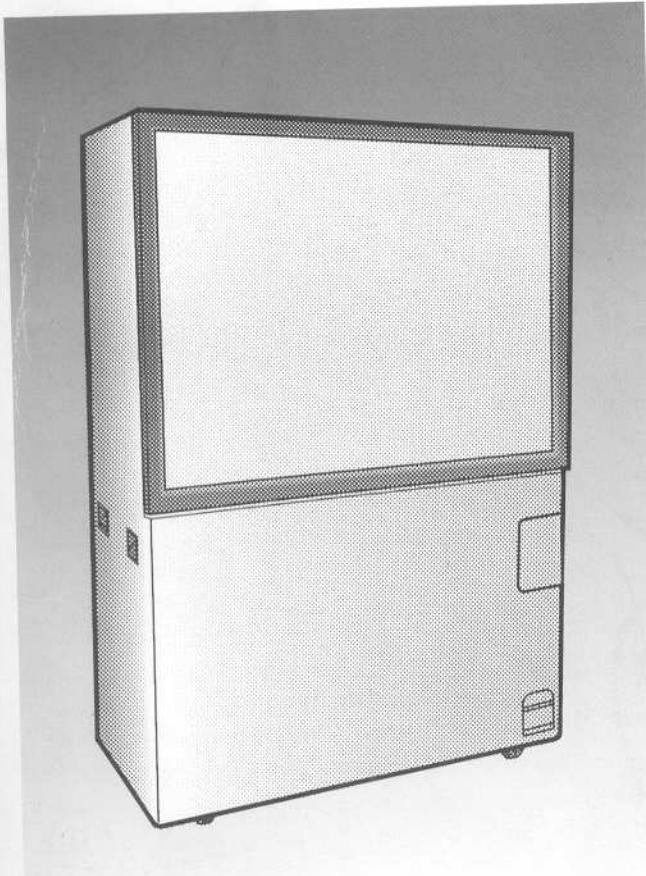


# **Progressive Projection Monitor**

**Chassis : P52A  
Model : GPM-51A**

# **SERVICE Manual**

**Progressive Projection Monitor**



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- 2. Specifications**
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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.

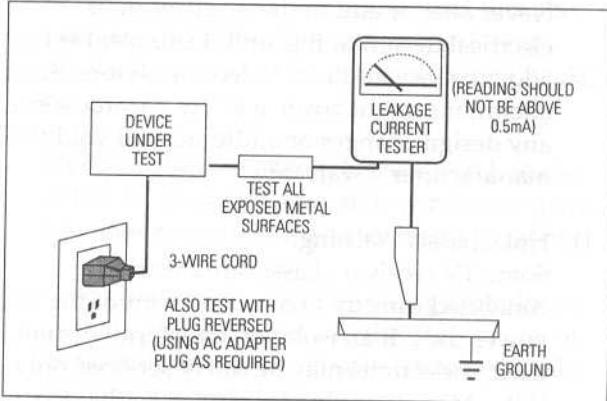


Fig. 1-1 AC Leakage Test

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)

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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

**Warning 1 : 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.**

**Warning 2 : 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.
9. When some parts inside the optical engine (except lamp) are damaged, replace the whole optical engine.

## 1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

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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 semiconductor 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.

## 2. Specifications

Model Name		GPM-51A
Power Consumption		220W
Screen Size		130 cm (diagonal)
Dimensions (W x D x H)	SET	1,133 x 595 x 1,653 (mm)
	Remote Control	66 x 35.5 x 212.5 (mm)
Weight (kg)	SET	121.5kg
	Remote Control	168g (including batteries)
Picture Tube		High Contrast, Instant Receive Type
Input Signal		R, G, B C-Sync (H/V)
Input impedance		High/ 75 W
Input Signal Level		3.3V/0.7V
Input Format	CGA (640 x 200) H : 15.7kHz V : 60 Hz	
	EGA (640 x 350) H : 24.83kHz V : 60 Hz	
	VGA (640 x 480) H : 31.5kHz V : 60 Hz	
Display Format		VGA (640 x 480) H : 31.5kHz V : 60 Hz
Power Requirements	Set : AC 110 ~ 220V, 60Hz	
	Remote Control : DC 1.5V (AAA size) x 2	
Amplification Type		Insulation Switch

Specifications are subject to change without notice.

**2-1 IC Line Up****2-1-1 MAIN**

No.	Name	Location	Description
1	SI-3090C	IC01	VOLTAGE REGULATOR
2	SI-3050C	IC02,IC03	POSI.ADJUST REGULATOR
3	CXP853P40S-1	IC901	MICOM
4	AT24C02-10PC	IC902	EEPROM
5	KA7533Z	IC903	VOLTAGE COMPARATOR
6	KIA7042P	IC904	VOLTAGE DETECTOR

**2-1-2 POWER**

No.	Name	Location	Description
1	STR-S6709	IC801,802	SMPS CONTROL S/W
2	SE012N	IC803	POWER SUPERVISORY IC
3	SE110N	IC804	POWER SUPERVISORY IC
4	PS2561-1-P	IC805,806	PHOTO COUPLER
5	SI-3050C	IC807	POSI.ADJUST REGULATOR
6	KA7906	IC808	NEGA.FIXED REGULATOR
7	KA7806	IC809	POSI.FIXED REGULATOR

**2-1-3 CONV. AMP**

No.	Name	Location	Description
1	STK392-040	ICZ103,104	VIDEO AMP

**2-1-4 DEFLECTION**

No.	Name	Location	Description
1	LA7845	IC301	VERTICAL AMP
2	KA78R12	IC421	VOLTAGE REGULATOR
3	MC4558C	IC431	OP AMP
4	TL494CN	IC471	PWM CONTROL IC
5	KA431LZ	IC481	VOLTAGE REGULATOR
6	TC74HC123AP	IC491	CMOS LOGIC

**2-1-5 UP/DOWN SCALER**

No.	Name	Location	Description
1	74F14D	ICA01	INVERTER
2	74F125	ICA02	BUFFER
3	74ABT125	ICA04	BUFFER
4	TDA8752H/8	ICA05	A/D CONVERTER
5	TL431	ICA06	POSI.ADJUST REGULATOR
6	P89C51RD+1N	ICC01	$\mu$ -PROCESSOR
7	AT24C16-10PC	ICC02	EEPROM
8	MC141544DWR2	ICC03	OSD PROCESSOR
9	KIA7442	ICC04	RESET IC
10	KM416S1020BT-G/F10	ICF01,02,03	DRAM
11	MM88282FC	ICM01	LCD CONTROLLER
12	LA931CDT33	ICM02	VOLTAGE REGULATOR
13	TDA8772H/8	ICU01	D/A CONVERTER

**2-1-6 MATRIX**

No.	Name	Location	Description
1	SDA9361	ICY01	HORI/VER. PROCESSOR
2	CXA2011Q	ICY05	VIDEO SWITCH
3	CXA1839Q	ICY06	CHROMA
4	74HCT221	ICY07	MULTIVIBRATOR

**2-1-7 CONTROL**

No.	Name	Location	Description
1	74HCT86	IC001	OR GATE
2	EL4583CN	IC002	SYNC SEPARATOR

## 3. Alignment and Adjustments

### 3-1 I<sup>2</sup>C Bus Data Adjustment

1. Select Cg Mode.
2. Press R/D →C-MUTE →G (Cg.SEL) →D-DEFAULT→POWER to enter the Service Mode.

#### 3-1-1 The following will appear on screen:

SDA 9361
11      V SHIFT      128

SDA9361 : Adjustment IC  
11 : Adjustment Item Number  
V SHIFT : Adjustment Item  
128 : Adjustment Data

#### 3-1-2 Service Mode Controls

1. When replacing IC902 EEPROM, keep power ON for 4 to 5 minutes (writing time for EEPROM initial data) after plugging in the EEPROM.
2. After replacing IC902 EEPROM, enter the Service Mode and input standard data for all items before adjusting GEOMETRIC, WHITE BALANCE, SUB-CONTRAST, and SUB-BRIGHTNESS.

**3-2 Micom**

NO	ITEM	RANGE	INITIAL VALUE	IC	NO	ITEM	RANGE	INITIAL VALUE	IC
11	V SHIFT	0 ~ 255	128	SDA9361	43	SWITCHS	0 ~ 15	5	CAX2011Q
12	V SIZE	0 ~ 255	65		44	D COLOR	0 ~ 1	1	
13	V LINEARITY	0 ~ 255	116		45	SYSTEM	0 ~ 3	3	
14	V S CORRECTION	0 ~ 255	104		46	POL SW	0 ~ 1	0	
15	V EHT	0 ~ 255	0		47	SHP LIM	0 ~ 1	0	
16	H SIZE	0 ~ 255	126		48	D ABL	0 ~ 1	0	
17	PIN PHASE	0 ~ 255	95		49	YSYM SW	0 ~ 1	0	
18	PIN AMP	0 ~ 255	112		50	AGING 1	0 ~ 1	0	
19	UPPER CORNER	0 ~ 255	128		51	AGING 2	0 ~ 1	0	
20	LOW CORNER	0 ~ 255	128		52	SUB HUE	0 ~ 15	8	
21	H EHT	0 ~ 255	0		53	SUB BRIGHT	0 ~ 15	7	
22	H SHIFT	0 ~ 255	120		54	RY R	0 ~ 15	5	
23	V ANGLE	0 ~ 255	128		55	RY B	0 ~ 15	11	
24	V BOW	0 ~ 255	128		56	GY R	0 ~ 15	9	
25	H SYNC PHASE	0 ~ 255	138		57	GY B	0 ~ 15	3	
26	DRIVE LEVEL	0 ~ 63	45	CXA2011Q	58	SUB CONT 1	0 ~ 15	8	CXA1839Q
27	SUB BRIGHT	0 ~ 63	18		59	SUB COLOR 1	0 ~ 15	8	
28	R DRIVE	0 ~ 63	32		60	SUB CONT 2	0 ~ 15	9	
29	G DRIVE	0 ~ 63	32		61	SUB COLOR 2	0 ~ 15	14	
30	B DRIVE	0 ~ 63	32		62	RGB 1 LEVEL	0 ~ 15	8	
31	R CUT OFF	0 ~ 15	8		63	RGB 2 LEVEL	0 ~ 15	8	
32	G CUT OFF	0 ~ 15	8		64	SUB SHP	0 ~ 3	3	
33	B CUT OFF	0 ~ 15	8		65	SHP F0	0 ~ 3	0	
34	SIG SEL	0 ~ 3	0		66	PRE OVER	0 ~ 3	3	
35	SYNC SEL	0 ~ 3	3		67	NR LEVEL	0 ~ 1	0	
36	SYNC SW	0 ~ 3	0		68	DC TRAN	0 ~ 3	2	
37	ABL SW	0 ~ 1	1		69	DYNAMIC PIC	0 ~ 3	3	
38	AKB T	0 ~ 1	1		70	CEC LEVEL	0 ~ 3	3	
39	HD SYNC	0 ~ 1	0		71	VM LEVEL	0 ~ 3	2	
40	GAMMA LEVEL	0 ~ 15	8		72	ABL LEVEL	0 ~ 3	0	
41	P ABL LEVEL	0 ~ 15	13		73	PAT GEN H	0 ~ 255	3	
42	RGB OFF	0 ~ 15	15		74	PAT GEN L	0 ~ 255	92	VPC3215

NO	ITEM	RANGE	INITIAL VALUE	IC	NO	ITEM	RANGE	INITIAL VALUE	IC
75	INP SEL H	0 ~ 255	33	VPV3215	106	CLOCK	0 ~ 1	0	
76	INP SEL L	0 ~ 255	33		107	VCR MODE	0 ~ 1	0	
77	COMB UC H	0 ~ 255	0		108	SLICE LEVEL	0 ~ 1	0	
78	COMB UC L	0 ~ 255	1		109	15kHz	0 ~ 1	0	
79	V PEAKING	0 ~ 255	13						
80	NOT USED	0 ~ 255	48						
81	K FACTOR 32	0 ~ 255	104						
82	K FACTOR 10	0 ~ 255	33						
83	Y TH 0	0 ~ 255	16						
84	Y TH 1	0 ~ 255	48						
85	Y TH 2	0 ~ 255	80	SDA9272					
86	TTP TPS PEL	0 ~ 255	158						
87	SFNR SFVF HF	0 ~ 255	109						
88	VS DLY	0 ~ 255	54						
89	AL	0 ~ 255	249						
90	NAL P64 IP	0 ~ 255	151						
91	NAP30 HS DLY	0 ~ 255	2						
92	NAL INTL42	0 ~ 255	8						
93	NAP INTL10	0 ~ 255	68						
94	ZOOM	0 ~ 255	129						
95	PAN	0 ~ 255	0	SDA9280					
96	DCTIC	0 ~ 255	12						
97	LFC	0 ~ 255	7						
98	LPC LOWPASS	0 ~ 255	72						
99	LPC HIGHPASS	0 ~ 255	68	OPTION					
100	AUTO ON	0 ~ 1	1						
101	PC INPUT	0 ~ 1	1						
102	FORMAT INPUT	0 ~ 1	0						
103	SDA9361	0 ~ 1	1						
104	KA22688	0 ~ 1	0						
105	UPD6488	0 ~ 1	0						

## 3-3 Video Adjustment

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### 3-3-1 Screen Adjustment

1. Power on and select Monitor Mode.
2. Warm up the TV for at least 30 minutes.
3. Connect to the Signal generator (MSPG 3240 Video signal generator) for input signal.
4. Turn off the R,G,B signal. (Use a signal generator.)
5. Connect an oscilloscope to RK,GK,BK.
6. Adjust the VR(VR501,VR531,VR561) screen so that RK,GK,BK pulse is 20Vp-p each. (Turn the R,G,B VR screen fully counterclockwise in the area of each flyback line.)

### 3-3-2 High Voltage (31KV) Adjustment

1. Input a 100% white pattern.
2. Warm up the Monitor for at least 10 minutes.
3. Connect the (+) terminal of the 1000 : 1 probe to the high voltage distributor and the (-) terminal to GND (located on the deflection board).
4. Adjust VR471(located on the deflection board) so that the digital meter indicates DC31KV ± 0.1KV.

### 3-3-3 F.S. (Fail Safe) Circuit Check

NOTE : The F.S. Circuit check must be performed after servicing.

1. Turn on the Monitor.
2. Short GT18, GT17 (located on the Convergence PCB). The picture will disappear.  
(Note : Even if the shorted terminals are removed, the picture will not reappear. This proves the F.S. circuit is working.)
3. To restore picture, turn off the Monitor and reset it after 30 seconds.

## 3-4 Picture Size Adjustment

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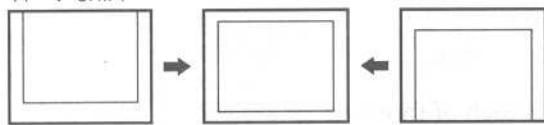
### 3-4-1 Deflection Picture Adjustment.

1. Input a 31.5K crosshatch pattern.
2. Turn off the TV.
3. Cover the Red and Blue lenses.
4. Enter the Monitor Adjustment mode by pressing the remote control keys in the following sequence: R/D → C-MUTE → G(Cg SEL) → D-DEFAULT → POWER.
5. Warm up the TV for at least 10 minutes.

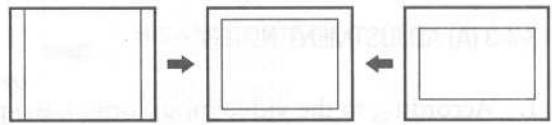
6. Select V-LINEARITY (13) using the MENU-/SEL+ key. Adjust so that the top and bottom of the screen can be symmetrical (Use the R/D or Center key).  
Note : The R/D key decreases the data value. The Center key increases the data value.
7. After the V-LINEARITY adjustments are completed, select V-SIZE (12) using the MENU/SEL key. At this time, adjust so that the picture size becomes maximum.
8. After the V-SIZE adjustments are completed, select H-SIZE and adjust so that the picture size becomes maximum.
9. Press the Add key to save the data.

### 3-4-2 Screen Change (When adjusting I<sup>2</sup>C Bus Geometric items)

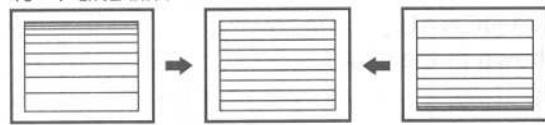
11 V SHIFT



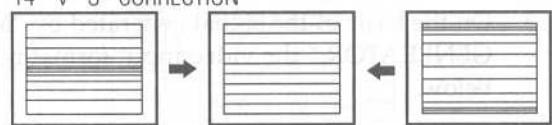
12 V SIZE



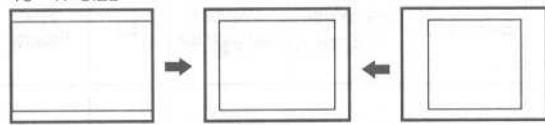
13 V LINEARITY



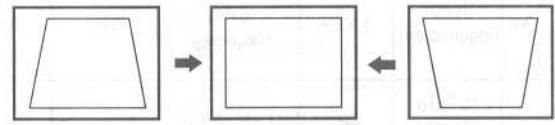
14 V-S-CORRECTION



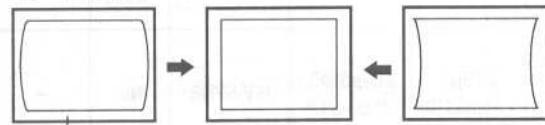
16 H SIZE



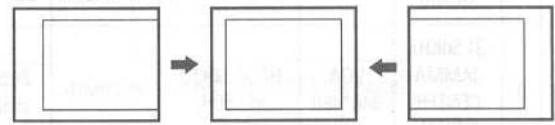
17 PIN PHASE



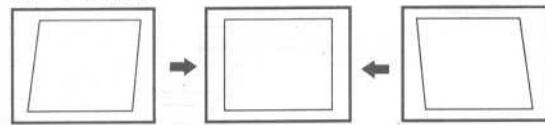
18 PIN AMP



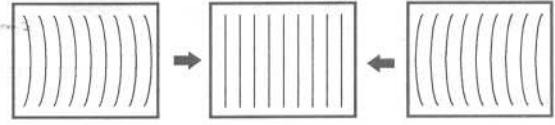
22 H SHIFT



23 V ANGLE



24 V BOW



Note: If the screen is not aligned correctly, follow the steps below:

1. Turn on the monitor.
2. Press the menu button.
3. Select "Screen Change".
4. Select "I<sup>2</sup>C Bus Geometric items".
5. Select the geometric item you want to adjust.
6. Use the left and right arrows to change the value.
7. Press the menu button to exit.

### 3-4-3 Picture Adjustment (Via the Mode Adjustment)

Note : According to the JAMMA Standard, adjust the picture size (depending on the signal characteristic for each frequency).

#### 3-4-3 (A) ADJUSTMENT NOTES

1. According to the video input format, the picture size meets each of three signal requirements (CGA, EGA, VGA) when the monitor is shipped.
2. As the picture size (by JAMMA Standard) does not always conform to the signal (output from the game player), be sure to do the picture size adjustments according to the signal characteristic of each game player.
3. On the basis of the signal generated by "MSPG 3240 VIDEO SIGNAL GENERATOR," the video input format is established as shown in the table below.

No	Signal Requirement	MODE	Sync Frequency	Pixel	Active	Front-porch (H/V fp)	Back-porch	Sync Width (H/V sw)	Sync Configuration	EQ	Sync Polarity
1	15.7KHz JAMMA CENTER SIGNAL	CGA 640*200	Hf:15.7KHz Vf: 59.920Hz	12.56MHz	46.54μS 13.49mS	3.41μS(43) 0.92mS (10)	7.24μS 0.18mS (10)	6.50μS(82) 0.38mS (6)	C-SYNC	No	-
2	24.83KHz JAMMA CENTER SIGNAL	EGA 640*350	Hf:24.83KHz Vf: 59.980Hz	19.86MHz	30.36μS 14.83mS	2.01μS(40) 0.44mS (11)	4.40μS 1.14mS (10)	3.50μS(70) 0.24mS (6)	C-SYNC	No	-
3	31.50KHz JAMMA CENTER SIGNAL	VGA 640*480	Hf:31.50KHz Vf: 60Hz	25.20MHz	24.50μS 15.05mS	0.99μS(25) 0.38mS (12)	2.75μS 1.15mS (10)	3.50μS(88) 0.095mS (3)	H.V-SYNC	No	-

3-4-3-1 Detecting Picture Adjustment

1. Turn on the TV.

2. Enter the Monitor Adjustment menu.

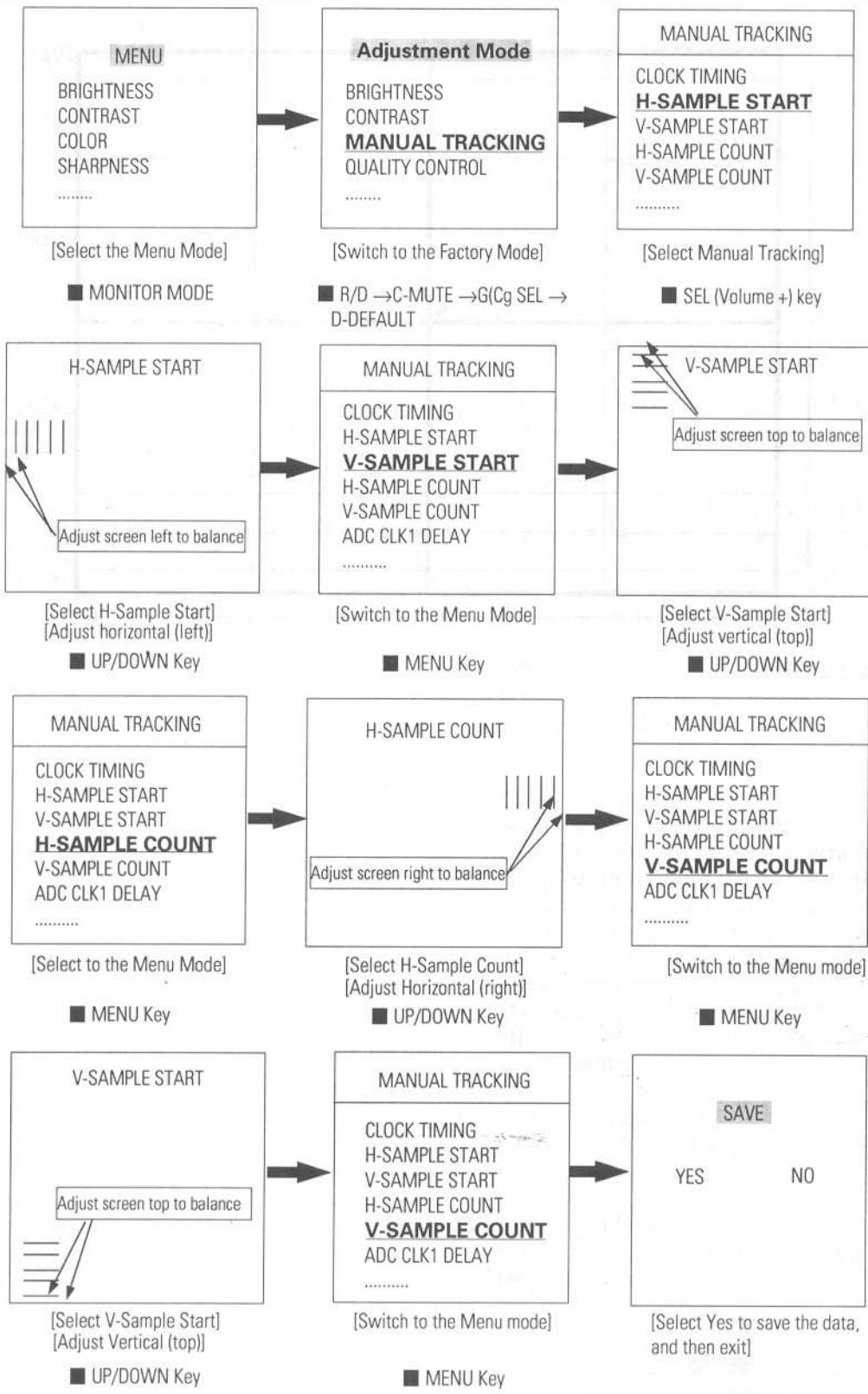
3. Press the menu selection key.

4. Press the HELP → D-DIFFADJ key.

5. Turn on the TV for adjustment.

3-4-3-2 Detecting Picture Adjustment

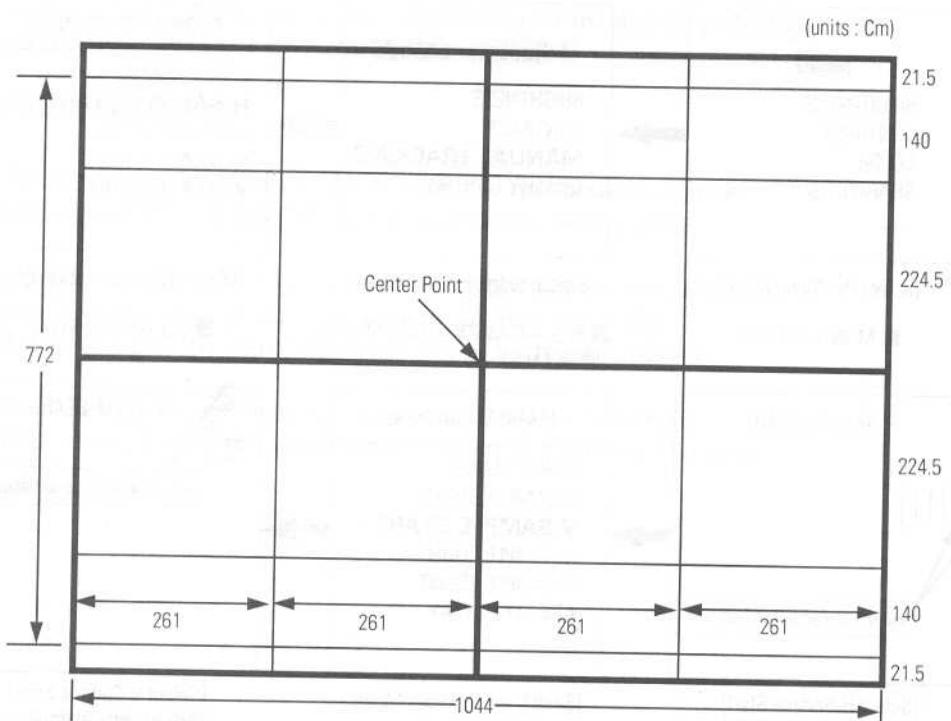
### 3-4-4 Picture Size Adjustment Mode



Note :

1. Adjustment three different modes : CGA (15.75KHz), EGA (24.83KHz), VGA (31.5KHz) Same adjustment mode/procedure as above
2. Be sure to save the adjustment data for each mode.

### 3-4-5 Convergence Screen-Jig



## 3-5 Other Adjustment

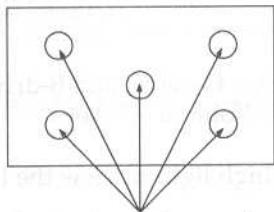
### 3-5-1 Static Focus Adjustment

#### PRECAUTION

1. Input a crosshatch pattern (31KHz).
2. Cover the lenses that are not being adjusted.
3. Connect a convergence jig and read data.
4. Adjust the lens for best focus.  
(See Fig. 3-1)

#### STATIC FOCUS (CONTINUED)

Vary the focus pack VR (Red, Blue) on the front cabinet. Adjust the TV for best possible focus around the center of the crosshatch pattern, without losing overall screen balance.



Examine these points together

Fig. 3-1 Crosshatch Pattern.

### 3-5-2 Lens Focus Adjustment

#### PRECAUTIONS

1. Do this adjustment after the static focus adjustment and the tilt adjustment.
3. Input a crosshatch pattern (31KHz).

#### ADJUSTMENT

1. Loosen the lens screws.
2. Cover the two lenses that are not being adjusted.
3. Adjust the lens, observing the color aberration vertically and horizontally within 3 blocks of the center of the crosshatch pattern.
4. When the lens is turned clockwise, the color aberration will change as follows:

Lens	Color Aberration Change
R	Orange - Crimson
G	Blue - Red
B	Purple - Green

5. Green lens adjustment:  
Set the lens at the point where Blue just changes to Red. If the color aberration is irregular throughout the picture screen, adjust the lens to show Red color aberration (approximately 1~3 mm area) within a 3-block grid around the horizontal center-line. If the color aberration is irregular, adjust the lens as shown in the diagram below. (Accurate alignment of Green is important for overall color quality.)
6. Red lens adjustment  
Set the Red lens at the point where Orange becomes Crimson.
7. Blue lens adjustment  
Set the Blue lens at the point where Purple becomes Green.

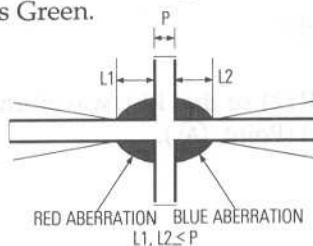


Fig. 3-2 Color Aberration

### 3-5-3 Horizontal Dynamic Focus Adjustment

#### SETUP

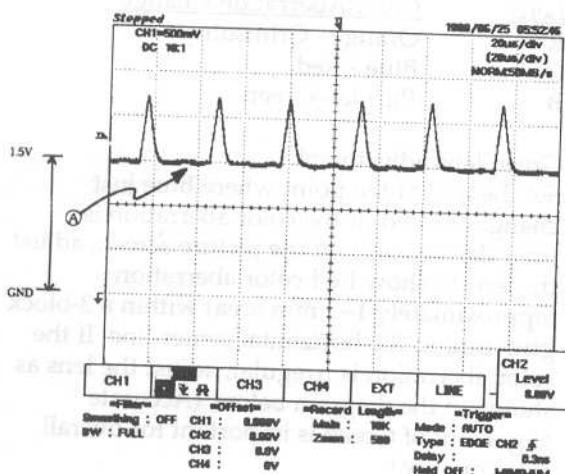
1. Input a crosshatch pattern (31kHz).
2. Warm up the TV for at least 10 minutes.

#### ADJUSTMENT

1. Cover the Red and Blue lenses.
2. Adjust VR491 (located on the deflection PCB, H-Parabola).
3. Balance the left and right sides of the dynamic focus lines.

### 3-5-4 Convergence Module Adjustment

#### IFT ADJUSTMENT



1. Connect T2 Point to an oscilloscope.
2. Adjust IFT (L100) so that PLL waveform becomes DC 1.5V.

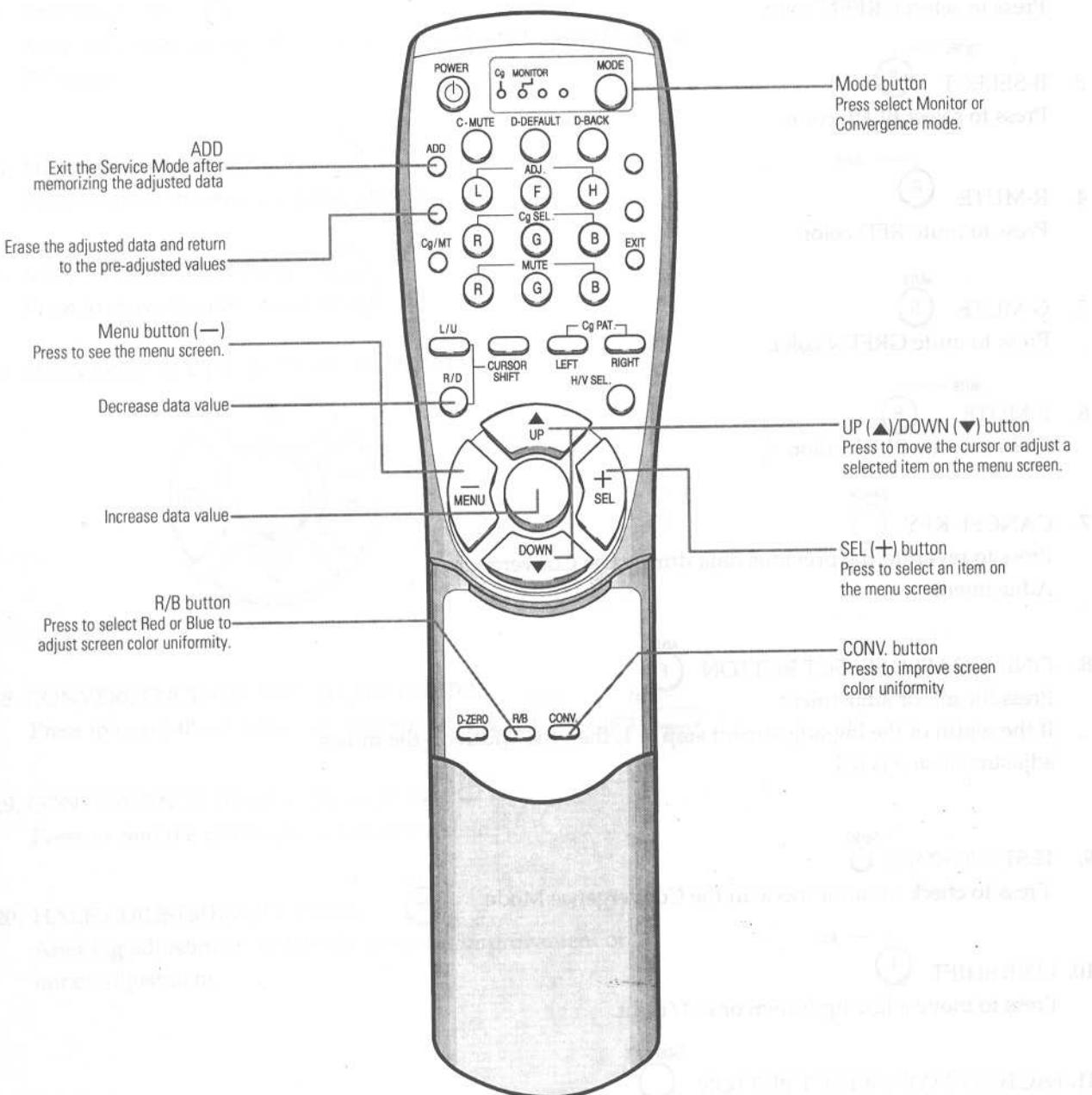
#### VR ADJUSTMENT

1. Adjust VR124 so that PLL waveform becomes horizontal (Point A).

### 3-5-5 White Balance Adjustment

1. Select the "Monitor" video mode.
2. Input an 100% white pattern (Use a signal generator).
3. Enter the adjustment mode by pressing the remote-control keys in the following sequence:  
R/D → C-MUTE → G (Cg.SEL) → D-DEFAULT → POWER.
4. Warm up the TV for at least 30 minutes.
5. Input a 10-step signal.
6. R-cut off, B-cut off, and G-cut off by pressing the MENU -/SEL + key.
7. Adjust the low light to view the dark side of the screen.
8. Select R-drive, G-drive, and B-drive by pressing the Volume +/- keys.
9. Adjust the high light to view the light side of the screen.
10. If necessary, redo adjustments 6~9.
11. Press the Menu key to exit.

### 3-6 Remote Control for Servicing (Convergence Mode)



### 3-6-1 KEY Function

1. R-SELECT  Cg SEL.

Press to select RED color.

2. G-SELECT  Cg SEL.

Press to select GREEN color.

3. B-SELECT  Cg SEL.

Press to select BLUE color.

4. R-MUTE  MUTE

Press to mute RED color.

5. G-MUTE  MUTE

Press to mute GREEN color.

6. B-MUTE  MUTE

Press to mute BLUE color.

7. CANCEL KEY  D-BACK

Press to revert to the previous data during the Convergence Adjustment.

8. FINE/COARSE SELECT BUTTON  ADJ.

Press for minor adjustment.

If the width of the big-adjustment step is 1, then the width of the minor adjustment step is 0.5.

9. TEST/NORMAL  Cg/MT

Press to check Monitor mode in the Convergence Mode.

10. LINE SHIFT  ADJ.

Press to move a line up/down or left/right.

11. FACTORY DATA SELECT BUTTON  D-DEFAULT

Press to call the factory default values.



Press to switch the cursor direction horizontally or vertically.



After the Convergence Adjustments are completed, press to save data.



After the Convergence adjustments are completed, press to exit to TV mode.



Press to move the cursor right or down.



Press to move the cursor left or up.



Press to move the convergence pattern left ( Cg PAT. LEFT) or right ( Cg PAT. RIGHT).



Press to zero the convergence correction data.



After big adjustments are made, press for improvement of minor adjustment.

## 3-7 Convergence Adjustment

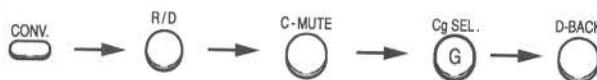
1. Warm up the TV for at least 30 minutes.
2. Input a Game Signal (Use a signal connection cable).



Make sure that both deflection and convergence yokes are properly adjusted so that the center of Green, Red, Blue pattern is aligned on the center of screen jig.

Select Cg by pressing the Mode button

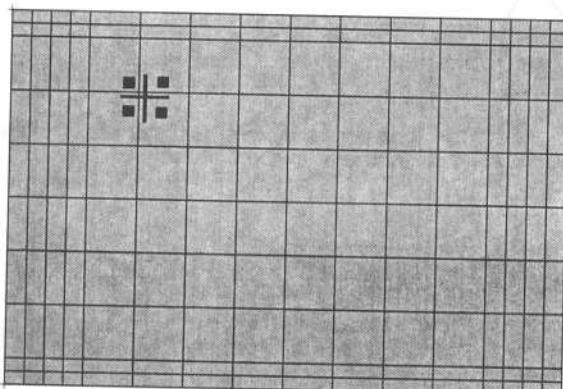
3. Enter the Convergence Mode by pressing the remote control keys in the following sequence:



If OSD is displayed as shown in figure below, press the **EXIT** key to exit.

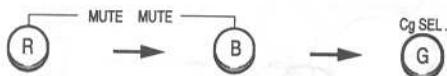
Then, redo step 3 to enter the Convergence Mode.

After entering the Convergence Mode, Stand by for about five seconds before doing the adjustments.

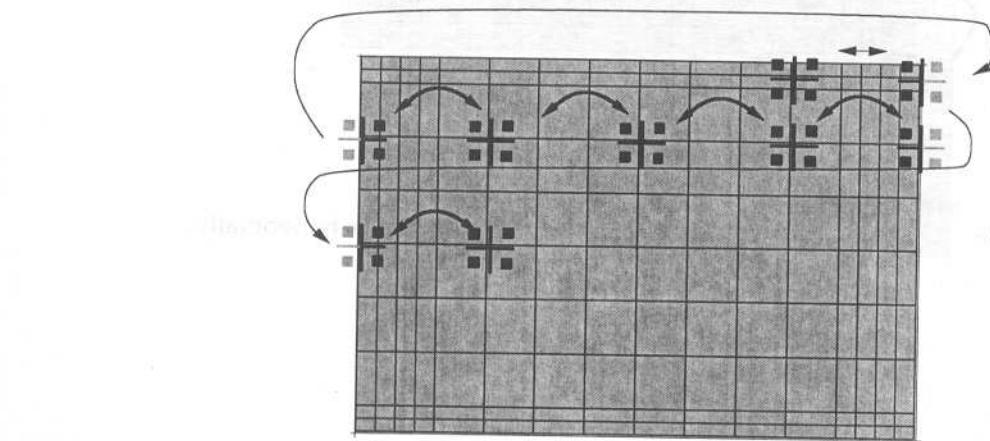


11. FACTORY DATA SELECT
12. Press to call the factory data.

4. To adjust GREEN, first press the **R** and the **B** keys, and then press the **G** key.



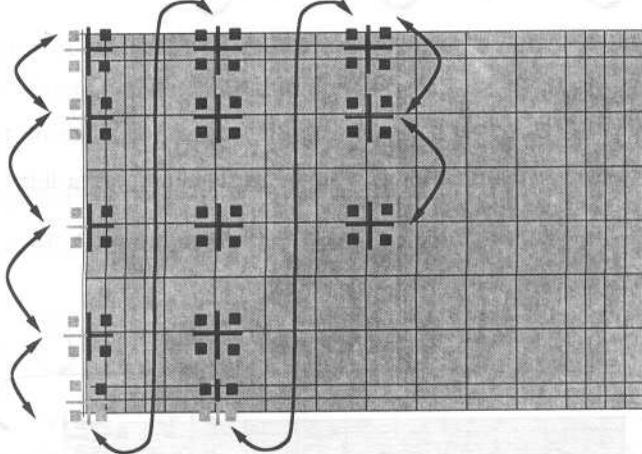
5. The **LEFT** key moves the cursor right, and the **RIGHT** key moves the cursor left.



6. After the pattern has been set, press the **RIGHT** key to move the cursor to the next column, and the **LEFT** key to move it to the previous column.

7. When the pattern has been set, press the **RIGHT** key to move the cursor to the next row, and the **LEFT** key to move it to the previous row.

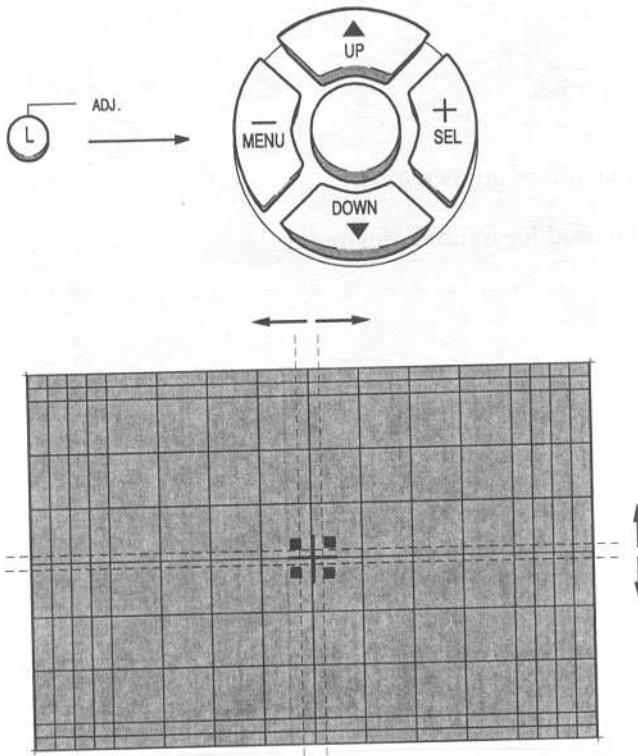
- H/V SEL.
6. The  key moves the cursor horizontally or vertically.



H/V SEL.

When the  key is pressed once again, the cursor moves horizontally.

7. Use the  <sup>ADJ.</sup> key for overall balance.



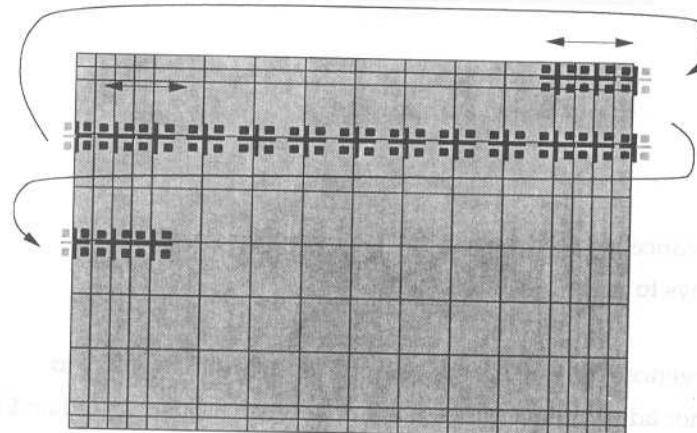
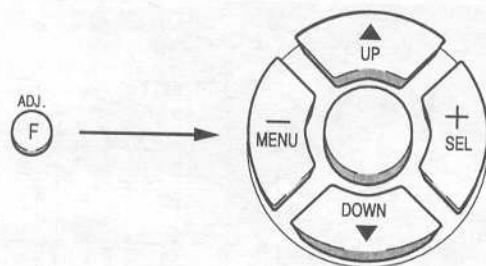
8. After the Line Shift is cancelled by pressing the  <sup>ADJ.</sup> key, use the Channel and -MENU/+SEL keys to make big adjustments.

9. After the green convergence adjustments are completed, press the  <sup>ADD</sup> key to save the data (The minor adjustments can be done only when adjusting Red and Blue).

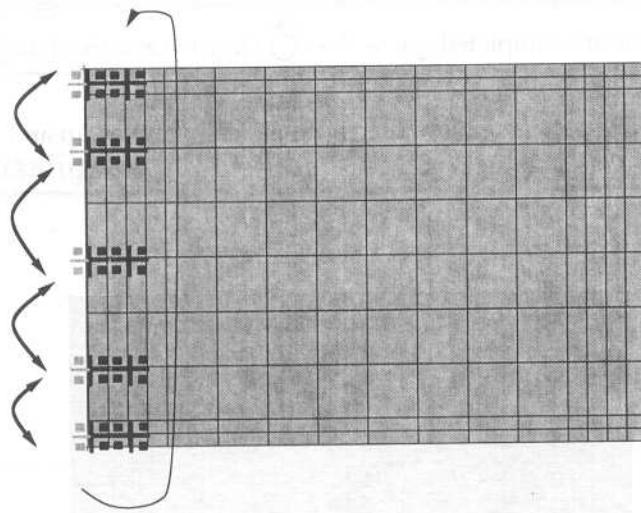
10. Superimpose the Red and Green colors by pressing the  and the  keys.

11. To adjust RED, redo steps 5~8.

12. Use the   key to make minor adjustments.  
(Or the   key can be used for minor adjustment.)



Cursor Movement (when making minor adjustments)



H/V SEL.  
When the cursor moves vertically

13. To superimpose the blue and green colors, press (1) the **R** key for R-Mute, (2) the **B** key to cancel the B-Mute, and (3) the **B** key for B-select.

14. To adjust BLUE, redo steps 5 ~ 12.

15. If any color is not properly adjusted when displaying the red, blue and green colors, readjust the color.

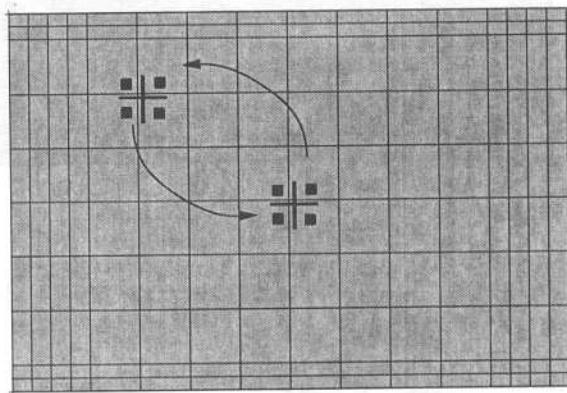


When readjusting a color, enter the minor adjustment mode. Otherwise, the existing adjustment data might be distorted.

16. After the color adjustments are completed, press the (  ) key to save the data.



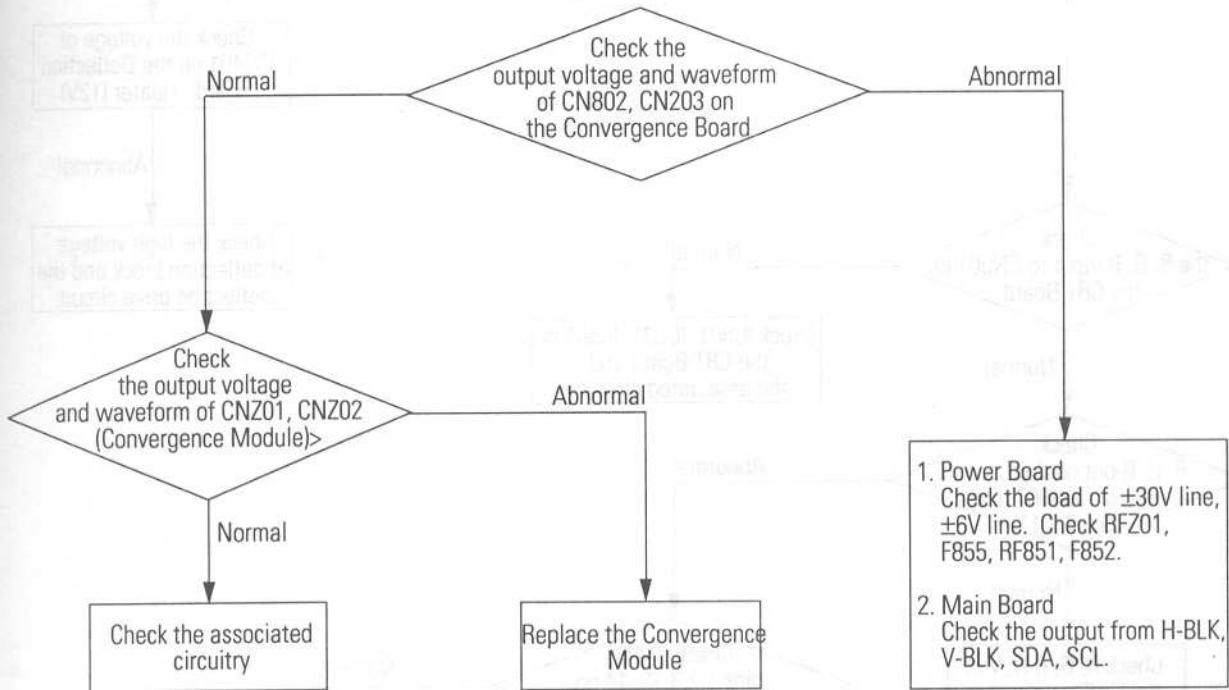
The cursor moves to center, and then automatically moves up and to the left about five seconds later.

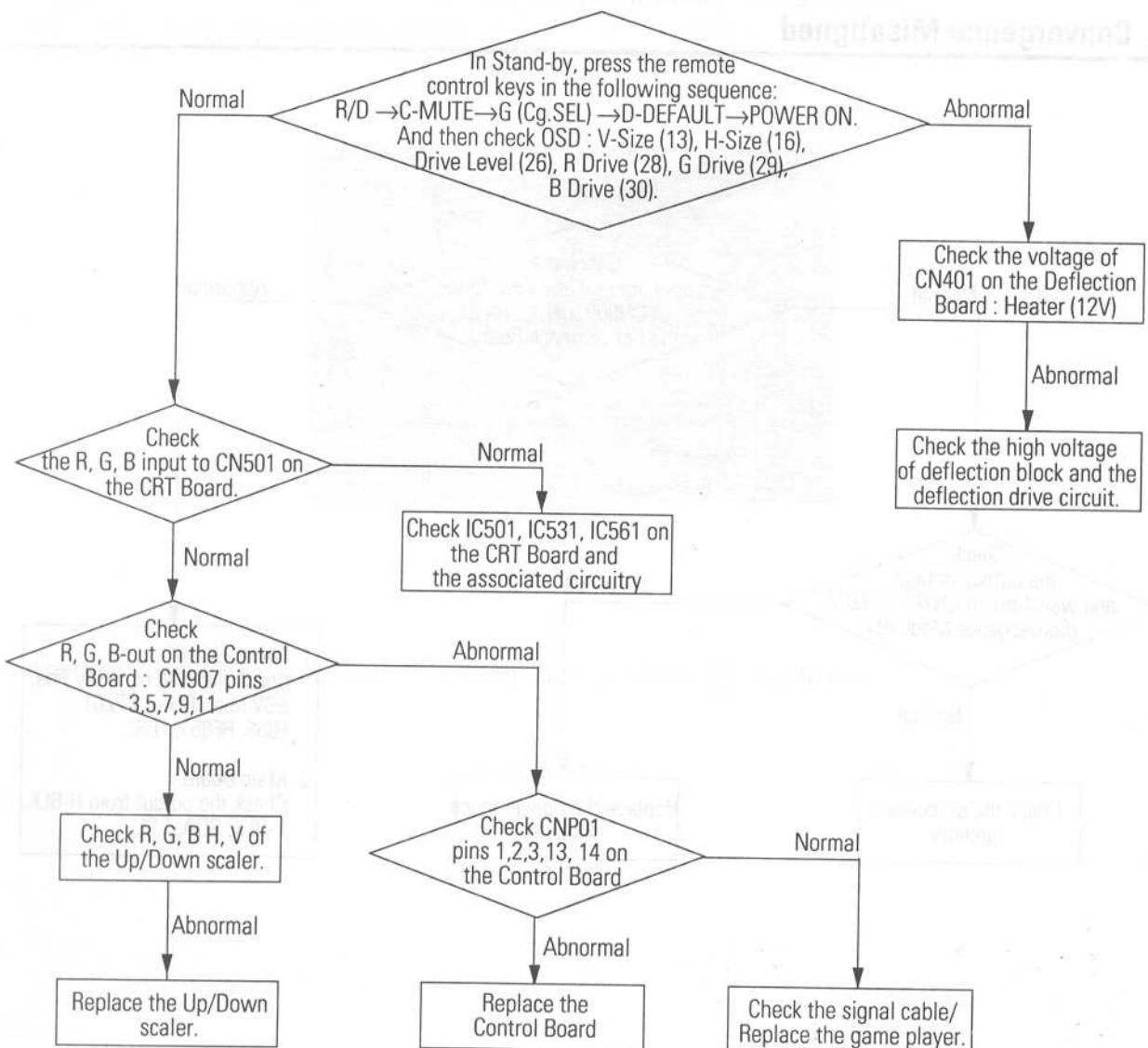


17. After the Convergence Adjustments are completed, press the  key to exit.

## 4. Troubleshooting

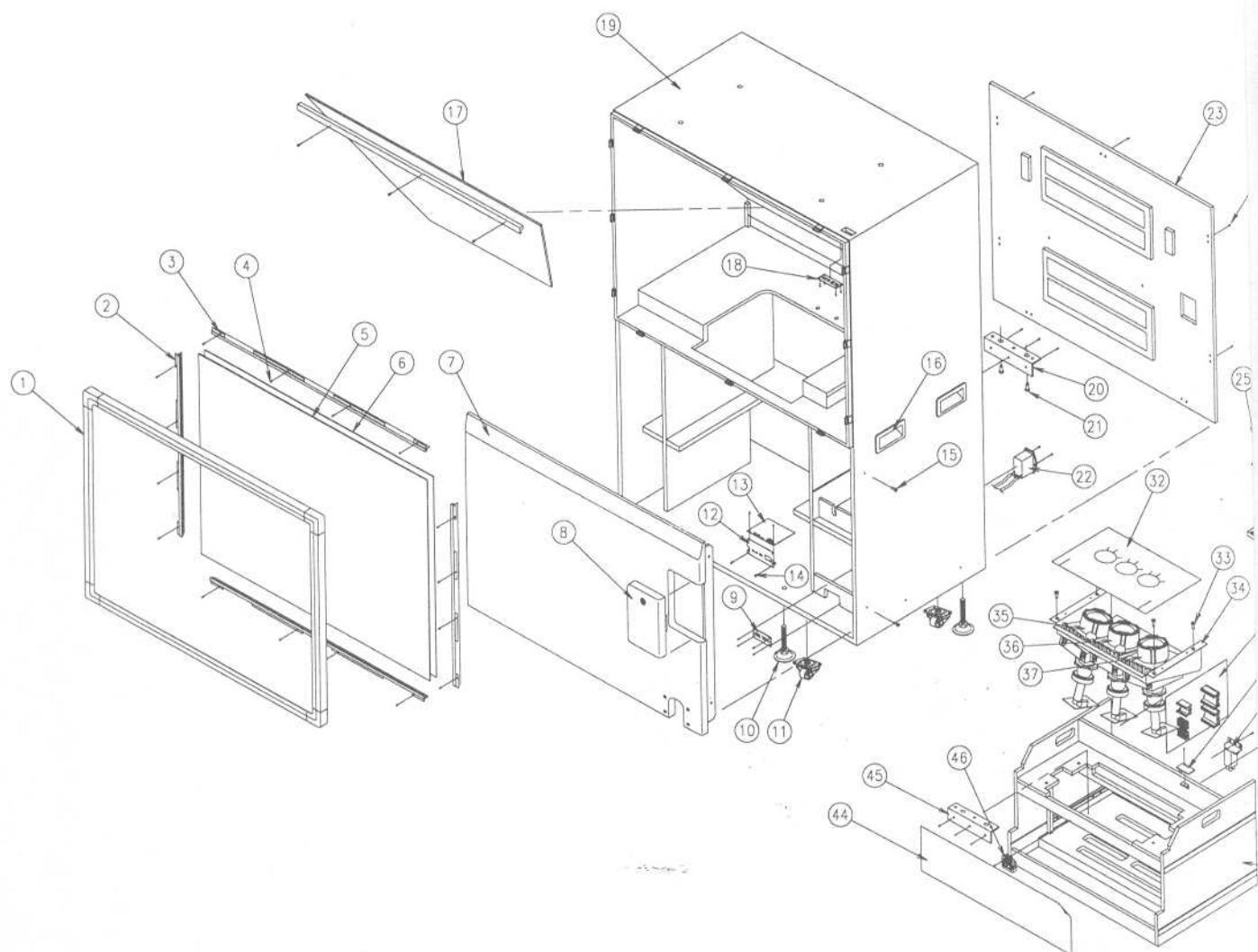
### 4-1 Convergence Misaligned

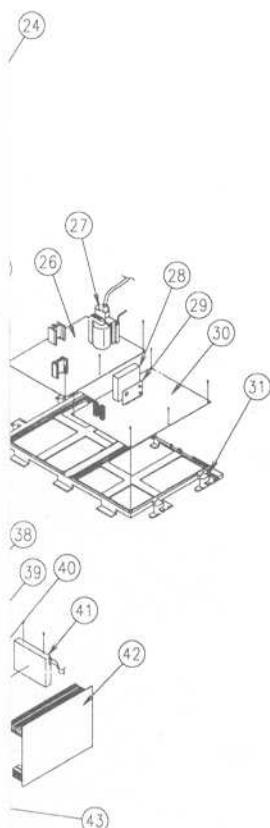


**4-2 No Picture**

## **5. Exploded View & Parts List**

### **5-1 GPM-51A**





No.	DESCRIPTION	CODE - NO	SPECIFICATION	Q'TY
1	ASSY-CABINET,MASK	AA91-00081A	ABS HB BLK	1
2	HOLDER-SCREEN	AA61-00024D	L730	1
3	HOLDER-SCREEN	AA61-00024C	L1002	1
5	SUN-SCREEN	AA67-70048A	T2.0	1
6	SCREEN-TINT	AA67-70065A	DNP T2.92	1
7	COVER-FRONT	AA63-00067A	WOOD	1
8	DOOR-CONTROL	AA64-00215A	WOOD	1
9	HOLDER-CONNECTOR	AA61-00062A	SECC T1.0	1
10	LEG-STOPPER	AA64-00216A	M16	4
11	CASTER	AA61-00030A	50,23,H63	4
12	BRACKET-CONTROL	AA61-00059A	SECC T1.0	1
13	ASSY-PCB,CONTROL	AA95-00183A	GPM-51A, P52A	1
14	SCREW-WOOD	AA60-00018A	M4 L20	2
15	SCREW-MACHINE	AA60-00019A	SCM435 M6*30	4
16	HANDLE-CABINET,WOOD	AA64-00209A	ABS HB BLK	4
17	MIRROR-BACK	AA67-00006A	1046*709*667	1
18	HOLDER-CONNECTOR	AA61-00062A	SECC T1.0	1
19	ASSY-CABINET,WOOD	AA91-00082A	WOOD	1
20	BRACKET-CHASSIS	AA61-00038A	SECC T1.6	1
21	SCREW-ASSY	AA60-00015A	M8 L25	2
22	POWER MASTER-ASSY	AA95-00118A	MASTER	1
23	COVER-BACK	AA63-00068A	WOOD	1
24	SCREW-TAPPING	AA60-10050U	M4 L25	9
25	SCREW-TAPITITE	6003-001023	M3 L10	13
26	ASSY-PCB,DEFLECTION	AA95-00075A	SVP431JM,KPM51A	1
27	TRANS-FLYBACK	AA25-30005A	FWZ-50A001,50	1
28	ASSY-PCB,UP/DOWN SCALE	AA95-00088A	GPM-51A, P52A	1
29	ASSY-PCB,MATRIX BOARD	AA95-00134A	GPM-51A,P52A	1
30	ASSY-PCB,MAIN(OPT)	AA94-00607A	GPM-51A,P52A	1
31	HOLDER-CHASSIS	AA61-20142B	ABS VO GRY	1
32	SPACER-COVER,DUST	AA63-60121A	FELT T1.0	1
33	SCREW-ASSY	AA60-00015A	M8 L25	4
34	BRACKET-CRT,MAIN	AA61-11026A	SECC T1.6	1
35	ASSY-CRT(R)	AA94-00741A	P16LN07RJA	1
36	ASSY-CRT(G)	AA94-00743A	P16LN07HKA	1
37	ASSY-CRT(B)	AA94-00742A	P16LN07BMB	1
38	ASSY-PCB,POWER	AA95-00094A	SVP431JM,KPM51A	1
39	REMOCON MODULE	AA95-90028T	SVP431JM,KPM51A	1
40	BRACKET-HV	AA61-10149A	SECC T1.0	1
41	ASSY-PCB, CONN.MOD	AA95-90038T	SVP431JM,KPM51A	1
42	ASSY-PCB, CONN AMP	AA95-00169A	GPM-51A,P52A	1
43	ASSY-CABINET,CHASSIS	AA91-00100A	WOOD	1
44	SPACER-FELT	AA63-60131C	820*140	1
45	BRACKET-CHASSIS	AA61-00038A	SECC T1.6	1
46	MODULE-FOCUS PACK	AA59-40002E	MHF174-04,NTSC	1

## 6. Electric Parts List

### 6-1 GPM-51A

Loc. No.	Code No.	Description : Specification	Remark	Loc. No.	Code No.	Description : Specification	Remark
<b>ASSY-PCB,MAIN</b>							
*	AA94-00607A	ASSY-PCB,MAIN(OPT);GPM-51,P52A,DOMESTIC,		DZ912	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
C501	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5		DZ913	0403-000296	DIODE-ZENER;MTZ5.68,5.6V,4.5-5.73V,500m	
C801	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,		DZ914	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
C802	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	H014	AA63-00065A	SHIELD-CASE,-,SPTE0.5,0.5,SHIELD-CASE BO		
C803	2401-000033	C-AL;1000uF,20%,16V,GP,TP,10x20,5	IC01	1203-000577	IC-VOLTAGE REGULATOR;3090,ZIP5P,-,PLASTI	H/SINK	
C804	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	IC02	1203-000203	IC-POS.LADJUST REG.;3050,TO-220,5P,-,PLA	H/SINK	
C805	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	IC03	1203-000203	IC-POS.LADJUST REG.;3050,TO-220,5P,-,PLA	H/SINK	
C806	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	IC901	AA13-30020H	IC-MCU,-,CXP853P4D0S-1,8bit,SDIP,-,84P		
C807	2401-000033	C-AL;1000uF,20%,16V,GP,TP,10x20,5	IC902	1103-000128	IC-EEPROM;24C02,256*8BIT,DIP,8P,300MIL,1		
C808	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	IC903	1202-000001	IC-VOLTAGE COMP.;7533,TO-92,3P,-,SINGLE,		
C809	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	IC904	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL		
C810	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	L901	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm		
C811	2401-000033	C-AL;1000uF,20%,16V,GP,TP,10x20,5	L902	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm		
C812	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	L903	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm		
C901	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	LEAD/C	AA39-20010D	LEAD-CONNECTOR,ASSY,-,YFH800-01,S,1P,400		
C902	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,	MOD/F	AA59-40003P	MODULE-FOCUS,PACK,-,F300,NTSC,43.64x62,		
C903	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	N00096	AA68-50067B	LABEL-RATING;ART PAPER(90),ALL MODEL,LAM		
C912	2201-000471	C-CERAMIC,DISC;0.33NF,10%,50V,Y5PT,4X3	Q501	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,T0-92,T		
C913	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	Q502	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,T0-92,T		
C914	2201-000375	C-CERAMIC,DISC;220pF,5%,50V,RH,TP,9.5x3.	Q901	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,T0-92,T		
C915	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	Q902	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,T0-92,T		
C918	2201-000611	C-CERAMIC,DISC;56pF,5%,50V,CH,TP,6.5x3,5	Q903	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,T0-92,T		
C919	2201-000573	C-CERAMIC,DISC;47pF,5%,50V,CH,TP,6.5x3,0	Q904	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,T0-92,T		
C920	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	Q905	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,T0-92,T		
C921	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	Q906	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,T0-92,T		
C922	2201-000273	C-CERAMIC,DISC;18pF,5%,50V,CH,TP,5x3mm,5	Q907	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,T0-92,T		
C923	2201-000273	C-CERAMIC,DISC;18pF,5%,50V,CH,TP,5x3mm,5	Q908	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,T0-92,T		
C924	2201-000138	C-CERAMIC,DISC;100pF,10%,50V,Y5P,TP,4.0X	Q911	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,T0-92,T		
C925	2201-000138	C-CERAMIC,DISC;100pF,10%,50V,Y5P,TP,4.0X	Q916	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,T0-92,T		
C926	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	R501	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
C927	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	R502	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
C928	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	R503	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
C929	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11,5,5	R504	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
CN201	3711-003641	CONNECTOR-HEADER,BOX,12P,1R,2.5mm,STRAIG	R505	2001-000938	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM		
CN202	3711-003641	CONNECTOR-HEADER,BOX,12P,1R,2.5mm,STRAIG	R801	2003-002070	R-METAL OXIDE;1ohm,5%,2W,AFT,TP,3.9x10mm		
CN501	3711-002647	CONNECTOR-HEADER,BOX,8P,1R,2.5mm,STRAIGH	R802	2003-001031	R-METAL OXIDE(S);2.4ohm,5%,2W,AFT,TP,3.9x		
CN810	3711-002646	CONNECTOR-HEADER,BOX,7P,1R,2.5mm,STRAIGH	R803	2003-001031	R-METAL OXIDE(S);2.4ohm,5%,2W,AFT,TP,3.9x		
CN901	2503-000159	C-NETWORK;330PFX5,20%,50V,MCCB1H331MX5YT	R804	2003-002070	R-METAL OXIDE;1ohm,5%,2W,AFT,TP,3.9x10mm		
CN902	2503-000156	C-NETWORK;100pFx4,20%,50V	R901	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
CN905	3711-002642	CONNECTOR-HEADER,BOX,3P,1R,2.5MM,STRAIGH	R902	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
CN907	3711-003641	CONNECTOR-HEADER,BOX,12P,1R,2.5mm,STRAIG	R903	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.		
CN908	3711-002644	CONNECTOR-HEADER,BOX,5P,1R,2.5mm,STRAIGH	R905	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.		
CNN01	3710-001208	CONNECTOR-SOCKET,32P,2R,2.54mm,STRAIGHT,	R907	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.		
CNN02	3710-001208	CONNECTOR-SOCKET,32P,2R,2.54mm,STRAIGHT,	R909	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.		
CNW02	AA39-20577A	LEAD CONNECTOR-ASSY,-,YFH806-06,-,6(3)P,	R911	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.		
CNW03	AA39-20029D	LEAD CONNECTOR-ASSY,-,B7096-007,S,7P500	R916	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
CORE/F	3301-001201	CORE-FERRITE;AE,230.5x10.25x36mm,1500,28	R917	2001-000003	R-CARBON;3300HM,5%,1/8W,AA,TP,1.8X3.2MM		
D501	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	R918	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		
D502	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	R919	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		
D503	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	R920	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		
D801	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	R921	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
D802	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	R925	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
D902	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	R926	2001-000003	R-CARBON;3300HM,5%,1/8W,AA,TP,1.8X3.2MM		
D903	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	R927	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ501	0403-00289	DIODE-ZENER;MTZ10C,10V,9.7-10.2V,500mW,D	R928	2001-000924	R-CARBON;6800HM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ903	0403-00296	DIODE-ZENER;MTZ5.68,5.6V,4.5-5.73V,500m	R929	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ904	0403-00296	DIODE-ZENER;MTZ5.68,5.6V,4.5-5.73V,500m	R930	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ905	0403-00296	DIODE-ZENER;MTZ5.68,5.6V,4.5-5.73V,500m	R931	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ906	0403-00296	DIODE-ZENER;MTZ5.68,5.6V,4.5-5.73V,500m	R932	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ907	0403-00296	DIODE-ZENER;MTZ5.68,5.6V,4.5-5.73V,500m	R933	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ908	0403-00296	DIODE-ZENER;MTZ5.68,5.6V,4.5-5.73V,500m	R934	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ909	0403-00296	DIODE-ZENER;MTZ5.68,5.6V,4.5-5.73V,500m	R935	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ910	0403-000667	DIODE-ZENER;MTZ6.8A,6.8V,6.29-6.63V,500m	R936	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
DZ911	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	R937	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
			R940	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
			R941	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
			R942	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM		

Loc. No.	Code No.	Description : Specification	Remark	Loc. No.	Code No.	Description : Specification	Remark
R943	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C360	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
R944	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM		C361	2306-000122	C-FILM,MPPF;100nF,5%,50V,TP,7.3x4.0x5.0m	
R945	2001-000832	R-CARBON;5100HM,5%,1/8W,AA,TP,1.8X3.2MM		C362	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
R946	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C371	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11.5	
R947	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM		C372	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11.5	
R948	2001-000832	R-CARBON;5100HM,5%,1/8W,AA,TP,1.8X3.2MM		C373	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11.5	
R949	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C374	2401-001621	C-AL;8.8uF,20%,450V,GP,TP,13x20.5	
R950	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM		C375	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11.5	
R951	2001-000832	R-CARBON;5100HM,5%,1/8W,AA,TP,1.8X3.2MM		C391	2401-001571	C-AL;47uF,+20%,-0%,50V,GP,TP,8x11.5	
R952	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C405	2201-000144	C-CERAMIC,DISC;100pF,5%,50V,CH,TP,8x3.5	
R953	2001-000857	R-CARBON;5600HM,5%,1/8W,AA,TP,1.8X3.2MM		C406	2201-000600	C-CERAMIC,DISC;560pF,10%,50V,Y5P,TP,5x3,	
R954	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C411	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5	
R955	2001-000857	R-CARBON;5600HM,5%,1/8W,AA,TP,1.8X3.2MM		C412	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7.3x2.2mm,5mm	
R956	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C413	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5	
R957	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C417	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16.5	
R958	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C418	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11.5	
R959	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C419	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,6	
R960	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C421	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11.5	
R961	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C422	2301-000289	C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3.5	
R966	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		C427	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11.5	
R967	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		C428	2306-000122	C-FILM,MPPF;100nf,5%,50V,TP,7.3x4.0x5.0m	
R968	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		C429	2305-000704	C-FILM,MPEF;100nf,5%,250V,TP,16.5x10.3x5	
R969	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		C430	2306-000324	C-FILM,MPPF;3.3nf,5%,1.6KV,TP,28.5x13.5	
R970	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C431	2306-000326	C-FILM,MPPF;4.7nf,5%,1.6KV,TP,28.5x16.9m	
R971	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C432	2306-000357	C-FILM,MPPF;8.2nf,5%,1.6KV,BK,20x9.5x17.	
R972	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C436	2306-000235	C-FILM,MPPF;560nf,5%,400V,TP,26*22.5*14,	
R973	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C437	2401-003114	C-AL;4.7uF,20%,250V,W,TP,10x16.5	
R974	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C438	2306-000357	C-FILM,MPPF;8.2nf,5%,1.6KV,BK,20x9.5x17.	
R975	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C441	2401-000262	C-AL;100uF,20%,160V,HR,TP,16x25.7.5	
R976	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C445	2401-001622	C-AL;6.8uF,20%,50V,BP,TP,16x25mm,7.5	
R977	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C450	2401-001160	C-AL;33uF,20%,160V,GP,-,16x35mm,7.5	
R980	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		C451	2401-001160	C-AL;33uF,20%,160V,GP,-,16x35mm,7.5	
R981	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		C452	2201-000132	C-CERAMIC,DISC;100pF,10%,500V,Y5P,TP,6x4	
R982	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C453	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16.5	
R983	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M		C454	2303-000331	C-FILM,PPF;4.7nF,5%,630V,TP,19.5x12x7.7.	
R984	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C455	2401-001527	C-AL;47uF,20%,250V,H,R,TP,13x25mm,5m	
R985	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M		C456	2201-000132	C-CERAMIC,DISC;100pF,10%,500V,Y5P,TP,6x4	
R986	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		C457	2201-000132	C-CERAMIC,DISC;100pF,10%,500V,Y5P,TP,6x4	
R988	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		C458	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16.5	
R989	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C461	2201-000600	C-CERAMIC,DISC;560pF,10%,50V,Y5P,TP,5x3,	
R990	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C462	2301-000246	C-FILM,PEF;33nf,5%,100V,TP,7x5.0x9.5mm,5	
R999	2001-000440	R-CARBON;10HM,5%,1/8W,AA,TP,1.8X3.2MM		C465	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11.5	
RN901	2011-000157	R-NETWORK;10Kohm,5%,1/8W,A,SIP,6P,TP		C466	2305-000289	C-FILM,MPEF;220nf,5%,63V,TP,-,5mm	
X901	2801-003120	CRYSTAL-UNIT;8.38860MHz,25ppm,28-AAM,30		C467	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
				C468	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
				C469	2201-000291	C-CERAMIC,DISC;1nF,10%,500V,Y5P,TP,8.5x5	
				C471	2303-000128	C-FILM,PPF;12nf,5%,1.6KV,BK,31x21x14,25m	
				C472	2401-000787	C-AL;220uF,20%,160V,GP,TP,16x31.5,7.5	
				C473	2306-000166	C-FILM,MPPF;220nf,5%,400V,TP,26x17x9,20m	
				C474	2306-000326	C-FILM,MPPF;4.7nf,5%,1.6KV,TP,28.5x16x9m	
				C476	2401-000647	C-AL;2.2uf,20%,50V,BPT,TP,5x11,5	
				C477	2301-000213	C-FILM,PEF;220nf,5%,250V,TP,21.5x11.7,5	
				C478	2301-000200	C-FILM,PEF;27nf,5%,100V,TP,7.3x4x12.5mm,	
				C480	2306-000122	C-FILM,MPPF;100nf,5%,50V,TP,7.3x4.0x5.0m	
				C481	2401-000914	C-AL;22uf,20%,16V,GP,TP,5x11,5	
				C482	2301-000148	C-FILM,PEF;10nf,5%,100V,TP,7x3.2x7mm,5mm	
				C483	2301-000200	C-FILM,PEF;2.2nf,5%,200V,TP,11x0.6x0.9	
				C483A	2201-000132	C-CERAMIC,DISC;100pF,10%,500V,Y5P,TP,6x4	
				C484	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5x11,5	
				C485	2201-000138	C-CERAMIC,DISC;100pF,10%,50V,Y5P,TP,4.0X	
				C486	2201-000138	C-CERAMIC,DISC;100pF,10%,50V,Y5P,TP,4.0X	
				C487	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5x11,5	
				C488	2401-002144	C-AL;47uf,20%,16V,GP,TP,5x11,5	
				C489	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11.5	
				C490	2201-000982	C-CERAMIC,DISC;10nf,+80-20%,50V,Y5V,TP,6	
				C491	2303-000128	C-FILM,PPF;12nf,5%,1.6KV,BK,31x21x14,25m	
				C492	2401-002144	C-AL;47uf,20%,16V,GP,TP,5x11,5	
				C493	2201-000119	C-CERAMIC,DISC;100nf,+80-20%,50V,Y5V,TP,	
				C494	2201-000471	C-CERAMIC,DISC;0.33nf,10%,50V,Y5P,TP,4X3	
				C495	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
				C496	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
				C497	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11.5	
				C498	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7.5	
				CN201	AA39-200718	LEAD-CONNECTOR,ASSY,-,YBNH025-12,67096-0	
				CN401	3711-002645	CONNECTOR-HEADER,BOX,6P,1R,2.5MM,STRAIGH	
				CN804	3711-002648	CONNECTOR-HEADER,BOX,9P,1R,2.5mm,STRAIGH	
				CNW405	AA39-20010H	LEAD-CONNECTOR,ASSY,-,YFH800-01,S,1P,300	

## ASSY-PCB, DEFLECTION

Loc. No.	Code No.	Description : Specification	Remark	Loc. No.	Code No.	Description : Specification	Remark
CNW804	AA39-20031C	LEAD-CONNECTOR,ASSY,-,67096-009,S,9P400		0352	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D301	0403-000658	DIODE-ZENER;MTZ18A,18V,16.22-17.06V,500m		0353	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D302	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T		0354	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,TO-92,T	
D304	0403-000658	DIODE-ZENER;MTZ18A,18V,16.22-17.06V,500m		0355	0501-000366	TR-SMALL SIGNAL;KSC2330-Y,NPN,1W,TO-92L	H/SINK
D305	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m		0371	0502-000442	TR-POWER;2SC4636RB,NPN,2W,TO-220,ST,10-	
D306	0403-000494	DIODE-ZENER;MTZ39.3V,35.36-37.2V,500mW,		0372	0502-000442	TR-POWER;2SC4636RB,NPN,2W,TO-220,ST,10-	
D307	0403-000700	DIODE-ZENER;TPZ33A,33V,31-35V,1W,DO-41,T		0381	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D342	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0382	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D343	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0401	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D344	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0402	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D352	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0411	0502-000258	TR-POWER;KSC1983,NPN,30W,TO-220,-500	
D353	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0421	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D355	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T		0422	0502-001118	TR-POWER;KSC2335,NPN,40W,TO-220,ST,30-6	
D363	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0431	0502-001121	TR-POWER;2SC5144,NPN,200W,TO-3P,BK,10-	H/SINK
D364	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0432	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,TO-92,T	
D371	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0433	0502-000298	TR-POWER;KSD73,NPN,30W,TO-220,-120-240	H/SINK
D372	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0441	0502-001104	TR-POWER;2SD921,NPN,80W,TO-3P,BK,700-	H/SINK
D373	0402-000243	DIODE-RECTIFIER;RC2-V1,2000V,0.2A,DO-201		0451	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D384	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0452	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D385	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0453	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D386	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		0454	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,TO-92,T	
D391	0403-000700	DIODE-ZENER;TPZ33A,33V,31-35V,1W,DO-41,T		0461	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D395	0403-003355	DIODE-ZENER;UZ5.1BSB,5.1V,4.97-5.18V,500		0471	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D411	0403-00699	DIODE-ZENER;TPZ27B,27V,27-30.8V,1W,DO-41		0472	0502-001118	TR-POWER;KSC2335,NPN,40W,TO-220,ST,30-6	
D412	0403-000700	DIODE-ZENER;TPZ33A,33V,31-35V,1W,DO-41,T		0473	0502-001100	TR-POWER;2SC4125,NPN,70W,TO-3PML,BK,-	H/SINK
D431	0402-001176	DIODE-RECTIFIER;FMQ-G5GS,1700V,10A,TO-22	H/SINK	0481	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D432	0402-001176	DIODE-RECTIFIER;FMQ-G5GS,1700V,10A,TO-22	H/SINK	0482	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,TO-92,T	
D433	0402-000537	DIODE-RECTIFIER;RH1A,600V,0.6A,DO-204AC		0483	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,TO-92,T	
D435	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		0485	0505-001202	FET-SILICON;IRF5640A,N,200V,9.8A,18ohm	H/SINK
D440	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T		0486	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D441	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T		0491	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
D442	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R301	2004-001897	R-METAL(S);43.2Kohm,1%,1/2W,AA,TP,2.5x6.	
D443	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R302	2004-001897	R-METAL(S);43.2Kohm,1%,1/2W,AA,TP,2.5x6.	
D444	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T		R303	2004-001984	R-METAL(S);26.7Kohm,1%,1/2W,AA,TP,2.4x6.	
D445	0403-000701	DIODE-ZENER;TPZ5.1A,5.1V,4.8-5.4V,1W,DO-		R305	2004-001984	R-METAL(S);26.7Kohm,1%,1/2W,AA,TP,2.4x6.	
D451	0402-000216	DIODE-RECTIFIER;ERC24-06,600V,1.0A,DO-20		R306	2003-001036	R-METAL OXIDE(S);3.3ohm,5%,2W,AFTP,3.9x	
D452	0402-000250	DIODE-RECTIFIER;RG4C,1000V,1A,-		R307	2003-001036	R-METAL OXIDE(S);3.3ohm,5%,2W,AFTP,3.9x	
D453	0402-000250	DIODE-RECTIFIER;RG4C,1000V,1A,-		R308	2001-000016	R-CARBON(S);10HM,5%,1/2W,AA,TP,2.4X6.4MM	
D456	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R310	2003-002037	R-METAL OXIDE(S);270ohm,5%,2W,AF,TP3.9x	
D457	0403-000551	DIODE-ZENER;MTZ3.9B,3.9V,3.89-4.16V,500m		R312	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D464	0402-000236	DIODE-RECTIFIER;IG1824,400V,TA,-		R313	2001-000761	R-CARBON;4300HM,5%,1/8W,AA,TP,1.8X3.2MM	
D469	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R314	2001-000761	R-CARBON;4300HM,5%,1/8W,AA,TP,1.8X3.2MM	
D471	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T		R332	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
D472	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T		R333	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
D473	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m		R334	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
D474	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T		R339	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D475	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R340	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D476	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R341	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D477	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R342	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D478	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R343	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D479	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R344	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D480	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R345	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
D481	0403-000658	DIODE-ZENER;MTZ18A,18V,16.22-17.06V,500m		R345A	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D482	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP		R346	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
D483	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m		R347	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
D484	0403-000734	DIODE-ZENER;TPZ15.1V,15.7-16.5V,1W,DO-		R348	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D488	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R349	2001-000252	R-CARBON;1.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D491	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,		R350	2001-000232	R-CARBON;1.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
D492	0403-000666	DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500m		R351	2001-001178	R-CARBON(S);6800HM,5%,1/2W,AA,TP,2.4X6.4	
DF-FBT	6003-001023	SCREW-TAPITTE;RWH,+B,M3,L10,ZPC(YEL),SW		R352	2001-000003	R-CARBON;3300HM,5%,1/8W,AA,TP,1.8X3.2MM	
IC301	1204-000517	IC-VERTICAL DEF.;LA7845,SIP,7-,PLASTIC	H/SINK	R353	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
IC421	1203-000165	IC-POS/ADJUST REG.;78R12,TO-220,3P,-		R354	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
IC431	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV		R355	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
IC471	1203-000610	IC-PWM CONTROLLER;494,DIP,16P,300MIL,CER		R357	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
IC481	1203-001217	IC-POS/ADJUST REG.;431,TO-92,3P,4.58MIL		R358	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
IC491	0801-000659	IC-CMOS LOGIC;74HC123,MULTIVIBATOR,DIP,1		R359	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
L351	AA27-10003M	COIL-CHOKE;,.6100uH,J,40,34mA,TELO607R		R360	2001-000857	R-CARBON;5600HM,5%,1/8W,AA,TP,1.8X3.2MM	
L431	AA27-30003M	COIL-LINERITY;,.5uH,OWA14x15,USR0C.1x60,		R361	2001-001191	R-CARBON(S);820KOHM,5%,1/2W,AA,TP,2.4X6.	
L432	AA27-40001V	COIL-HORIZ.WIDTH;,.600uH,DR1420,PI.45,-		R362	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
L481	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400		R363	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
L482	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400		R364	2001-000938	R-CARBON;680HM,5%,1/8W,AA,TP,1.8X3.2MM	
Q301	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T		R365	2001-001120	R-CARBON(S);3.30HM,5%,1/2W,AA,TP,2.4X6.4	
Q342	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T		R366	2001-000109	R-CARBON(S);4700HM,5%,1/2W,AA,TP,2.4X6.4	
Q343	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T		R367	2001-000087	R-CARBON(S);120KOHM,5%,1/2W,AA,TP,2.4X6.	
Q344	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,TO-92,T		R368	2001-001081	R-CARBON(S);160KOHM,5%,1/2W,AA,TP,2.4X6.	
Q350	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T		R369	2001-001081	R-CARBON(S);160KOHM,5%,1/2W,AA,TP,2.4X6.	
Q351	0501-000283	TR-SMALL SIGNAL;KSA539,NPN,400mW,TO-92,T		R370	2001-001065	R-CARBON(S);110KOHM,5%,1/2W,AA,TP,2.4X6.	

Loc. No.	Code No.	Description : Specification	Remark	Loc. No.	Code No.	Description : Specification	Remark
R371	2001-001065	R-CARBON(S);110KOHM,5%,1/2W,AA,TP,2.4X6.		R461	2001-000302	R-CARBON;100HM,5%,1/8W,AA,TP,1.8X3.2MM	
R372	2001-001110	R-CARBON(S);240KOHM,5%,1/2W,AA,TP,2.4X6.		R462	2003-000744	R-METAL OXIDE(S);56ohm,5%,2W,AA,TP,4x12mm	
R373	2001-001110	R-CARBON(S);240KOHM,5%,1/2W,AA,TP,2.4X6.		R463	2003-000429	R-METAL OXIDE(S);1.5Kohm,5%,2W,AA,TP,4x1	
R374	2001-001110	R-CARBON(S);240KOHM,5%,1/2W,AA,TP,2.4X6.		R464	2003-000401	R-METAL OXIDE(S);0.68ohm,5%,1W,AA,TP,3.3	
R375	2001-001113	R-CARBON(S);270KOHM,5%,1/2W,AA,TP,2.4X6.		R465	2008-001091	R-FUSIBLE(S);0.470HM,10%,1/2W,AC,BK,2.5X	
R376	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M		R466	2004-001376	R-METAL(S);11Kohm,1%,1/2W,AA,TP,2.4x6.4m	
R377	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5		R467	2004-002022	R-METAL(S);51Kohm,1%,1/2W,AA,TP,2.4x6.4m	
R378	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5		R468	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
R379	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5		R469	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R380	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5		R469A	2001-001043	R-CARBON(S);00HM,5%,1/2W,AA,TP,2.4X6.4M	
R381	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M		R469B	2001-000028	R-CARBON(S);1000HM,5%,1/2W,AA,TP,2.4X6.4	
R382	2002-001015	R-COMPOSITION;47k,10%,1/2W,AA,TP,3.7x9.0		R470	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
R383	2001-001043	R-CARBON(S);00HM,5%,1/2W,AA,TP,2.4X6.4M		R470A	2004-001395	R-METAL(S);330Kohm,2%,1/2W,AA,TP,2.4x6.4	
R384	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.		R471	2004-002011	R-METAL(S);110Kohm,1%,1/2W,AA,TP,2.4x6.4	
R385	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R471A	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R386	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R472	2001-000080	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R387	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R473	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R388	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R474	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R389	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R474A	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R391	2003-001098	R-METAL OXIDE(S);22Kohm,5%,3W,AA,TP,6x16		R475	2001-000605	R-CARBON;3.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R395	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		R475A	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R397	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R475B	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R398	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R476	2004-004046	R-METAL(S);430Kohm,1%,1/2W,AA,TP,2.5x6.5	
R4000	2004-001379	R-METAL(S);12Kohm,1%,1/2W,AA,TP,2.4x6.4m		R476A	2004-004046	R-METAL(S);430Kohm,1%,1/2W,AA,TP,2.5x6.5	
R4001	2004-002011	R-METAL(S);110Kohm,1%,1/2W,AA,TP,2.4x6.4		R476B	2004-002018	R-METAL(S);220Kohm,1%,1/2W,AA,TP,2.4x6.4	
R406	2004-001983	R-METAL(S);2.49Kohm,1%,1/2W,AA,TP,2.4x6.		R476C	2004-002017	R-METAL(S);190Kohm,1%,1/2W,AA,TP,2.4x6.4	
R407	2004-001897	R-METAL(S);43.2Kohm,1%,1/2W,AA,TP,2.5x6.		R477	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R408	2004-002016	R-METAL(S);15Kohm,1%,1/2W,AA,TP,2.5x6.5m		R478	2004-002017	R-METAL(S);190Kohm,1%,1/2W,AA,TP,2.4x6.4	
R409	2004-001394	R-METAL(S);2Kohm,1%,1/2W,AA,TP,2.4x6.4mm		R479	2001-000005	R-CARBON;3900HM,5%,1/8W,AA,TP,1.8X3.2MM	
R410	2001-000109	R-CARBON(S);4700HM,5%,1/2W,AA,TP,2.4X6.4		R480	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R412	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R481	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R413	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM		R482	2001-001031	R-CARBON;91KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R414	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R483	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R415	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		R484	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R416	2001-000006	R-CARBON;2.4KOHM,5%,1/8W,AA,TP,1.8X3.2M		R485	2008-001096	R-FUSIBLE(S);3.30HM,5%,1/2W,AC,BK,2.5X6.	
R419	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		R486	2003-000005	R-METAL OXIDE(S);1ohm,5%,2W,AA,TP,4x12mm	
R420	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		R487	2001-000924	R-CARBON;6800HM,5%,1/8W,AA,TP,1.8X3.2MM	
R421	2001-001077	R-CARBON(S);1500HM,5%,1/2W,AA,TP,2.4X6.4		R488	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R422	2001-000832	R-CARBON;5100HM,5%,1/8W,AA,TP,1.8X3.2MM		R489	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R423	2001-000869	R-CARBON;560HM,5%,1/8W,AA,TP,1.8X3.2MM		R490	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R424	2008-000299	R-FUSIBLE(S);47ohm,5%,2W,AF,TP,3.9x10mm		R491	2001-001178	R-CARBON(S);6800HM,5%,1/2W,AA,TP,2.4X6.4	
R425	2003-000417	R-METAL OXIDE(S);1.2Kohm,5%,3W,AA,TP,6x1		R492	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R426	2003-001038	R-METAL OXIDE(S);4.7ohm,5%,2W,AF,TP,3.9		R493	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R427	2003-000394	R-METAL OXIDE(S);0.39ohm,5%,2W,AA,TP,4x1		R494	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
R428	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m		R495	2001-000037	R-CARBON(S);3300HM,5%,1/2W,AA,TP,2.4X6.4	
R429	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12		R496	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R430	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12		R497	2001-000003	R-CARBON;3300HM,5%,1/8W,AA,TP,1.8X3.2MM	
R433	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.		R498	2001-001070	R-CARBON(S);1200HM,5%,1/2W,AA,TP,2.4X6.4	
R434	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.		R499	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R437	2008-000259	R-FUSIBLE(S);1.8ohm,5%,2W,AA,TP,3.9x10mm		SG301	AA27-90001B	COIL-SPARK,GAP,S-23.1.5KV,-,-	
R437A	2008-001096	R-FUSIBLE(S);3.30HM,5%,1/2W,AC,BK,2.5X6.		T431	AA26-50001U	TRANS-HORIZ DRIVE,-,28mh,105uh,4uh,ER28x	
R438	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.		T432	AA26-90002F	TRANS-DUMMY;,-1.3mh,1.1uh,108/32/214/8,E	
R439	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.		T444	AA26-30005A	TRANS-FLYBACK;,-,FWZ-50A001,50,108V	
R440	2008-001091	R-FUSIBLE(S);0.470HM,10%,1/2W,AC,BK,2.5X		T461	AA26-50001V	TRANS-HORIZ DRIVE;,-,6.0mh,113uh,4uh,EI19	
R441	2008-000282	R-FUSIBLE(S);0.47ohm,5%,1W,AA,TP,3.9x12mm		T481	AA26-50001W	TRANS-HORIZ DRIVE;,-,830uh,23uh,4uh,EL-30	
R441A	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x		VR471	2103-000676	VR-SEMI;50Kohm,25%,1/5W,TOP	
R442	2008-001091	R-FUSIBLE(S);0.470HM,10%,1/2W,AC,BK,2.5X		VR491	2103-000669	VR-SEMI;10Kohm,25%,1/5W,TOP	
R443	2003-000734	R-METAL OXIDE(S);560ohm,5%,2W,AA,TP,4x12		AA95-00088A	ASSY-PCB,UP/DOWN SCALE;,-,GPM-51,P52A,-		
R443A	2003-000734	R-METAL OXIDE(S);560ohm,5%,2W,AA,TP,4x12		CA01	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
R444	2003-000584	R-METAL OXIDE(S);22Kohm,5%,2W,AA,TP,4x12		CA02	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP	
R444A	2001-001129	R-CARBON(S);330KOHM,5%,1/2W,AA,TP,2.4X6.		CA05	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP	
R445	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM		CA09	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
R446	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		CA10	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP	
R447	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M		CA11	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP	
R448	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM		CA12	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP	
R449	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM		CA13	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
R450	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		CA14	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP	
R451	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M		CA15	2203-000239	C-CERAMIC,CHIP;1NF,5%,50V,NPO,TP,2012	
R452	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M		CA16	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
R453	2001-001146	R-CARBON(S);4.70HM,5%,1/2W,AA,TP,2.4X6.4		CA17	2203-000609	C-CERAMIC,CHIP;22NF,10%,50V,X7R,TP,2012	
R454	2001-000761	R-CARBON;4300HM,5%,1/8W,AA,TP,1.8X3.2MM		CA18	2203-000891	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
R455	2001-000761	R-CARBON;4300HM,5%,1/8W,AA,TP,1.8X3.2MM		CA19	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
R456	2001-000761	R-CARBON;4300HM,5%,1/8W,AA,TP,1.8X3.2MM					
R457	2001-001146	R-CARBON(S);4.70HM,5%,1/2W,AA,TP,2.4X6.4					
R458	2001-000995	R-CARBON;8200HM,5%,1/8W,AA,TP,1.8X3.2MM					
R459	2001-001192	R-CARBON(S);8200HM,5%,1/2W,AA,TP,2.4X6.4					
R460	2003-000500	R-METAL OXIDE(S);150ohm,5%,1W,AA,TP,3.3x					

Loc. No.	Code No.	Description ; Specification	Remark	Loc. No.	Code No.	Description ; Specification	Remark
CA20	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM09	2401-001363	C-AL;470uF,20%,16V,GPT,10x12.5,5	
CA21	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM10	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA22	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012		CM11	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA23	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012		CM12	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA24	2203-000891	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,2012		CM13	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA25	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012		CM14	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA26	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM15	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA27	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM16	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA28	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012		CM17	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA29	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012		CM18	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA30	2203-000891	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,2012		CM19	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA31	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012		CM20	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA32	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM21	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA33	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM22	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA34	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM23	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA35	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		CM24	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA36	2203-000444	C-CERAMIC,CHIP;1nf,10%,50V,X7R,TP,2012,-		CM25	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-	
CA37	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM26	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-	
CA38	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM27	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
CA39	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CM28	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA40	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		CM29	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
CA41	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CN01	3711-003630	CONNECTOR-HEADER;BOX,32P,2R,2.54mm,ANGLE	
CA42	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		CN02	3711-003630	CONNECTOR-HEADER;BOX,32P,2R,2.54mm,ANGLE	
CA43	2203-000444	C-CERAMIC,CHIP;1nf,10%,50V,X7R,TP,2012,-		CU01	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA44	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CU02	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA45	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		CU03	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA46	2203-000444	C-CERAMIC,CHIP;1nf,10%,50V,X7R,TP,2012,-		CU04	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA47	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CU05	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA48	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		CU06	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
CA49	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		CU07	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
CA50	2203-000444	C-CERAMIC,CHIP;1nf,10%,50V,X7R,TP,2012,-		CU08	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CA51	2203-003631	C-CERAMIC,CHIP;150pF,5%,50V,NPO,TP,2012,		CU15	2203-001002	C-CERAMIC,CHIP;.047nF,5%,50V,NPO,TP,2012,	
CA52	2203-000802	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,2012		CU16	2203-001002	C-CERAMIC,CHIP;.047nF,5%,50V,NPO,TP,2012	
CA53	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		DM01	0601-001143	LED;CHIP,GRN,1.4x1.25mm,570nm	
CA54	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		DM02	0601-001351	LED;CHIP,RED,1.2x1.25MM,660NM	
CA55	2203-000444	C-CERAMIC,CHIP;1nf,10%,50V,X7R,TP,2012,-		DZ101	0403-001016	DIODE-ZENER;RLZ6.2B,6.2V,5.96-6.27V,400m	
CA56	2203-001002	C-CERAMIC,CHIP;.047nF,5%,50V,NPO,TP,2012		DZ102	0403-001016	DIODE-ZENER;RLZ6.2B,6.2V,5.96-6.27V,400m	
CA57	2203-001002	C-CERAMIC,CHIP;.047nF,5%,50V,NPO,TP,2012		DZ103	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
CA58	2203-001002	C-CERAMIC,CHIP;.047nF,5%,50V,NPO,TP,2012		DZ104	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
CA59	2203-000239	C-CERAMIC,CHIP;1NF,5%,50VNPO,TP,2012		DZ105	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
CA60	2404-000275	C-TA,CHIP;100uF,10%,10V,GPT,TP,7343		DZ106	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
CA61	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012		DZ107	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
CC01	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		DZ108	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
CC02	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		DZ109	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
CC05	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		DZ110	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
CC06	2203-000683	C-CERAMIC,CHIP;27pF,5%,50VNPO,TP,2012,-		DZ111	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
CC07	2203-000429	C-CERAMIC,CHIP;18pF,5%,50VNPO,TP,2012,-		FA01	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CC08	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		FA02	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CC09	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA03	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CC10	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA04	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CC11	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA05	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CC12	2203-000239	C-CERAMIC,CHIP;1NF,5%,50VNPO,TP,2012		FA06	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CC13	2203-000239	C-CERAMIC,CHIP;1NF,5%,50VNPO,TP,2012		FA07	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF02	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA08	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF03	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA09	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF04	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA10	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF05	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA11	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF06	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA12	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF07	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA13	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF08	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA14	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF09	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA15	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF10	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA16	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF11	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA17	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF12	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA18	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF13	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		FA19	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2	
CF14	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		ICA01	0803-000118	IC-TTL;74F14,INVERTER,SOP,14P,150MIL,	
CF15	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		ICA02	0803-000123	IC-TTL;74F125,BUFFER,SOP,14P,150MIL,Q	
CF16	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		ICA04	0802-001009	IC-BICMOS LOGIC;74ABT125,BUFFER,SOP,14P,	
CF17	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		ICA05	1002-001099	IC-A/D CONVERTER;TDA8752,8BIT,QFP,100P,	
CF18	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		ICA06	1203-000187	IC-POSI.ADJUST REG.;431,TO-92,3P,-PLAST	
CF19	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		ICCO1	0902-001218	IC-MICROPROCESSOR;89C51,8BIT,DIP,40P,600	
CM01	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		ICCO2	1103-000139	IC-EEPROM;24C16,2KX8BIT,DIP,8P,300MIL,10	
CM02	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		ICCO3	1204-001251	IC-OSD PROCESSOR;MC141544DWR2,SOP,24P,15	
CM03	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		ICCO4	1203-000641	IC-RESET;7442,TO-92,3P,-PLASTIC,-0.3/7	
CM04	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		ICFO1	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
CM05	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		ICFO2	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
CM06	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		ICFO3	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	

Loc. No.	Code No.	Description ; Specification	Remark	Loc. No.	Code No.	Description ; Specification	Remark	
ICM01	1003-001231	IC-LCD CONTROLLER;MX88282FC,PQFP,256P,11		RM28	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
ICM02	1203-001419	IC-VOLTAGE REGULATOR;A931,TO-252,3P,6x		RM29	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
ICU01	1002-001145	IC-D/A CONVERTER;TDA8772H/8,8BIT,OPF,44P		RM30	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
LA01	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM31	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
LA03	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM32	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
LA04	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM33	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
LA05	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM34	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
LA06	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM35	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
LA07	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM36	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
LA08	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM37	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		
LA09	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM38	2007-000947	R-CHIP;470HM,5%,1/10W,DA,TP,2012		
LC01	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM39	2007-000947	R-CHIP;470HM,5%,1/10W,DA,TP,2012		
LC03	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM40	2007-000947	R-CHIP;470HM,5%,1/10W,DA,TP,2012		
LM01	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RM44	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		
LM02	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RU16	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012		
LM03	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RU17	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		
LM04	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RU18	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		
LM05	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RU19	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		
LU01	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RU20	2007-001166	R-CHIP;750HM,5%,1/10W,DA,TP,2012		
LU02	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RU21	2007-001166	R-CHIP;750HM,5%,1/10W,DA,TP,2012		
RA01	2007-001092	R-CHIP;6200HM,5%,1/10W,DA,TP,2012		RU22	2007-001166	R-CHIP;750HM,5%,1/10W,DA,TP,2012		
RA02	2007-001092	R-CHIP;6200HM,5%,1/10W,DA,TP,2012		RU23	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012		
RA07	2007-000593	R-CHIP;220HM,5%,1/10W,DA,TP,2012		XC01	2801-003708	CRYSTAL-UNIT;11.0592MHz,30ppm,28-AAA,16p		
RA08	2007-000593	R-CHIP;220HM,5%,1/10W,DA,TP,2012		XM01	2801-000151	CRYSTAL-UNIT;14.3181MHz,30ppm,28-AAA,30		
RA11	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012		<b>ASSY-PCB,MATRIX,BORD</b>				
RA12	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		*				
RA13	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		AA95-00134A ASSY-PCB,MATRIX,BORD;-;GPM-51,P52A,NTSC,				
RA14	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		B1	AA61-10068A	BRACKET-PCB;-;M2160,SPTE,T0.3,-,-		
RA15	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		B2	AA61-10068A	BRACKET-PCB;-;M2160,SPTE,T0.3,-,-		
RA16	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		CNY01	3711-001283	CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANG		
RA18	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		CNY02	3711-003577	CONNECTOR-HEADER;NOWALL,11P,1R,2.5mm,ANG		
RA19	2007-000593	R-CHIP;220HM,5%,1/10W,DA,TP,2012		CNY03	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54MM,AN		
RA20	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		CY01	2404-000465	C-TA,CHIP;22uf,10%,16V,GP,TP,6032,-		
RA21	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		CY02	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11.5		
RA22	2007-000593	R-CHIP;220HM,5%,1/10W,DA,TP,2012		CY03	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RA23	2007-000593	R-CHIP;220HM,5%,1/10W,DA,TP,2012		CY04	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11.5		
RA33	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		CY05	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RA34	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		CY06	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-		
RA35	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		CY07	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-		
RA36	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		CY08	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP		
RA37	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		CY09	2203-000938	C-CERAMIC,CHIP;47nF,5%,50V,NPO,TP,2012		
RA38	2011-000585	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP		CY10	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-		
RC01	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012		CY11	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-		
RC02	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		CY12	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC03	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		CY14	2404-000151	C-AL,CHIP;1uF,20%,16V,-,TP,3216,-		
RC04	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		CY15	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-		
RC05	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		CY16	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-		
RC06	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		CY17	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC07	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		CY18	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC08	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		CY19	2404-000123	C-TA,CHIP;10uF,20%,16V,-,TP,6032,2.9mm		
RC09	2007-000465	R-CHIP;1KOHM,1%,1/10W,DA,TP,2012		CY20	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC10	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		CY21	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP		
RC14	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		CY22	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201		
RC15	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		CY23	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC16	2007-001097	R-CHIP;62Kohm,5%,1/10W,DA,TP,2012		CY24	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC17	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012		CY25	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC19	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		CY26	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012		
RC20	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		CY27	2203-000802	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,2012		
RC21	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY28	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC22	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY29	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC23	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY30	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC24	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY31	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC25	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY32	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC26	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY33	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RC27	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY34	2203-002442	C-CERAMIC,CHIP;330NF,+80-20%,25V,Y5V,TP		
RC28	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY35	2203-002442	C-CERAMIC,CHIP;330NF,+80-20%,25V,Y5V,TP		
RC29	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY36	2203-002442	C-CERAMIC,CHIP;330NF,+80-20%,25V,Y5V,TP		
RC30	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY37	2203-002442	C-CERAMIC,CHIP;330NF,+80-20%,25V,Y5V,TP		
RC31	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY38	2203-002442	C-CERAMIC,CHIP;330NF,+80-20%,25V,Y5V,TP		
RM02	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012		CY39	2203-002442	C-CERAMIC,CHIP;330NF,+80-20%,25V,Y5V,TP		
RM03	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012		CY40	2203-00192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP		
RM05	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY41	2203-001002	C-CERAMIC,CHIP;047NF,5%,50V,NPO,TP,2012		
RM07	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		CY42	2203-002442	C-CERAMIC,CHIP;330NF,+80-20%,25V,Y5V,TP		
RM11	2007-000947	R-CHIP;470HM,5%,1/10W,DA,TP,2012		CY43	2203-002442	C-CERAMIC,CHIP;330NF,+80-20%,25V,Y5V,TP		
RM12	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012						
RM13	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012						
RM14	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012						

Loc. No.	Code No.	Description ; Specification	Remark	Loc. No.	Code No.	Description ; Specification	Remark
CY44	2203-002442	C-CERAMIC,CHIP,330NF,+80-20%,25V,Y5V,TP,		RY15	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
CY45	2203-002442	C-CERAMIC,CHIP,330NF,+80-20%,25V,Y5V,TP,		RY16	2007-000468	R-CHIP;470HM,5%,1/10W,DA,TP,2012	
CY46	2203-002442	C-CERAMIC,CHIP,330NF,+80-20%,25V,Y5V,TP,		RY17	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
CY47	2203-002442	C-CERAMIC,CHIP,330NF,+80-20%,25V,Y5V,TP,		RY18	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
CY48	2203-000239	C-CERAMIC,CHIP,1NF,5%,50V,NPO,TP,2012		RY19	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
CY49	2203-000239	C-CERAMIC,CHIP,1NF,5%,50V,NPO,TP,2012		RY20	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
CY50	2203-000192	C-CERAMIC,CHIP,100nF,+80-20%,50V,Y5V,TP,		RY21	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY51	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY22	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
CY52	2203-000925	C-CERAMIC,CHIP,470NF,+80-20%,50V,Y5V,TP,		RY23	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY53	2203-000925	C-CERAMIC,CHIP,470NF,+80-20%,50V,Y5V,TP,		RY24	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY54	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY25	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY55	2203-000925	C-CERAMIC,CHIP,470NF,+80-20%,50V,Y5V,TP,		RY26	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY56	2203-000925	C-CERAMIC,CHIP,470NF,+80-20%,50V,Y5V,TP,		RY27	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY57	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY28	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY58	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY29	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
CY59	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY30	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
CY60	2404-000256	C-TA,CHIP,47uF,20%,16V,GP,T,7343		RY31	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
CY61	2203-000192	C-CERAMIC,CHIP,100nF,+80-20%,50V,Y5V,TP,		RY32	2007-000689	R-CHIP;3.3MOHM,5%,1/10W,DA,TP,2012	
CY62	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY33	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY63	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY34	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY64	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY35	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY65	2404-000123	C-TA,CHIP,10uF,20%,16V,,TP,6032,2.9mm		RY36	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY66	2203-000925	C-CERAMIC,CHIP,470NF,+80-20%,50V,Y5V,TP,		RY38	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY67	2404-000123	C-TA,CHIP,10uF,20%,16V,,TP,6032,2.9mm		RY39	2007-000822	R-CHIP;3900HM,5%,1/10W,DA,TP,2012	
CY68	2203-000192	C-CERAMIC,CHIP,100nf,F,+80-20%,50V,Y5V,TP,		RY42	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY69	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY43	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY70	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY44	2007-000822	R-CHIP;3900HM,5%,1/10W,DA,TP,2012	
CY71	2203-000260	C-CERAMIC,CHIP,10NF,10%,50V,X7R,TP,2012		RY45	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY72	2404-000123	C-TA,CHIP,10uF,20%,16V,,TP,6032,2.9mm		RY46	2007-000822	R-CHIP;3900HM,5%,1/10W,DA,TP,2012	
CY73	2203-000192	C-CERAMIC,CHIP,100nf,F,+80-20%,50V,Y5V,TP,		RY47	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY74	2203-000495	C-CERAMIC,CHIP,2.2NF,10%,50V,X7R,TP,2012		RY48	2007-000822	R-CHIP;3900HM,5%,1/10W,DA,TP,2012	
CY75	2203-000495	C-CERAMIC,CHIP,2.2NF,10%,50V,X7R,TP,2012		RY49	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
CY76	2203-000142	C-CERAMIC,CHIP,1.5NF,10%,50V,X7R,TP,2012		RY50	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
CY85	2203-000444	C-CERAMIC,CHIP,1nf,10%,50V,X7R,TP,2012,		RY51	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
CY86	2203-000192	C-CERAMIC,CHIP,100nf,F,+80-20%,50V,Y5V,TP,		RY52	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
DY01	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8		RY53	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
DY02	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8		RY54	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
DY03	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP		RY55	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
DY04	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP		RY56	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
DY05	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8		RY57	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
DY09	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP		RY58	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
DY10	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP		RY59	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
DZY01	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.8-5.04V,200m		RY68	2007-001092	R-CHIP;6200HM,5%,1/10W,DA,TP,2012	
DZY05	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.8-5.04V,200m		RY71	2007-000465	R-CHIP;1KOHM,1%,1/10W,DA,TP,2012	
DZY06	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.8-5.04V,200m		RY72	2007-000465	R-CHIP;1KOHM,1%,1/10W,DA,TP,2012	
DZY07	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.8-5.04V,200m		RY73	2007-001201	R-CHIP;8200HM,5%,1/10W,DA,TP,2012	
ICY01	1204-001372	IC-HOR./VER.PROCESSO;SDA9361,QFP,44P,-P		RY74	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
ICY05	1001-001034	IC-VIDEO SWITCH;CXA2010Q,-QFP,64P,-SIN		RY75	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
ICY06	1204-001214	IC-CHROMA;CXA18390,QFP,48P,-PLASTIC,11V		RY78	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
ICY07	0801-002319	IC-CMOS LOGIC;74HCT221,MULTIVIBRATOR,SOP		RY79	2007-000030	R-CHIP;5600HM,5%,1/10W,DA,TP,2012	
LY01	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RY80	2007-000572	R-CHIP;2200HM,5%,1/10W,DA,TP,2012	
LY02	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm		RY81	2007-001166	R-CHIP;750HM,5%,1/10W,DA,TP,2012	
LY03	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm		RY82	2007-000822	R-CHIP;3900HM,5%,1/10W,DA,TP,2012	
LY04	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm		RY83	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
QY02	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23		RY84	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
QY03	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-		RY85	2007-000931	R-CHIP;4700HM,5%,1/10W,DA,TP,2012	
QY04	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23		RY86	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
QY05	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23		RY87	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
QY06	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23		RY88	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
QY07	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23		RY89	2007-000822	R-CHIP;3900HM,5%,1/10W,DA,TP,2012	
QY08	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-		RY90	2007-000947	R-CHIP;470HM,5%,1/10W,DA,TP,2012	
QY09	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-		RY93	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
QY11	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23		RY94	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012	
RY01	2001-000016	R-CARBON(S);10HM,5%,1/2W,AA,TP,2.4X6.4MM		X202	2801-003811	CRYSTAL-UNIT;24.576MHZ,20PPM,28-AAM,30PF	
RY02	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		XY01	2801-003811	CRYSTAL-UNIT;24.576MHZ,20PPM,28-AAM,30PF	
RY03	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012					
RY04	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012					
RY05	2007-000947	R-CHIP;470HM,5%,1/10W,DA,TP,2012					
RY06	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012					
RY07	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012					
RY08	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012					
RY09	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012		CN202	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
RY10	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012		CN803	3711-000628	CONNECTOR-HEADER;-,11P,1R,2.5mm,STRAIG	
RY11	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		CNW13	AA39-20010J	LEAD CONNECTOR-ASSY;-,YFH800-01,S,1P,120	
RY12	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012		CNW202	AA39-20032C	LEAD CONNECTOR-ASSY;-,67096-012,S,12P,40	
RY13	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012		CNW803	AA39-20160E	LEAD CONNECTOR-ASSY;-,67096-011,S,11P,14	
RY14	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		CN201	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	

**ASSY-PCB,CONV AMP**

*	AA95-00169A	ASSY-PCB,CONV AMP;-,GPM-51,P52A,-,-
CN202	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG
CN803	3711-000628	CONNECTOR-HEADER;-,11P,1R,2.5mm,STRAIG
CNW13	AA39-20010J	LEAD CONNECTOR-ASSY;-,YFH800-01,S,1P,120
CNW202	AA39-20032C	LEAD CONNECTOR-ASSY;-,67096-012,S,12P,40
CNW803	AA39-20160E	LEAD CONNECTOR-ASSY;-,67096-011,S,11P,14
CN201	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG

Loc. No.	Code No.	Description : Specification	Remark	Loc. No.	Code No.	Description : Specification	Remark
CNZ02	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI		RZ113	2001-000591	R-CARBON;3.3KOHM,5%,1/BW,AA,TP,1.8X3.2M	
CZ101	2401-001429	C-AL;470uF,20%,50V,GP,TP,13x20.5		RZ114	2001-000857	R-CARBON;5600HM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ101A	2201-000472	C-CERAMIC,DISC;330pF,5%,50V,SL,TP,8x3.5,		RZ115	2001-000591	R-CARBON;3.3KOHM,5%,1/BW,AA,TP,1.8X3.2M	
CZ102	2401-001429	C-AL;470uF,20%,50V,GP,TP,13x20.5		RZ116	2001-000857	R-CARBON;5600HM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ102A	2201-000472	C-CERAMIC,DISC;330pF,5%,50V,SL,TP,8x3.5,		RZ117	2001-000591	R-CARBON;3.3KOHM,5%,1/BW,AA,TP,1.8X3.2M	
CZ103	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20.5		RZ118	2001-000857	R-CARBON;5600HM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ105	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20.5		RZ119	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AA,TP,4x12	
CZ106	2201-000982	C-CERAMIC,DISC,10nF,+80-20%,50V,Y5V,TP,6		RZ120	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AA,TP,4x12	
CZ107	2201-000982	C-CERAMIC,DISC,10nF,+80-20%,50V,Y5V,TP,6		RZ121	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AA,TP,4x12	
CZ108	2201-000499	C-CERAMIC,DISC,390pF,5%,50V,SL,TP,8x3.5,		RZ122	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AA,TP,4x12	
CZ109	2201-000499	C-CERAMIC,DISC,390pF,5%,50V,SL,TP,8x3.5,		RZ123	2003-002137	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
CZ110	2201-000499	C-CERAMIC,DISC,390pF,5%,50V,SL,TP,8x3.5,		RZ124	2003-002137	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
CZ111	2201-000976	C-CERAMIC,DISC,22pF,5%,50V,CH,TP,5.0x3.0		RZ125	2003-002138	R-METAL OXIDE;3.3ohm,2%,2W,AA,TP,3.9x10m	
CZ112	2201-000863	C-CERAMIC,DISC,680pF,10%,50V,Y5P,TP,5x3,		RZ126	2003-002138	R-METAL OXIDE;3.3ohm,2%,2W,AA,TP,3.9x10m	
CZ113	2201-000976	C-CERAMIC,DISC,22pF,5%,50V,CH,TP,5.0x3.0		RZ127	2003-002137	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
CZ114	2201-000863	C-CERAMIC,DISC,680pF,10%,50V,Y5P,TP,5x3,		RZ128	2003-002137	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
CZ115	2201-000976	C-CERAMIC,DISC,22pF,5%,50V,CH,TP,5.0x3.0		RZ129	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
CZ116	2201-000863	C-CERAMIC,DISC,680pF,10%,50V,Y5P,TP,5x3,		RZ129A	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
CZ123	2201-000146	C-CERAMIC,DISC,100pF,5%,50V,SL,TP,5x3.5		RZ130	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
CZ124	2201-000146	C-CERAMIC,DISC,100pF,5%,50V,SL,TP,5x3.5		RZ130A	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
CZ125	2201-000146	C-CERAMIC,DISC,100pF,5%,50V,SL,TP,5x3.5		RZ131	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
CZ126	2201-000499	C-CERAMIC,DISC,390pF,5%,50V,SL,TP,8x3.5,		RZ131A	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
CZ127	2201-000499	C-CERAMIC,DISC,390pF,5%,50V,SL,TP,8x3.5,		RZ132	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
CZ128	2201-000499	C-CERAMIC,DISC,390pF,5%,50V,SL,TP,5x3.5		RZ132A	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
CZ129	2201-000146	C-CERAMIC,DISC,100pF,5%,50V,SL,TP,5x3.5		RZ133	2001-000563	R-CARBON;27KOHM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ130	2201-000146	C-CERAMIC,DISC,100pF,5%,50V,SL,TP,5x3.5		RZ134	2001-000563	R-CARBON;27KOHM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ131	2201-000146	C-CERAMIC,DISC,100pF,5%,50V,SL,TP,5x3.5		RZ135	2001-000563	R-CARBON;27KOHM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ132	2201-000976	C-CERAMIC,DISC,22pF,5%,50V,CH,TP,5.0x3.0		RZ136	2001-000591	R-CARBON;5600HM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ133	2201-000863	C-CERAMIC,DISC,680pF,10%,50V,Y5P,TP,5x3,		RZ137	2001-000857	R-CARBON;5600HM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ134	2201-000976	C-CERAMIC,DISC,22pF,5%,50V,CH,TP,5.0x3.0		RZ138	2001-000591	R-CARBON;3.3KOHM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ135	2201-000863	C-CERAMIC,DISC,680pF,10%,50V,Y5P,TP,5x3,		RZ139	2001-000857	R-CARBON;5600HM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ136	2201-000976	C-CERAMIC,DISC,22pF,5%,50V,CH,TP,5.0x3.0		RZ140	2001-000591	R-CARBON;3.3KOHM,5%,1/BW,AA,TP,1.8X3.2MM	
CZ137	2201-000863	C-CERAMIC,DISC,680pF,10%,50V,Y5P,TP,5x3,		RZ141	2001-000857	R-CARBON;5600HM,5%,1/BW,AA,TP,1.8X3.2MM	
DZ102	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ142	2003-002137	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
DZ103	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ143	2003-002137	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
DZ104	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ144	2003-002137	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
DZ105	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ145	2003-002137	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
DZ106	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ146	2003-002138	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
DZ107	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ147	2003-002138	R-METAL OXIDE;3.9ohm,2%,2W,AA,TP,3.9x10m	
DZ108	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ148	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
DZ109	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ148A	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
DZ110	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ149	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
DZ111	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ149A	2003-000502	R-METAL OXIDE(S);150ohm,5%,2W,AA,TP,4x12	
DZ112	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ150	2003-000455	R-METAL OXIDE(S);100ohm,5%,2W,AA,TP,4x12	
DZ113	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,		RZ151	2003-000455	R-METAL OXIDE(S);100ohm,5%,2W,AA,TP,4x12	
DZ126	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T		RZ152	2003-000455	R-METAL OXIDE(S);100ohm,5%,2W,AA,TP,4x12	
DZ127	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T		RZ153	2003-000455	R-METAL OXIDE(S);100ohm,5%,2W,AA,TP,4x12	
ICZ103	1201-001225	IC-VIDEO AMP;392,SIP,22P,300MIL,THREE,-		* AA95-00183A		ASSY-PCB, CONTROL	
ICZ104	1201-001225	IC-VIDEO AMP;392,SIP,22P,300MIL,THREE,-					
LZ101	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400					
LZ102	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400					
LZ103	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm					
LZ104	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm					
LZ107	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm					
LZ108	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm					
LZ109	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm					
LZ110	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm					
LZ111	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm					
LZ112	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm					
PCBCON	AA61-11020A	BRACKET;-,STS,TO 5,WHT,-					
PCBCON	6003-000333	SCREW-TAPITTE;RHW,+,2S,M3,L10,ZPC(YEL),SW					
PCBCON	6003-001023	SCREW-TAPITTE;RHW,+,2S,M3,L10,ZPC(YEL),SW					
RFZ01	3601-001065	FUSE-FERRULE;125V,3.5A,FA,CERAMIC,2.4X7.					
RZ101	2001-000429	R-CARBON;1KOHM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ101A	2001-000281	R-CARBON;100OHM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ102	2001-000429	R-CARBON;1KOHM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ102A	2001-000281	R-CARBON;100OHM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ103	2001-000429	R-CARBON;1KOHM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ104	2001-000554	R-CARBON;2700HM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ105	2001-000554	R-CARBON;2700HM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ106	2001-000554	R-CARBON;2700HM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ107	2001-000554	R-CARBON;2700HM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ108	2001-000554	R-CARBON;2700HM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ109	2001-000554	R-CARBON;27KOHM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ110	2001-000563	R-CARBON;27KOHM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ111	2001-000563	R-CARBON;27KOHM,5%,1/BW,AA,TP,1.8X3.2MM					
RZ112	2001-000563	R-CARBON;27KOHM,5%,1/BW,AA,TP,1.8X3.2MM					

Loc. No.	Code No.	Description : Specification	Remark	Loc. No.	Code No.	Description : Specification	Remark
CC030	2201-000376	C-CERAMIC,DISC,220pF,5%,50V,SL,TP,4x4,5		C109	2203-000239	C-CERAMIC,CHIP,:1nF,5%,50V,NPO,TP,2012	
CC031	2201-000376	C-CERAMIC,DISC,220pF,5%,50V,SL,TP,4x4,5		C110	2404-000160	C-TA,CHIP,1uF,20%,50V,GP,TP,6032	
CC032	2201-000376	C-CERAMIC,DISC,220pF,5%,50V,SL,TP,4x4,5		C111	2203-000274	C-CERAMIC,CHIP;10pF,0.25pF,50V,NPO,TP,20	
CC033	2201-000376	C-CERAMIC,DISC,220pF,5%,50V,SL,TP,4x4,5		C112	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CC034	2201-000376	C-CERAMIC,DISC,220pF,5%,50V,SL,TP,4x4,5		C113	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CC035	2201-000375	C-CERAMIC,DISC,220pF,5%,50V,RH,TP,9.5x3		C114	2203-001002	C-CERAMIC,CHIP;.047nF,5%,50V,NPO,TP,2012	
CC036	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5		C115	2203-001002	C-CERAMIC,CHIP;.047nF,5%,50V,NPO,TP,2012	
CC037	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5		C116	2203-000727	C-CERAMIC,CHIP;3.9nF,10%,50V,X7R,TP,2012	
CC038	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5		C117	2404-000275	C-TA,CHIP;100uF,10%,10V,GP,TP,7343	
CN907	3711-003641	CONNECTOR-HEADER,BOX,12P,1R,2.5mm,STRAIG		C118	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CN908	3711-002644	CONNECTOR-HEADER,BOX,5P,1R,2.5mm,STRAIGH		C119	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
CNP01	3701-000003	CONNECTOR-DSUB,15P,3R,FEMALE,ANGLE,AUF		C120	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
CNP02	3711-000988	CONNECTOR-HEADER,BOX,5P,1R,2mm,ANGLE,SN		C122	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
DZ001	0403-000297	DIODE-ZENER,MTZ6.2B,6.2V,5.96-6.27V,500m		C124	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
DZ002	0403-000297	DIODE-ZENER,MTZ6.2B,6.2V,5.96-6.27V,500m		C125	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
DZ003	0403-000297	DIODE-ZENER,MTZ6.2B,6.2V,5.96-6.27V,500m		C126	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
IC001	0801-000314	IC-CMOS LOGIC,74HCT86,OR GATE,DIP,14P30		C127	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
IC002	1204-001510	IC-SEPARATOR;EL4583CN,DIP,16P,-,PLASTIC,		C128	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
LC001	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm		C129	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
QC001	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TQ-92,T		C130	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
QC002	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TQ-92,T		C131	2404-000275	C-TA,CHIP;100uF,10%,10V,GP,TP,7343	
QC003	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TQ-92,T		C132	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
QC004	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TQ-92,T		C133	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
QC005	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TQ-92,T		C134	2404-000275	C-TA,CHIP;100uF,10%,10V,GP,TP,7343	
RC001	2001-001187	R-CARBON(S);750HM,5%,1/2W,AA,TP,2.4X6.4M		C135	2404-000275	C-TA,CHIP;100uF,10%,10V,GP,TP,7343	
RC002	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M		C136	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
RC003	2001-000761	R-CARBON;4300HM,5%,1/8W,AA,TP,1.8X3.2MM		C137	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
RC004	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C138	2404-000275	C-TA,CHIP;100uF,10%,10V,GP,TP,7343	
RC005	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M		C139	2404-000275	C-TA,CHIP;100uF,10%,10V,GP,TP,7343	
RC006	2001-000869	R-CARBON;560HM,5%,1/8W,AA,TP,1.8X3.2MM		C140	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
RC007	2001-000969	R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM		C141	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
RC008	2001-001187	R-CARBON(S);750HM,5%,1/2W,AA,TP,2.4X6.4M		C142	2404-000275	C-TA,CHIP;100uF,10%,10V,GP,TP,7343	
RC009	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M		C143	2404-000123	C-TA,CHIP;10uF,20%,16V,-,TP,6032,2.9mm	
RC010	2001-000761	R-CARBON;4300HM,5%,1/8W,AA,TP,1.8X3.2MM		C144	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
RC011	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C145	2203-000408	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,2012,	
RC012	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M		C146	2203-000408	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,2012,	
RC013	2001-000869	R-CARBON;560HM,5%,1/8W,AA,TP,1.8X3.2MM		C147	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
RC014	2001-000969	R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM		C148	2203-000408	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,2012,	
RC015	2001-001187	R-CARBON(S);750HM,5%,1/2W,AA,TP,2.4X6.4M		C149	2203-000408	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,2012,	
RC016	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M		C150	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
RC017	2001-000761	R-CARBON;4300HM,5%,1/8W,AA,TP,1.8X3.2MM		C151	2203-000408	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,2012,	
RC018	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C152	2203-000408	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,2012,	
RC019	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M		C153	2404-000275	C-TA,CHIP;100uF,10%,10V,GP,TP,7343	
RC020	2001-000869	R-CARBON;560HM,5%,1/8W,AA,TP,1.8X3.2MM		C154	2404-000123	C-TA,CHIP;10uF,20%,16V,-,TP,6032,2.9mm	
RC021	2001-000969	R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM		C155	2203-000126	C-CERAMIC,CHIP;1.2nF,10%,50V,X7R,TP,2012	
RC022	2001-000376	R-CARBON;150HM,5%,1/8W,AA,TP,1.8X3.2MM		C156	2203-000126	C-CERAMIC,CHIP;1.2nF,10%,50V,X7R,TP,2012	
RC023	2001-000376	R-CARBON;150HM,5%,1/8W,AA,TP,1.8X3.2MM		C157	2203-000126	C-CERAMIC,CHIP;1.2nF,10%,50V,X7R,TP,2012	
RC024	2001-000376	R-CARBON;150HM,5%,1/8W,AA,TP,1.8X3.2MM		C158	2203-000126	C-CERAMIC,CHIP;1.2nF,10%,50V,X7R,TP,2012	
RC025	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C159	2203-000126	C-CERAMIC,CHIP;1.2nF,10%,50V,X7R,TP,2012	
RC026	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C160	2203-000126	C-CERAMIC,CHIP;1.2nF,10%,50V,X7R,TP,2012	
RC027	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C161	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
RC028	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C162	2203-001077	C-CERAMIC,CHIP;.056nF,5%,50V,NPO,TP,2012	
RC029	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C163	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
RC030	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C164	2203-001214	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,2012	
RC031	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		C165	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
RC032	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C166	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
RC033	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M		C167	2203-001214	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,2012	
RC034	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		C168	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
RC037	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C169	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	
RC038	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C170	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
RC054	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M		C171	2203-001214	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,2012	
RC055	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		C172	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
RC056	2001-000527	R-CARBON;220HM,5%,1/8W,AA,TP,1.8X3.2MM		C173	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
RC057	2001-000527	R-CARBON;220HM,5%,1/8W,AA,TP,1.8X3.2MM		C174	2203-001214	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,2012	
RC058	2001-000527	R-CARBON;220HM,5%,1/8W,AA,TP,1.8X3.2MM		C175	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
SWC01	3408-001048	SWITCH-SLIDE;30V,0.2A,DP4T,OFF-ON,-		C176	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
SWC02	3408-001048	SWITCH-SLIDE;30V,0.2A,DP4T,OFF-ON,-		C177	2203-001214	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,2012,-	
	AA95-90038T	ASSY-PCB,CONV.MDL;-,SVP-431JM,KPM51A,NTS		C178	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
* C103	2203-000239	C-CERAMIC,CHIP;1nF,5%,50V,NPO,TP,2012		C179	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
C104	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012		C180	2203-001214	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,2012	
C105	2203-000239	C-CERAMIC,CHIP;1nF,5%,50V,NPO,TP,2012		C181	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C108	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012		C182	2203-001077	C-CERAMIC,CHIP;.056nF,5%,50V,NPO,TP,2012	
				C183	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
				C184	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
				C185	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
				C186	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm	
				C187	2203-001680	C-CERAMIC,CHIP;.68nF,20%,50V,Y5V,TP,2012	

Loc. No.	Code No.	Description : Specification	Remark	Loc. No.	Code No.	Description : Specification	Remark
C188	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		IC141	1103-000139	IC-EEPROM;24C16,2KX8BIT,DIP,8P,300MIL,10	
C189	2404-000125	C-TA,CHIP;10uF,20%,16V,-,TP,5054,1.5mm		IC143	AA13-10002P	IC-ASIC;-,SSVC-1000,QFP,160P,VGA CONVE	
C190	2203-001680	C-CERAMIC,CHIP;68NF,20%,50V,Y5V,TP,2012		IC144	1203-000641	IC-RESET;7442,TO-92,3P,,PLASTIC,-0.3/7	
C191	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm		L100	AA26-10006K	TRANS-IF;-,5CA,IF,1.7uH,5mm,-,16.1MHz,S	
C193	2404-000123	C-TA,CHIP;10uF,20%,16V,-,TP,6032,2.9mm		L102	2703-000248	INDUCTOR-SMD;820uH,5%,3.2x4.5x3.2mm	
C194	2203-001680	C-CERAMIC,CHIP;68NF,20%,50V,Y5V,TP,2012		L103	2703-000248	INDUCTOR-SMD;820uH,5%,3.2x4.5x3.2mm	
C195	2404-000275	C-TA,CHIP;100uF,10%,10V,GP,TP,7343		L104	2703-000248	INDUCTOR-SMD;820uH,5%,3.2x4.5x3.2mm	
C196	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-		L105	2703-000248	INDUCTOR-SMD;820uH,5%,3.2x4.5x3.2mm	
C197	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-		L106	2703-000248	INDUCTOR-SMD;820uH,5%,3.2x4.5x3.2mm	
C198	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-		L107	2703-000248	INDUCTOR-SMD;820uH,5%,3.2x4.5x3.2mm	
C199	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11.5		L108	2703-000395	INDUCTOR-SMD;470uH,5%,4.5x3.2x2.2mm	
C201	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		L109	2703-000395	INDUCTOR-SMD;470uH,5%,4.5x3.2x2.2mm	
C202	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-		L110	2703-000395	INDUCTOR-SMD;470uH,5%,4.5x3.2x2.2mm	
C203	2203-000429	C-CERAMIC,CHIP;18pF,5%,50V,NPO,TP,2012,-		L111	2703-000395	INDUCTOR-SMD;470uH,5%,4.5x3.2x2.2mm	
C207	2203-001680	C-CERAMIC,CHIP;68NF,20%,50V,Y5V,TP,2012		L112	2703-000395	INDUCTOR-SMD;470uH,5%,4.5x3.2x2.2mm	
C208	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-		L113	2703-000395	INDUCTOR-SMD;470uH,5%,4.5x3.2x2.2mm	
C209	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012		L121	2901-000297	FILTER-EMI ON BOARD;-,3A,-,3.5x5,TP,-	
C210	2404-000123	C-TA,CHIP;10uF,20%,16V,-,TP,6032,2.9mm		LEAD/C	AA39-20016G	LEAD CONNECTOR-ASSY;-,87096-003,S,3P,900	
C221	2203-001048	C-CERAMIC,CHIP;560pF,10%,50V,NPO,TP,2012		Q100	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
C222	2203-001048	C-CERAMIC,CHIP;560pF,10%,50V,NPO,TP,2012		Q101	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
C301	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-		Q102	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
C302	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-		Q103	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
C303	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-		Q104	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
C305	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,		Q105	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CN001	3711-003601	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,ANGLE,		Q106	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CN002	3711-000585	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,ANGLE,		Q107	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CN003	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,STRAIGH		Q108	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CNW001	AA39-20032C	LEAD-CONNECTOR,ASSY;-,67096-012,S,12P,40		Q109	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CNW002	AA39-20025E	LEAD-CONNECTOR,ASSY;-,67096-010,S,10P,40		Q110	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP101	2901-000233	FILTER-EMI SMD;50V,300mA,-,330pF,4.5x1.8		Q111	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP102	2901-000233	FILTER-EMI SMD;50V,300mA,-,330pF,4.5x1.8		Q112	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP103	2901-000229	FILTER-EMI SMD;50V,300mA,-,22nF,4.5x1.8x		Q113	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP104	2901-000229	FILTER-EMI SMD;50V,300mA,-,22nF,4.5x1.8x		Q114	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP105	2901-000229	FILTER-EMI SMD;50V,300mA,-,22nF,4.5x1.8x		Q115	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP106	2901-000229	FILTER-EMI SMD;50V,300mA,-,22nF,4.5x1.8x		Q116	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP107	2901-000229	FILTER-EMI SMD;50V,300mA,-,22nF,4.5x1.8x		Q117	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP108	2901-000232	FILTER-EMI SMD;50V,300mA,-,10nF,4.5x1.8x		Q118	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP109	2901-000232	FILTER-EMI SMD;50V,300mA,-,10nF,4.5x1.8x		Q119	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP110	2901-000232	FILTER-EMI SMD;50V,300mA,-,10nF,4.5x1.8x		Q120	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP120	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2		Q121	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP121	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2		Q122	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP122	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2		Q123	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP123	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2		Q124	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP124	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2		Q125	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP125	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2		Q126	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP126	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2		Q127	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
CP127	2901-000226	FILTER-EMI SMD;25V,200mA,-,100pF,3.2x1.2		Q128	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D100	0401-000003	DIODE-SWITCHING;1SS193,80V,100mA,SOT-23,		Q129	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D101	0405-001218	DIODE-VARACTOR;1SV214,30V,10nA,USC,TP		Q130	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D104	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m		Q131	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D105	0401-000003	DIODE-SWITCHING;1SS193,80V,100mA,SOT-23,		Q132	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D106	0401-000003	DIODE-SWITCHING;1SS193,80V,100mA,SOT-23,		Q133	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D110	0401-000008	DIODE-SWITCHING;DAN217,80V,100mA,SOT-23,		Q134	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D111	0401-000003	DIODE-SWITCHING;1SS193,80V,100mA,SOT-23,		Q135	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D112	0401-000008	DIODE-SWITCHING;DAN217,80V,100mA,SOT-23,		Q136	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D113	0401-000003	DIODE-SWITCHING;1SS193,80V,100mA,SOT-23,		Q137	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D114	0401-000008	DIODE-SWITCHING;DAN217,80V,100mA,SOT-23,		Q138	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
D115	0401-000003	DIODE-SWITCHING;1SS193,80V,100mA,SOT-23,		Q139	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
D116	0401-000003	DIODE-SWITCHING;1SS193,80V,100mA,SOT-23,		Q140	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
D117	0401-000003	DIODE-SWITCHING;1SS193,80V,100mA,SOT-23,		Q141	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
D118	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m		Q142	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
D119	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m		Q143	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
D120	0403-001016	DIODE-ZENER;RLZ6.2B,6.2V,5.96-6.27V,400m		Q146	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT	
D200	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m		Q200	0505-000257	FET-SILICON;2SK217,N,-,20mA,-,150mW,SOT	
D201	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m		Q201	0505-000257	FET-SILICON;2SK217,N,-,20mA,-,150mW,SOT	
D202	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m		Q202	0505-000257	FET-SILICON;2SK217,N,-,20mA,-,150mW,SOT	
D203	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m		Q203	0505-000257	FET-SILICON;2SK217,N,-,20mA,-,150mW,SOT	
IC104	1001-000105	IC-ANALOG SWITCH;CD4066BM,BILATERAL CMOS		Q204	0505-000257	FET-SILICON;2SK217,N,-,20mA,-,150mW,SOT	
IC106	1201-000167	IC-OP AMP;358,SOP8,150mIL,DUAL,100V/mV		Q205	0505-000257	FET-SILICON;2SK217,N,-,20mA,-,150mW,SOT	
IC112	AA13-30006B	IC-MCU;-,AT89C52-24,-,DIP,-40,600MI		R100	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP2012	
IC113	1002-000131	IC-A/D&D/A CONVERTER;PCM55HP,16BIT,SOP,2		R101	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP2012	
IC114	1002-000131	IC-A/D&D/A CONVERTER;PCM55HP,16BIT,SOP,2		R102	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP2012	
IC115	1002-000131	IC-A/D&D/A CONVERTER;PCM55HP,16BIT,SOP,2		R103	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP2012	
IC132	0801-001156	IC-CMOS LOGIC;74HC4066,BILATERAL SWITCH,		R104	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP2012	
IC133	0801-001156	IC-CMOS LOGIC;74HC4066,BILATERAL SWITCH,		R105	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP2012	
IC135	1001-000105	IC-ANALOG SWITCH;CD4066BM,BILATERAL CMOS		R106	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP2012	
IC136	1001-000105	IC-ANALOG SWITCH;CD4066BM,BILATERAL CMOS		R107	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP2012	



Loc. No.	Code No.	Description : Specification	Remark	Loc. No.	Code No.	Description : Specification	Remark
R310	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		CNW401	AA39-20027B	LEAD-CONNECTOR,ASSY,-67096-006,S,6P,400	
R311	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		CNW501	AA39-20030B	LEAD-CONNECTOR,ASSY,-67096-008,S,8P,400	
R312	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		CNW502	AA39-20025E	LEAD-CONNECTOR,ASSY,-67096-010,S,10P,40	
R313	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		CNW503	AA39-20025E	LEAD-CONNECTOR,ASSY,-67096-010,S,10P,40	
R314	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		D501	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
R315	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		D502	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
R316	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012		D503	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
R317	2007-00029	R-CHIP;00HM,5%,1/10W,DA,TP,2012		D504	0401-000005	DIODE-SWITCHING;IN4148,100V,200MA,DO-35,	
R321	2007-000290	R-CHIP;1000HM,5%,1/10W,DA,TP,2012		D531	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
R322	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012		D532	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
R324	2007-000029	R-CHIP;00HM,5%,1/10W,DA,TP,2012		D533	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
R325	2007-000029	R-CHIP;00HM,5%,1/10W,DA,TP,2012		D561	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
R328	2007-000029	R-CHIP;00HM,5%,1/10W,DA,TP,2012		D562	0402-000546	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-41,T	
R330	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012		D563	0402-000493	DIODE-ZENER;MTZ3.6B,3.6V,3.6-3.845V,500m	
R331	2007-000029	R-CHIP;00HM,5%,1/10W,DA,TP,2012		DZ501	0403-000546	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
R332	2007-000029	R-CHIP;00HM,5%,1/10W,DA,TP,2012		DZ502	0403-000296	DIODE-ZENER;MTZ13B,13V,12.55-13.21V,500m	
VR124	2103-000689	VR-SEMI;10Kohm,25%,1/5W,TOP		DZ503	0403-000531	DIODE-ZENER;MTZ13B,13V,12.55-13.21V,500m	
X1	2801-001476	CRYSTAL-UNIT;12.0MHz,50ppm,28-ABO,S,30oh		DZ531	0403-000546	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
				DZ532	0403-000296	DIODE-ZENER;MTZ13B,13V,12.55-13.21V,500m	
				DZ533	0403-000531	DIODE-ZENER;MTZ5.6B,3.6V,3.6-3.845V,500m	
				DZ561	0403-000546	DIODE-ZENER;MTZ5.6B,3.6V,3.6-3.845V,500m	
				DZ562	0403-000296	DIODE-ZENER;MTZ13B,13V,12.55-13.21V,500m	
				DZ563	0403-000531	DIODE-ZENER;MTZ13B,13V,12.55-13.21V,500m	
				FOCUS-	AA39-20115A	LEAD-CONNECTOR,ASSY,-BUSHING,-,1P,500,3	
				FOCUS-	AA39-20115A	LEAD-CONNECTOR,ASSY,-BUSHING,-,1P,500,3	
				FOCUS-	AA39-20115A	LEAD-CONNECTOR,ASSY,-BUSHING,-,1P,500,3	
CN905	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,STRAIGH		IC501	1201-001131	IC-VIDEO AMP;6111,SIP,9P,-,SINGLE,-,PLAS	
CN905	AA39-20033K	LEAD CONNECTOR-ASSY,-,67096-03,S,3P,800m		IC531	1201-001131	IC-VIDEO AMP;6111,SIP,9P,-,SINGLE,-,PLAS	
CR01	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11.5		IC561	1201-001131	IC-VIDEO AMP;6111,SIP,9P,-,SINGLE,-,PLAS	
LR01	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm		L501	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
RMR01	AA59-60001Z	MODULE-REMOCON;-,ORC-638V1/SR-5CP2,38KHz		L531	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
RR01	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		L561	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
				LEAD/C	AA39-20009C	LEAD CONNECTOR-ASSY,-,YFH800-01,-,1P,400	
				LEAD/C	AA39-20009E	LEAD CONNECTOR-ASSY,-,YFH800-01,-,1P,600	
				Q501	0502-000006	TR-POWER;KSC1507,NPN,15W,TO-220,TP,120-	
				Q502	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
				Q531	0502-000006	TR-POWER;KSC1507,NPN,15W,TO-220,TP,120-	
				Q561	0502-000006	TR-POWER;KSC1507,NPN,15W,TO-220,TP,120-	
				R501	2001-000302	R-CARBON;100HM,5%,1/8W,AA,TP,1.8X3.2MM	
				R502	2001-001026	R-CARBON;9100HM,5%,1/8W,AA,TP,1.8X3.2MM	
				R503	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R506	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
				R507	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R508	2003-000706	R-METAL OXIDE(S);47Kohm,5%,2W,AA,TP,4.3x	
				R510	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R511	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R513	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
				R514	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.4	
				R515	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
				R516	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R517	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
				R518	2002-001016	R-COMPOSITION;330K,10%,1/2W,AA,TP,3.7x9.	
				R519	2002-001016	R-COMPOSITION;330K,10%,1/2W,AA,TP,3.7x9.	
				R520	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
				R521	2001-000102	R-CARBON(S);1.5MOHM,5%,1/2W,AA,TP,2.4X6.	
				R522	2002-001006	R-COMPOSITION;4.7KOHM,10%,1/2W,AA,TP,3.7	
				R523	2002-001006	R-COMPOSITION;4.7KOHM,10%,1/2W,AA,TP,3.7	
				R524	2001-000028	R-CARBON(S);1000HM,5%,1/2W,AA,TP,2.4X6.4	
				R526	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R527	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R528	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
				R529	2002-001016	R-COMPOSITION;330K,10%,1/2W,AA,TP,3.7x9.	
				R531	2001-000302	R-CARBON;100HM,5%,1/8W,AA,TP,1.8X3.2MM	
				R532	2001-000995	R-CARBON;8200HM,5%,1/8W,AA,TP,1.8X3.2MM	
				R533	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R536	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
				R537	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R538	2003-000706	R-METAL OXIDE(S);47Kohm,5%,2W,AA,TP,4.3x	
				R540	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R541	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R543	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
				R544	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
				R545	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
				R546	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
				R547	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
				R548	2002-001016	R-COMPOSITION;330K,10%,1/2W,AA,TP,3.7x9.	
				R549	2002-001016	R-COMPOSITION;330K,10%,1/2W,AA,TP,3.7x9.	

**ASSY-PCB,PRE AMP****ASSY-PCB,CRT**

Loc. No.	Code No.	Description : Specification	Remark	Loc. No.	Code No.	Description : Specification	Remark
R550	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4		C867	2201-000551	C-CERAMIC,DISC,470pF,10%,1KV,Y5P,TP,8x5,	
R551	2001-001052	R-CARBON(S);1.5MOHM,5%,1/2W,AA,TP,2.4X6.		C868	2401-002271	C-AL;2200uF,20%,63V,GP,BK,18x36mm,7.5	
R552	2002-001006	R-COMPOSITION;4.7KOHM,10%,1/2W,AA,TP,3.7		C869	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
R553	2002-001006	R-COMPOSITION;4.7KOHM,10%,1/2W,AA,TP,3.7		C870	2305-000411	C-FILM,MPEF,470nF,5%,50V,TP,7.3x4.8x5.5m	
R554	2001-000028	R-CARBON(S);1000HM,5%,1/2W,AA,TP,2.4X6.4		C871	2201-000551	C-CERAMIC,DISC,470pF,10%,1KV,Y5P,TP,8x5,	
R559	2002-001016	R-COMPOSITION;330K,10%,1/2W,AA,TP,3.7x9.		C872	2401-000737	C-AL;2200uF,20%,50V,GP,TP,18x35,5.7	
R561	2001-000302	R-CARBON;100HM,5%,1/8W,AA,TP,1.8X3.2MM		C873	2401-000154	C-AL;1000uF,20%,25V,GP,TP,16x26,7.5	
R562	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C874	2201-002028	C-CERAMIC,DISC,470pF,10%,2KV,B,TP,8x6mm,	
R563	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C875	2401-002287	C-AL;470uF,20%,200V,WT,BK,25x40,10	
R566	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M		C876	2401-000818	C-AL;220uF,20%,200V,GP,BK,25x30,10	
R567	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C877	2305-000411	C-FILM,MPEF,470nF,5%,50V,TP,7.3x4.8x5.5m	
R571	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM		C879	2201-000551	C-CERAMIC,DISC,470pF,10%,1KV,Y5P,TP,8x5,	
R572	2003-000706	R-METAL OXIDE(S);47Kohm,5%,2W,AA,TP,4.3x		C880	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
R573	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x		C881	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	
R574	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.		C891	2201-000446	C-CERAMIC,DISC,3.3nf,20%,400V,Y5U,TP,18x	
R575	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m		C892	2201-000446	C-CERAMIC,DISC,3.3nf,20%,400V,Y5U,TP,18x	
R576	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM		C893	2201-000446	C-CERAMIC,DISC,3.3nf,20%,400V,Y5U,TP,18x	
R577	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.		C894	2201-000446	C-CERAMIC,DISC,3.3nf,20%,400V,Y5U,TP,18x	
R578	2002-001016	R-COMPOSITION;330K,10%,1/2W,AA,TP,3.7x9.		CN803	3711-000628	CONNECTOR-HEADER;-11P,1R,2.5mm,STRAIGHT	
R579	2002-001016	R-COMPOSITION;330K,10%,1/2W,AA,TP,3.7x9.		CN804	3711-002648	CONNECTOR-HEADER;BOX,9P,1R,2.5mm,STRAIGH	
R580	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4		CN805	3711-002646	CONNECTOR-HEADER;BOX,7P,1R,2.5mm,STRAIGH	
R581	2001-001052	R-CARBON(S);1.5MOHM,5%,1/2W,AA,TP,2.4X6.		C807	2201-000119	C-CERAMIC,DISC,100nF,+80-20%,50V,Y5V,TP,	
R582	2002-001006	R-COMPOSITION;4.7KOHM,10%,1/2W,AA,TP,3.7		C808	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
R583	2002-001006	R-COMPOSITION;4.7KOHM,10%,1/2W,AA,TP,3.7		CS851	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
R584	2001-000028	R-CARBON(S);1000HM,5%,1/2W,AA,TP,2.4X6.4		CS852	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20,5mm	
R589	2002-001016	R-COMPOSITION;330K,10%,1/2W,AA,TP,3.7x9.		CS853	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
SG501	AA27-900018	COIL-SPARK,GAP,S-23.1.5KV,-,-		D801	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	H/SINK
SG502	AA27-900018	COIL-SPARK,GAP,S-23.1.5KV,-,-		D802	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	H/SINK
SG531	AA27-900018	COIL-SPARK,GAP,S-23.1.5KV,-,-		D804	0402-000549	DIODE-BRIDGE;RBV606,600V,6A,-,BK	
SG532	AA27-900018	COIL-SPARK,GAP,S-23.1.5KV,-,-		D805	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
SG561	AA27-90001B	COIL-SPARK,GAP,S-23.1.5KV,-,-		D806	0402-000549	DIODE-BRIDGE;RBV606,600V,6A,-,BK	H/SINK
SG562	AA27-90001B	COIL-SPARK,GAP,S-23.1.5KV,-,-		D807	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	H/SINK
V501	3704-001019	SOCKET-CRT;10P,29.1P,35.5P,1AU30U		D811	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
V531	3704-001019	SOCKET-CRT;10P,29.1P,35.5P,1AU30U		D812	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
V561	3704-001019	SOCKET-CRT;10P,29.1P,35.5P,1AU30U		D813	0403-000704	DIODE-ZENER;TZP7.5B,7.5V,7.5-8.4V,1W,DO-	
VR501	2101-000321	VR-ROTARY;1Mohm,0.2,0.6W,-,-		D814	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
VR531	2101-000321	VR-ROTARY;1Mohm,0.2,0.6W,-,-		D815	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
VR561	2101-000321	VR-ROTARY;1Mohm,0.2,0.6W,-,-		D816	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
<b>ASSY-PCB,POWER</b>							
*	AA95-00185A	ASSY-PCB,POWER;GPM-51A,P52A,51,-,DOMEST		D817	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
C801	2306-000321	C-FILM,MPPF,470nF,5%,275V,TP,-,22.5mm		D818	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
C802	2306-000321	C-FILM,MPPF,470nF,5%,275V,TP,-,22.5mm		D819	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-3.22V,500m	
C805	2306-000321	C-FILM,MPPF,470nF,5%,275V,TP,-,22.5mm		D820	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
C806	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250VAC,Y5U,TP,1		D821	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
C807	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250VAC,Y5U,TP,1		D822	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
C808	2401-001426	C-AL;470uF,20%,400V,GP,-,35x45mm,10		D831	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
C809	2401-001426	C-AL;470uF,20%,400V,GP,-,35x45mm,10		D832	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
C810	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250VAC,Y5U,TP,1		D833	0403-000704	DIODE-ZENER;TZP7.5B,7.5V,7.5-8.4V,1W,DO-	
C811	2306-000324	C-FILM,MPPF;3.3nf,5%,1.6KV,TP,28.5x13.5		D834	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
C812	2401-003065	C-AL;470uF,20%,50V,LZ,TP,13x25mm,5mm		D835	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
C813	2201-000292	C-CERAMIC,DISC;1nf,10%,50V,Y5P,TP,5x3.5		D836	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
C814	2401-002274	C-AL;220uF,20%,35V,WT,TP,10x12.5.5		D837	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
C815	2401-002262	C-AL;10uF,20%,160V,WT,TP,10x20.5		D838	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
C816	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250VAC,Y5U,TP,1		D839	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-3.22V,500m	
C817	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250VAC,Y5U,TP,1		D840	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
C818	2201-000467	C-CERAMIC,DISC;330pF,10%,2KV,Y5P,TP,8x6,		D841	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
C831	2306-000323	C-FILM,MPPF;2.2nF,5%,1.6KV,TP,28.5x15.5x		D842	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
C832	2401-003065	C-AL;470uF,20%,50V,LZ,TP,13x25mm,5mm		D843	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
C833	2201-000292	C-CERAMIC,DISC;1nf,10%,50V,Y5P,TP,5x3.5		D851	0402-000493	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	H/SINK
C834	2401-002274	C-AL;220uF,20%,35V,WT,TP,10x12.5.5		D852	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	H/SINK
C835	2401-002262	C-AL;10uF,20%,160V,WT,TP,10x20.5		D855	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	H/SINK
C851	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,		D856	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	H/SINK
C852	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20.5mm		DS851	0402-000101	DIODE-BRIDGE;2KBPO6M,600V,2A,-,BK	
C853	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11.5		DS852	0403-000658	DIODE-ZENER;MTZ18A,18V,16.22-17.06V,500m	
C854	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,		DS853	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
C855	2401-002296	C-AL;220uF,20%,35V,GP,BK,16x31.5,7.5		DS854	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
C857	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20.5		DS855	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
C858	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11.5		F801	3601-000300	FUSE-FERRULE;250V,6.3A,S8,GLASS,5x20MM	
C859	2201-000119	C-CERAMIC,DISC;100nF,-80-20%,50V,Y5V,TP,		F801A	3602-000114	FUSE-HOLDER;-,30mohm	
C860	2201-000119	C-CERAMIC,DISC;100nF,-80-20%,50V,Y5V,TP,		F801B	3602-000114	FUSE-HOLDER;-,30mohm	
C864	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,		F803	3601-001086	FUSE-FERRULE;125V,5A,FA,GLASS,2.4x7.5mm	
C865	2401-002271	C-AL;220uF,20%,63V,GP,BK,18x36mm,7.5		F804	3601-001086	FUSE-FERRULE;125V,5A,FA,GLASS,2.4x7.5mm	
C866	2401-001429	C-AL;470uF,20%,50V,GP,TP,13x20.5		F852	3601-000120	FUSE-FERRULE;125V,2.5A,FA,GLASS,2.4x7.5mm	



Loc. No.	Code No.	Description ; Specification	Remark	Loc. No.	Code No.	Description ; Specification	Remark
	AA61-00038A	BRACKET-CHASSIS,-,SVP-614J,SECC,T1.6,NT					
	AA61-11026A	BRACKET-CRT,MAIN,-,SVP-434J,SECC,T1.6,-					
	AA61-00108B	BRACKET-FBT,-,SP43J2,53J2,SECC-1,T1.0,NT					
	AA63-00068A	COVER-BACK,-,GPM-51A,-,WOOD,-,-,-					
	AA63-00067A	COVER-FRONT,-,GPM-51A,-,WOOD,-,-,-					
	AA64-00215A	DOOR-CONTROL,-,GPM-51A,-,WOOD,-,-,-					
	AA61-20285A	HOLDER-BOX,-,3456,PP,VO,WHT,-					
	AA67-00006A	MIRROR-BACK;51INCH,GLASS,3.0,-,BSM,1046X					
	AA67-70065A	SCREEN-TINT,-,52,DNP,-,-,1087.815					
BC+CW	AA60-00015A	SCREW-ASSY,-,WP,-,M8,L25,SCM30C,-					
BCM+CC	AA60-00015A	SCREW-ASSY,-,WP,-,M8,L25,SCM30C,-					
CF+CW	AA60-00019A	SCREW-MACHINE,FH,-,-,M6,30,WHT,SCM435,-					
HC+CC	AA60-10050U	SCREW-TAPPING;RWH,+4,M4,L25,ZPC(BLK),SW					
AC+BCM	AA60-10011A	SCREW-TAPITTE;HH,+,-,PC,M4,L12,ZPC(BLK),SW					
PP+BRK	AA60-10011A	SCREW-TAPITTE;HH,+,-,PC,M4,L12,ZPC(BLK),SW					
BM+ACM	6003-000334	SCREW-TAPITTE;RH,+2S,M3,L6,ZPC(YEL),SWR					
HS+CW	AA60-00018A	SCREW-WOOD,TH,+,-,M4,L20,ZPC(BLK),SWRCH18,					
CB+CC	AA60-00018A	SCREW-WOOD,TH,+,-,M4,L20,ZPC(BLK),SWRCH18,					
CB+CW	AA60-00018A	SCREW-WOOD,TH,+,-,M4,L20,ZPC(BLK),SWRCH18,					
BC+CCW	AA60-10050W	SCREW-WOOD,W/H,+,-,M4,20,ZPC(BLK),SWRCH18A					
BC+CCW	AA60-10050W	SCREW-WOOD,W/H,+,-,M4,20,ZPC(BLK),SWRCH18A					
FILTER	AA60-10050W	SCREW-WOOD,W/H,+,-,M4,20,ZPC(BLK),SWRCH18A					
HC+CCW	AA60-10050W	SCREW-WOOD,W/H,+,-,M4,20,ZPC(BLK),SWRCH18A					
MIRROR	AA60-10050W	SCREW-WOOD,W/H,+,-,M4,20,ZPC(BLK),SWRCH18A					
	AA63-60131C	SPACER—FELT;FELT,0.5,-,820*140,-					
	AA63-60121A	SPACER-COVER,DUST,FELT,T1.0,BLK,600x200,					
	AA63-60040A	SPACER-DIECAST,PU,-,-,L200,S4388,-					
CCW	AA63-60001X	SPACER-FELT;FELT,T0.5,BLK,330X15,-					
	AA67-70048A	SUN-SCREEN,-,52,H/C, A/S,PMMA,TRAN=82%,					

## ASSY-CABINET,MASK

- \* AA91-00081A ASSY-CABINET,MASK,-,HB,BK901P,-,GPM-51A
- AA64-00132C CABINET-FRONT,MASK,-,GPM-51A,L1016,ABS,H
- AA64-00132D CABINET-FRONT,MASK,-,GPM-51A,L744,ABS,HB
- AA61-00037A HOLDER-MASK,CORNER,-,SVP-614JM,ABS,HB,BL
- AA63-70002A SHEET,PE FOAM,T1.0,-,-,50G,-,-
- AA63-00063A SPACER-DUAL,LOCK,#400,-,-,19X19,SVP-614J

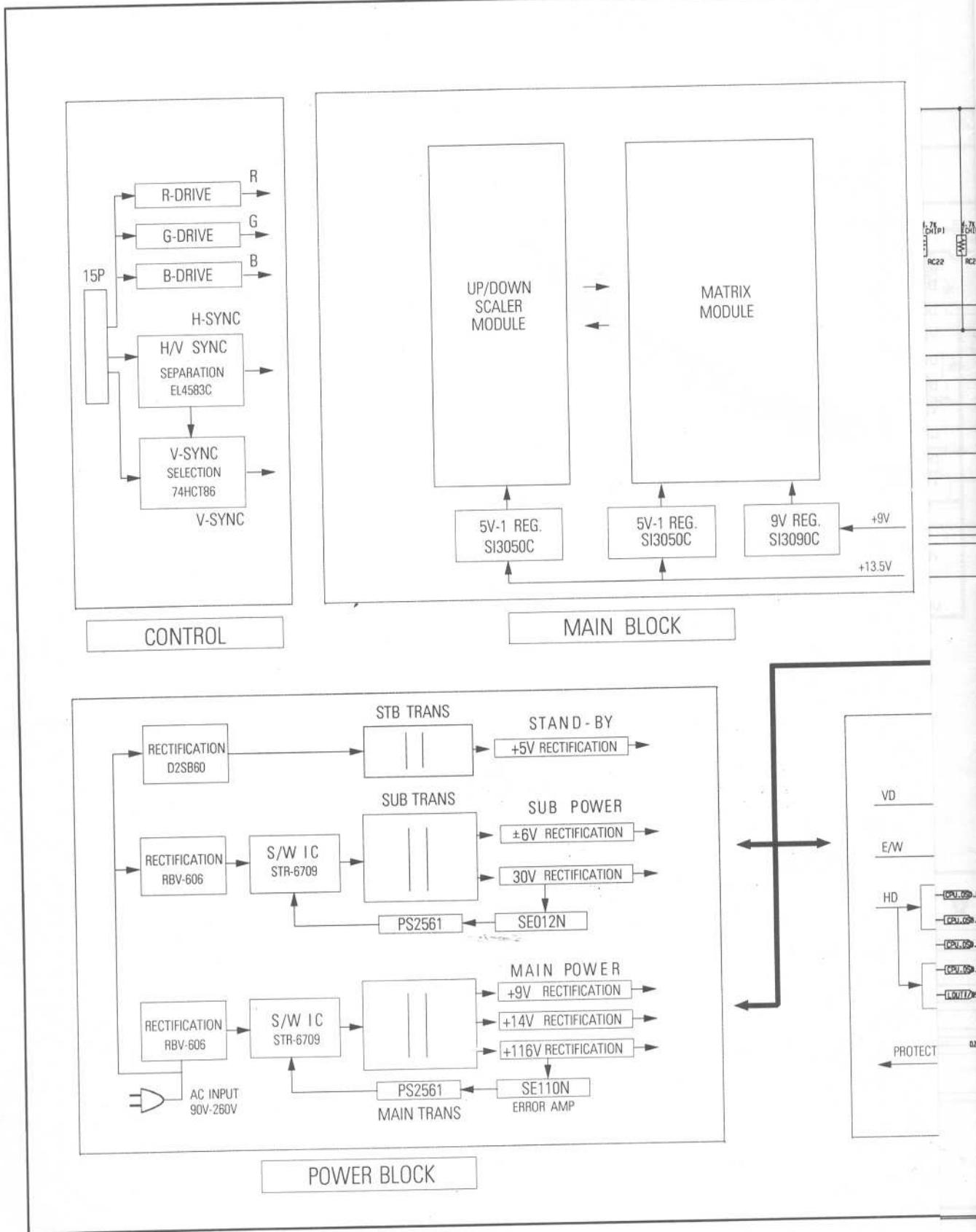
## ASSY-CABINET,WOOD

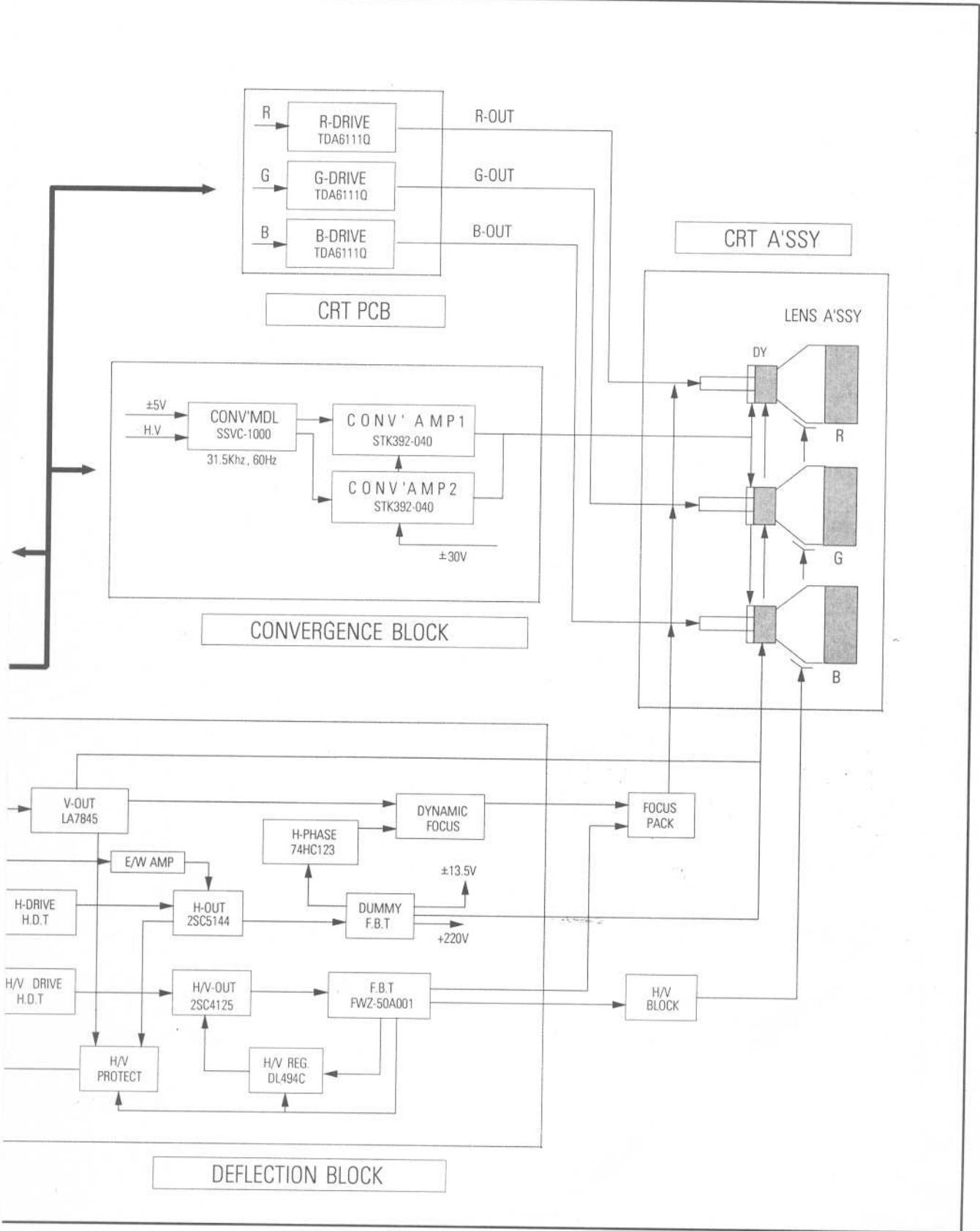
- \* AA91-00082A ASSY-CABINET,WOOD,-,-,WOOD,GPM-51A
- AA61-10387A BRACKET-GRILLE,-,SVP-462J,SECC-1,T0.5,-
- AA61-00060A BRACKET-NUT,-,GAME PJT,SECC,T1.6,-,-
- AA64-00214A CABINET-WOOD,-,GPM-51A,-,WOOD,-,-,-
- AA61-00030A CASTER,SVP-614JM,POLYURETHANE,-,50,23
- AA64-00209A HANDLE-CABINET,WOOD,-,PJT TV,-,ABS,HB,BL
- AA61-00062A HOLDER-CONNECTOR,-,PJT TV,SECC,-,-,T1.0
- AA61-00097A HOLDER-WIRE,-,NYLON 6/6,-,NTR,-
- AA64-00216A LEG-STOPPER,-,GPM-51A,M16,-,-,-
- BRKT AA60-10051A SCREW-WOOD,PH,+,-,M4,L16,ZPC(BLK),SWRCH18A
- CASTER AA60-10051A SCREW-WOOD,PH,+,-,M4,L16,ZPC(BLK),SWRCH18A
- HC+CW AA60-10051B SCREW-WOOD,RH,+,-,M3.5,L11,ZPC(YEL),SWRCH1
- AA63-00066A SPACER-DUAL,LOCK,#250,-,-,12.5X25,-

## ASSY—CABINET,CHASSIS

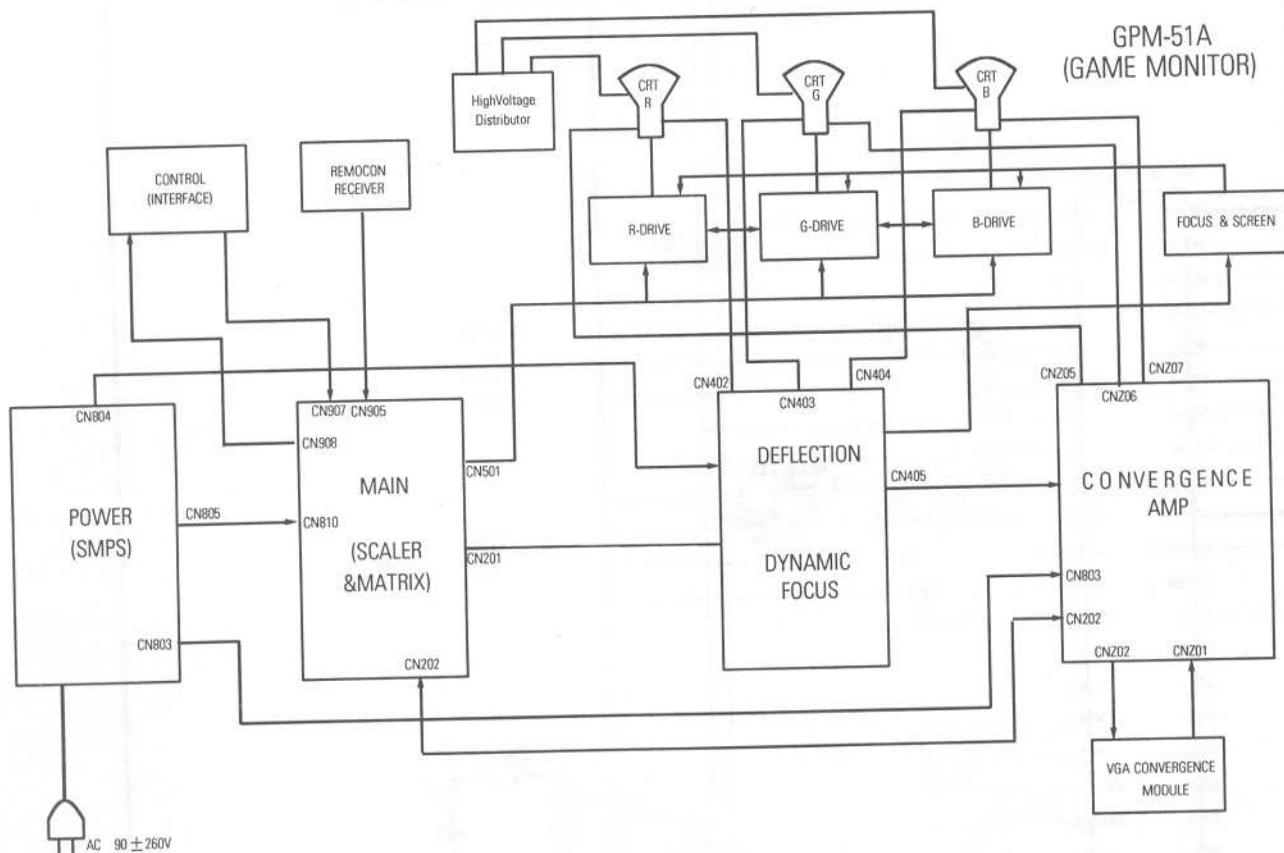
- \* AA91-00100A ASSY—CABINET,CHASSIS,-,-,WOOD,GPM-51A
- AA61-11003A BRACKET-BACK,-,PROJ,SECC,T1.0,-,-
- AA61-11029A BRACKET-MODULE,-,SVP-431JM,SECC,T0.6,BLK
- AA64-00251A CABINET-CHASSIS,WOOD,-,GPM-51A,-,WOOD,-
- AA65-30115A CLAMP-WIRE,FE,-,BLK,2X150,PRJT,-
- AA61-70053A RAIL-PCB,-,SVP-524JA,ABS,VO,BLK,-
- BB+CCW AA60-10051B SCREW-WOOD,RH,+,-,M3.5,L11,ZPC(YEL),SWRCH1
- BM+CCW AA60-10051B SCREW-WOOD,RH,+,-,M3.5,L11,ZPC(YEL),SWRCH1

## 7. Block Diagram



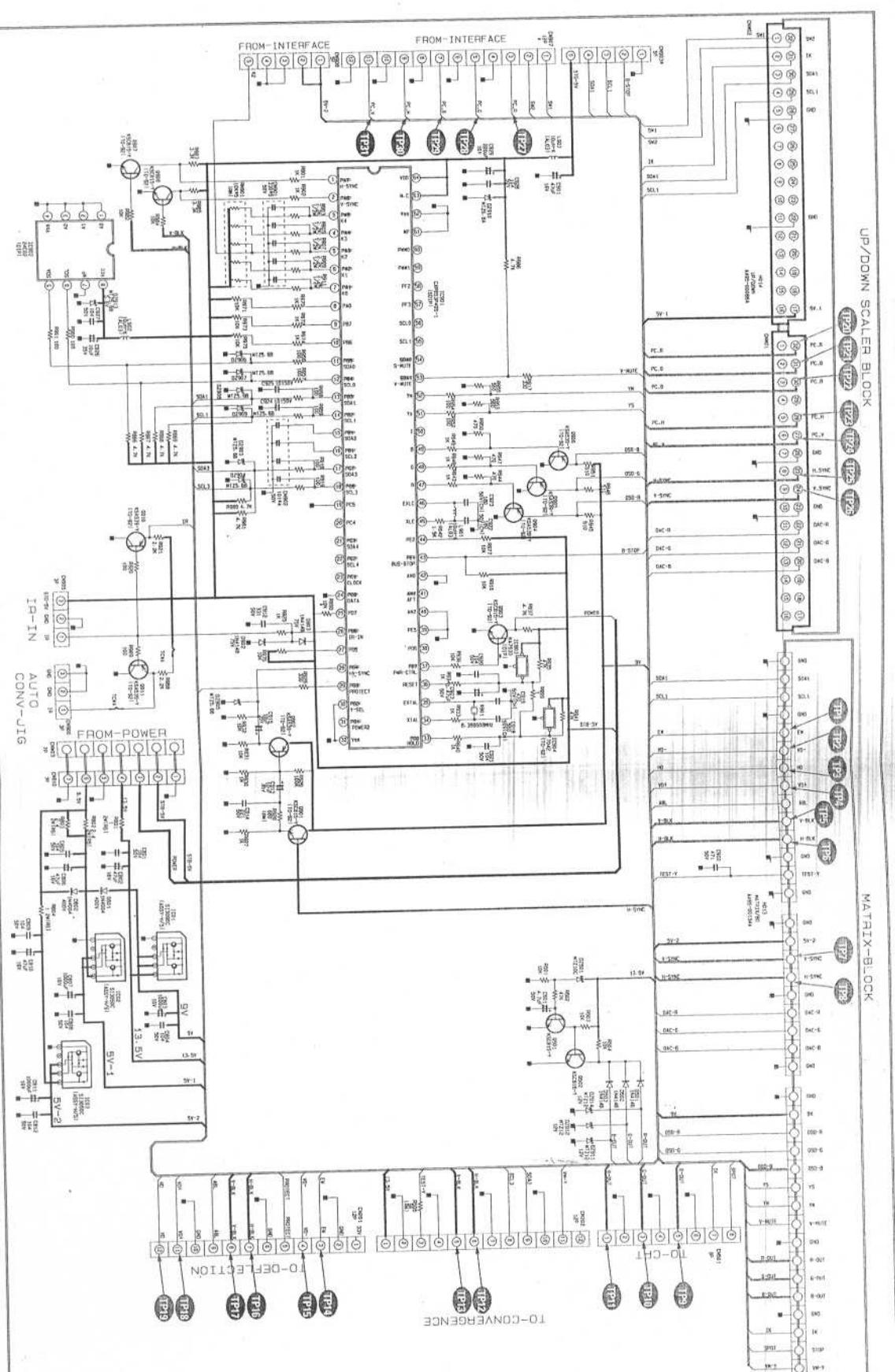


## 8. Wiring Diagram



## 9. Schematic Diagrams

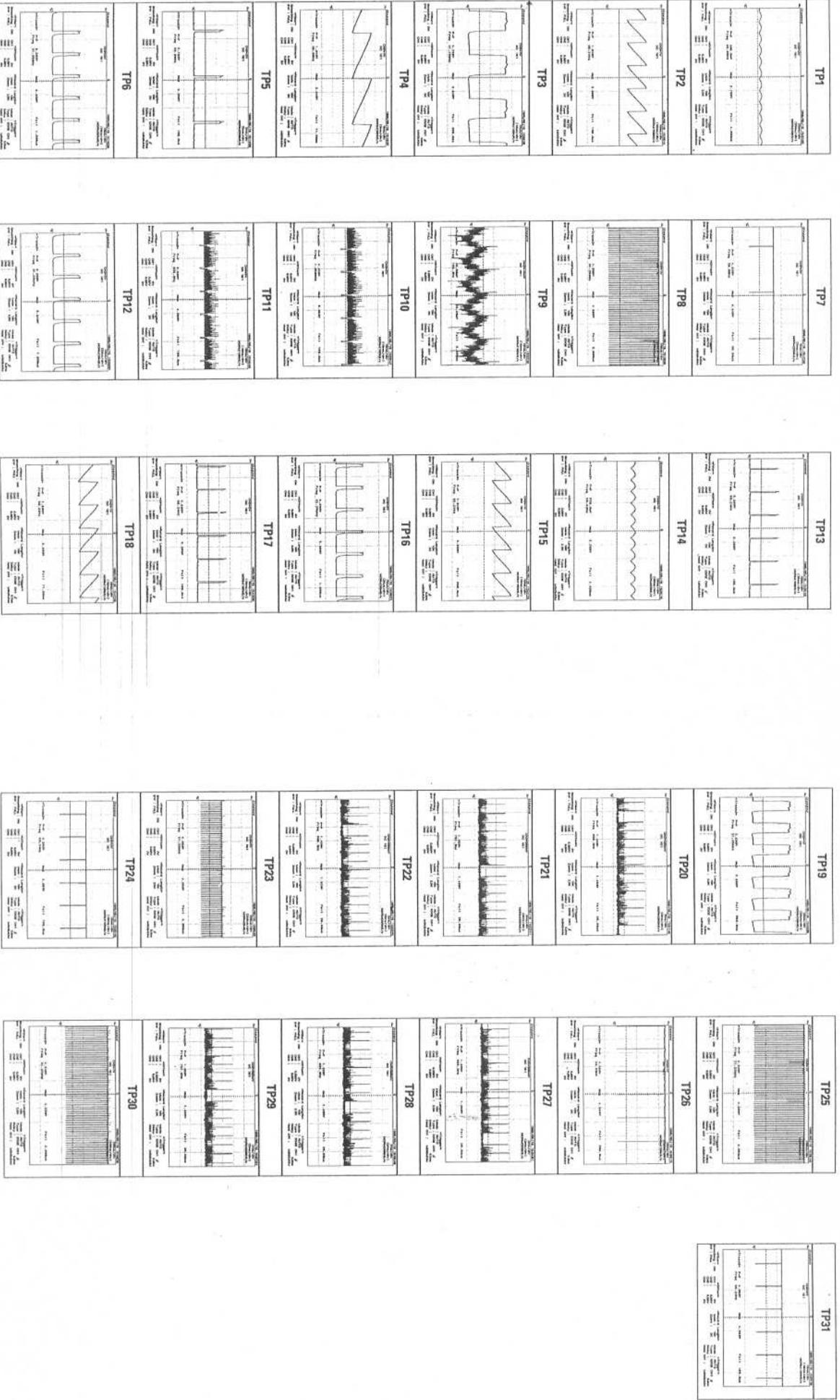
9-1 MAIN



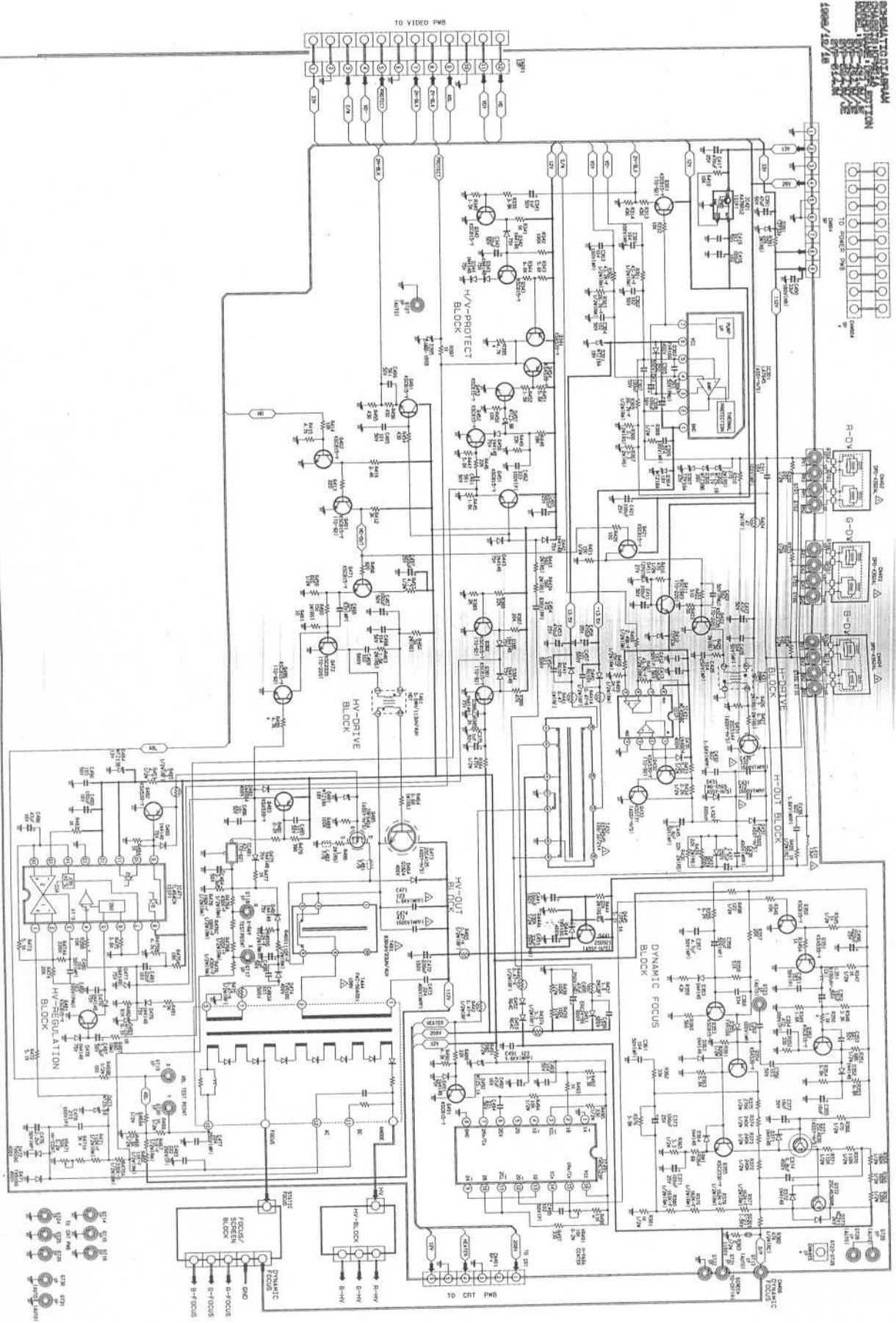
Power Line  
Signal Line

au

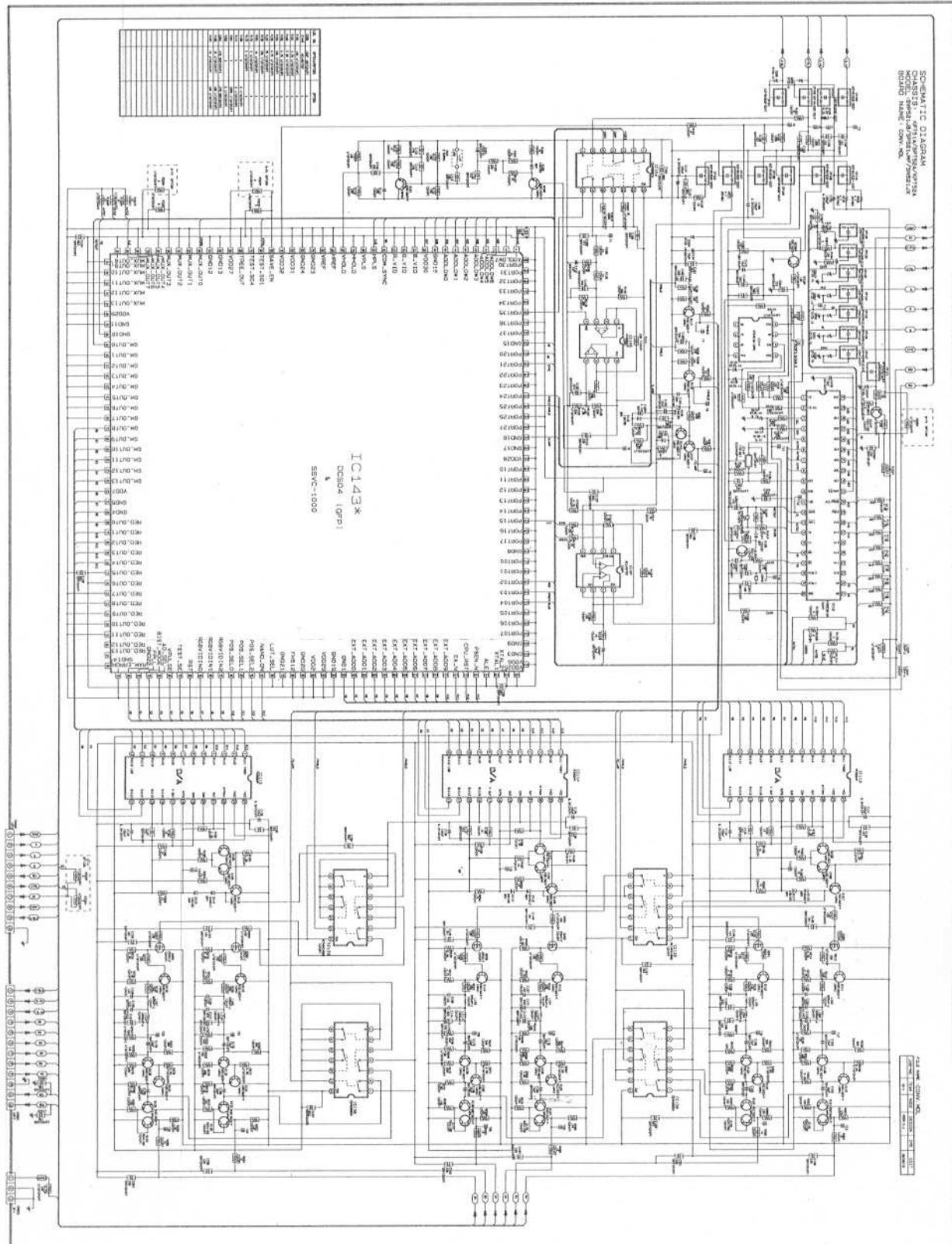
## 9-1-1 Waveforms

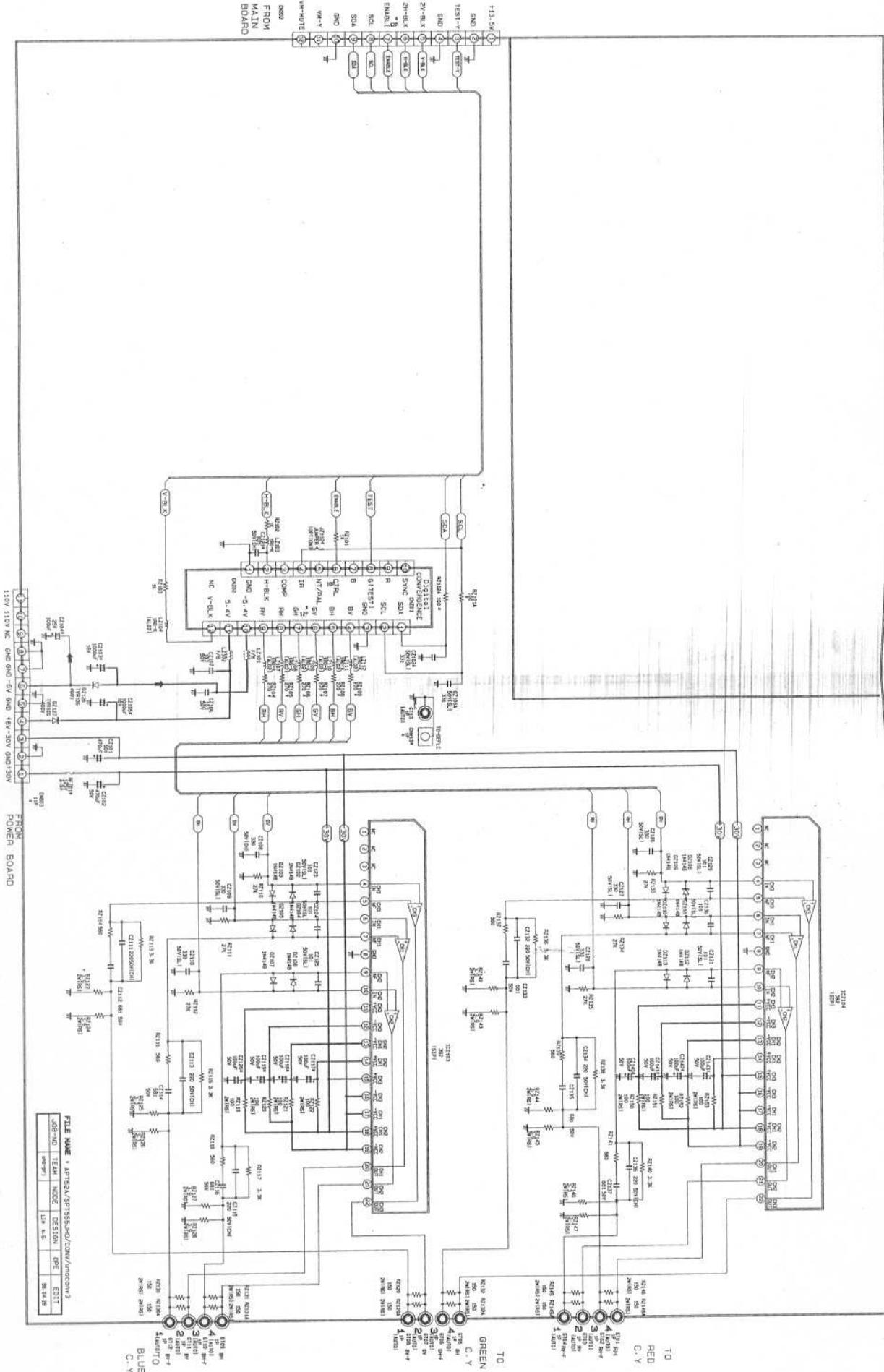


## 9-2 DEFLECTION



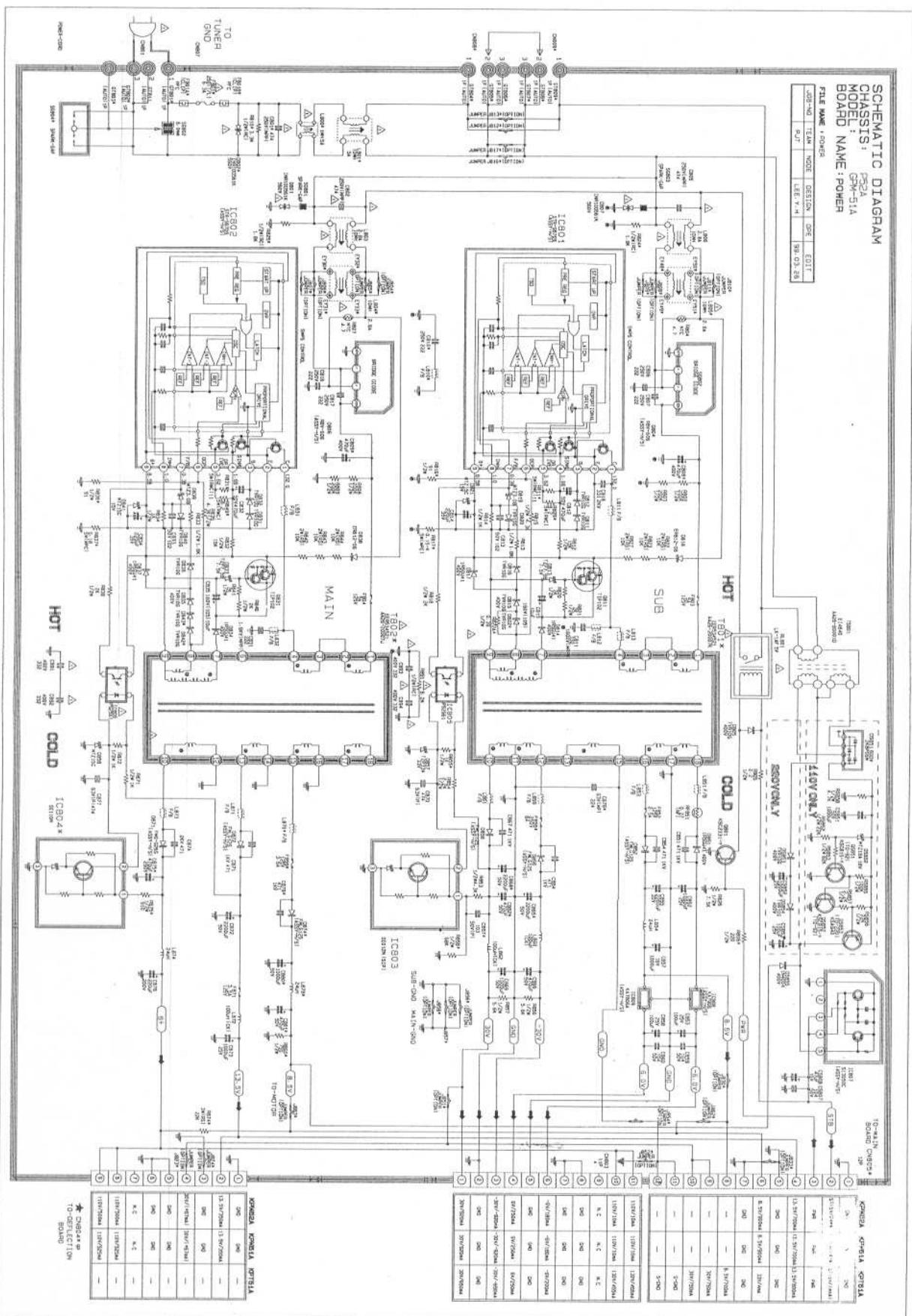
-3 CONVERGENCE MODULE



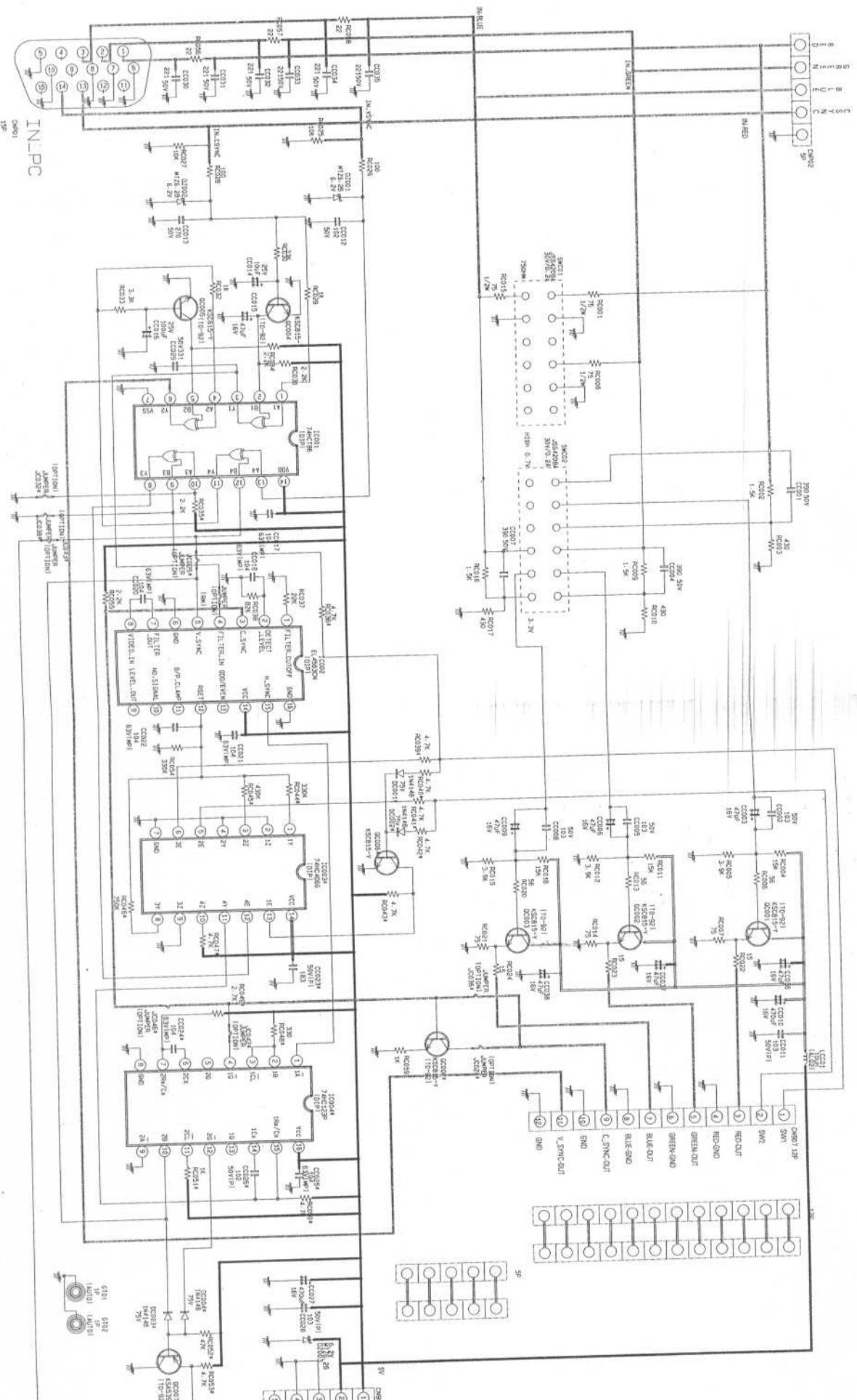


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-5 POWER

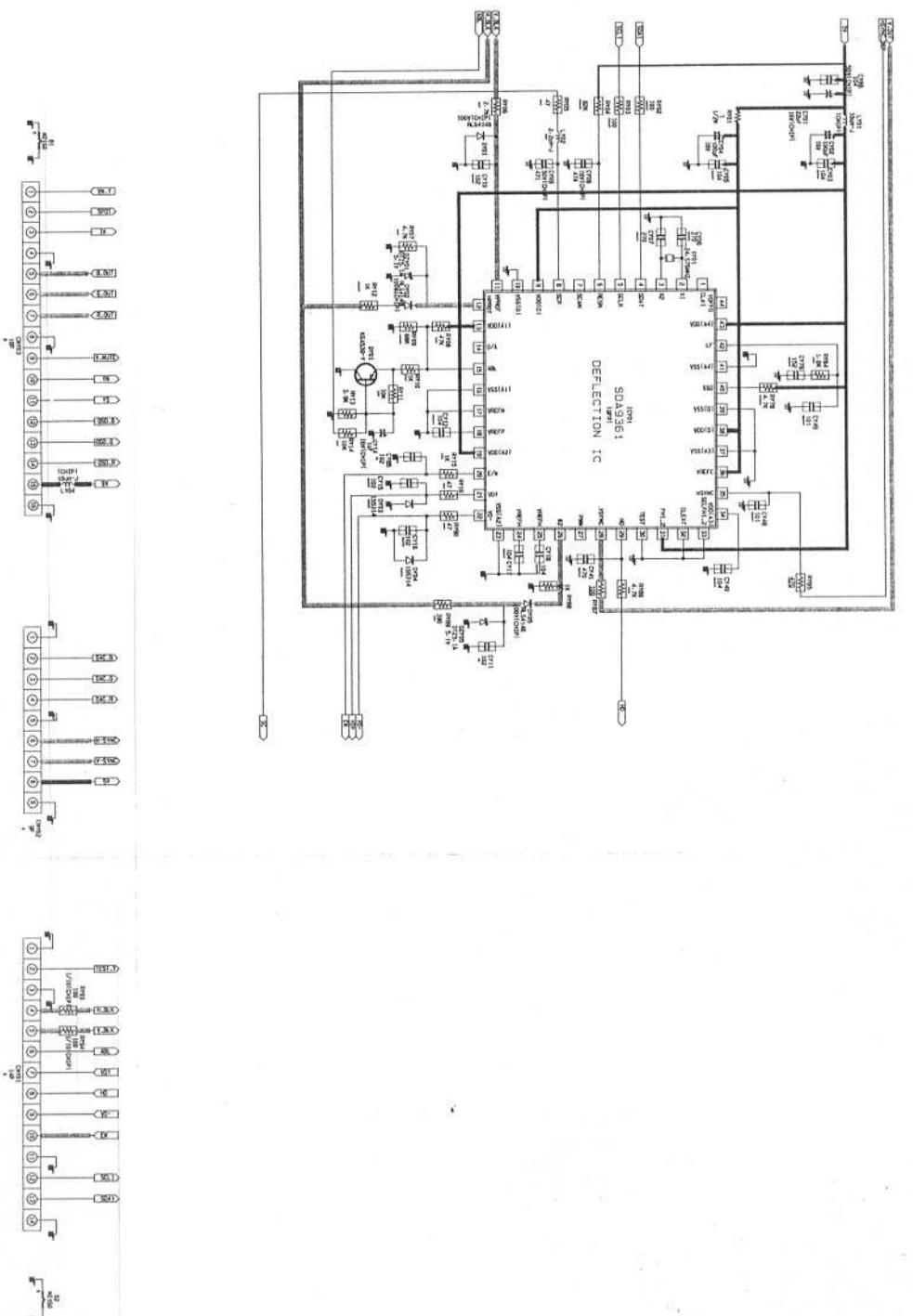


## 9.5 CONTROL

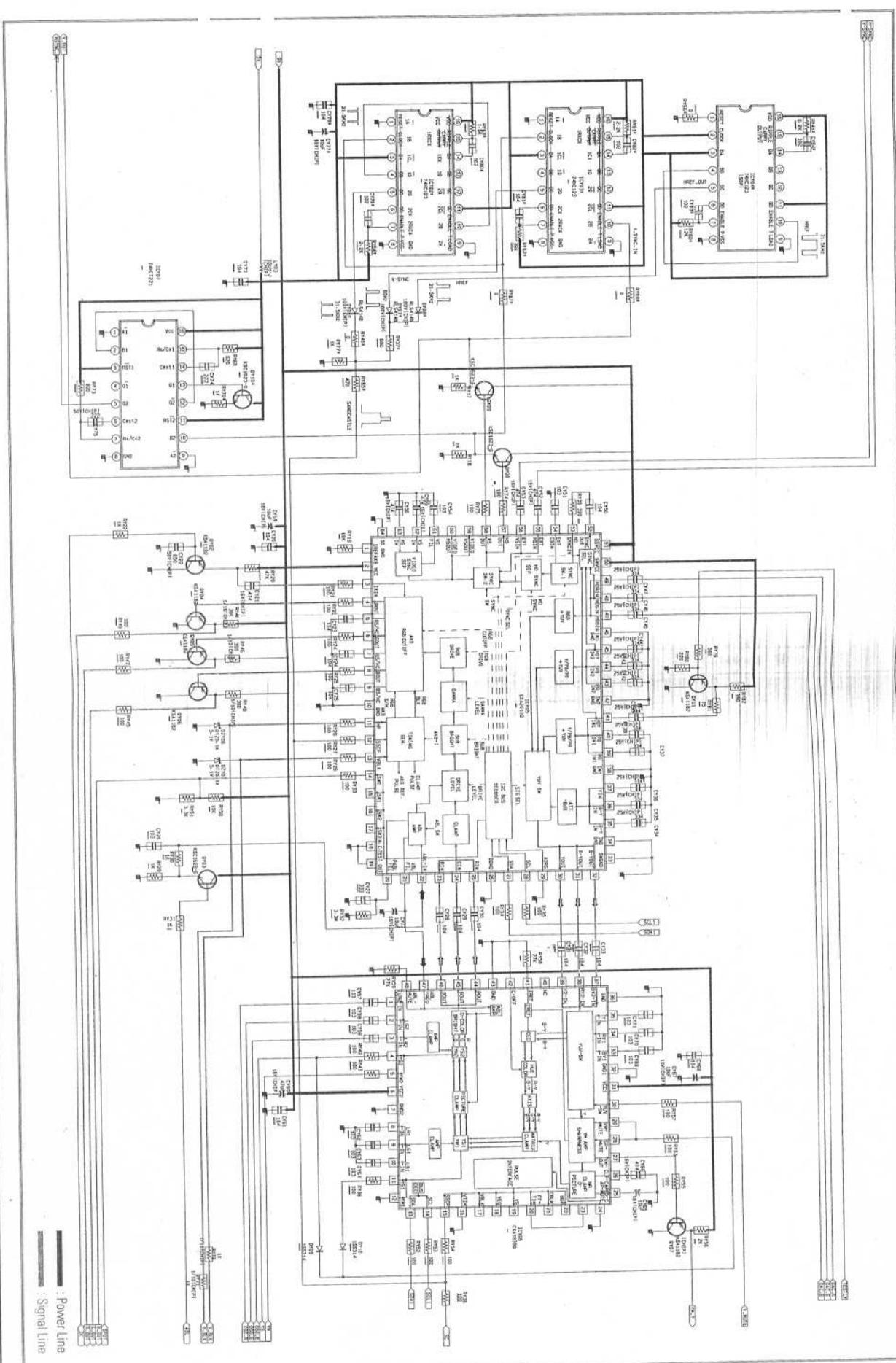


## 9-7 MATRIX 1/2

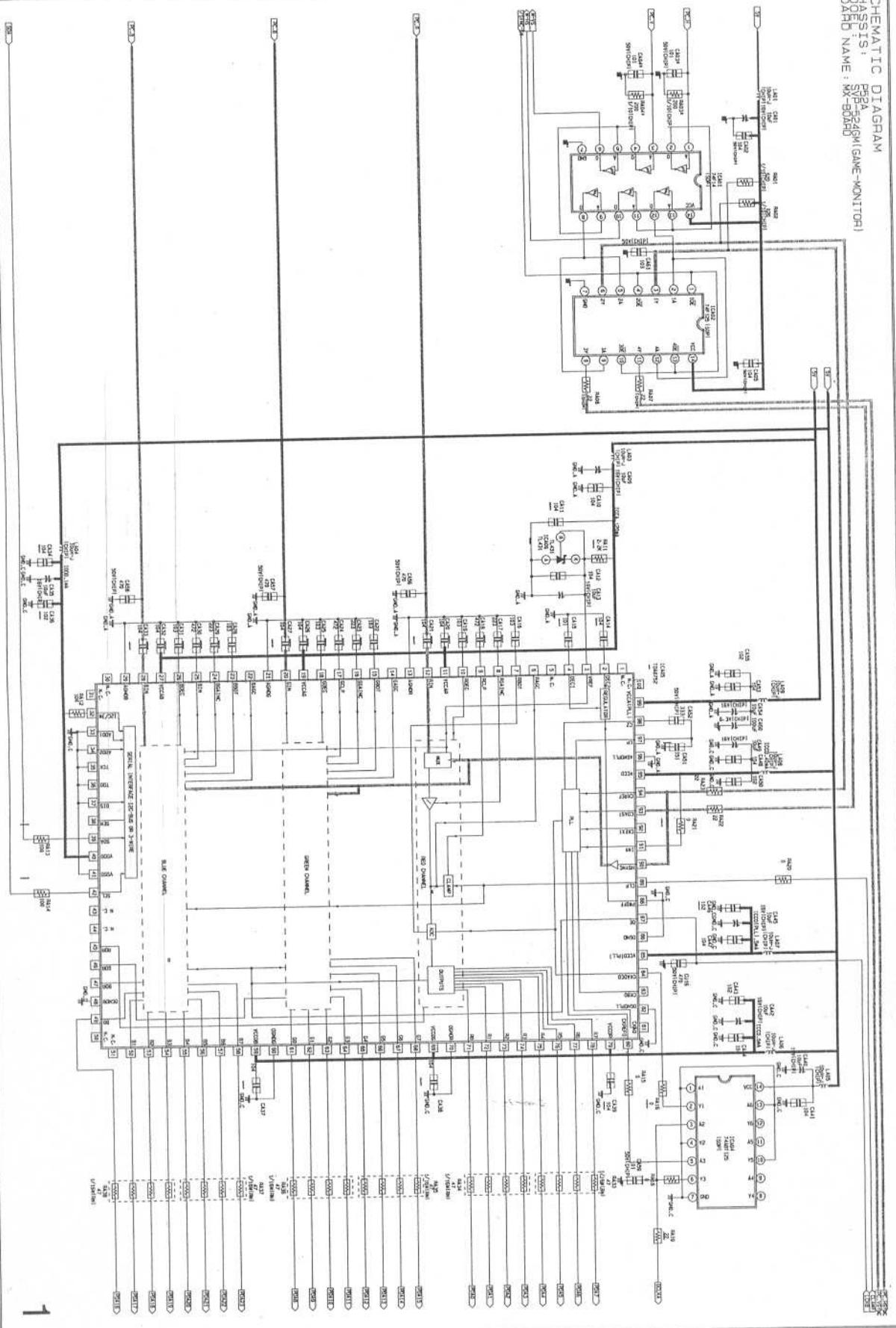
SCHEMATIC DIAGRAM  
CHASSIS: ALT51A  
MODEL: SPT-403JA  
BOARD NAME: FEATURE-BOX  
98. 06. 29

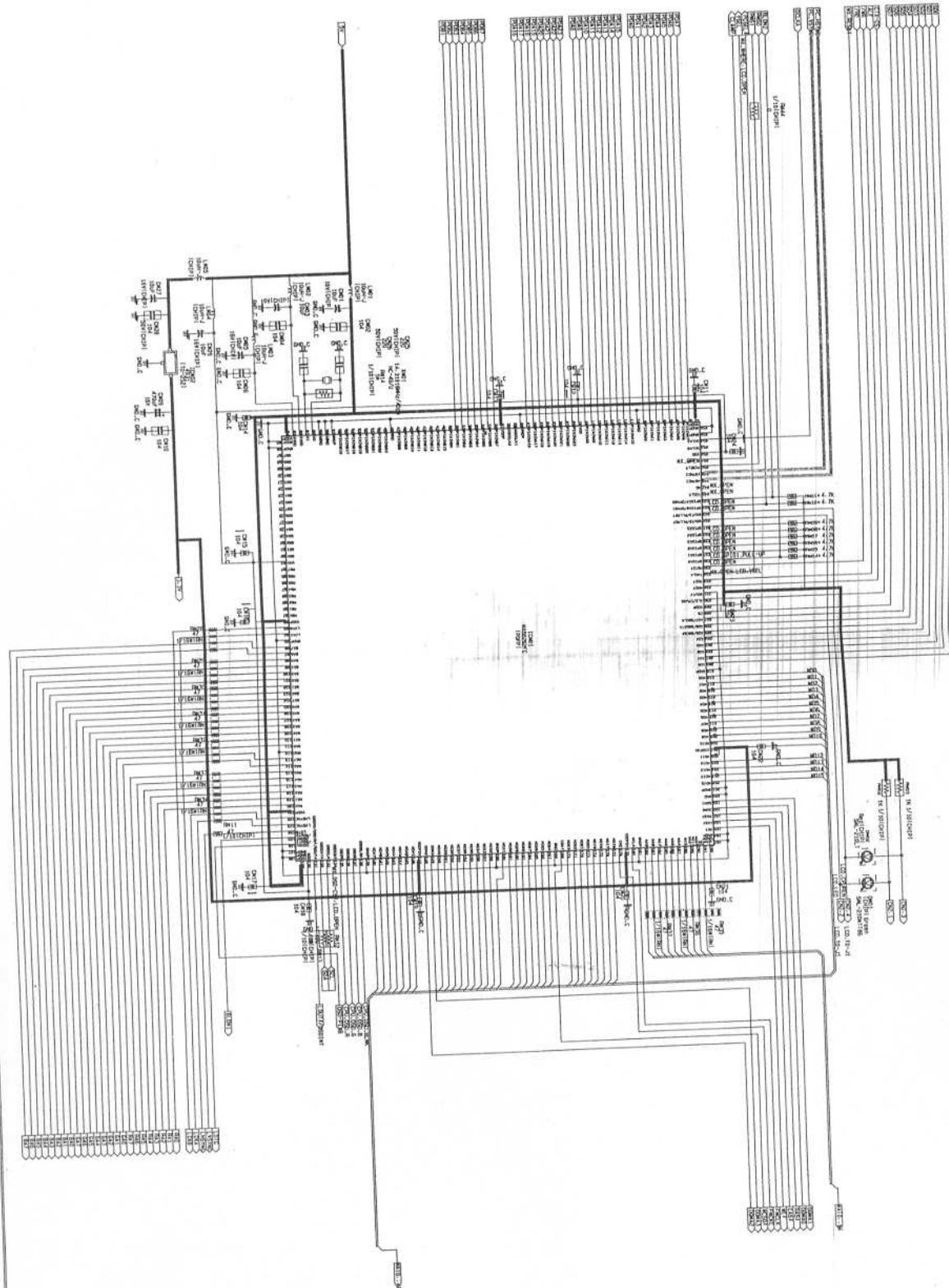


— : Power Line  
— : Signal Line



**SCHEMATIC DIAGRAM**  
**CHASSIS: P52A**  
**BOARD: SVB-524GM(GAME-MONITOR)**  
**BOARD NAME : MX-BOARD**





**9-11 MX BOARD 3/5**