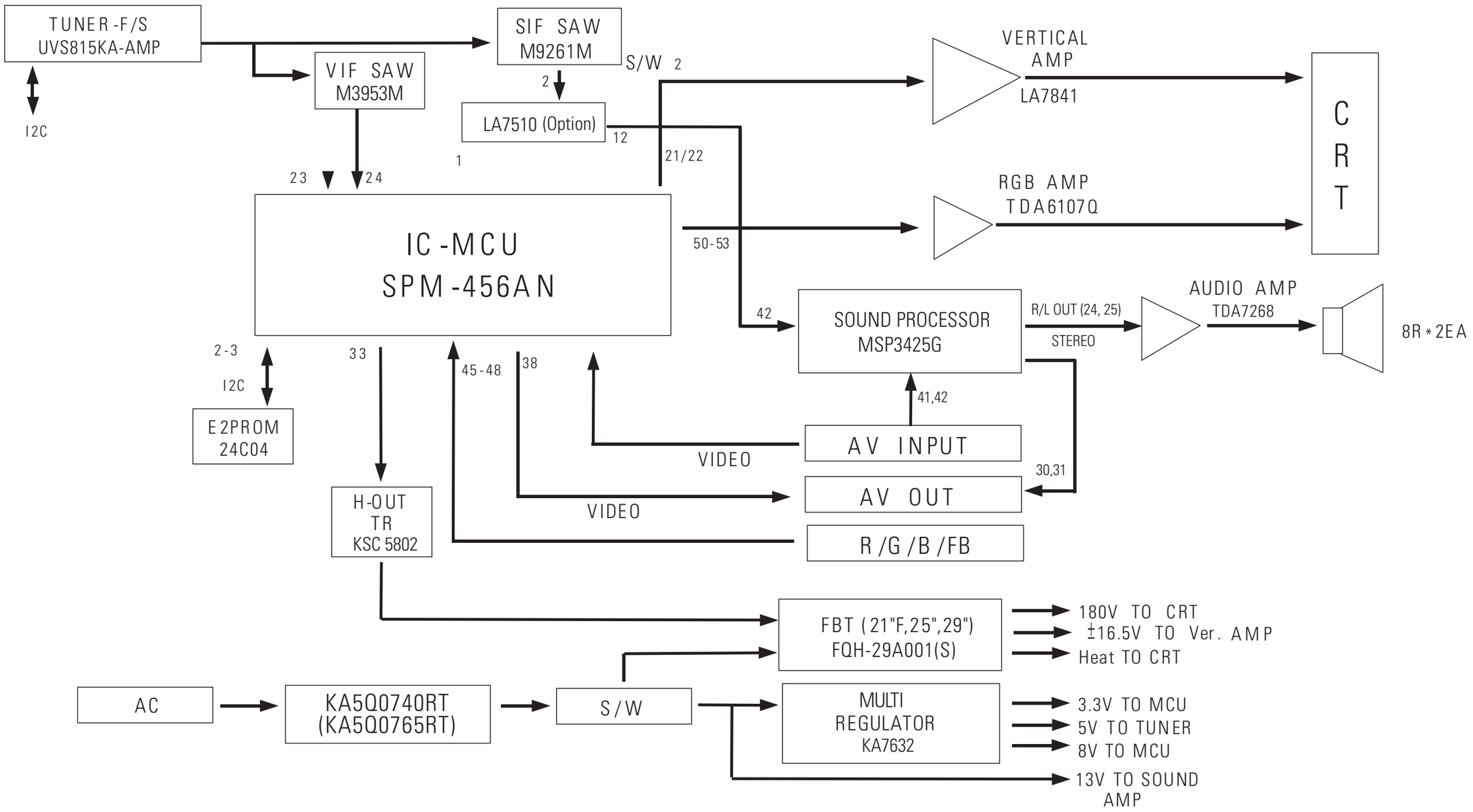
ASSY-ACCESSORY

1 A/ACCE	AA92-05575A	ASSY-ACCESSORY;KS3A,27,SEA	
2 AC-TAP	0203-001279	TAPE-OPP MASKING;#232,T0.14,W15,L50000,Y	
2 BATT	4301-000120	BATTERY-MN;1.5V,-,AA	
2 C/RCA	AA39-40001B	PATCH-CORD;3P-3P1500MMRED,WHT,YEL,500	
2 RMT	AA59-10113H	REMOCON;DP,TM59,-,-,-,-,-,AA59-10110H,	
2 C/WARR	AA68-01433A	CARD WARRANTY;TV/TVCR,ALL,W/P100(G),B5,	
2 B/WARR	AA68-01561A	CARD WARRANTY;BLOCK,STATEMENT ONLY,SEA/S	
2 I/B	AA68-02463A	MANUAL-USERS;ENG,W/P100(G),B5,60P,KS3A	
2 C/REG	AA68-01969A	CARD;REGISTRATION PRODUCT,W/P120(G),SEA	
2 BAG-PE	AA69-01195A	BAG PE;CL29A6W8X,HDPET0.012,93/4X151	

MEMO

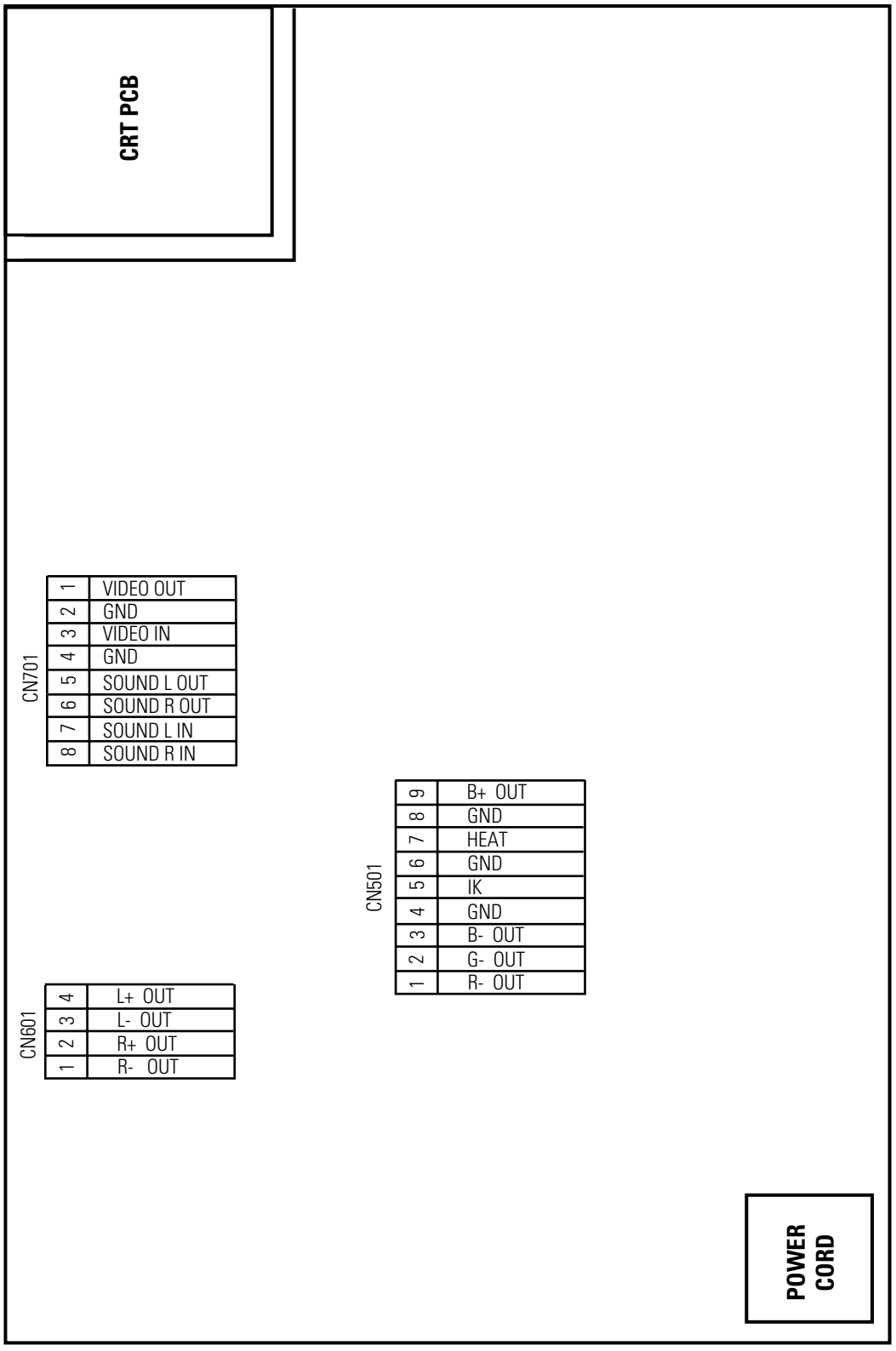
8. Block Diagram

8-1 K15C



9. Wiring Diagram

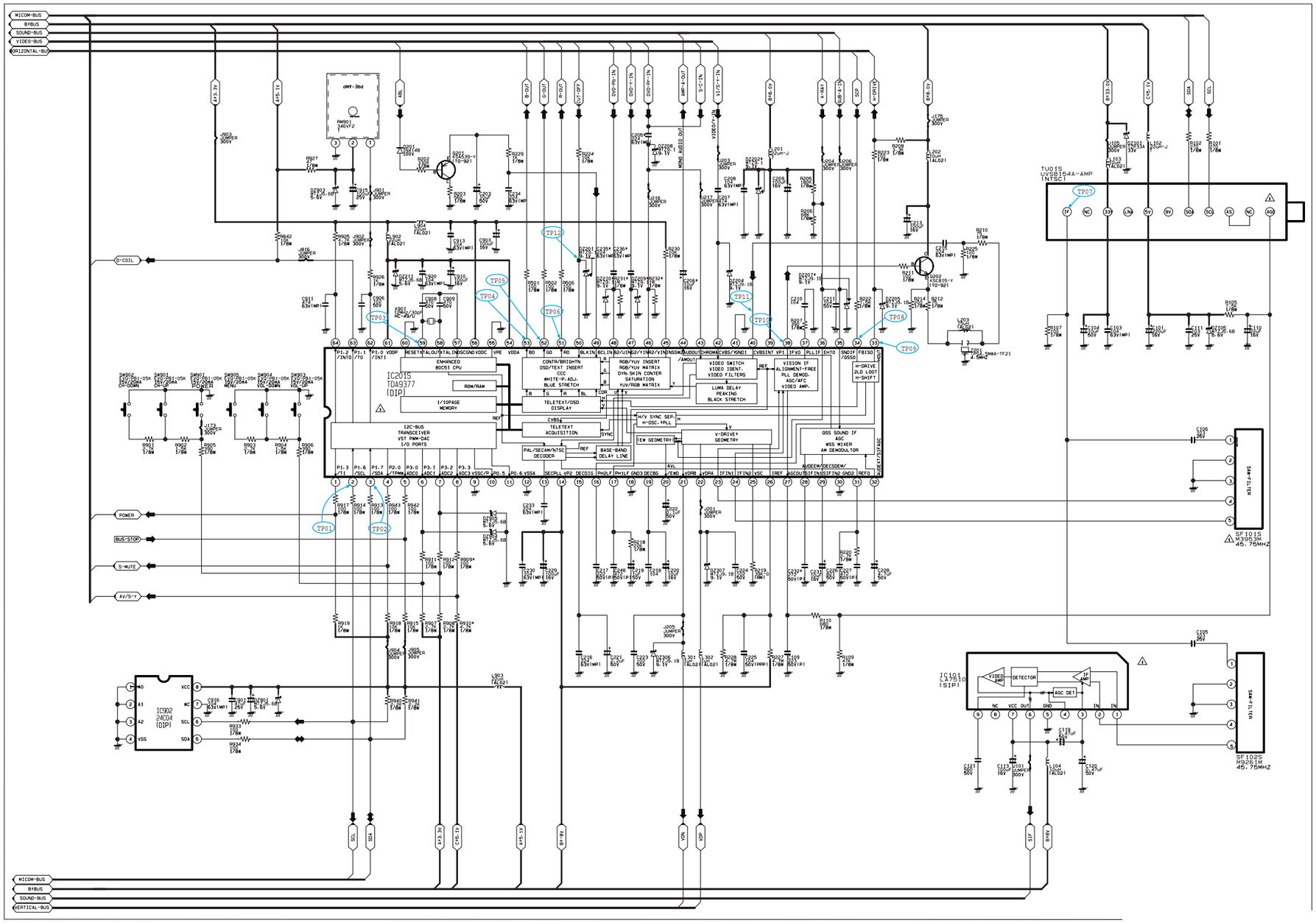
9-1 K15C



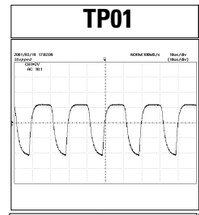
MEMO

10. Schematic Diagrams

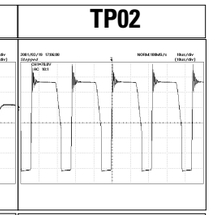
10-1 MAIN (1/4)



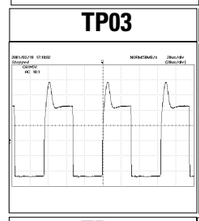
TP01



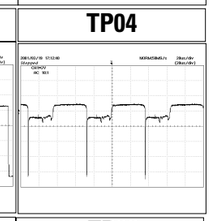
TP02



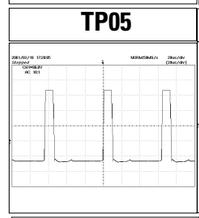
TP03



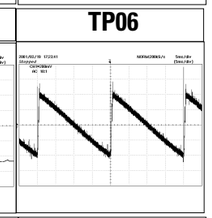
TP04



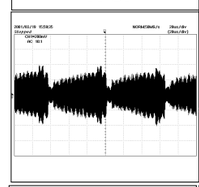
TP05



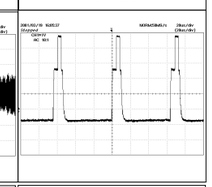
TP06



TP07



TP08



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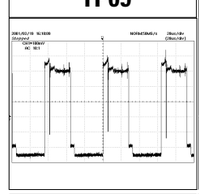
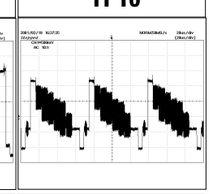
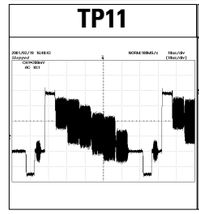


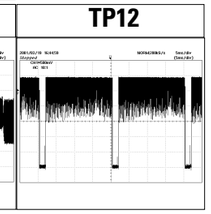
TP10



TP11



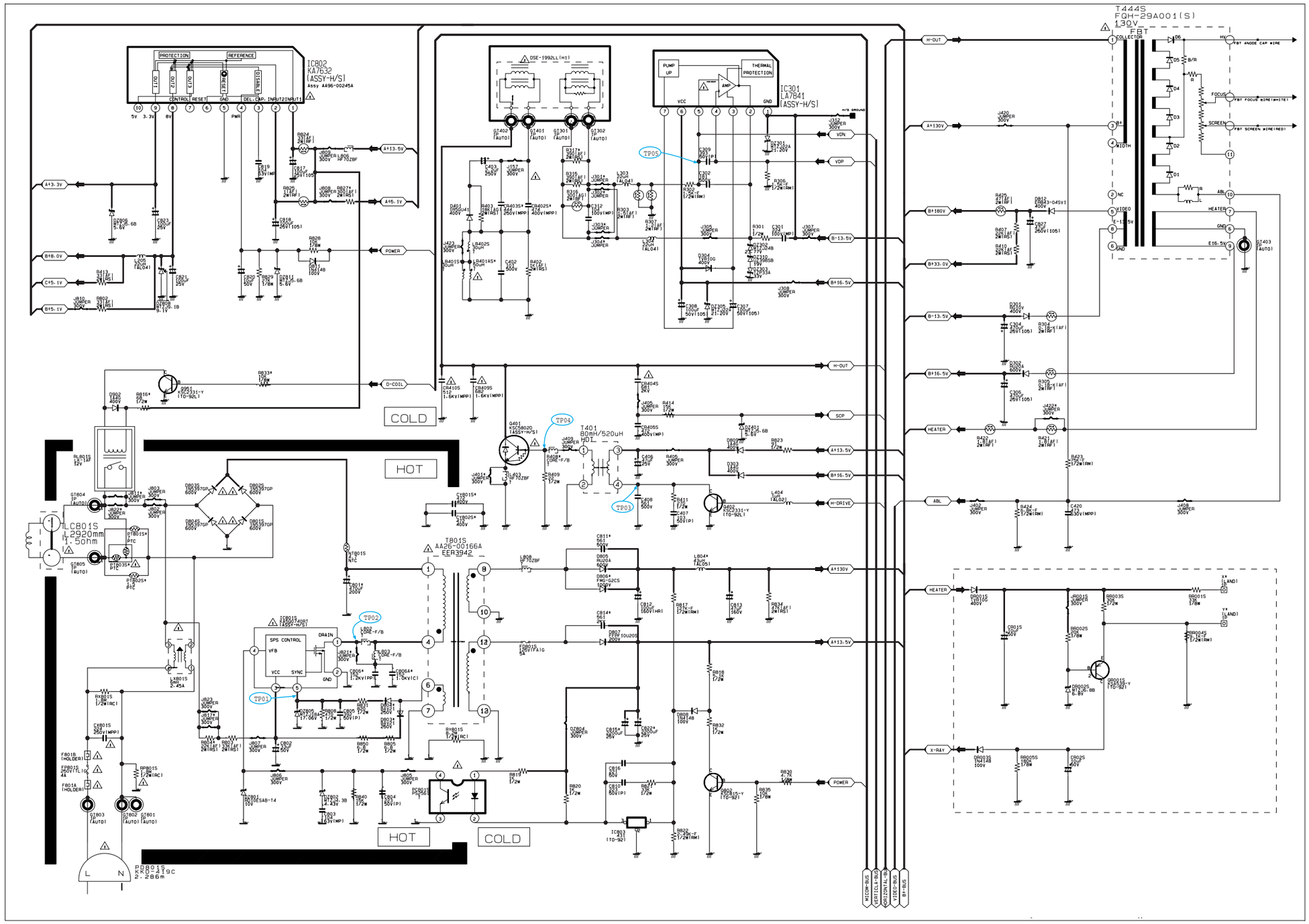
TP12



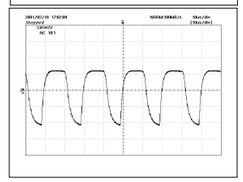
: Power Line

: Signal Line

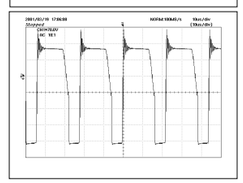
10-2 MAIN (2/4)



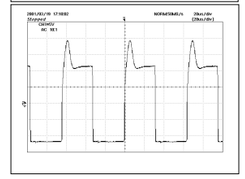
TP01



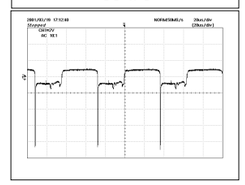
TP02



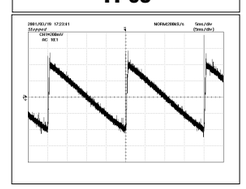
TP03



TP04



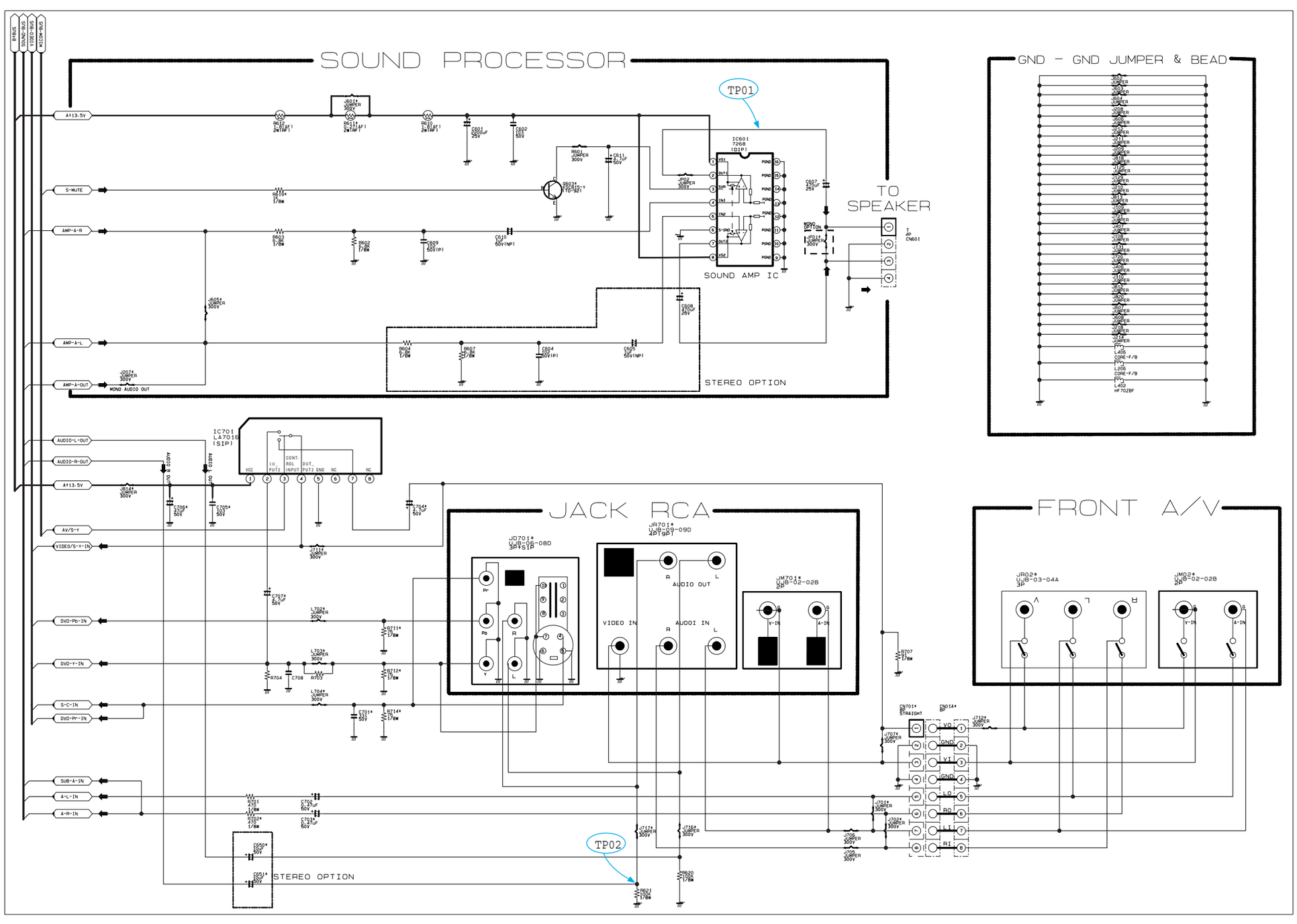
TP05



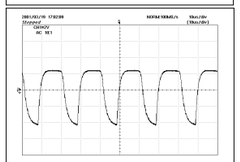
: Power Line

: Signal Line

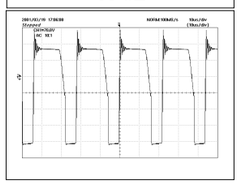
10-3 MAIN (3/4)



TP01

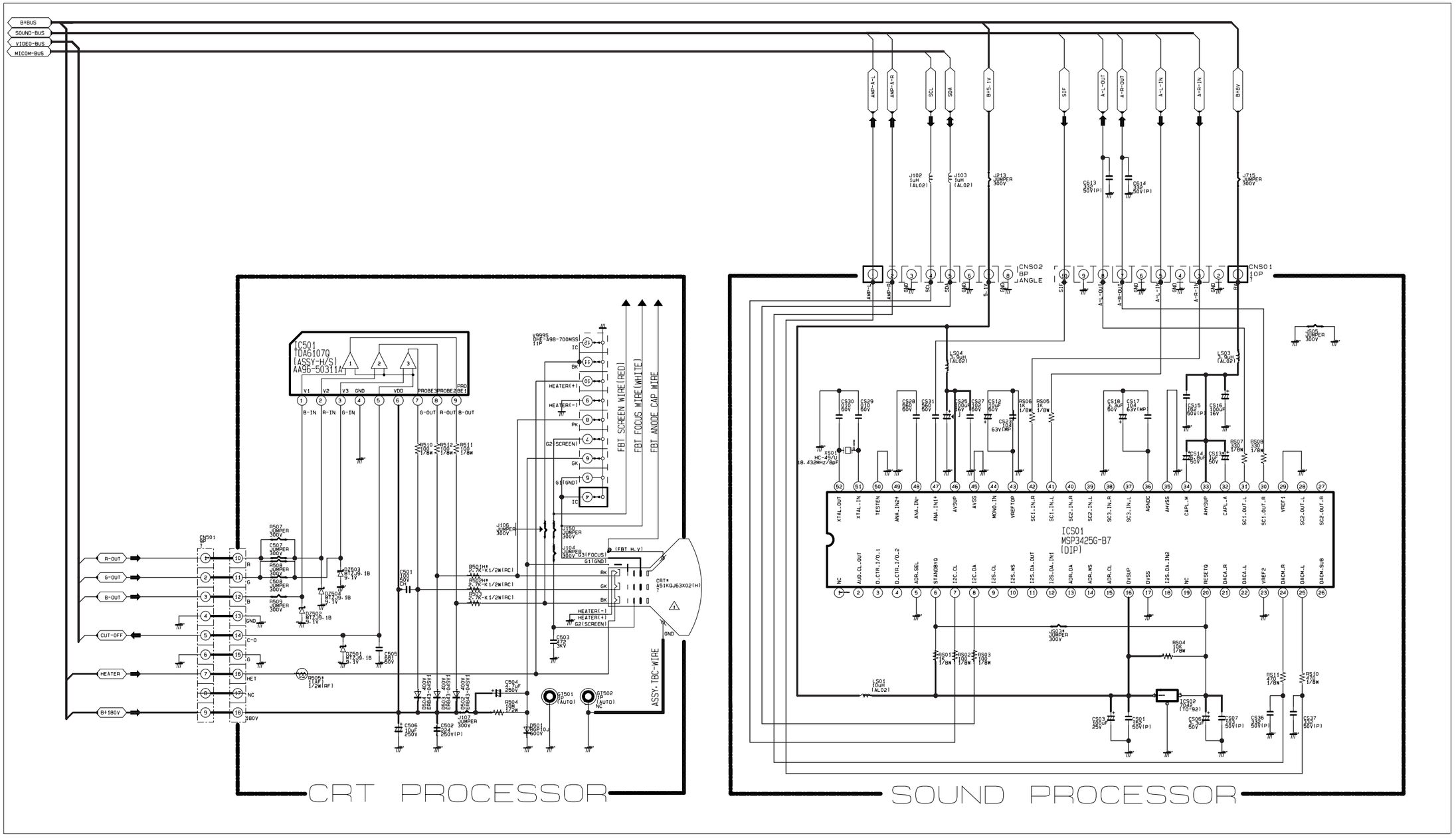


TP02



: Power Line
: Signal Line

10-4 MAIN (4/4)


B+BUS
SOUND-BUS
VIDEO-BUS
MICOM-BUS
IC501
TDA6107Q
(ASSY-H/S)
AA96-50311A
V1 V2 V3 GND VDD PROBE3 PROBE2 PROBE1
B-IN R-IN G-IN G-OUT R-OUT B-OUT
CN501
R-OUT
G-OUT
B-OUT
CUT-OFF
HEATER
B+180V
HEATER(+)
HEATER(-)
G2(SCREEN)
GK
G1(GND)
IC
FBT SCREEN WIRE(RED)
FBT FOCUS WIRE(WHITE)
FBT ANODE CAP WIRE
ASSY-TBC-WIRE
CRT PROCESSOR
AMP-A-L
AMP-A-R
SCL
SDA
B15.1V
SIF
A-L-OUT
A-R-OUT
A-L-IN
A-R-IN
B+8V
CNS02
BP
ANGLE
CNS01
TOP
ICS01
MSP3425G-B7
(DIP)
XS01
HC-49/U
18.432MHz/8P
SOUND PROCESSOR