SERVICE MANUAL

COLOR MONITOR

(105G7 Series)

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THIS MONITOR IS LEAD-FREE PRODUCT.

MANUFACTURE DATE:SEP.2005

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1. SPECIFICATIONS FOR S554B-1SERIES COLOR MONITOR

CRT:

Type 15" (13.8” viewable diagonal area) CPT M36AES83X01 (L), LPD M36EDR320X304/6F01L;Dot Pitch 0.28 mm, Shadow Mask, None Glare.

Viewable image Size: 35CM (13.8”) diagonal

Display Color: Unlimited Colors

External Controls:

Power On/Off, OSD key, Function knob: Contrast, Brightness, and Degauss. Horizontal Size, Horizontal Position, Vertical Size, Vertical Position, Pincushion, Pincushion Balance, Trapezoid, Parallelogram, Tilt, Horizontal Moire, Vertical Moire, ViewMatch color, ViewMeter, OSD Position, Languages, Memory Recall, Zoom.

Input Video Signal:

Timing	**Timing 15**	**Timing 16**	**Timing 17**
Resolution	720*400	640*480	640*480
H (KHz)	31.327	31.469	43.3
V (Hz)	69.616	59.943	85.00
Timing	**Timing 29**	**Timing37**	
Resolution	800*600	1024*768	
H (KHz)	53.674	48.36	
V (Hz)	85.061	60.00	

Display Size:

Horizontal Display Size, Primary Preset	270 mm +/- 4 mm
Horizontal Display Size, Other Presets	270 mm +/- 4 mm
Vertical Display Size, Primary Preset	202 mm +/- 4 mm
Vertical Display Size, Other Presets	202 mm +/- 4 mm
Display Size Adjustment	All preset modes shall expand to full screen size.

Scanning Frequencies:

Horizontal:	30KHz ~ 54KHz
Vertical:	50 Hz ~ 120 Hz

Factory Preset Timings: 6
User Timings: 8

Mis-convergence:

Center:	0.3 mm Max.
Corner:	0.4 mm Max.

Power Source:

Switching Mode Power Supply

AC 90-264 VAC 50/60 Hz

ENVIRONMENTAL

Operating Temperature	0°C to +40°C
Storage Temperature	-40°C to +60°C
Operating Relative Humidity	5% to 95% Non-Condensing
Storage Relative Humidity	5% to 95% Non-Condensing
Operating Altitude	-400 meters to +3000 meters
Storage Altitude	-400 meters to +12,000 meters

Gross Weight:

13.0 kg

Dimensions Monitor:

Carton:	438mm (W) x 385 mm (H) x 455 mm (D)
Monitor:	360 mm (W) x 362 mm (H) x 384 mm (D)

External Connection:

15 Pin D-type Connector AC Power Cord

Regulations:

North America (M): UL/cUL, DHHS, TUV/S (Argentina) FCC-B, NOM, ICES-003, BSMI, PSB

International: CB, MPRII.

Power Saving Operation:

ON Mode < 70 Watts

OFF < 5 Watts

2. PRECAUTIONS AND NOTICES

2-1 SAFETY PRECAUTIONS

1. Observe all caution and safety related notes located inside the display cabinet.

2. Operation of the display with the cover removed, may cause a serious shock hazard from the display power supply. Work on the display should not be attempted by anyone who is not thoroughly familiar with precautions necessary when working on high voltage equipment.

3. Do not install, remove or handle the picture tube in any manner unless shatter-proof goggles are worn. People who are not so equipped should be kept away while handling picture tube. Keep picture tube away from the body while handling.

4. The picture tube is constructed to limit X-RAY radiation to 0.5 mR/HR. For continued protection, use the designated replacement tube only, and adjust the voltages so that the designated maximum rating at the anode will not be exceeded.

5. Symbol "⚠" means safety relative parts. The use of substitute replacement parts which do not have the same characteristics as specified in the parts list may create shock, fire or explode etc.

6. Symbol "★ " means X-ray relative parts. Before replacing any of these components please read the parts list in this manual carefully to avoid creating higher anode voltage or x-ray. Especially for sealed controls, such as VR901 VR902, VR701 and FBT screen VR etc, which were sealed by the manufacturer once their optimum position has been set, please don't dismantle them as your likes, otherwise you will break or damage the component. If you need replace the parts with sealed control, please adjust the relative VR to make sure the B+ voltage under 59.0±0.2Vdc at 640x480 60Hz and well seal it with A+B glue or equivalent, which you can not move away with one screw driver.

7. Before returning a serviced display to the customer, a thorough safety test must be performed to verify that the display is safe to operate without danger or shock. Always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as screw heads.
   Test method for current leakage is described as follow.

   (a) Plug the AC line cord directly into rated AC outlet (do not use a line isolation transformer during this check).

   (b) Use an AC voltmeter having 5000 ohms per volt or with more sensitivity in the following manner: Connect a 1500 ohms 10 Watt resistor, paralleled by a 0.15UF, AC type capacitor between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts simultaneously. Measure the AC voltage across the combination of 1500 ohms resistor and 0.15UF capacitor.

   (c) Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part.

   (d) Voltage measured must not exceed 0.5 volts RMS. This corresponds to 0.35 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

2.2 PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety visual inspections and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Before replacing any of these components read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-RAY radiation or other hazards.

2.3 SERVICE NOTES

1. When replacing parts or circuit boards, clamp the lead wires around terminals before soldering.
2. When replacing a high wattage resistor (more than 1/2W of metal oxide film resistor) in circuit board, keep the resistor about 10mm (1/2 in) away from circuit board.
3. Keep wires away from high voltage or high temperature components.
4. Keep wires in their original position so as to reduce interference.

2.4 HIGH VOLTAGE WARNING

Operation of monitor outside of cabinet or with back removed may cause a serious shock hazard. Work on this model should only be performed by those who are thoroughly familiar with precautions necessary when working on high voltage equipment.

Exercise care when servicing this chassis with power applied. Many B plus and high voltage terminals are exposed which, if carelessly contacted, can cause serious shock or result in damage to the chassis. Maintain interconnecting ground lead connections between chassis and picture tube dag when operating chassis.

Certain HV failures can increase X-ray radiation. Monitor should not be operated with HV levels exceeding the specified rating for the chassis type. The maximum operating HV specified for the chassis used in this monitor is

25.5KV ± 1KV

With a line voltage of 120/240 VAC. Higher voltage may also increase possibility of failure in HV supply.

It is important to maintain specified values of all components in the horizontal and high voltage circuits and anywhere else in the monitor that could cause a rise in high voltage or operating supply voltages. No changes should be made to the original design of the monitor. Components shown in the shaded areas on the schematic should be replaced with exact factory replacement parts. The use of unauthorized substitute parts may create a shock, fire or other hazard.

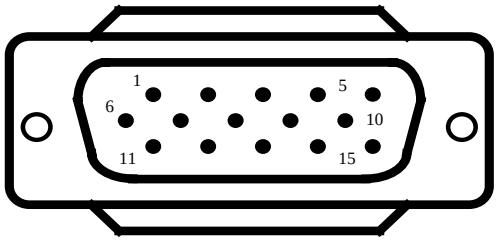
To determine the presence of high voltage, use accurate, high impedance, HV meter connected between second anode lead and CRT dag grounding device. When servicing the High Voltage System, remove static charge from it by connecting a 20K ohm resistor in series with an insulated wire (such as a test probe) between picture tube dag and 2nd anode lead. (AC line cord disconnected from AC power outlet.)

The picture tube used in this monitor employs integral implosion protection. Replace with tube of the same type number for continue safety. Do not lift picture tube by the neck. Handle the picture tube only after discharging the high voltage completely.

3. OPERATING INSTRUCTIONS

This procedure gives you instructions for installing and using the 9Glr color display.

1. Position the display on the desired operation and plug the power cord into a convenient AC outlet. Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the electrical conduit ground. If the AC outlet in your location does not have provisions for the grounded type plug, the installer should attach the proper adapter to ensure a safe ground potential.
2. Connect the 15-pin color display shielded signal cable to your signal system device and lock both screws on the connector to ensure firm grounding. The connector information is as follow:



15 - Pin Color Display Signal Cable

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	RED	9.	NC
2.	GREEN	10.	GND
3.	BLUE	11.	SYNC. GND
4.	GND	12.	SDA
5.	GND	13.	HORIZ. SYNC
6.	GND-R	14.	VERT. SYNC (∗VCLK)
7.	GND-G	15.	SCL
8.	GND-B		

3. Apply power to the display by turning the power switch to the "ON" position and allow about thirty seconds for display tube warm-up. The Power-On indicator lights when the display is on.
4. With proper signals feed to the display, a pattern or data should appear on the screen, adjust the brightness and contrast to the most pleasing display.
5. This monitor has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.
6. If your 9Glr Series color display requires service, it must be returned with the power cord.

4. ADJUSTMENT

4. 1 ADJUSTMENT CONDITIONS AND PRECAUTIONS

1. Approximately 30 minutes should be allowed for warm up before proceeding.
2. Adjustments should be undertaken only on those necessary elements since most of them have been carefully preset at the factory.

4. 2 MAIN ADJUSTMENTS

NO.	FUNCTION		LOCATION	DESIGNATION
1.	14.5V ADJ		PCB - MAIN	VR901
2.	B + ADJ		PCB - MAIN	VR902
3.	SCREEN ADJ		FLY BACK TRANS	T402
4.	FOCUS ADJ		FLY BACK TRANS	T402
		-MENU	PCB - MAIN	SW102
		-UP ▶	PCB - MAIN	SW103
5.	FUNCTION ADJ	-DOWN ◀	PCB - MAIN	SW104
		-EXIT	PCB - MAIN	SW105

4. 3 ADJUSTMENT METHOD

14.5V, B + & HV voltage adjustment:

A. Chroma-2000 Signal generator or PC equivalent set mode2:, VGA 640X480 pattern 1.0.

B. Connect a DC Volt meter between TP901 (or the equivalent point) and ground, then adjust VR901 to be 14.2VDC.

C. Connect a DC Volt meter between TP902 (or the equivalent point) and ground, then adjust VR902 to be 85 VDC.

Factory preset Timings Adjustment:

A. Press MENU Key to show OSD window press Up or Down Key to switch the functional controls.

B. Press the Up Key to select the "ZOOM" function, then press the MENU Key. While do not release the MENU Key until the OSD window changed to the Factory preset window.

C. The Factory preset window contains the following functional controls. Select one of the control. Then press the Up/Down Key to adjust its value for the optimum picture.

	H-SIZE		H-CENTER
	V-SIZE		V-CENTER
	PINCUSHION		PARALLELOGRAM
	PIN-BALANCE		TRAPEZOID
	ROTATION	**AB**	ABL ADJ
SB	NO USE		CONTRAST
	BRIGHTNESS		R-BIAS
	G-BIAS		R-BIAS
	R-GAIN		G-GAIN
	B-GAIN	**6500**	COLOR TEMPERATURE
9300	COLOR TEMPERATURE	**SW**	NO USE
	H-MOIRE REDUCE		V-MOIRE REDUCE
	MOIRE DISABLE		NO USE
	NO USE	**HL**	NO USE
	V-LINEARITY		V-LINEARITY BALANCE
	TOP CORNER		BOTTOM CORNER
LH	NO USE	**HP**	MAX-HSIZE MODIFY
	MAX-VSIZE MODIFY		MAX-TRAPEZOID MODIFY
	NO USE		DEGAUSS
	OSD EXIT		RETURN
	TIME RECORD	**B/I**	B/I ON/OFF

D. To switches the input signal to the other Timing Mode. Please follow step C ~ D to get the optimum picture.

E. Select the "  " RETURN function and press the MENU Key, then the Factor Preset window will be returned to the original OSD window.(user's operating condition)

F. The setting data of the CONTRAST, BRIGHTNESS, PIN-BALANCE, PARALLELOGRAM, ROTATION, COLOR TEMPERATURE are common mode saved in the memory. Don't needed adjust it individual at every timing Mode and save in the memory.

White Balance adjustment(Bias ,Gain, ABL):

A. Bias (Raster luminance and cut off) adjustment:

(a) Set mode 5 800×600 Fh: 53KHz full white pattern.

(b) To make the adjustment condition is under the Factory preset window.
Same as step 2-C.

(c) Warm up more than 20 minutes.

(d) Change pattern to mode 5 Raster pattern (only Raster, no video), Brightness set to maximum. Contrast set to min., G-Bias 40, then adjust FBT screen VR. R-Bias . B-Bias to make Y= 3.5 ±0.2cd/m², x= 265 ± 5, y= 290 ± 5.

(e) Raster cut off adjustment: adjustment the Brightness makes the Y=0.08±0.02cd/m², then save the adjustment data to 9300 and 6500.

B. Gain (window white luminance) adjustment:

(a) Set mode 5 800×600 Fh: 53KHz window white pattern (100mm*100mm window).

(b) Brightness set to raster just cutoff and set the contrast to max.

(c) Adjust G-Gain , B-Gain , R-Gain , to make color temperaturem Y=140±2 cd/m². x=283 ± 5, y=297 ± 5. then save to 9300.

(d) Adjust G-Gain , B-Gain , R-Gain , to make color temperaturem Y=140±2 cd/m². x=313 ± 5, y=329 ± 5. then save to 6500.

C. Recheck item A&B to make sure both of them in spec. Finally select OSD function to the 9300°K function, then press to make the setting data saved in the memory.

D.ABL(Full white luminance) adjustment:

(a) Set mode 2 800×600 Fh: 53KHz full white pattern.

(b) Image Size : H:260±4mm V:195±4mm.

(c) Brightness set to raster just cut off and set the contrast to max.

(d) Adjust AB to the luminance at 85 ~138cd/m².

Focus Adjustment:

A. Set mode 5 800×600 Fh: 53KHz with character full page.

B. Adjust brightness to center and contrast to max.

C. Then adjust focus VR to a fine vertical and horizontal line.

Purity Adjustment

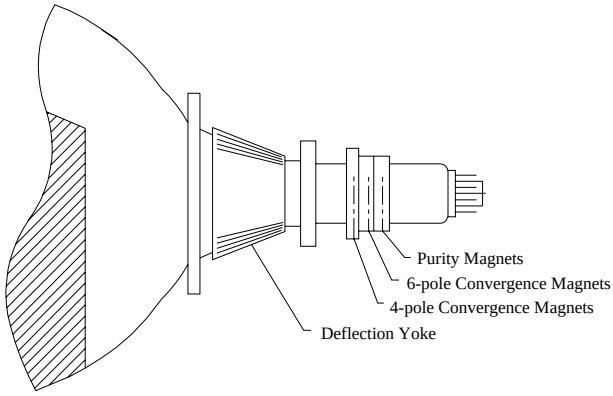
A. Be sure that the display is not being exposed to any external magnetic fields.

B. Ensure that the spacing between the Purity, Convergence, Magnet, (PCM), assembly and the CRT stem is 29mm. (See below diagram)

C. Produce a complete, red pattern on the display. Adjust the purity magnet rings on the PCM assembly to obtain a complete field of the color red. This is done by moving the two tabs in such a manner that they advance in an opposite direction but at the same time to obtain the same angle between the two tabs, which should be approximately 180'.

D. Check the complete blue and complete green patterns to observe their respective color purity. Make minor adjustments if needed.

RELATIVE PLACEMENT OF TYPICAL COMPONENTS



Convergence adjustment

A. Produce a magenta crosshatch on the display.

B. Adjust the focus for the best overall focus on the display.
Also adjust the brightness to the desired condition.

C. Vertical red and blue lines are converged by varying the angle between the two tabs of the 4 pole magnets on the PCM assembly. (See above diagrams)

D. Horizontal red and blue lines are converged by varying the two tabs together, keeping the angle between them constant.

E. Produce a white crosshatch pattern on the display.

F. Vertical green and magenta lines are converged by varying the angle between the two tabs of the 6-pole magnets.

G. Horizontal green and magenta lines are converged by varying the two tabs together, keeping the angle between them constant.

4.4 EDID CONTENTS

	0	1	2	3	4	5	6	7	8	9
0	00	FF	FF	FF	FF	FF	FF	00	5A	63
10	1B	85	01	01	01	01	01	0E	01	03
20	1D	1C	15	B0	2A	E0	58	9F	54	46
30	9B	24	10	48	4C	FF	F8	00	45	59
40	31	59	01	01	01	01	01	01	01	01
50	01	01	01	01	F9	15	20	F8	30	58
60	1F	20	20	40	13	00	0E	CA	10	00
70	00	1E	00	00	00	FF	00	50	4C	36
80	30	34	30	31	30	30	30	30	31	0A
90	00	00	00	FD	00	32	78	1E	36	08
100	00	0A	20	20	20	20	20	20	00	00
110	00	FC	00	51	35	31	2D	39	0A	20
120	20	20	20	20	20	20	00	A4		

5. CIRCUIT DESCRIPTION

5.1 MICRO CONTROLLER CIRCUIT

MICRO Controller

The IC101 contains a 8031 8-bit CPU core, 512 bytes of RAM, 32K bytes of ROM, 10 channel 8 bit PWM D/A converters, 4 channel A/D converters, 2 16 bit timer/counters, internal H-sync and V-sync signals processor providing mode detection, watch- dog timer preventing system from abnormal operation, and an I^2C bus interface.

H/V sync signals processor

The functions of the sync processor include polarity detection, H-SYNC & V-SYNC signals counting, and Programmable SYNC signals output, free running signal generator. Pin41/Pin42 are for the H-SYNC and V-SYNC input, Pin34/Pin33 will output the same signal as input sync signal without delay, and the polarity is setting in the positive. When no signal input, the Pin34 and Pin33 will output a free run signal for the monitor testing use.

On Screen Display Controller

The IC801 is designed for pre-amp and displaying the built-in characters or fonts onto monitor screen. The display operation is by transforming data and control information from micro controller to RAM through a serial data interface.

Pin14/15/16 are used to output the B/G/R-bias.
Pin21/20/19 are used to output the B/G/R-gain.
Pin5/6/7 are used to input the R/G/B signal.
Pin11/12 are SDA/SCL.

Pin22 is used for the automatic Beam Limiter input.

Pin1, V Fly back, required for OSD synchronization and is also used for vertical blanking of the video outputs.

Pin2, V ref Bypass, provides filtering for the internal voltage.

Pin3, Vref, sets the internal bias current level for optimum performance.

5.2 DEFLECTION CIRCUIT

The deflection circuit is achieved by a high performance and efficient solution IC 401 (TDA4841) for this monitor. All functions are controllable by IIC –bus.

The TDA4841 provides sync. Processing with full auto sync. Capability, a flexible SMPS block and an extensive set of geometry control facilities. Further the IC generates the drive waveforms for DC coupled vertical boosters such as TDA486*/TDA835*.

Horizontal Oscillator

The oscillator is of the relaxation type and requires a capacitor at pin29. A resistor from pin28 to ground determines the minimum oscillator frequency. A resistor from pin28 to pin27 defines the frequency range.

PLL 1 Phase Detector

The phase detector is a standard one using switched current sources. It compares the middle of H-sync with a fixed point on the oscillator saw-tooth voltage. The PLL loop filter is connected to Pin26.

PLL2 Phase Detector

This phase detector is similar to the PLL1 detector and compares the line fly back pulse with the oscillator saw-tooth voltage. The PLL2 detector thus compensates for the delay in the external H-deflection circuit by adjusting the phase of the HDRV output pulses. The phase between H-fly back and H-sync can be controlled at pin30.

X-ray Protection

The X-ray protection input pin2 provides a voltage detector with a precise threshold. If the voltage exceeds this threshold for a certain time, an internal latch switches the whole IC into protection mode. In this mode several pins are forced into defined states:

Pin6 (BDRV) is floating

Pin8 (HDRV) is floating

Pin13/12 (VOUT1 and VOUT2) are floating

Vertical Oscillator

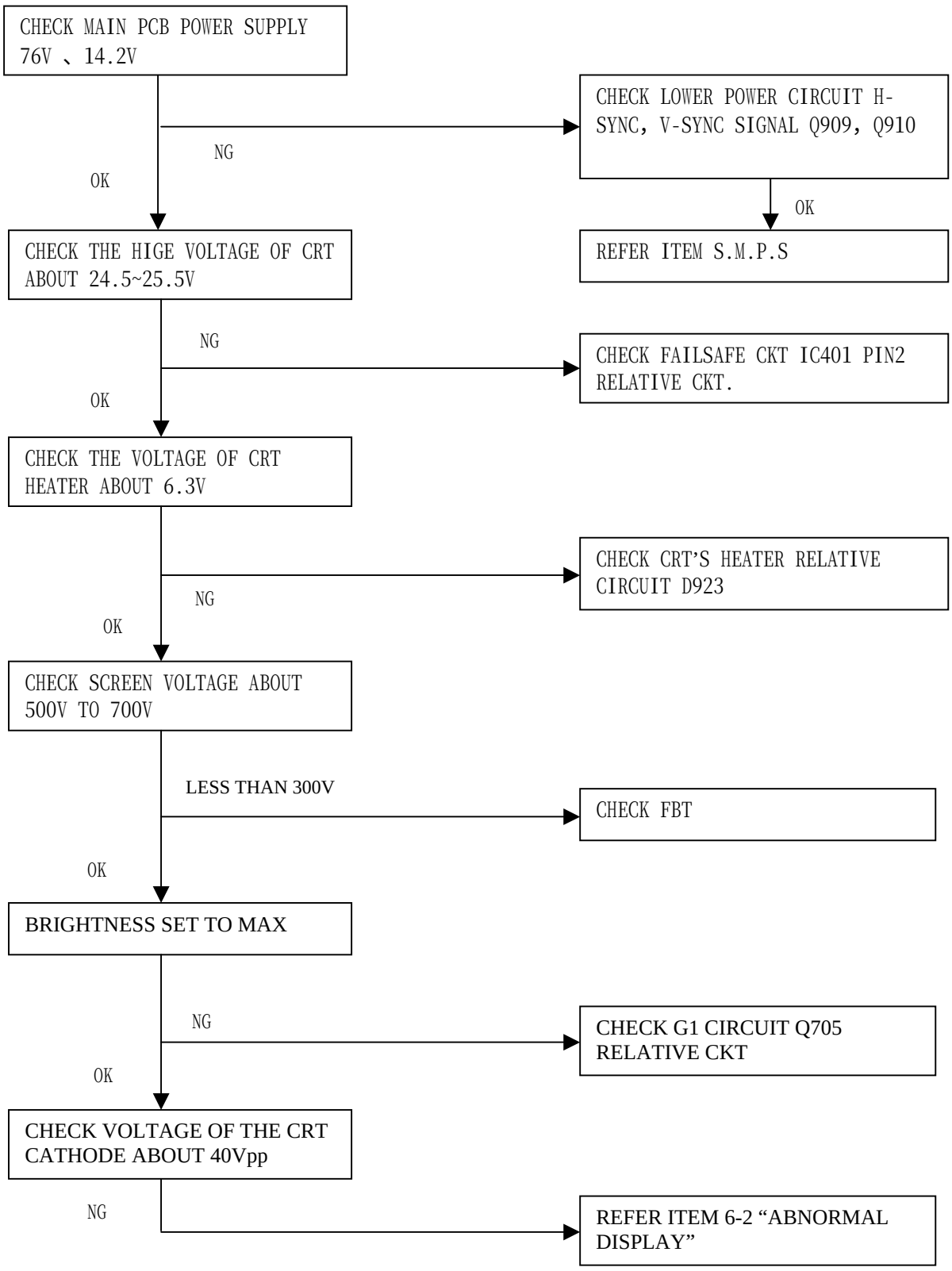
The vertical free –running the capacitor at pin24 and the resistor at pin23 determine frequency. Usually the free-running frequency should be lower than the minimum trigger frequency.

5.3 TRANSISTOR & DIODE CIRCUIT

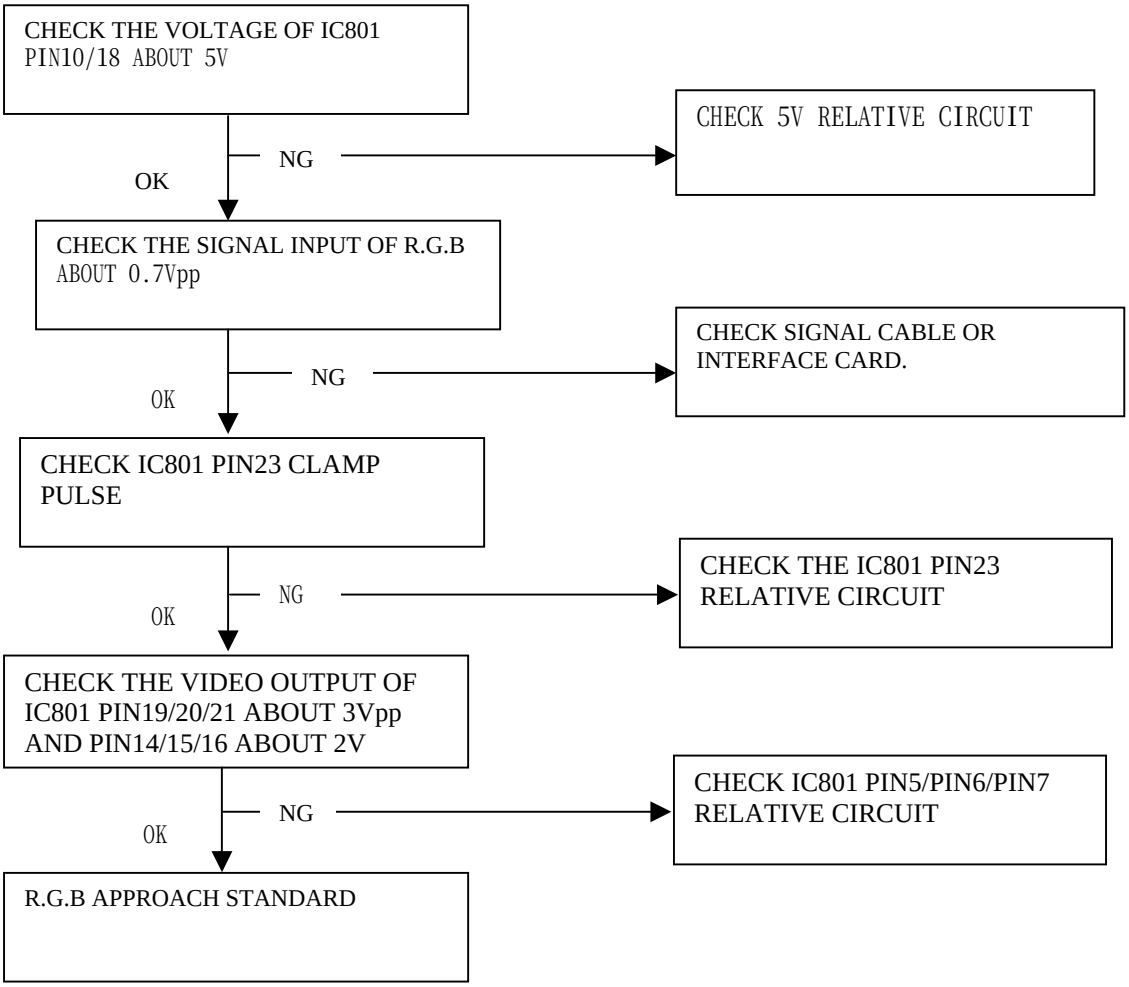
LOCATION	CIRCUIT FUNCTION DESCRIPTION
D901 ~ D904	BRIDGE RECTIFIER FOR AC SOURCE
D918, D919	RECTIFIER FOR OUTPUT VOLTAGE
D921	RECTIFIER FOR OUTPUT VOLTAGE
D922	RECTIFIER FOR OUTPUT VOLTAGE
D923	RECTIFIER FOR OUTPUT VOLTAGE
D925	RECTIFIER FOR B+ OUTPUT VOLTAGE
D929	B+ FEED BACK RECTIFIER FROM F.B.T PULSE
Q907, Q908	USE FOR OFF-MODE TO CUT-OFF 6.3V SUPPLY VOLTAGE
Q909, Q910	USE FOR OF- MODE TO CUT-OFF 14.2V SUPPLY VOLTAGE
Q912, Q920	PUSH-PULL TOPOLOGY TO DRIVE Q911
Q913	DEGAUSSING SWITCHER TRANSISTOR
Q921	5V REGULATOR TRANSISTOR
Q401	TURN-ON AT POWER ON/OFF AND CHANGE MODE TO PROTECT HOR.BLOCK
Q460	HOR. DRIVER TRANSISTOR
Q408	AS A SWITCHER FOR HORIZONTAL S CORRECTION CKT
Q410	HORIZONTAL S CORRECTION CONTROL MOSFET
Q404, Q405	AS DIFFERENTIAL AMP. TO DRIVE Q406
Q406	DARLINGTON TRANSISTOR FOR H-SIZE CONTROL
Q705	G1 CONTROL CKT

6. TROUBLE SHOOTING CHART

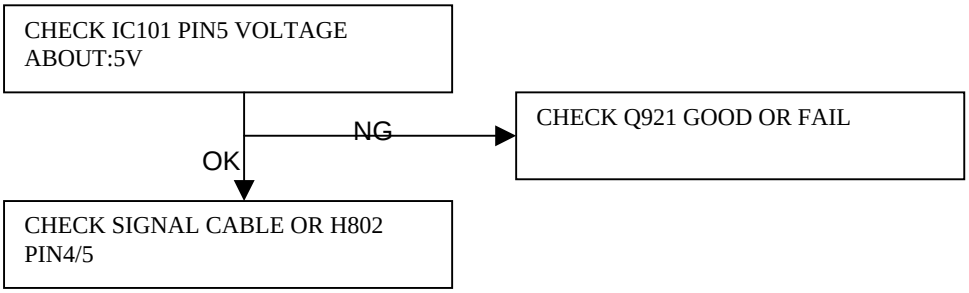
6.1 NO RASTER, CRT RELATIVE CIRCUIT PROBLEMS



2.ABNORMAL VIDEO LEVEL ON SCREEN

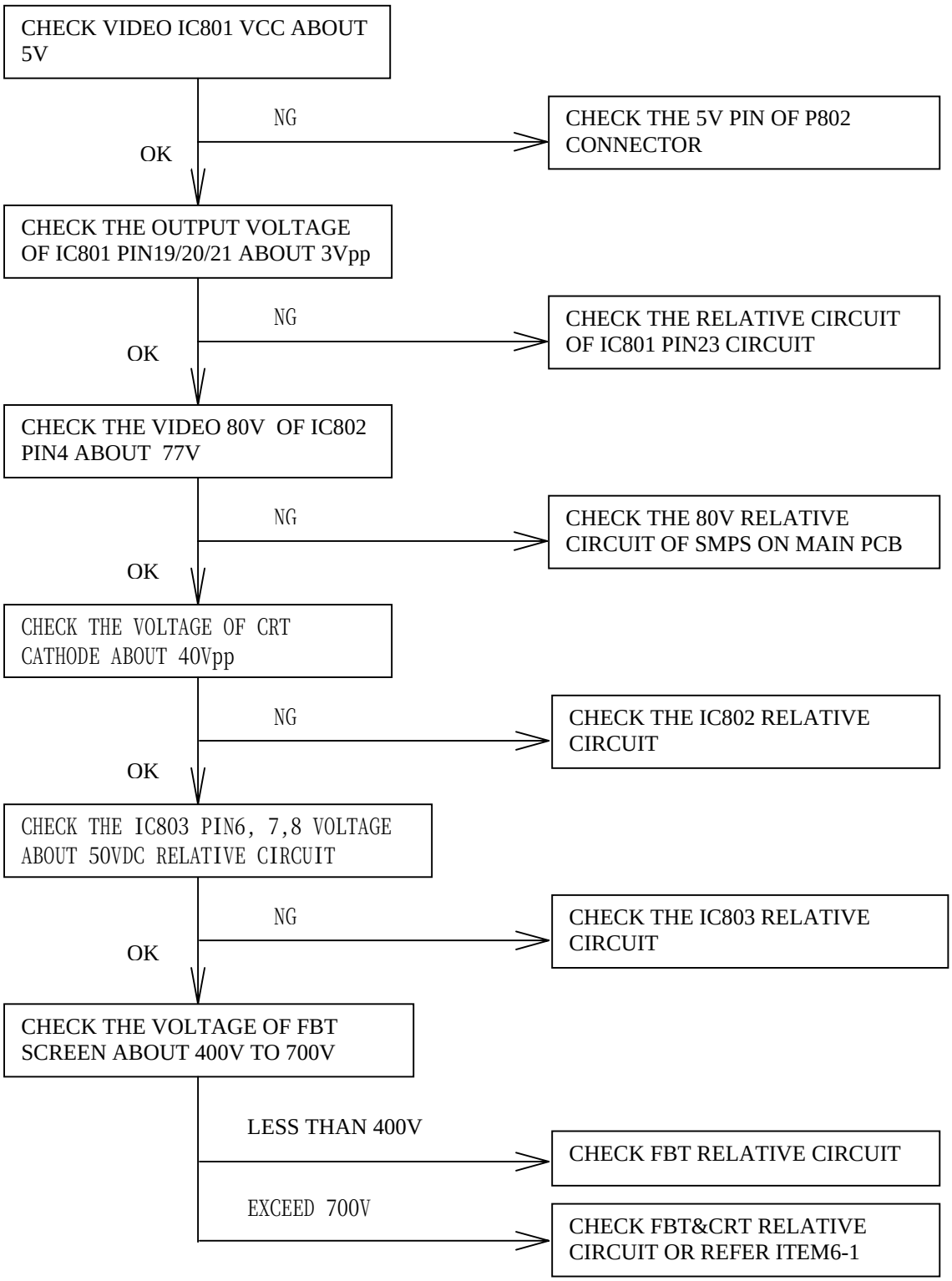


3.ABNORMAL DDC (PLUG & PLAY)

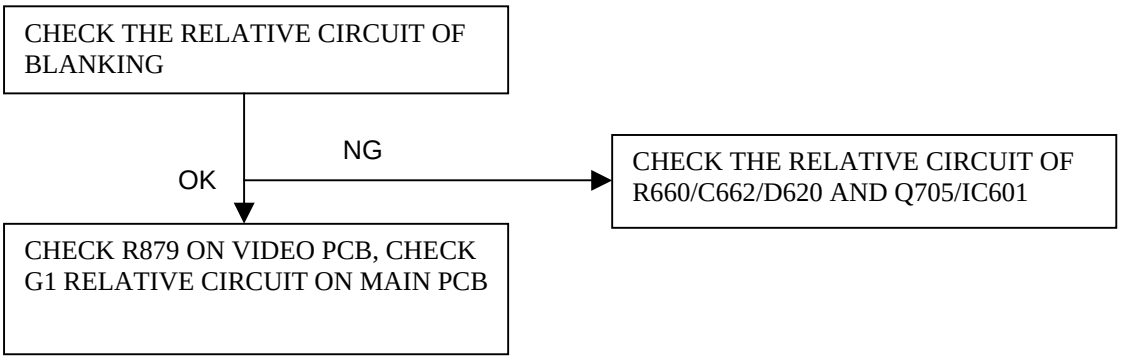


6.2 ABNORMAL DISPLAY

NO SIGNAL ON SCREEN

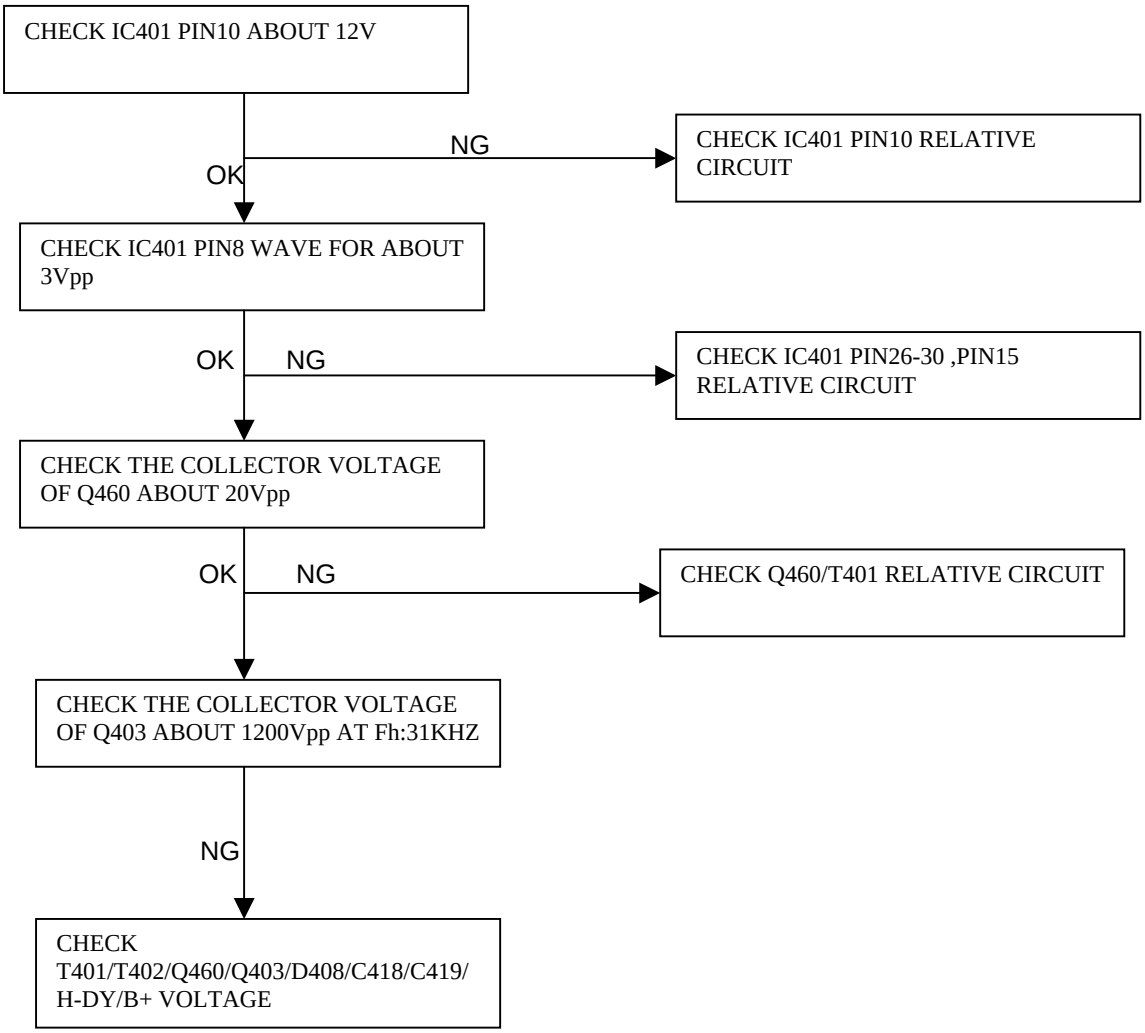


6.3 NO BLANKING



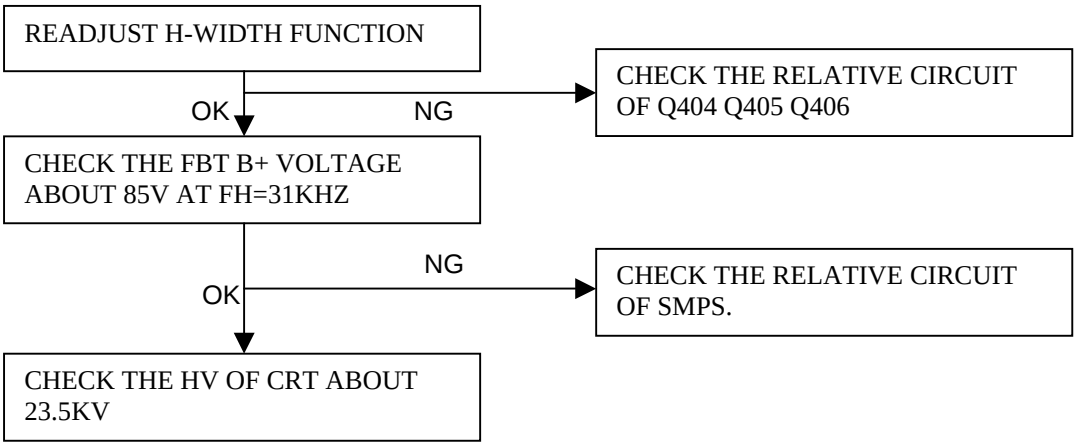
6.4 HOR./OSC/DEF/HV CIRCUIT FAULT

NO RASTER (DISCONNECT WITH SIGNAL CABLE)

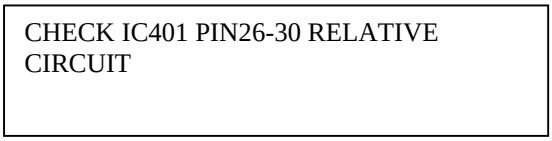


6.5 ABNORMAL HORIZONTAL DEFLECTION

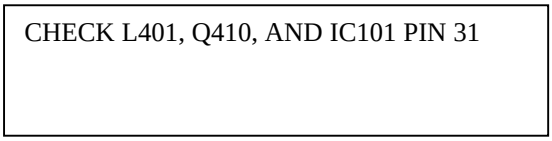
1．ABNORMAL HORIZONTAL WIDTH OF VIDEO



2. ABNORMAL HORIZONTAL VIDEO CENTER

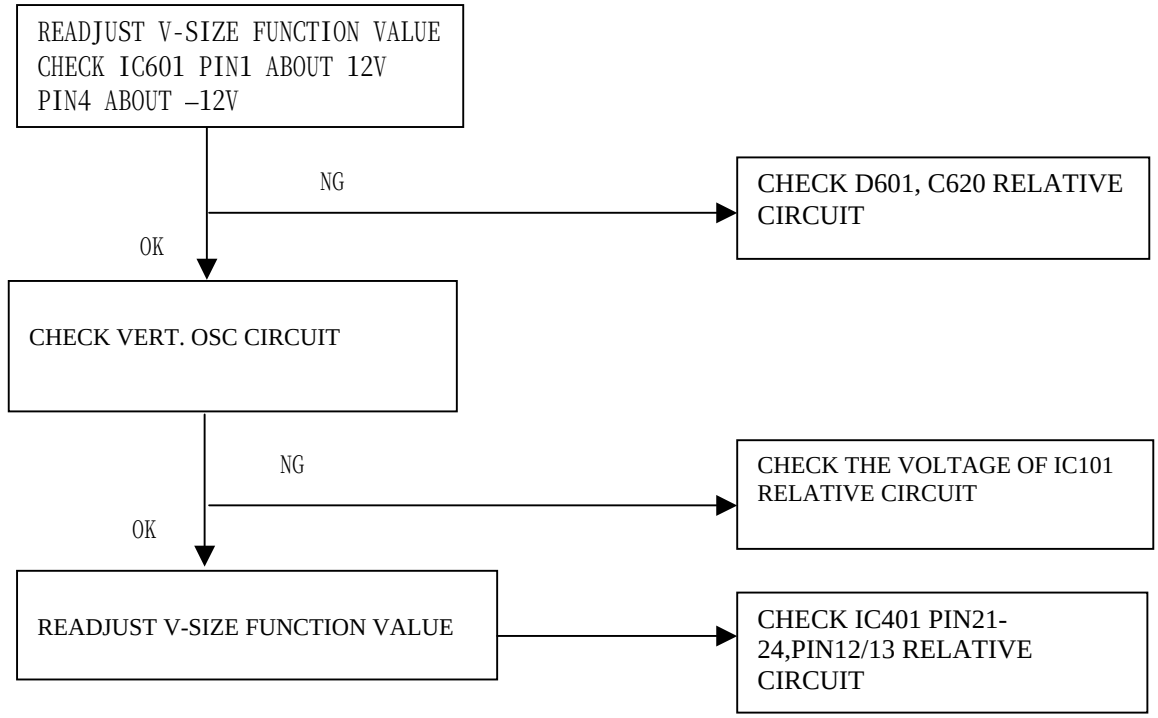


3. ABNORMAL HORIZONTAL LINEARITY

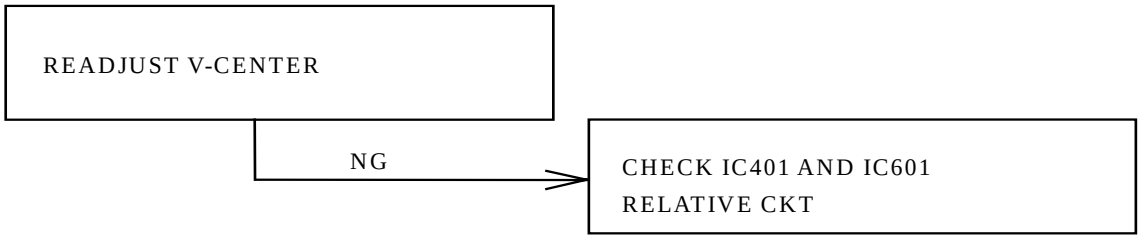


6. 6 ABNORMAL VERTICAL SCANNING

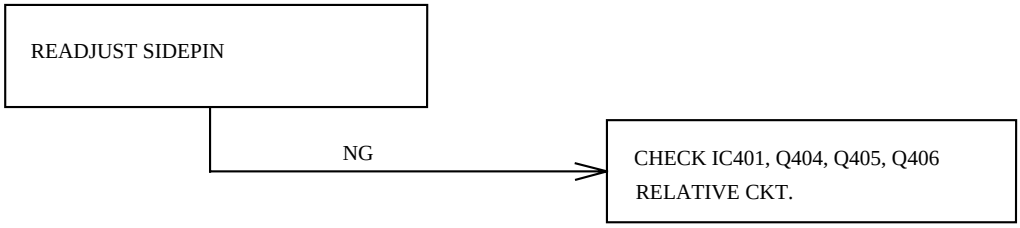
1. ABNORMAL VERTICAL SIZE



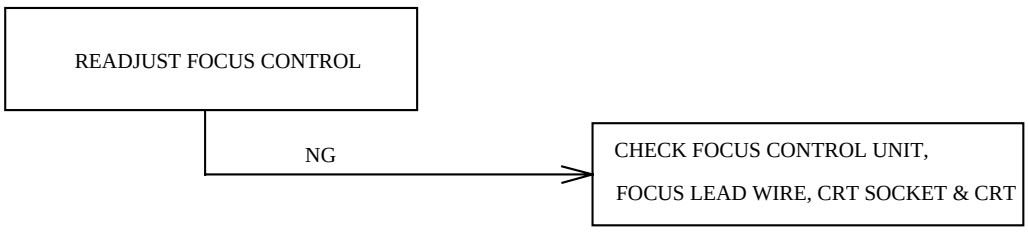
2. VERTICAL CENTER



6. 7 SIDE-PINCUSHION Distortions

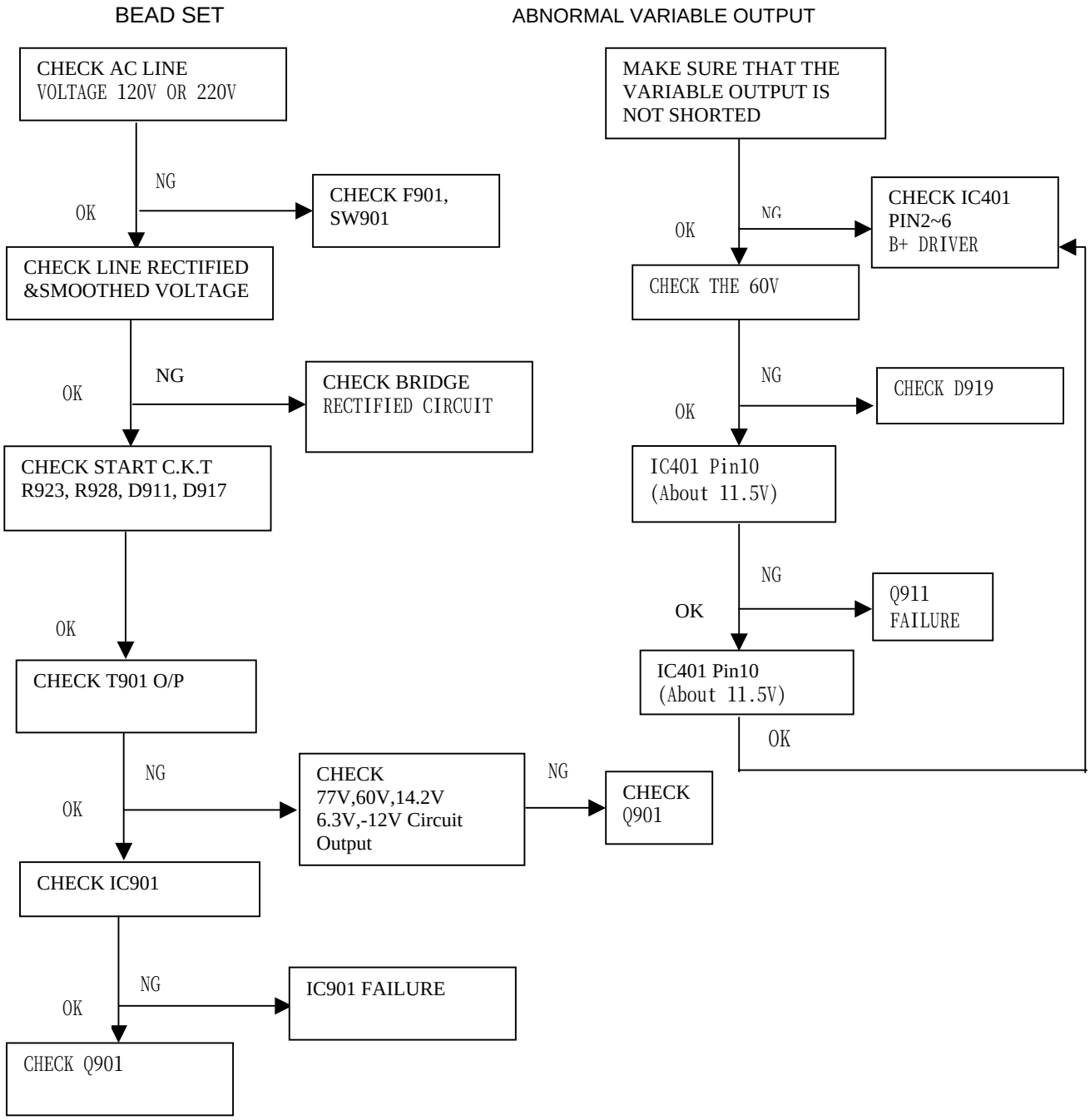


6.8 POOR Focuses



6.9 POWER SUPPLY TROUBLE SHOOTING CHART

BEFORE CHECK SW.REG. PLEASE REFER TO THE POWER SUPPLY BLOCK DIAGRAM
POWER SUPPLY OUTPUT: (A) VARIABLE OUTPUT: 80V - 160V
(DEPENDING EPENDING UPON H.SYNC FREQUENCY)
(B) CONSTANT OUTPUT: 6.3V, 14.2V, -12V, 60V AND 77V



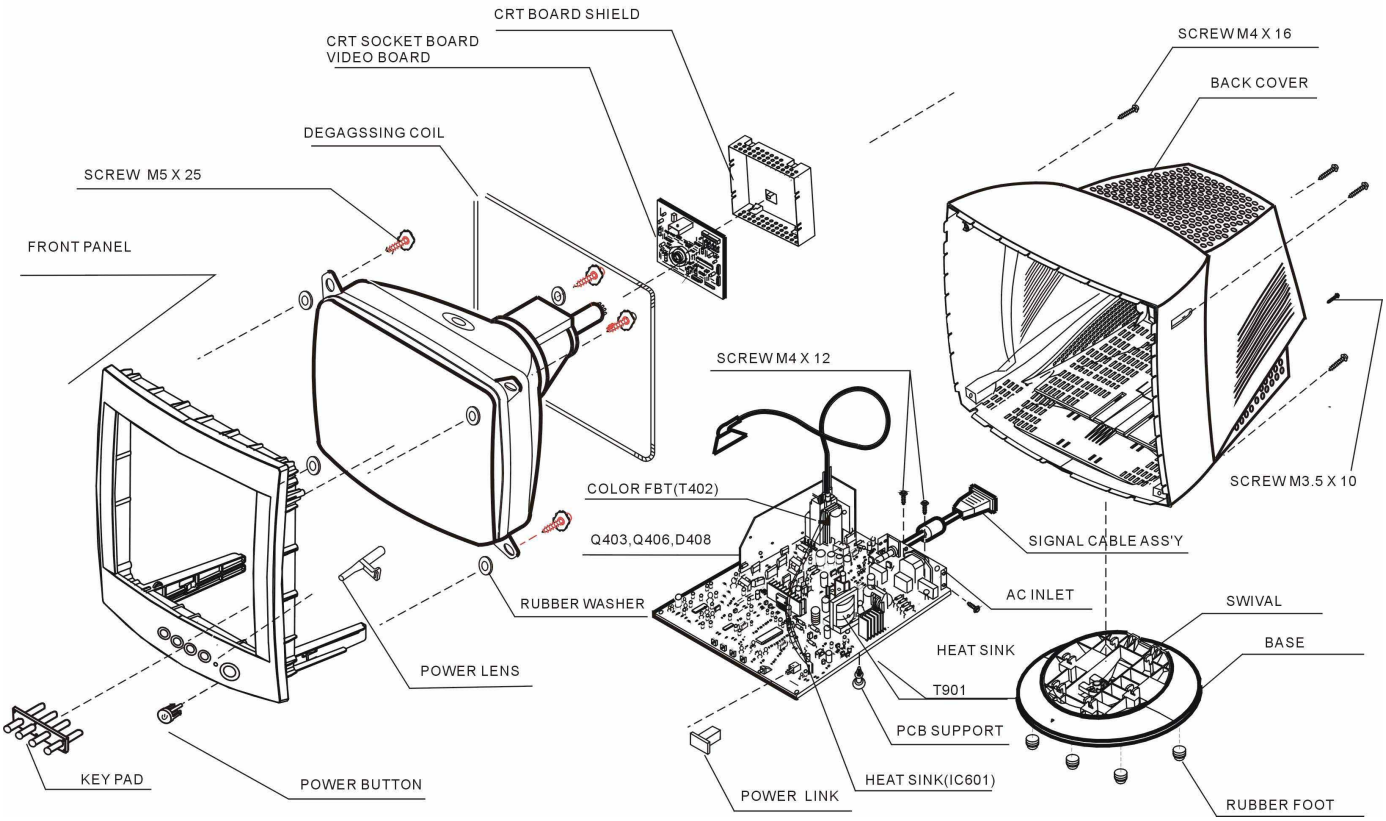
6.10 Lead-free product

1. Philips eliminated toxic substances like lead from its displays. Lead-free display helps protect your health and promotes environmentally sound recovery and disposal of waste from electrical and electronic equipment.

2. Philips complies with the European Community stringent RoHS Directive mandating restrictions on hazardous substances in electrical and electronic equipment.

3. With Philips, you can be confident that your display device does not harm the environment.

7. MECHANICAL OF CABINET FRONT DIS-ASSEMBLY



8. BOM LIST

Acc

105G78/05

Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28047	3138 106 10465	BEZEL ASSY
11	9965 000 28048	34C6015CFMA	BEZEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28051	33C4074FMA	KEY PAD
10	9965 000 28052	3138 106 10466	BASE ASSY
15	9965 000 28053	34C733FML	SWIVEL
16	9965 000 28054	34C734FML	BASE
17	9965 000 28055	34C755FMA	BACK COVER
18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
23	9965 000 28061	89C71B5DHBAF	SIGNAL CABLE
24	9965 000 28062	89C410A15NBL	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28047	3138 106 10465	BEZEL ASSY
11	9965 000 28048	34C6015CFMA	BEZEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28051	33C4074FMA	KEY PAD
10	9965 000 28052	3138 106 10466	BASE ASSY
15	9965 000 28053	34C733FML	SWIVEL
16	9965 000 28054	34C734FML	BASE
17	9965 000 28055	34C755FMA	BACK COVER
18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM

20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
23	9965 000 28061	89C71B5DHBAF	SIGNAL CABLE
24	9965 000 29211	89C404A15NYH	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28047	3138 106 10465	BEZEL ASSY
11	9965 000 28048	34C6015CFMA	BEZEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28051	33C4074FMA	KEY PAD
10	9965 000 28052	3138 106 10466	BASE ASSY
15	9965 000 28053	34C733FML	SWIVEL
16	9965 000 28054	34C734FML	BASE
17	9965 000 28055	34C755FMA	BACK COVER
18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
23	9965 000 28061	89C71B5DHBAF	SIGNAL CABLE
24	9965 000 28653	89C419A15NIS	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28047	3138 106 10465	BEZEL ASSY
11	9965 000 28048	34C6015CFMA	BEZEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28051	33C4074FMA	KEY PAD
10	9965 000 28052	3138 106 10466	BASE ASSY

15	9965 000 28053	34C733FML	SWIVEL
16	9965 000 28054	34C734FML	BASE
17	9965 000 28055	34C755FMA	BACK COVER
18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
24	9965 000 28066	89C417A15NIS	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28067	3138 106 10467	BEZEL ASSY
11	9965 000 28068	34C6015CGPA	BEZEL
12	9965 000 28069	33C4072GPA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28070	33C4074GPA	KEY PAD
9		3138 106 10479	BEZEL ASSY
11	9965 000 29215	34C6015BA5A	FRONT PANEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
10		3138 106 10468	BASE ASSY
15	9965 000 28072	34C733GPL	SWIVEL
16	9965 000 28073	34C734GPL	BASE
15	9965 000 29217	34C733A6L	SWIVEL
16	9965 000 29218	34C734A6L	BASE
17	9965 000 28074	34C755GPA	BACK COVER
18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
23	9965 000 28075	89C71F5DHBAF	SIGNAL CABLE
24	9965 000 28076	89C410E15NIS	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28067	3138 106 10467	BEZEL ASSY
11	9965 000 28068	34C6015CGPA	BEZEL
12	9965 000 28069	33C4072GPA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28070	33C4074GPA	KEY PAD
9		3138 106 10479	BEZEL ASSY
11	9965 000 29215	34C6015BA5A	FRONT PANEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
10		3138 106 10468	BASE ASSY
15	9965 000 28072	34C733GPL	SWIVEL
16	9965 000 28073	34C734GPL	BASE
15	9965 000 29217	34C733A6L	SWIVEL
16	9965 000 29218	34C734A6L	BASE
17	9965 000 28074	34C755GPA	BACK COVER
18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
23	9965 000 28075	89C71F5DHBAF	SIGNAL CABLE
24	9965 000 28654	89C402E15NYH	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28067	3138 106 10467	BEZEL ASSY
11	9965 000 28068	34C6015CGPA	BEZEL
12	9965 000 28069	33C4072GPA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28070	33C4074GPA	KEY PAD
9		3138 106 10479	BEZEL ASSY
11	9965 000 29215	34C6015BA5A	FRONT PANEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
10		3138 106 10468	BASE ASSY

15	9965 000 28072	34C733GPL	SWIVEL
16	9965 000 28073	34C734GPL	BASE
15	9965 000 29217	34C733A6L	SWIVEL
16	9965 000 29218	34C734A6L	BASE
17	9965 000 28074	34C755GPA	BACK COVER
18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
23	9965 000 28075	89C71F5DHBAF	SIGNAL CABLE
24	9965 000 29212	89C404E15NIS	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28067	3138 106 10467	BEZEL ASSY
11	9965 000 28068	34C6015CGPA	BEZEL
12	9965 000 28069	33C4072GPA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28070	33C4074GPA	KEY PAD
9		3138 106 10479	BEZEL ASSY
11	9965 000 29215	34C6015BA5A	FRONT PANEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
10		3138 106 10468	BASE ASSY
15	9965 000 28072	34C733GPL	SWIVEL
16	9965 000 28073	34C734GPL	BASE
15	9965 000 29217	34C733A6L	SWIVEL
16	9965 000 29218	34C734A6L	BASE
17	9965 000 28074	34C755GPA	BACK COVER
18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
23	9965 000 28075	89C71F5DHBAF	SIGNAL CABLE
24	9965 000 28655	89C419E15NIS	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28067	3138 106 10467	BEZEL ASSY
11	9965 000 28068	34C6015CGPA	BEZEL
12	9965 000 28069	33C4072GPA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28070	33C4074GPA	KEY PAD
9		3138 106 10479	BEZEL ASSY
11	9965 000 29215	34C6015BA5A	FRONT PANEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
10		3138 106 10468	BASE ASSY
15	9965 000 28072	34C733GPL	SWIVEL
16	9965 000 28073	34C734GPL	BASE
15	9965 000 29217	34C733A6L	SWIVEL
16	9965 000 29218	34C734A6L	BASE
17	9965 000 28074	34C755GPA	BACK COVER
18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
23	9965 000 28075	89C71F5DHBAF	SIGNAL CABLE
24	9965 000 28657	89C414E15NIS	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 28044	750A59321AVPH	PHILIPS 15"48K MPRII CR
6	9965 000 28045	CMS554B1PHPSDI	MAIN PCB ASSY - SDI
7	9965 000 28046	750A59441AVSDI	SDI(M)15"0.28 MPRII CRT
9	9965 000 28067	3138 106 10467	BEZEL ASSY
11	9965 000 28068	34C6015CGPA	BEZEL
12	9965 000 28069	33C4072GPA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 28070	33C4074GPA	KEY PAD
10		3138 106 10468	BASE ASSY
15	9965 000 28072	34C733GPL	SWIVEL
16	9965 000 28073	34C734GPL	BASE
17	9965 000 28055	34C755FMA	BACK COVER
17	9965 000 28074	34C755GPA	BACK COVER

18	9965 000 28056	44C65478132C	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28059	45C881RN	PE BAG FOR MONITOR
22	9965 000 28060	70C6048131C	CD MANUAL
23	9965 000 28075	89C71F5DHBAF	SIGNAL CABLE
24	9965 000 28077	89C417E15N IS	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
5	9965 000 29214	750C5V321AVPH	LPD-HF 15" CV MPRII CRT
9		3138 106 10479	BEZEL ASSY
11	9965 000 29215	34C6015BA5A	FRONT PANEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 29216	33C4074A5A	KEY PAD
15	9965 000 29217	34C733A6L	SWIVEL
16	9965 000 29218	34C734A6L	BASE
17	9965 000 29219	34C755A6A	BACK COVER
18	9965 000 29220	44C65478134A	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28064	45C7628RN	PE BAG FOR MONITOR
22	9965 000 29221	70C6048132A	CD MANUAL
23	9965 000 28061	89C71B5DHBAF	SIGNAL CABLE
24	9965 000 28062	89C410A15NBL	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

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Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY(CHASS) - CPT
3	9965 000 28042	750C59105AVCPT	CPT 15" CV MPRII A CRT
4	9965 000 28043	CMS554B1PHPPH	MAIN PCB ASSY - PH
4	9965 000 30283	AMS554B1PHP	MAIN PCB ASSY - PH
5	9965 000 29214	750C5V321AVPH	LPD-HF 15" CV MPRII CRT
5	9965 000 30284	750C5V105AV	CPT 15" CV MPRII CRT
9		3138 106 10479	BEZEL ASSY
11	9965 000 29215	34C6015BA5A	FRONT PANEL
12	9965 000 28049	33C4072FMA	POWER BUTTON
13	9965 000 28050	33C40731	POWER LED LENS
14	9965 000 29216	33C4074A5A	KEY PAD

		3138 106 10480	BASE ASSY
15	9965 000 29217	34C733A6L	SWIVEL
16	9965 000 29218	34C734A6L	BASE
17	9965 000 29219	34C755A6A	BACK COVER
18	9965 000 29220	44C65478134A	CARTON
19	9965 000 28057	44C65531	EPS FOAM
20	9965 000 28058	44C65532	EPS FOAM
21	9965 000 28064	45C7628RN	PE BAG FOR MONITOR
22	9965 000 29221	70C6048132A	CD MANUAL
23	9965 000 28061	89C71B5DHBAF	SIGNAL CABLE
24	9965 000 28062	89C410A15NBL	POWER CORD
25	9965 000 28063	750C1697503NA	ROTATION COIL
26	9965 000 28064	45C7628RN	PE BAG FOR MANUAL
27	9965 000 28065	33C4020YA	S.C.CAP

main-all

Location	Philips Parts No	TPV Parts No	Description
2	9965 000 28041	CMS554B1PHPCPT	MAIN PCB ASSY - CPT
C101	9965 000 28078	65C4424709T	47pF/50V SL
C102	9965 000 28079	67C3094707T	47UF +-20% 50V
C103	9965 000 28080	65C4501047T	0.1UF +80-20% 50V Y5V
C105	9965 000 28080	65C4501047T	0.1UF +80-20% 50V Y5V
C106	9965 000 28081	67C3093307T	33UF +-20% 50V
C107	9965 000 28089	65C44222013T	22PF +-5% NPO 50V
C108	9965 000 28089	65C44222013T	22PF +-5% NPO 50V
C111	9965 000 28080	65C4501047T	0.1UF +80-20% 50V Y5V
C120	9965 000 28090	65C44410313T	10000PF +-10% Z5P 50V
C146	9965 000 28091	67C3051007T	10UF +-20% 50V
C160	9965 000 28092	65C44215113T	150PF +-5% NPO 50V
C161	9965 000 28317	65C44210113T	100PF +-5% NPO 50V
C162	9965 000 28093	65C44410213T	1000PF +-10% Y5P 50V
C163	9965 000 28092	65C44215113T	150PF +-5% NPO 50V
C164	9965 000 28082	64C701J2240AT	0.22uF/50V +-5%
C168	9965 000 28083	67C3091003T	10UF +-20% 16V
C404	9965 000 28084	64C45G1031AT	.01UF +-2% 100V
C405	9965 000 28080	65C4501047T	0.1UF +80-20% 50V Y5V
C406	9965 000 28085	67C3094713T	470UF +-20% 16V
C407	9965 000 28317	65C44210113T	100PF +-5% NPO 50V
C408	9965 000 28317	65C44210113T	100PF +-5% NPO 50V
C413	9965 000 28086	67C3094797T	4.7UF +-20% 50V
C414	9965 000 28094	63C212J1042AT	MPE 0.1UF/250V +-5%
C415	9965 000 28095	64C44J4721AT	4700PF 100V PEI
C417	9965 000 28082	64C701J2240AT	0.22uF/50V +-5%
C418	9965 000 28096	63C210J4328CC	4.3nF/2KV +-5%
C419	9965 000 28097	63C210J4728CC	4.7nF/2KV +-5%
C421	9965 000 28098	65C1K1521T6921	1.5NF/1KV Z5F+-10%
C422	9965 000 28099	64C100J10559	1uF 100V +-5%
C423	9965 000 28100	65C4443325T	3300PF 10% 50V Y5P
C425	9965 000 28101	63C210J3343CU	.33UF 5% 400V FOR CAMEL
C427	9965 000 28102	63C210J4342CU	0.43UF 250V
C428	9965 000 28088	64C700J1040AT	0.1uF/50V +-5%

C430	9965 000 28103	65C517K1022T	1000PF 10% Z5P 500V
C433	9965 000 28087	67C3092207T	22UF +-20% 50V
C434	9965 000 28087	67C3092207T	22UF +-20% 50V
C435	9965 000 28104	64C45G8221AT	8200PF 2% 100V
C437	9965 000 28088	64C700J1040AT	0.1uF/50V +-5%
C446	9965 000 28317	65C44210113T	100PF +-5% NPO 50V
C447	9965 000 28318	64C700J1030AT	0.01UF 50V +-5%
C449	9965 000 28319	67C3091007T	10UF +-20% 50V
C460	9965 000 28320	64C44J3331AT	0.033u/100V
C463	9965 000 28105	64C44J1031AT	.01UF +-5% 100V
C466	9965 000 28106	64C700J1020AT	PEN 0.001UF/50V +-5%
C468	9965 000 28107	65C4441025T	1000 PF 10% 50V Y5P
C601	9965 000 28107	65C4441025T	1000 PF 10% 50V Y5P
C602	9965 000 28108	64C178J1041T	C121X 0.1UF 100V +-5%
C603	9965 000 28109	64C178J4721T	4700PF 100V
C607	9965 000 28110	64C178J2230T	MPE 0.022uF 63V
C611	9965 000 28082	64C701J2240AT	0.22uF/50V +-5%
C613	9965 000 28111	64C176J1040T	0.1UF 5% 63V
C614	9965 000 28317	65C44210113T	100PF +-5% NPO 50V
C620	9965 000 28112	67C3054707T	47UF +-20% 50V
C621	9965 000 28113	67C3054713T6371	470UF +-20% 16V
C626	9965 000 28114	64C700J4720AT	4.7NF 100V +-5%
C660	9965 000 28113	67C3054713T6371	470UF +-20% 16V
C661	9965 000 28080	65C4501047T	0.1UF +80-20% 50V Y5V
C662	9965 000 28115	64C178J8221T	CL21X 8200PF 100V +-5%
C701	9965 000 28080	65C4501047T	0.1UF +80-20% 50V Y5V
C710	9965 000 28116	63C212J2242AT	220NF 250V +-5%
C712	9965 000 28117	67C602297T	2.2UF +-20% 50V
C713	9965 000 28118	67C30922011	22UF +-20% 200V
C725	9965 000 28119	64C178J2221T	CL21X 2200PF 100V +-5%
C901	9965 000 28120	63C107K224U	0.22UF +-10% 250VAC X2
C902	9965 000 28121	63C107K334U	MPX 0.33UF,275VAC,+-10%
C907	9965 000 28122	67C3015115X	150UF 450V
C910	9965 000 28123	67C3051013T	100UF +-20% 16V
C911	9965 000 28124	65C44218113T	180PF +-5% NPO 50V
C915	9965 000 28125	65C2M1033B6921	0.01UF 2KV 20% Z5U
C916	9965 000 28126	67C3051014T	100UF +-20% 25V
C917	9965 000 28127	67C3092297T	2.2UF +-20% 50V
C918	9965 000 28128	64C44J3321AT	3300PF 100V PEI
C920	9965 000 28129	64C44J1521AT	1500PF/100V
C921	9965 000 28088	64C700J1040AT	0.1uF/50V +-5%
C922	9964 000 28130	65C517M1033T6921	10NF 500V
C923	9965 000 28131	65C1K3315T6921	330PF/1KV Y5P+-10%
C924	9965 000 28132	64C44J2221AT	2200PF 100V PEI
C925	9965 000 28091	67C3051007T	10UF +-20% 50V
C927	9965 000 28105	64C44J1031AT	.01UF +-5% 100V
C929	9965 000 28133	65C517K1031A6921	10000PF Z5F 500V +-10%
C931	9965 000 28134	67C3051019	100UF +-20% 100V
C934	9965 000 28135	67C3052214T	220UF +-20% 25V
C936	9965 000 28136	67C3051024	1000UF +-20% 25V
C937	9965 000 28137	67C3094714	470UF +-20% 25V
C939	9965 000 28138	67C3053313T	330UF +-20% 16V
C941	9965 000 28088	64C700J1040AT	0.1uF/50V +-5%
C943	9965 000 28139	64C45G2221AT	.0022UF +-2% 100V

C945	9965 000 28088	64C700J1040AT	0.1uF/50V +-5%
C946	9965 000 28140	63C212J2232AT	22NF 250V +-5%
C950	9965 000 28141	65C1K2215T6921	220PF/1KV Y5P+-10%
C951	9965 000 28142	67C21547011K	47UF +-20% 200V ELITE
C955	9965 000 28141	65C1K2215T6921	220PF/1KV Y5P+-10%
C960	9965 000 28143	65C305M4722B2	4700PF +-20% 400VAC ACF
C963	9965 000 28143	65C305M4722B2	4700PF +-20% 400VAC ACF
C964	9965 000 28143	65C305M4722B2	4700PF +-20% 400VAC ACF
C966	9965 000 28079	67C3094707T	47UF +-20% 50V
C971	9965 000 28123	67C3051013T	100UF +-20% 16V
C990	9965 000 28144	67C3091097T	1.0UF +-20% 50V
C991	9965 000 28319	67C3091007T	10UF +-20% 50V
C995	9965 000 28095	64C44J4721AT	4700PF 100V PEI
D106	9965 000 28145	93C641152T	IN4148
D107	9965 000 28145	93C641152T	IN4148
D120	9965 000 28145	93C641152T	IN4148
D121	9965 000 28145	93C641152T	IN4148
D167	9965 000 28145	93C641152T	IN4148
D402	9965 000 28145	93C641152T	IN4148
D405	9965 000 28146	93C10021F52T	1N5817
D406	9965 000 28147	93C1060652T	F R D BYV26C
D407	9965 000 28148	93C6021P52T	PS156R
D408	9965 000 28149	93C22012	FMP-2FUR 1500/600V 5A S
D414	9965 000 28150	93C6038T52T	FR103
D415	9965 000 28151	93C6026W52T	FR107
D420	9965 000 28145	93C641152T	IN4148
D427	9965 000 28152	93C5247P52T	1N4004
D434	9965 000 28145	93C641152T	IN4148
D450	9965 000 28145	93C641152T	IN4148
D460	9965 000 28145	93C641152T	IN4148
D601	9965 000 28152	93C5247P52T	1N4004
D603	9965 000 28145	93C641152T	IN4148
D620	9965 000 28145	93C641152T	IN4148
D703	9965 000 28145	93C641152T	IN4148
D706	9965 000 28147	93C1060652T	F R D BYV26C
D901	9965 000 28153	93C5255P52T	1N5408 PEC
D902	9965 000 28153	93C5255P52T	1N5408 PEC
D903	9965 000 28153	93C5255P52T	1N5408 PEC
D904	9965 000 28153	93C5255P52T	1N5408 PEC
D910	9965 000 28147	93C1060652T	F R D BYV26C
D911	9965 000 28147	93C1060652T	F R D BYV26C
D913	9965 000 28145	93C641152T	IN4148
D914	9965 000 28145	93C641152T	IN4148
D917	9965 000 28154	93C10403Z52T	F.R.D TBA157 1A/400V
D918	9965 000 28147	93C1060652T	F R D BYV26C
D919	9965 000 28155	93C6073A	F R D 3A/400V 31DF4/I.R
D921	9965 000 28154	93C10403Z52T	F.R.D TBA157 1A/400V
D922	9965 000 28156	93C304010E52T	UF304G
D923	9965 000 28157	93C30206P52T	UF302G
D925	9965 000 28156	93C304010E52T	UF304G
D926	9965 000 28145	93C641152T	IN4148
D928	9965 000 28145	93C641152T	IN4148
D929	9965 000 28154	93C10403Z52T	F.R.D TBA157 1A/400V
D939	9965 000 28145	93C641152T	IN4148

D990	9965 000 28145	93C641152T	IN4148
D995	9965 000 28145	93C641152T	IN4148
F901	9965 000 28158	84C7H315SL	FUSE 3.15A 250V LF6183.
FB101	9965 000 28159	71C559T	C CORE RF BEAD RH 3.5X6X0
FB401	9965 000 28160	71C5519T	FERRITE BEAD 9X3.5X0.8
FB402	9965 000 28160	71C5519T	FERRITE BEAD 9X3.5X0.8
FB403	9965 000 28160	71C5519T	FERRITE BEAD 9X3.5X0.8
FB405	9965 000 28161	71C5529	FERRITE BEAD
FB902	9965 000 28159	71C559T	C CORE RF BEAD RH 3.5X6X0
FB903	9965 000 28160	71C5519T	FERRITE BEAD 9X3.5X0.8
FB904	9965 000 28160	71C5519T	FERRITE BEAD 9X3.5X0.8
FB905	9965 000 28160	71C5519T	FERRITE BEAD 9X3.5X0.8
FB906	9965 000 28159	71C559T	C CORE RF BEAD RH 3.5X6X0
FB907	9965 000 28160	71C5519T	FERRITE BEAD 9X3.5X0.8
FB908	9965 000 28159	71C559T	C CORE RF BEAD RH 3.5X6X0
H803	9965 000 28162	95C80136604	HARNESS
IC101	9965 000 28163	56C1125567	NT6865UG-30099 42PIN
IC102	9965 000 24454	56A1133513	AT24C08A-10PI-2.7
IC401	9965 000 28164	56C5522	TDA4841PS/PHILIPS
IC601	9965 000 28165	56C5841A	TDA4863A/PHILIPS
IC901	9965 000 24457	56A37912	A 8PIN IC UC3842AM/LIN
J115	9965 000 28160	71C5519T	FERRITE BEAD 9X3.5X0.8
L101	9965 000 28166	73C5333910T	3.3UH +-10%
L401	9965 000 28167	73C14748NH	LINEARITY COIL
L405	9965 000 28168	73C25368HP	CHOKE COIL
L901	9965 000 28169	73A1747G6906	LINE CHOKE
L903	9965 000 28170	73C259501T	CHOKE COIL
L905	9965 000 28160	71C5519T	FERRITE BEAD 9X3.5X0.8
L906	9965 000 28171	73C25390ASB	CHOKE COIL
LED1	9965 000 28172	81C102P	LED
MTG T4	9965 000 28173	071C1008	FERRITE CORE 12*25*15
NR601	9965 000 28174	61C58101WT	NTCR100OHM +-15%
NR901	9965 000 28175	61C588T	NTCR
PR901	9965 000 28176	61C52274T	PTCR 9OHM+-20% 220V GAO
Q401	9965 000 28177	57C419PPT	2PC945
Q403	9965 000 28178	57C706506	2SC5928
Q404	9965 000 28179	57C420PPT	2PA733P PHILIPS PNP TRA
Q405	9965 000 28179	57C420PPT	2PA733P PHILIPS PNP TRA
Q406	9965 000 28180	57C4151	A TR.NPN TIP122/FAIRCHILD
Q408	9965 000 28177	57C419PPT	2PC945
Q410	9965 000 28181	57C60028	IRF630B
Q414	9965 000 28182	57C419503T	2SC945P
Q460	9965 000 28183	57C6873A	B2N6718L-B
Q701	9965 000 28177	57C419PPT	2PC945
Q702	9965 000 28179	57C420PPT	2PA733P PHILIPS PNP TRA
Q705	9965 000 28184	57C4981T	BF423
Q706	9965 000 28177	57C419PPT	2PC945
Q901	9965 000 28185	57C7244A	MOSFET
Q901	9965 000 24474	57A667504	POWER MOSFET 2SK2544
Q907	4822 130 42426	57A7281	A 2SB772 Q/NEC
Q908	9965 000 28186	57C419SGT	KSC945C-G TA FAIRCHILD
Q909	9965 000 28187	57C20151A	2SB772-P
Q910	9965 000 28177	57C419PPT	2PC945
Q911	9965 000 28188	57C60027	IRF634B

Q912	9965 000 28189	57C4461T	2SC1213ACTZ-E
Q913	9965 000 28177	57C419PPT	2PC945
Q915	9965 000 28189	57C4461T	2SC1213ACTZ-E
Q920	9965 000 28190	57C6191AT	2SA673AC
Q921	9965 000 28189	57C4461T	2SC1213ACTZ-E
Q990	9965 000 28177	57C419PPT	2PC945
R100	9965 000 28191	61C60247252T	CFR 4.7K OHM+-5% 1/6W
R104	9965 000 28192	61C60222252T	CFR 2.2K OHM +-5% 1/6W
R106	9965 000 28193	61C60230352T	CFR 30K OHM+-5% 1/6W
R108	9965 000 28194	61C60251252T	CFR 5.1K OHM+-5% 1/6W
R109	9965 000 28194	61C60251252T	CFR 5.1K OHM+-5% 1/6W
R110	9965 000 28195	61C17220052T	CFR 20OHM+-5% 1/4W
R111	9965 000 28195	61C17220052T	CFR 20OHM+-5% 1/4W
R112	9965 000 28196	61C60210252T	CFR 1K OHM+-5% 1/6W
R115	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R116	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R117	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R122	9965 000 28198	61C60215152T	CFR 150 OHM +-5% 1/6W
R123	9965 000 28192	61C60222252T	CFR 2.2K OHM +-5% 1/6W
R124	9965 000 28199	61C60215252T	CFR 1.5K OHM +-5% 1/6W
R125	9965 000 28200	61C21022252T	MFR 2.2K OHM +- 1% 1/6W
R126	9965 000 28201	61C17220252T	CFR 2KOHM+-5% 1/4W
R127	9965 000 28202	61C21010252T	MFR 1K OHM +- 1% 1/6W
R128	9965 000 28202	61C21010252T	MFR 1K OHM +- 1% 1/6W
R129	9965 000 28203	61C21020252T	MFR 2KOHM +-1% 1/6W
R133	9965 000 28191	61C60247252T	CFR 4.7K OHM+-5% 1/6W
R135	9965 000 28199	61C60215252T	CFR 1.5K OHM +-5% 1/6W
R136	9965 000 28192	61C60222252T	CFR 2.2K OHM +-5% 1/6W
R141	9965 000 28192	61C60222252T	CFR 2.2K OHM +-5% 1/6W
R143	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R152	9965 000 28204	61C60230252T	CFR 3K OHM+-5% 1/6W
R153	9965 000 28205	61C60233252T	CFR 3.3K OHM+-5% 1/6W
R154	9965 000 28192	61C60222252T	CFR 2.2K OHM +-5% 1/6W
R156	9965 000 28205	61C60233252T	CFR 3.3K OHM+-5% 1/6W
R157	9965 000 28205	61C60233252T	CFR 3.3K OHM+-5% 1/6W
R160	9965 000 28206	61C60222152T	CFR 220 OHM +-5% 1/6W
R163	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R167	9965 000 28207	61C60256252T	CFR 5.6KOHM+-5% 1/6W
R168	9965 000 28208	61C21010352T	MFR 10K OHM +- 1% 1/6W
R178	9965 000 28192	61C60222252T	CFR 2.2K OHM +-5% 1/6W
R179	9965 000 28192	61C60222252T	CFR 2.2K OHM +-5% 1/6W
R181	9965 000 28199	61C60215252T	CFR 1.5K OHM +-5% 1/6W
R182	9965 000 28209	61C60233152T	CFR 330 OHM+-5% 1/6W
R183	9965 000 28204	61C60230252T	CFR 3K OHM+-5% 1/6W
R186	9965 000 28196	61C60210252T	CFR 1K OHM+-5% 1/6W
R401	9965 000 28145	93C641152T	IN4148
R402	9965 000 28196	61C60210252T	CFR 1K OHM+-5% 1/6W
R403	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R404	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R405	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R406	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R409	9965 000 28210	61C20010052T	MFR 10OHM+-1% 1/4W
R412	9965 000 28211	61C21068152T	MFR 680OHM +-1% 1/6W
R413	9965 000 28212	61C21033252T	MFR 3.3K OHM +- 1% 1/6W

R414	9965 000 28213	61C17210352T	CFR 10KOHM +-5% 1/4W
R415	9965 000 28214	61C17256352T	CFR 56K OHM +-5% 1/4W
R416	9965 000 28215	61C17291252T	CFR 9.1KOHM+-5% 1/4W
R417	9965 000 28216	61C60218352T	CFR 18K OHM +-5% 1/6W
R418	9965 000 28217	61C60262252T	CFR 6.2K OHM +-5% 1/6W
R419	9965 000 28191	61C60247252T	CFR 4.7K OHM+-5% 1/6W
R420	9965 000 28218	61C60211352T	CFR 11K OHM+-5% 1/6W
R422	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R423	9965 000 28219	61C60220352T	CFR 20K OHM+-5% 1/6W
R425	9965 000 28220	61C17247052T	CFR 47 OHM +-5% 1/4W
R426	9965 000 28221	61C153M68059	MOFR 68 OHM+-5% 3W
R427	9965 000 28222	61C175L22052T	CFR 22 OHM +-5% 1/2W
R428	9965 000 28223	61C153M68859	MOFR 0.68 OHM +-5% 3W
R429	9965 000 28224	61C20410052T	MFR 10OHM+-2% 1/2W
R430	9965 000 28225	61C17213352T	CFR 13K OHM +-5% 1/4W
R431	9965 000 28226	61C21022352T	MFR 22K OHM +- 1% 1/6W
R432	9965 000 28227	61C21027252T	MFR 2.7K OHM +- 1% 1/6W
R433	9965 000 28228	61C60218252T	CFR 1.8K OHM+-5% 1/6W
R434	9965 000 28229	61C17291152T	CFR 910OHM+-5% 1/4W
R436	9965 000 28230	61C17268152T	CFR 680 OHM +-5% 1/4W
R438	9965 000 28191	61C60247252T	CFR 4.7K OHM+-5% 1/6W
R440	9965 000 28231	61C21062252T	MFR 6.2KOHM +-1% 1/6W
R441	9965 000 24496	61A212Y18452T	MGFR 180K OHM +-5% 1/2W
R447	9965 000 28232	61C17247352T	CFR 47K OHM +-5% 1/4W
R448	9965 000 28233	61C175L10252T	CFR 1K OHM +-5% 1/2W
R449	9965 000 28234	61C17247252T	CFR 4.7K OHM +-5% 1/4W
R450	9965 000 28235	61C60256352T	CFR 56K OHM +-5% 1/6W
R454	9965 000 28236	61C60210352T	CFR 10K OHM+-5% 1/6W
R456	9965 000 28237	61C153M39159	MOFR 390 OHM +-5% 3W
R462	9965 000 28238	61C17262252T	CFR 6.2K OHM +-5% 1/4W
R464	9965 000 28239	61C60247352T	CFR 47K OHM+-5% 1/6W
R470	9965 000 28240	61C21020352T	MFR 20K OHM +- 1% 1/6W
R494	9965 000 28241	61C17211452T	CFR 110K OHM +-5% 1/4W
R496	9965 000 28242	61C60268252T	CFR 6.8K OHM+-5% 1/6W
R601	9965 000 28243	61C175L27152T	CFR 270 OHM +-5% 1/2W
R602	9965 000 28244	61C175L10952T	CFR 1 OHM +-5% 1/2W
R618	9965 000 28245	61C60243352T	CFR 43K OHM +-5% 1/6W
R619	9965 000 28246	61C60262452T	CFR 620KOHM+-5% 1/6W
R620	9965 000 28202	61C21010252T	MFR 1K OHM +- 1% 1/6W
R621	9965 000 28200	61C21022252T	MFR 2.2K OHM +- 1% 1/6W
R627	9965 000 28247	61C20891864	MOFR 0.91OHM +-5% 1W
R628	9965 000 28248	61C175L18152T	CFR 180 OHM +-5% 1/2W
R630	9965 000 28249	61C60220252T	CFR 2K OHM+-5% 1/6W
R631	9965 000 28192	61C60222252T	CFR 2.2K OHM +-5% 1/6W
R636	9965 000 28250	61C153M10059	MOFR 10 OHM+-5% 3W
R660	9965 000 28251	61C17220452T	CFR 200KOHM+-5% 1/4W
R662	9965 000 28202	61C21010252T	MFR 1K OHM +- 1% 1/6W
R701	9965 000 28252	61C60262352T	CFR 62KOHM+-5% 1/6W
R702	9965 000 28191	61C60247252T	CFR 4.7K OHM+-5% 1/6W
R703	9965 000 28197	61C60210152T	CFR 100 OHM+-5% 1/6W
R704	9965 000 28253	61C60210052T	CFR 10 OHM +-5% 1/6W
R705	9965 000 28254	61C20868164	MOFR 680 OHM +-5% 1W
R712	9965 000 28209	61C60233152T	CFR 330 OHM+-5% 1/6W
R713	9965 000 28255	61C60275252T	CFR 7.5K OHM +-5% 1/6W

R714	9965 000 28256	61C175L15052T	CFR 15 OHM +-5% 1/2W
R715	9965 000 28257	61C17218452T	CFR 180KOHM+-5% 1/4W
R720	9965 000 28258	61C175L47352T	CFR 47K OHM +-5% 1/2W
R721	9965 000 28233	61C175L10252T	CFR 1K OHM +-5% 1/2W
R722	9965 000 28259	61C17227352T	CFR 27KOHM+-5% 1/4W
R723	9965 000 28260	61C152M10164	MOFR 100OHM+-5% 2W
R724	9965 000 24507	61A212Y10552T	MGFR 1M OHM+-5% 1/2W
R725	9965 000 28261	61C212Y22452T	220K 1/2W
R726	9965 000 28196	61C60210252T	CFR 1K OHM+-5% 1/6W
R731	9965 000 28262	61C17243252T	CFR 4.3K OHM +-5% 1/4W
R770	9965 000 28191	61C60247252T	CFR 4.7K OHM+-5% 1/6W
R900	9965 000 21778	61A212Y10652T	10MOHM +-5% 1/2W
R901	9965 000 28263	61C175L47452T	CFR 470K OHM +-5% 1/2W
R905	9965 000 28264	61C17215152T	CFR 150 OHM +-5% 1/4W
R914	9965 000 28265	61C17210252T	CFR 1KOHM +-5% 1/4W
R915	9965 000 28266	61C17224252T	CFR 2.4KOHM+-5% 1/4W
R916	9965 000 28267	61C60213352T	CFR 13K OHM +-5% 1/6W
R918	9965 000 24507	61A212Y10552T	MGFR 1M OHM+-5% 1/2W
R919	9965 000 28213	61C17210352T	CFR 10KOHM +-5% 1/4W
R921	9965 000 28196	61C60210252T	CFR 1K OHM+-5% 1/6W
R923	9965 000 21754	61A212Y75352T	75KOHM 1/2W
R926	9965 000 28268	61C17227152T	CFR 270OHM+-5% 1/4W
R927	9965 000 28269	61C153M33359	MOFR 3.3 OHM+-5% 3W
R928	9965 000 21754	61A212Y75352T	75KOHM 1/2W
R929	9965 000 28270	61C2J22864B	R 0.22OHM +-5% 2W
R930	9965 000 28271	61C17212252T	CFR 1.2K OHM +-5% 1/4W
R931	9965 000 28272	61C20010952T	MFR 1OHM+-1% 1/4W
R935	9965 000 28273	61C17233452T	CFR 330K OHM +-5% 1/4W
R937	9965 000 28274	61C17222152T	CFR 220OHM+-5% 1/4W
R938	9965 000 28275	61C17222052T	CFR 22OHM+-5% 1/4W
R939	9965 000 28276	61C17220352T	CFR 20KOHM+-5% 1/4W
R940	9965 000 28277	61C17139352T	CFR 39K OHM +-2% 1/4W
R941	9965 000 28278	61C17215252T	CFR 1.5K OHM +-5% 1/4W
R942	9965 000 28279	61C17268052T	CFR 68 OHM +-5% 1/4W
R944	9965 000 28213	61C17210352T	CFR 10KOHM +-5% 1/4W
R951	9965 000 28280	61C17210052T	CFR 10OHM+-5% 1/4W
R952	9965 000 28232	61C17247352T	CFR 47K OHM +-5% 1/4W
R953	9965 000 28281	61C17210452T	CFR100K OHM +-5% 1/4W
R954	9965 000 28282	61C175L39352T	CFR 39K OHM +-5% 1/2W
R957	9965 000 28232	61C17247352T	CFR 47K OHM +-5% 1/4W
R958	9965 000 28233	61C175L10252T	CFR 1K OHM +-5% 1/2W
R959	9965 000 28283	61C17233352T	CFR 33KOHM+-5% 1/4W
R960	9965 000 28232	61C17247352T	CFR 47K OHM +-5% 1/4W
R962	9965 000 28220	61C17247052T	CFR 47 OHM +-5% 1/4W
R963	9965 000 28206	61C60222152T	CFR 220 OHM +-5% 1/6W
R964	9965 000 28284	61C20810064	MOFR 10OHM+-5% 1W
R965	9965 000 28285	61C153M39059	MOFR 39OHM+-5% 3W
R966	9965 000 28286	61C60227352T	CFR 27K OHM+-5% 1/6W
R967	9965 000 28287	61C17222352T	CFR 22KOHM+-5% 1/4W
R968	9965 000 28242	61C60268252T	CFR 6.8K OHM+-5% 1/6W
R969	9965 000 24521	61A214Y68352T	MGFR 68K OHM +-5% 1/4W
R971	9965 000 28288	61C17210552T	CFR 1MOHM +-5% 1/4W
R972	9965 000 28289	61C17251252T	CFR 5.1K OHM +-5% 1/4W
R977	9965 000 28290	61C175L75352T	CFR 75K OHM +-5% 1/2W

R978	9965 000 28290	61C175L75352T	CFR 75K OHM +-5% 1/2W
R979	9965 000 28291	61C20856964	MOFR 5.6 OHM +-5% 1W
R980	9965 000 28274	61C17222152T	CFR 220OHM+-5% 1/4W
R981	9965 000 28292	61C175L10152T	CFR 100 OHM +-5% 1/2W
R982	9965 000 28213	61C17210352T	CFR 10KOHM +-5% 1/4W
R983	9965 000 28213	61C17210352T	CFR 10KOHM +-5% 1/4W
R985	9965 000 28293	61C17236152T	CFR 360 OHM +-5% 1/4W
R988	9965 000 28287	61C17222352T	CFR 22KOHM+-5% 1/4W
R989	9965 000 28294	61C153M47159	MOFR 470 OHM+-5% 3W
R993	9965 000 28213	61C17210352T	CFR 10KOHM +-5% 1/4W
R995	9965 000 28277	61C17139352T	CFR 39K OHM +-2% 1/4W
R996	9965 000 28213	61C17210352T	CFR 10KOHM +-5% 1/4W
RY901	9965 000 28295	77C26054	RELAY
SW102	9965 000 28296	77C6021CJ	TACT SWITCH TSVB-2-T-NP
SW103	9965 000 28296	77C6021CJ	TACT SWITCH TSVB-2-T-NP
SW104	9965 000 28296	77C6021CJ	TACT SWITCH TSVB-2-T-NP
SW105	9965 000 28296	77C6021CJ	TACT SWITCH TSVB-2-T-NP
SW901	9965 000 28297	77C411A2CJ	MINI PUSH SWITCH
T401	9965 000 28298	79C167125L	DEIVER TRANSFORMER
T402	9965 000 28299	79A563WBG503	FBT
T901	9965 000 28300	80A5631NG	POWER TRANSFORMER
VR901	9965 000 21790	75A335101	HCFVR 100 OHM +-20%
VR902	9965 000 24531	75A335202	VR 2KOHM +-20%
X101	9965 000 28301	93C2243PT	CRSTAL
ZD101	9965 000 28302	93C397352T	HZ6B1-E
ZD103	9965 000 28303	93C395252T	HZ5C2-E
ZD104	9965 000 28302	93C397352T	HZ6B1-E
ZD105	9965 000 28303	93C395252T	HZ5C2-E
ZD106	9965 000 28302	93C397352T	HZ6B1-E
ZD107	9965 000 28302	93C397352T	HZ6B1-E
ZD110	9965 000 28302	93C397352T	HZ6B1-E
ZD401	9965 000 28304	93C398252T	HZ12A2-E
ZD420	9965 000 21796	93A3952252T	TZX20B
ZD448	9965 000 28305	93C3951852T	TZX8V2A
ZD701	9965 000 28306	93C395952T	HZ4C2-E
ZD901	9965 000 28304	93C398252T	HZ12A2-E
ZD990	9965 000 28307	93C3911352T	HZ20-2-E
	9965 000 28308	71C552	A FERRITE BEAD 6.5*5*1.7
	9965 000 28309	715C92812	CMPC
C430	9965 000 28321	65C517K3312T6213	330PF 500V
C450	9965 000 28322	65C2K4706A6921	47PF 2KV
R627	9965 000 28323	61C20882864	MOFR 0.82OHM +-5% 1W
R713	9965 000 28324	61C60215352T	CFR 15K OHM+-5% 1/6W
R725	9965 000 28261	61C212Y22452T	220K 1/2W
6		CMS554B1PHPSDI	MAIN PCB ASSY - SDI
C430	9965 000 28103	65C517K1022T	1000PF 10% Z5P 500V
C450	9965 000 28322	65C2K4706A6921	47PF 2KV
R627	9965 000 28323	61C20882864	MOFR 0.82OHM +-5% 1W
R713	9965 000 28255	61C60275252T	CFR 7.5K OHM +-5% 1/6W
R725	9965 000 28325	61C212Y15452T	150K 1/2W

Video

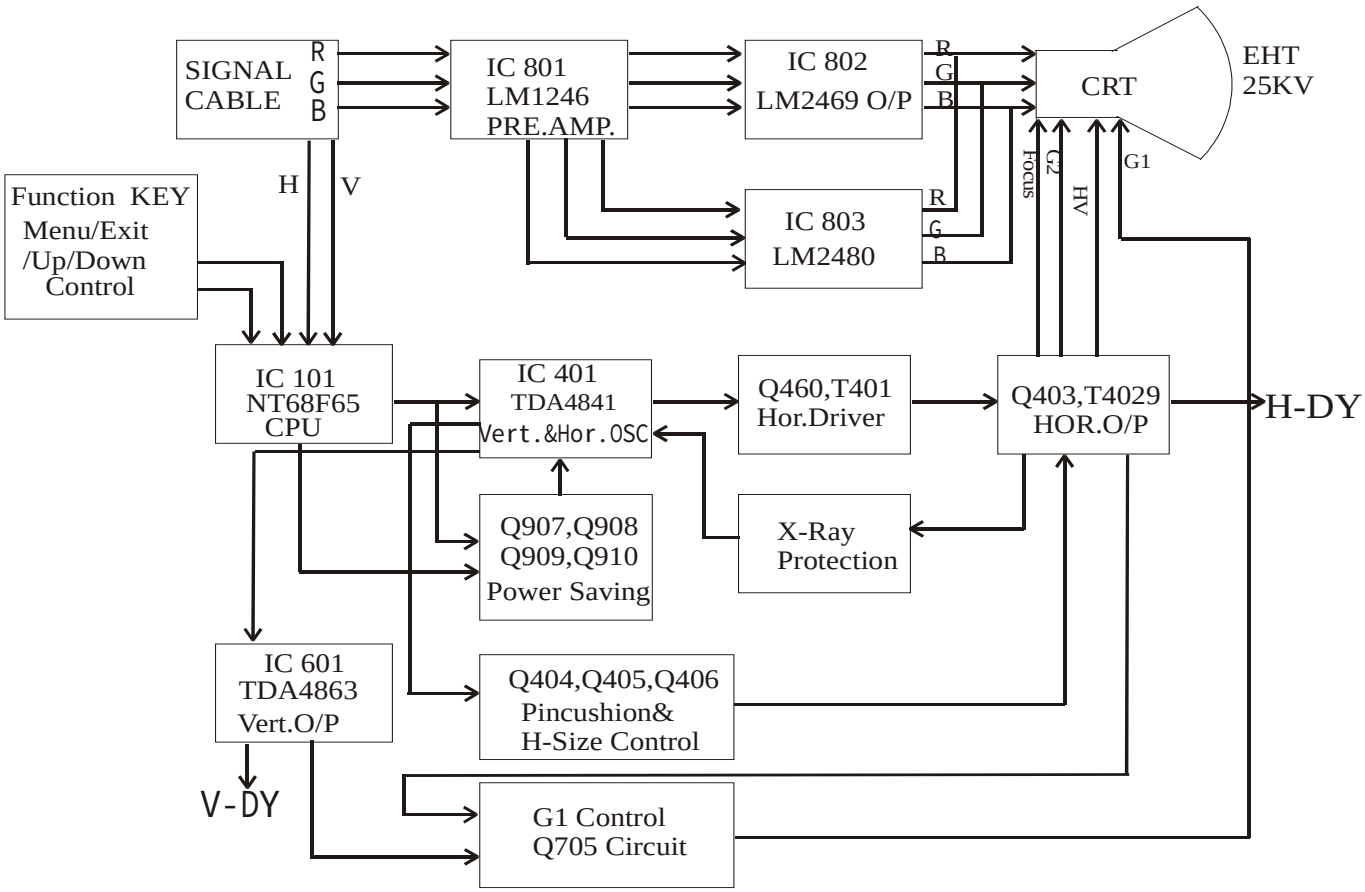
Location	Philips Parts No	TPV Parts No	Description
1	9965 000 28019	CRS554B1PH	CRT BOARD ASSY -105G7
IC801	9965 000 24537	56C366510	LM1246DKB/NA
IC803	9965 000 21821	56C5396	LM2480NA/NOPB
R879	9965 000 21745	61C152M10164	MOFR 100OHM+-5% 2W
R835	9965 000 24539	61C153M10959	MOFR 1 OHM +-5% 3W
C835	9965 000 24535	65C2K2225B6921	2200PF 2KV
C876	9965 000 24413	65C44410313T	10000PF +-10% Z5P 50V
C809	9965 000 21805	67C3051097T	1UF +-20% 50V
C870	9965 000 24536	67C3053309	33UF +-20% 100V
C829	9965 000 24534	67C3054709	47UF +-20% 100V
L809	9965 000 21622	71C559T	C CORE RF BEAD RH 3.5X6X0
R860	9965 000 21738	61C17210252T	CFR 1KOHM +-5% 1/4W
R861	9965 000 21738	61C17210252T	CFR 1KOHM +-5% 1/4W
R862	9965 000 21738	61C17210252T	CFR 1KOHM +-5% 1/4W
R854	9965 000 24550	61C17212152T	CFR 120 OHM +-5% 1/4W
R855	9965 000 24550	61C17212152T	CFR 120 OHM +-5% 1/4W
R856	9965 000 24551	61C17218152T	CFR 180 OHM +-5% 1/4W
R857	9965 000 21835	61C17222452T	CFR 220KOHM+-5% 1/4W
R858	9965 000 21835	61C17222452T	CFR 220KOHM+-5% 1/4W
R859	9965 000 21835	61C17222452T	CFR 220KOHM+-5% 1/4W
R821	9965 000 21780	61C17282252T	CFR 8.2KOHM+-5% 1/4W
R809	9965 000 21690	61C21010352T	MFR 10K OHM +- 1% 1/6W
R813	9965 000 21732	61C21039252T	MFR 3.9K OHM +- 1% 1/6W
R814	9965 000 21673	61C60210152T	CFR 100 OHM+-5% 1/6W
R815	9965 000 21673	61C60210152T	CFR 100 OHM+-5% 1/6W
R807	9965 000 21680	61C60210252T	CFR 1K OHM+-5% 1/6W
R823	9965 000 21680	61C60210252T	CFR 1K OHM+-5% 1/6W
R824	9965 000 21680	61C60210252T	CFR 1K OHM+-5% 1/6W
R825	9965 000 21680	61C60210252T	CFR 1K OHM+-5% 1/6W
R827	9965 000 21680	61C60210252T	CFR 1K OHM+-5% 1/6W
R804	9965 000 21829	61C60233052T	CFR 33 OHM +-5% 1/6W
R805	9965 000 21829	61C60233052T	CFR 33 OHM +-5% 1/6W
R806	9965 000 21829	61C60233052T	CFR 33 OHM +-5% 1/6W
R830	9965 000 21719	61C60256352T	CFR 56K OHM +-5% 1/6W
R801	9965 000 21828	61C60275052T	CFR 75 OHM+-5% 1/6W
R802	9965 000 21828	61C60275052T	CFR 75 OHM+-5% 1/6W
R803	9965 000 21828	61C60275052T	CFR 75 OHM+-5% 1/6W
R818	9965 000 24548	61C60282152T	CFR 820 OHM +-5% 1/6W
R820	9965 000 24549	61C60282252T	CFR 8.2K OHM +-5% 1/6W
R880	9965 000 21837	61C175L10452T	CFR 100K OHM +-5% 1/2W
R872	9965 000 24552	61C175L47052T	CFR 47 OHM +-5% 1/2W
R873	9965 000 24552	61C175L47052T	CFR 47 OHM +-5% 1/2W
R874	9965 000 24552	61C175L47052T	CFR 47 OHM +-5% 1/2W
FB850	9965 000 21622	71C559T	C CORE RF BEAD RH 3.5X6X0
J809	9965 000 21622	71C559T	C CORE RF BEAD RH 3.5X6X0
FB803	9965 000 21623	71C5519T	FERRITE BEAD 9X3.5X0.8
FB805	9965 000 21623	71C5519T	FERRITE BEAD 9X3.5X0.8
L804	9965 000 21623	71C5519T	FERRITE BEAD 9X3.5X0.8
L808	9965 000 21623	71C5519T	FERRITE BEAD 9X3.5X0.8
L805	9965 000 24547	73C541095T	1uH+-5% peaking ciol

L806	9965 000 24547	73C541095T	1uH+-5% peaking ciol
L807	9965 000 24547	73C541095T	1uH+-5% peaking ciol
L801	9965 000 21824	73C5468810T	0.68UH +-10%
L802	9965 000 21824	73C5468810T	0.68UH +-10%
L803	9965 000 21824	73C5468810T	0.68UH +-10%
L850	9965 000 21824	73C5468810T	0.68UH +-10%
L851	9965 000 21824	73C5468810T	0.68UH +-10%
L852	9965 000 21824	73C5468810T	0.68UH +-10%
ZD810	9965 000 21793	93C395252T	HZ5C2-E
D820	9965 000 24553	93C397352T	HZ6B1-E
D821	9965 000 24553	93C397352T	HZ6B1-E
ZD801	9965 000 24553	93C397352T	HZ6B1-E
D817	9965 000 21818	93C529T52T	2A 600V 2A05
D801	9965 000 24546	93C641152T	IN4148
D802	9965 000 24546	93C641152T	IN4148
D803	9965 000 24546	93C641152T	IN4148
D804	9965 000 24546	93C641152T	IN4148
D805	9965 000 24546	93C641152T	IN4148
D806	9965 000 24546	93C641152T	IN4148
D850	9965 000 21608	93C6450752T	BAV21
D851	9965 000 21608	93C6450752T	BAV21
D852	9965 000 21608	93C6450752T	BAV21
D853	9965 000 21608	93C6450752T	BAV21
D854	9965 000 21608	93C6450752T	BAV21
D855	9965 000 21608	93C6450752T	BAV21
D856	9965 000 21608	93C6450752T	BAV21
D857	9965 000 21608	93C6450752T	BAV21
D858	9965 000 21608	93C6450752T	BAV21
C831	9965 000 21536	64C178J1032T	MPE 0.01UF 250V +-5%
C818	9965 000 21552	64C178J1040T	CL21X0.1UF 63V +-5%
C856	9965 000 21552	64C178J1041T	C121X 0.1UF 100V +-5%
C857	9965 000 21552	64C178J1041T	C121X 0.1UF 100V +-5%
C858	9965 000 21552	64C178J1041T	C121X 0.1UF 100V +-5%
C828	9965 000 21552	64C178J1042T	.1UF 250V
C847	9965 000 24544	64C178J5630T	0.056UF 63V
C816	9965 000 21598	64C700J1520AT	1500PF 63V
C817	9965 000 21598	64C700J1520AT	1500PF 63V
C811	9965 000 21538	65C44210113T	100PF +-5% NPO 50V
C812	9965 000 21538	65C44210113T	100PF +-5% NPO 50V
C887	9965 000 21538	65C44210113T	100PF +-5% NPO 50V
C808	9965 000 24540	65C44256013T	56PF +-5% NPO 50V
C834	9965 000 24542	65C4501033T	0.01UF +80-20% 50V
C821	9965 000 21806	65C4501047T	0.1UF +80-20% 50V Y5V
C823	9965 000 21806	65C4501047T	0.1UF +80-20% 50V Y5V
C824	9965 000 21806	65C4501047T	0.1UF +80-20% 50V Y5V
C849	9965 000 21806	65C4501047T	0.1UF +80-20% 50V Y5V
C852	9965 000 21806	65C4501047T	0.1UF +80-20% 50V Y5V
C836	9965 000 24543	65C517K1025T6921	1000PF 500V +-10% Y5P
C837	9965 000 24543	65C517K1025T6921	1000PF 500V +-10% Y5P
C838	9965 000 24543	65C517K1025T6921	1000PF 500V +-10% Y5P
C860	9965 000 24543	65C517K1025T6921	1000PF 500V +-10% Y5P
C801	9965 000 21805	67C3051097T	1UF +-20% 50V
C802	9965 000 21805	67C3051097T	1UF +-20% 50V
C803	9965 000 21805	67C3051097T	1UF +-20% 50V

C810	9965 000 24541	67C3054703T	47UF +-20% 16V
C850	9965 000 21813	67C3054704T	47UF +-20% 25V
C851	9965 000 21813	67C3054704T	47UF +-20% 25V
C853	9965 000 24545	67C3091099T	1UF +-20% 100V
C854	9965 000 24545	67C3091099T	1UF +-20% 100V
C855	9965 000 24545	67C3091099T	1UF +-20% 100V
IC802	8238 274 40540	56C5518	LM2469TA/NOPB

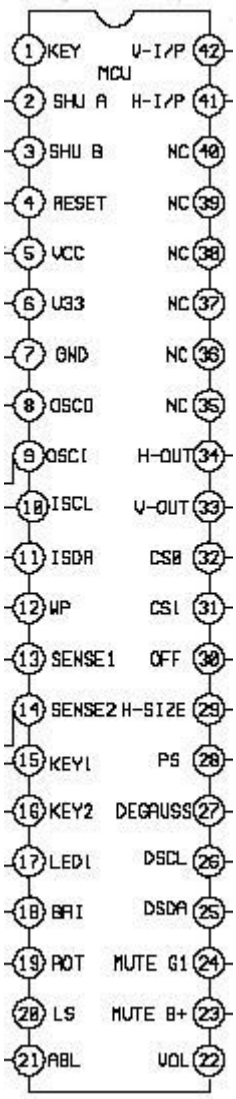
9. BLOCK DIAGRAM

9.1 BLOCK DIAGRAM OF MONITOR

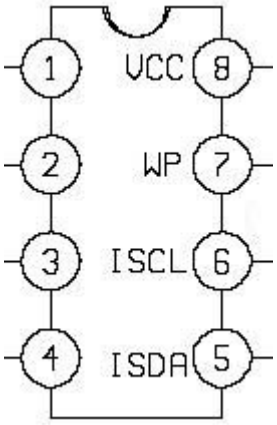


9.2 IC BLOCK DIAGRAM

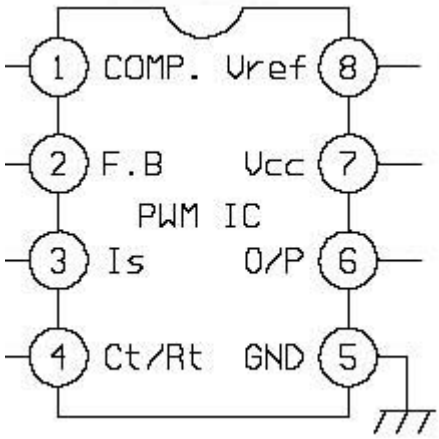
IC101
NT68F65



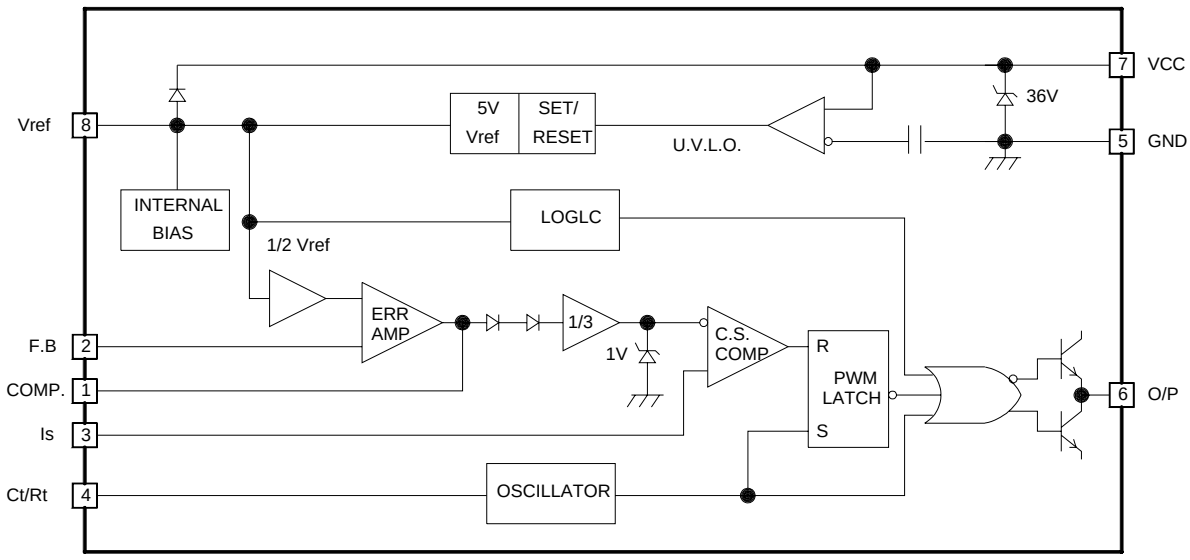
IC102
24C08



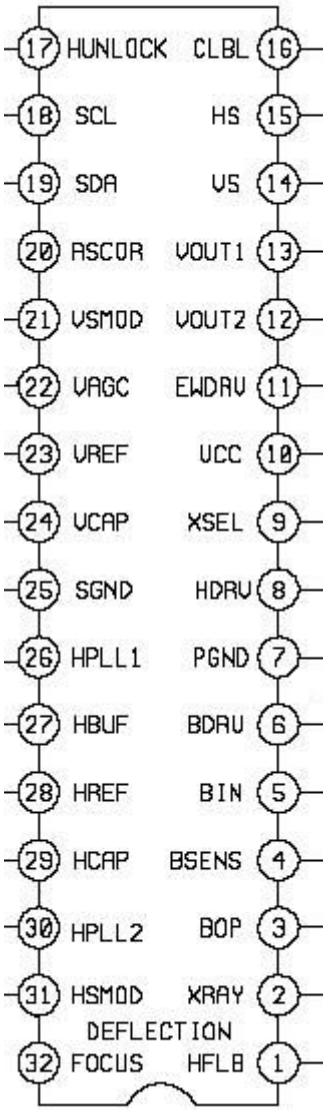
IC901
UC3842



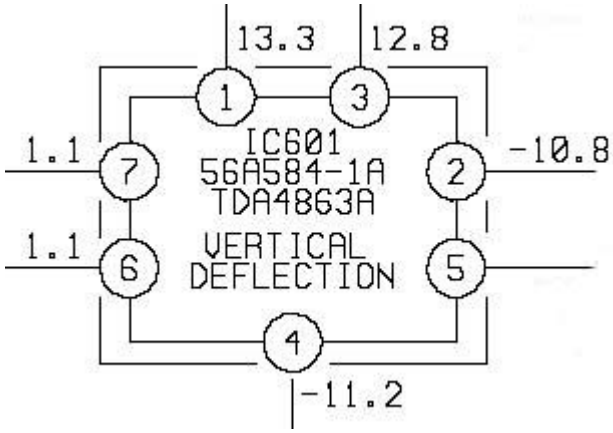
IC901 3842



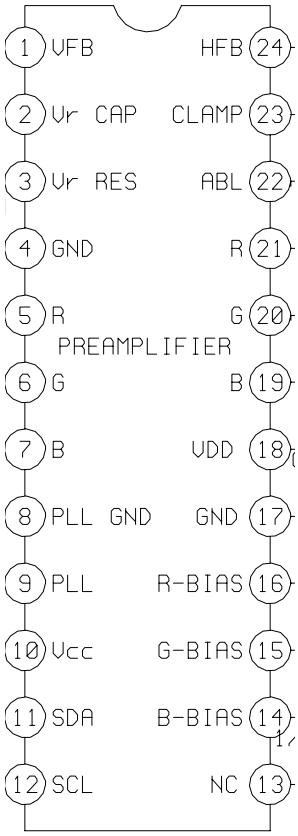
IC401
TDA4841

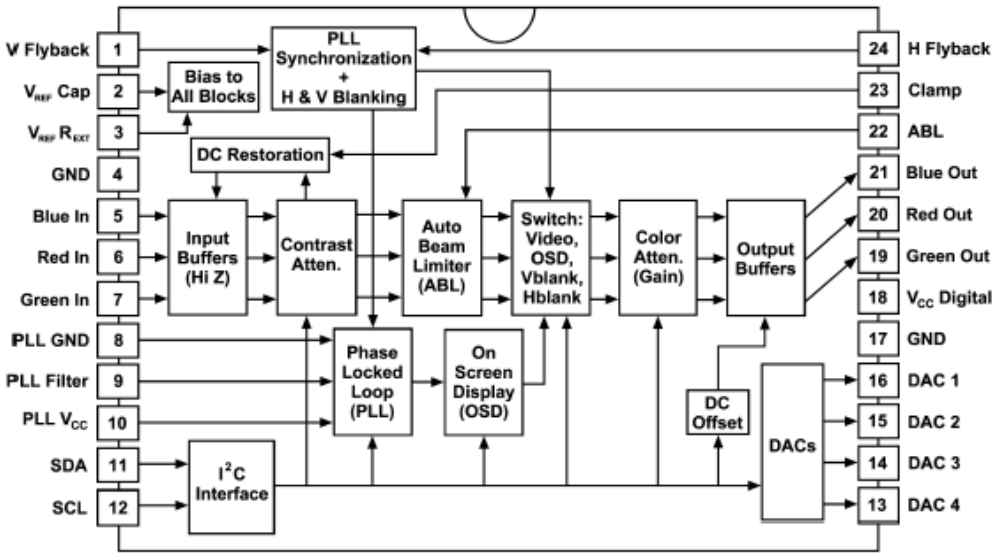


IC601
TDA4863A

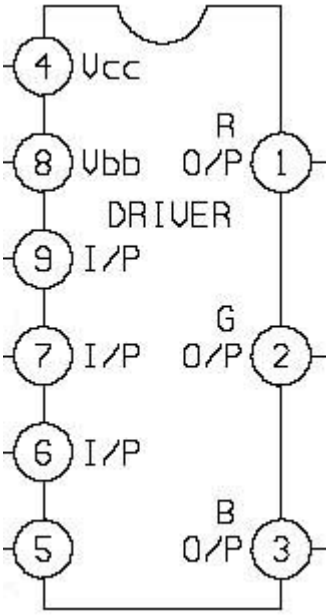


IC801
LM1237





IC802
LM2469



IC803
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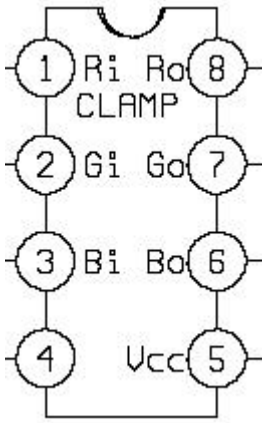
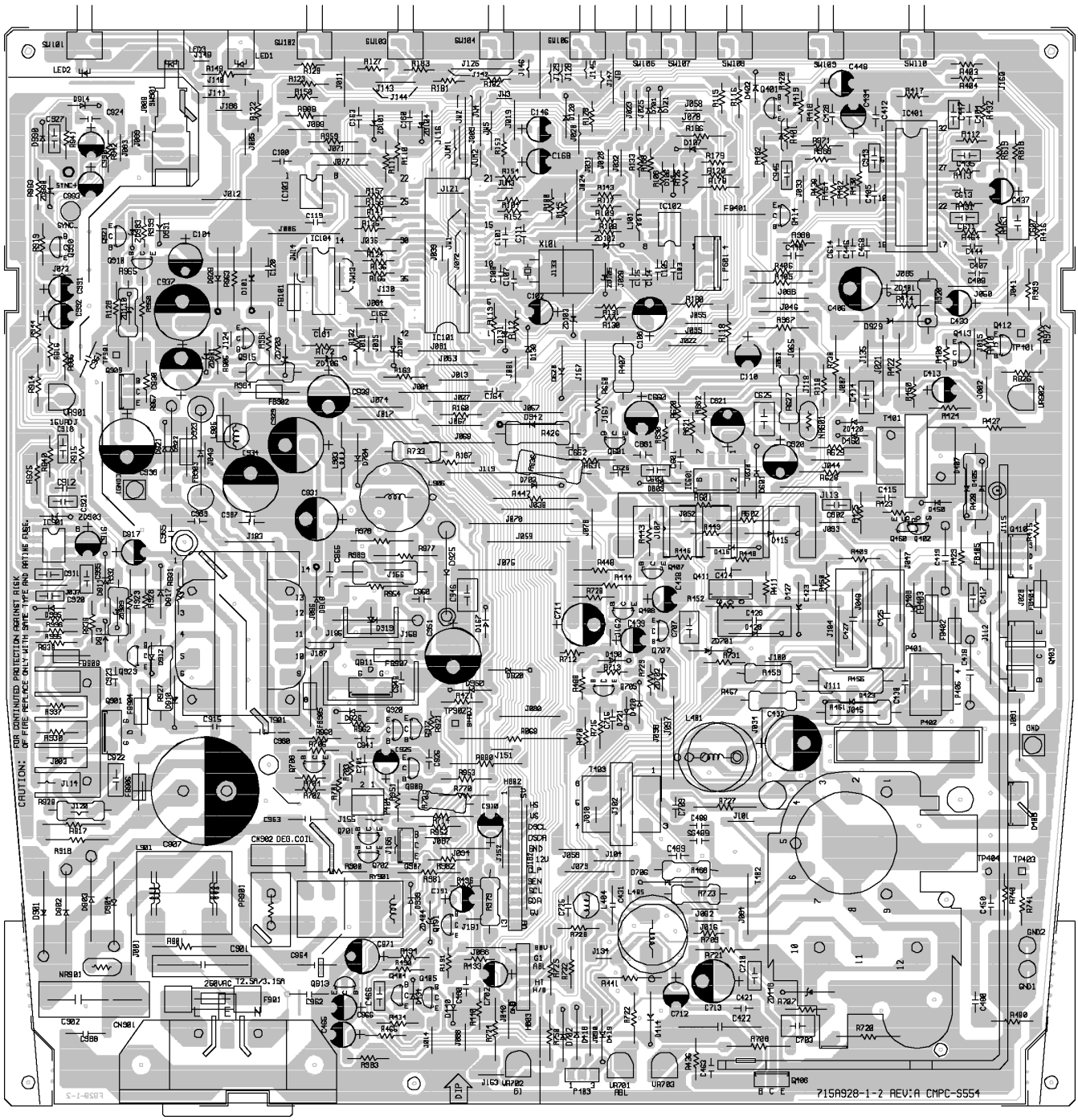
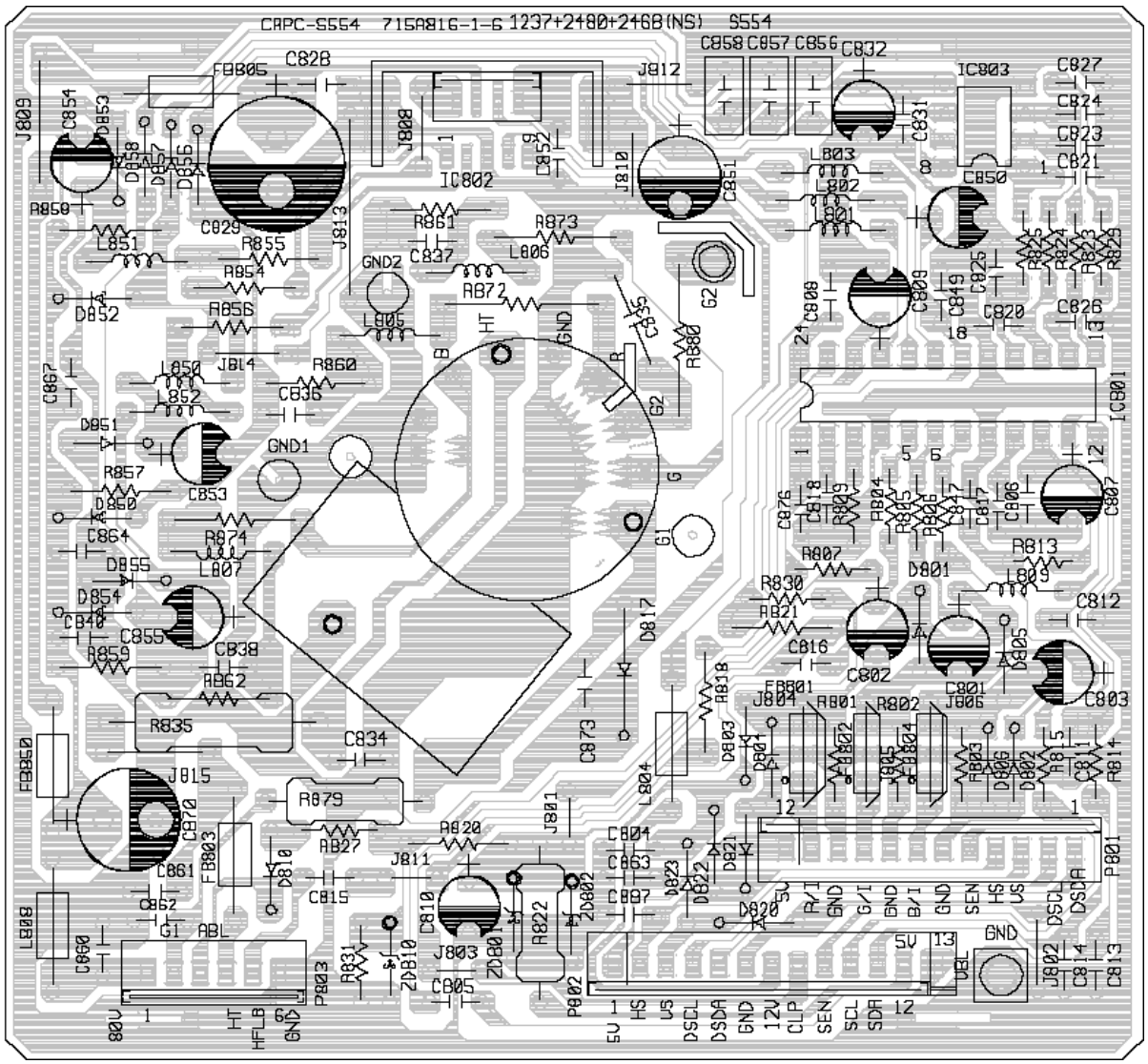


10. PCB LAYOUT

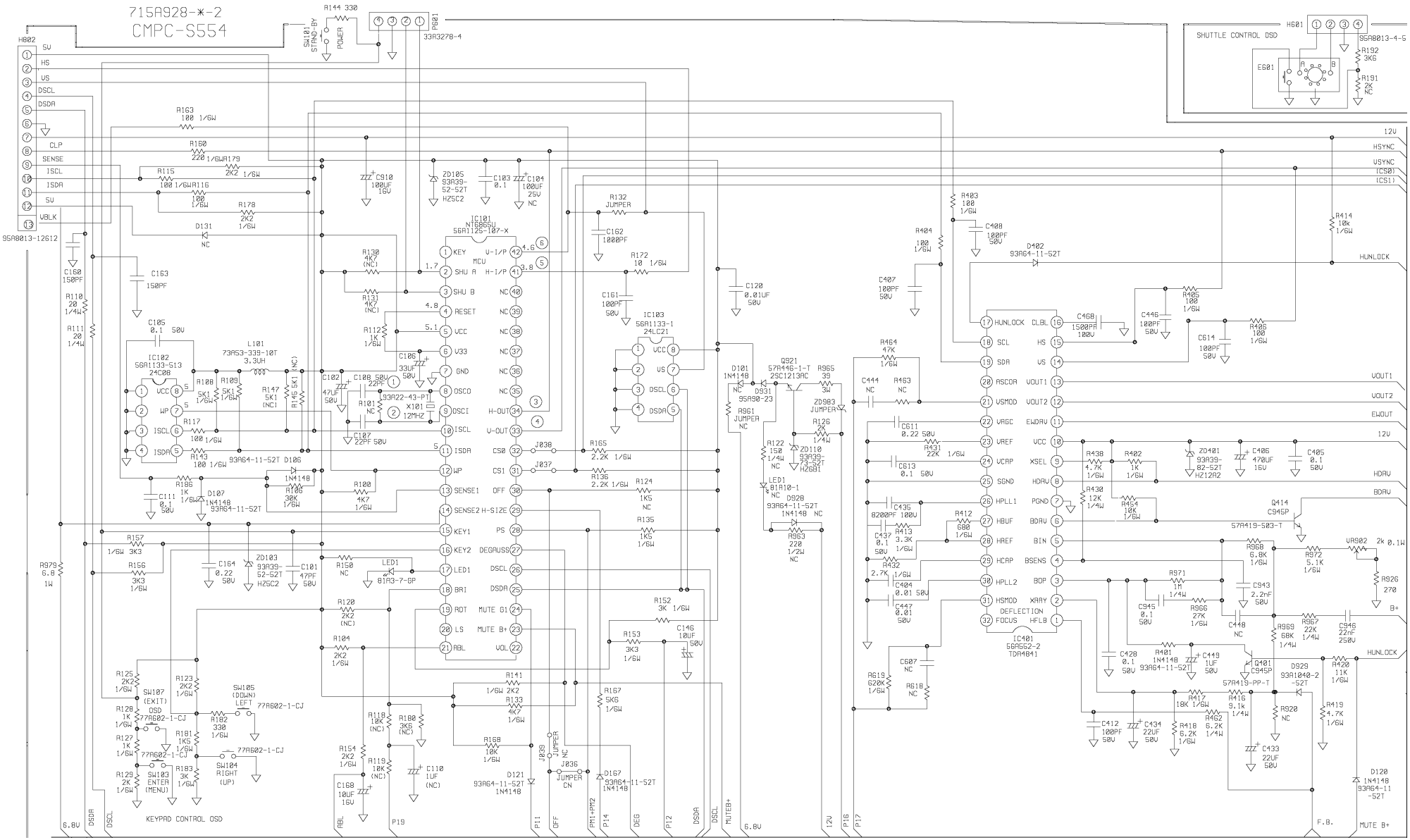
10-1 MAIN PCB LAYOUT

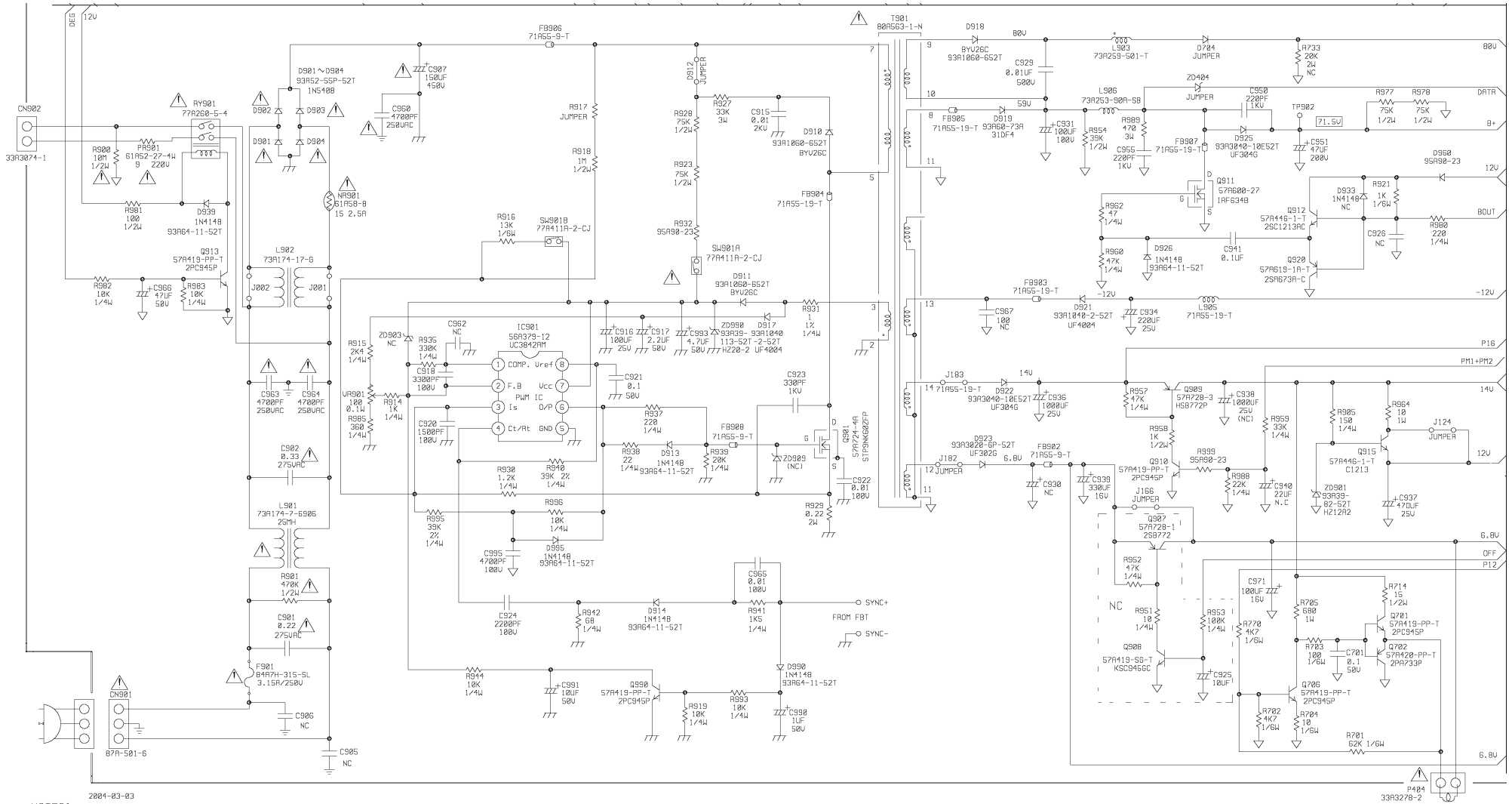


10-2 CRT BOARD LAYOUT



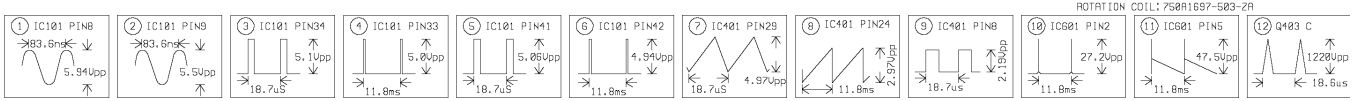
11 SCHEMATIC DIAGRAM

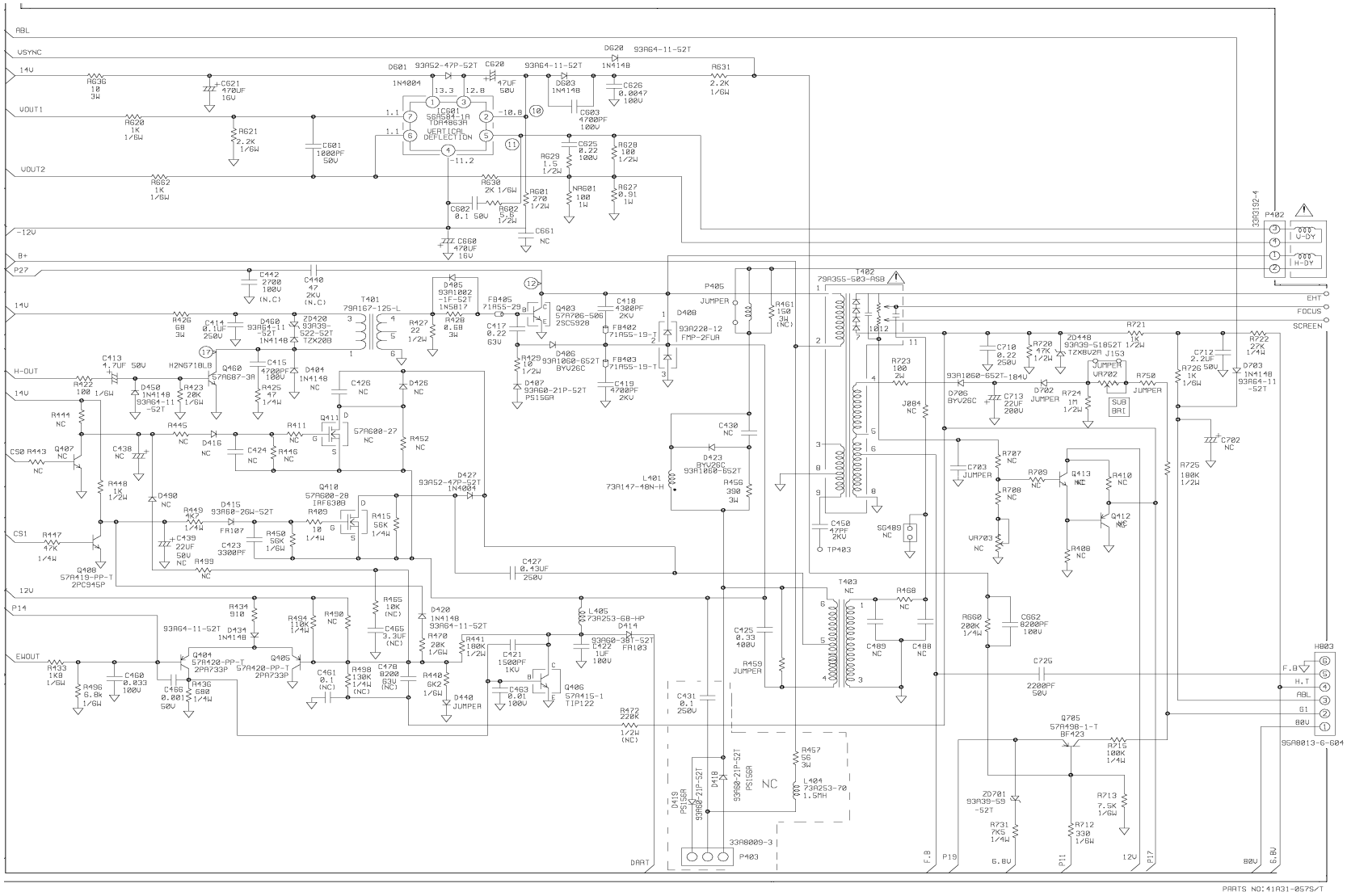


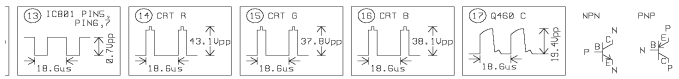


NOTES:

This schematic,we cannot guarantee the accuracy of this information, after the date of publication and disclaims liability for changes, errors or ommissions.







Test condition:800X600\85Hz
The 1/6W resistor not to label power.
The 50V capacitor not to label voltage.

MODEL	S554	DRAWED BY	SEAN TANG
P/N	S554-01-A	CHECKER	
DATE	MAR-3-2004	APPROVED BY