SERVICE MANUAL

17’’ CDT MONITOR

MV7540

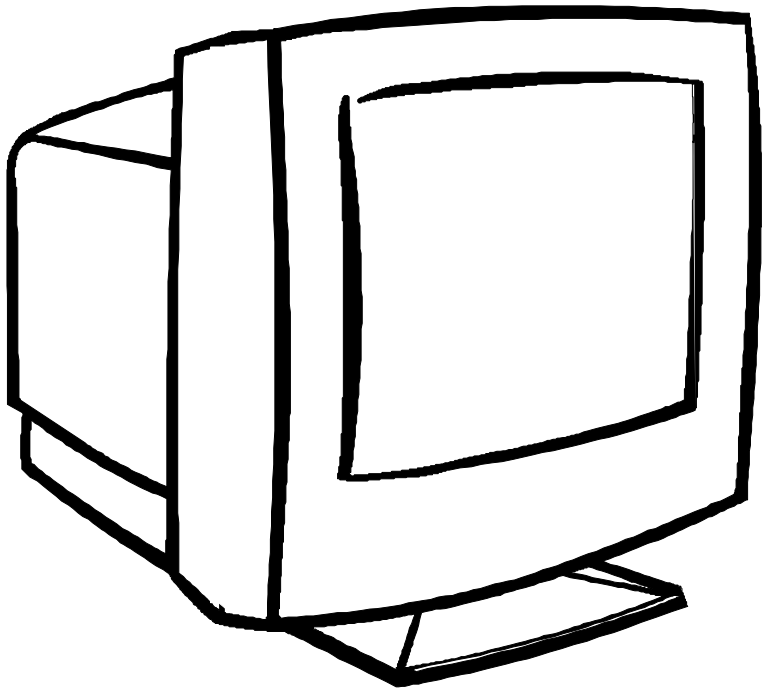


Table of Content

Revision List

Version	Date	Revision History	TPV Model Name
A00	Nov-06-2005	Initial Release	S774BMAKCMO2
A01	Feb-13-2006	Update BOM	S774BMCLCPO2P
A02	Mar-06-2006	Update BOM	S774BMCCCSO2

1. Monitor Specifications

1. CRT : 43.2CM(17") 90 Deflection, 29mm Neck, 0.27mm Dot Pitch, Pure Flat, Non-Glare Screen

2. Viewable image Size: 40.6CM (16") diagonal

3. Display Color: Unlimited Colors

4. External Controls:
   Power On/Off, Power led, Function knob(Contrast, Brightness, H-Center, H-Size, V-Center, V-Size, Rotation, Pincushion, Trapezoid, Pin-Balance, Parallelogram, Color Temperature, Degaussing, Recall, Moiré,

5. Input Video Signal

Mode	1	2	3	4	5	6	7	8	9
Horizontal Freq. (KHz)	31.47	31.47	37.500	43.27	46.87	53.674	60.023	68.677	63.981
Dot Clock (MHz)	28.30	25.175	31.500	36.00	49.50	56.25	78.75	94.50	108.00
Horizontal Lines	720	640	640	640	800	800	1024	1024	1280
Vertical Lines	400	480	480	480	600	600	768	768	1024
H. Sync Polarity	NEG	NEG	NEG	NEG	POS	POS	POS	POS	POS
H. Period (µs)	31.921	31.778	26.667	23.111	21.333	18.631	16.660	14.561	15.630
H. Sync Width (µs)	3.814	3.813	2.032	1.556	1.616	1.138	1.219	1.016	1.037
H. Back Porch (µs)	1.907	1.589	3.810	2.222	3.232	2.702	2.235	2.201	2.296
H. Active (µs)	25.424	25.422	20.317	17.778	16.162	14.222	13.328	10.836	11.852
H. Front Porch (µs)	0.911	0.318	0.508	1.556	0.323	0.569	0.203	0.508	0.444
H. Blanking (µs)	5.861	5.720	6.349	5.333	5.172	4.409	3.657	3.725	3.778
Vertical Freq. (Hz)	69.616	59.940	75.000	85.008	75.00	85.061	75.029	84.997	60.020
V. Sync Polarity	POS	NEG	NEG	NEG	POS	POS	POS	POS	POS
V. Period (ms)	14.364	16.683	13.333	11.764	13.333	11.756	13.003	11.765	16.661
V. Sync Width (ms)	0.064	0.064	0.080	0.069	0.064	0.056	0.050	0.044	0.047
V. Back Porch (ms)	1.149	0.794	0.427	0.578	0.448	0.503	0.466	0.524	0.596
V. Active (ms)	12.768	15.253	12.800	11.093	12.800	11.179	12.795	11.183	16.005
V. Front Porch (ms)	0.000	0.064	0.027	0.023	0.021	0.019	0.01 7	0.015	0.016
V. Blanking (ms)	1.149	0.922	0.533	0.670	0.533	0.578	0.533	0.582	0.656

6. Scanning Frequencies

Horizontal	30KHz ~ 70KHz
Vertical	50 Hz ~ 160 Hz

7. Factory Preset Timings:9
   User Timings: 8

8. Video Bandwidth: 110 MHz

9. Power Source:
   Switching Mode Power Supply
   AC 90 ~265V, 50/60Hz Universal Type

10. Operating Temperature: 10°C to 35°C Ambient

11. Humidity: 20% to 80% Relative, Non-Condensing

12. External Connection:
    15 Pin D-type Connector
    AC Power Cord

13. The rotation can't be recall in user mode.

14. Press the "MENU" funtion and don't release it,then press power swith on,the monitor will enter the burn-in mode if it is no signal input.

15. Regulations:UL, CSA, FDA, FCC, TÜV/GS, CE, MPR-II,TCO,CCC

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 VR902 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 about 66.0V 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

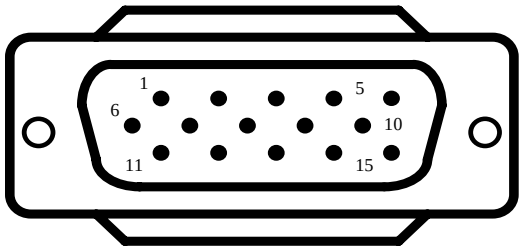
24.8KV ± 1KV

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 10K 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 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.	5V
2.	GREEN	10.	SYNC. GND
3.	BLUE	11.	NC
4.	NC	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 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.

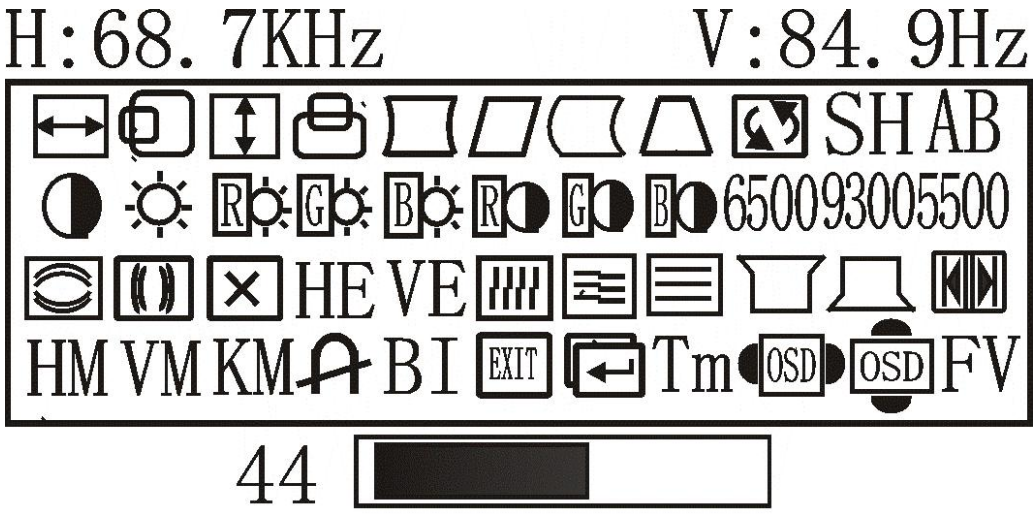
4-2 Main Adjustments

No.	Function		Location	Designation
1	B + ADJ		PCB - MAIN	VR902
2	SCREEN ADJ		FLY BACK TRANS	T402
3	FOCUS ADJ		FLY BACK TRANS	T402
4	ABL ADJ		FACTORY OSD	ABL FUNCTION
5	FUNCTION ADJ	- SELECT	PCB - MAIN	<SW101>
		- DOWN (-)	PCB - MAIN	<SW102>
		- UP (+)	PCB - MAIN	<SW103>
		- MENU	PCB - MAIN	<SW104>

4-3 Adjustment Method

1. B + & HV voltage adjustment:
   A. Chroma-2000 Signal generator or PC equivalent set mode 1, VGA 640X480 pattern 1.0 .
   B. Connect a DC Volt meter between D925 cathode and ground, then adjust VR902 to be 66.0 VDC for CPT CRT or LPD CRT.

2. 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 "MORIE" function, then press the SELECT Key. While do not release the SELECT 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.



(The OSD menu for factory preset FOR WT CPU)

	H-SIZE		H-MOIRE REDUCE
	H-CENTER		V-MOIRE REDUCE
	V-SIZE		MOIRE DISABLE
	V-CENTER	**HE**	NO USE
	PINCUSHION	**VE**	NO USE
	PARALLELOGRAM		NO USE
	PIN-BALANCE		V-LINEARITY
	TRAPEZOID		V-LINEARITY
	ROTATION		TOP CORNER
SH	NO USE		BOT CORNER
AB	ABL ADJUST		FREQUENCY SELECT
	CONTRAST	**HM**	MAX-HSIZE MODIFY
	BRIGHTNESS	**VM**	MAX-VSIZE MODIFY
	R-BIAS	**KM**	MAX-TRAPEZOID MODIFY
	G-BIAS	**BI**	BI SELECT FUNCTION
	R-BIAS		DEGAUSS
	R-GAIN		OSD EXIT
	G-GAIN		RETURN
	B-GAIN	**Tm**	BURN IN TIME
9300	COLOR TEMPERATURE		USER OSD HORIZONTAL LOCATION ADJUST
6500	COLOR TEMPERATURE		USER OSD VERTICAL LOCATION ADJUST
5500	COLOR TEMPERATURE	**FV**	FACTORY OSD VERTICAL LOCATION ADJUST

D. To switches the input signal to the other Timing Mode. Please follow step A ~ C to get the optimum picture.(H/V-size:312*234mm)

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, 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.

3. White Balance, Luminance adjustment:
   A. Bias (Raster) adjustment:
      (a) Set mode8 1024×768 @85Hz full white pattern(100% white field).
      (b) To make the adjustment condition is under the Factory preset OSD menu. Same as step 2-B.
      (c) Warm up more than 20 minutes.

(d) Put the probe in the middle of screen, Brightness set to maximum. Contrast set to max. change to Raster pattern(No video)1024×768 @85Hz, set G-Bias 45,then adjust B-Bias , R-Bias and FBT screen VR, to make the color temperature x= 260 ±10, y= 290 ± 10, Y=0.6±0.02FL

(e) Press up or down key to select cursor on 9300 icon and than press menu key for saved the bias data to EEPROM.

B. 9300 and 6500 5500 color temperature window pattern(20% white field) adjustment:
   (a) Set mode 1024×768 @ 85Hz Raster pattern.
   (b) adjust Brightness , to make raster Luminance is 0.06 FL.
   (c) Change mode to 1024×768 @ 85Hz window pattern(20% white field).put the probe in the middle of screen ,Adjust G-Gain , B-Gain , R-Gain , to make color temperature x=283±10, y=297 ± 10, Y= 48±0.6FL.then save to 9300.(use up/down key select cursor on 9300 icon and than press menu key)
   (d) Adjust G-Gain , B-Gain , R-Gain , to make color temperature x=313±10, y=329± 10, Y= 42±0.6FL.then save to 6500.
   (e) Adjust G-Gain , B-Gain , R-Gain , to make color temperature x=333±10, y=348± 10, Y= 42±0.6FL.then save to 5500.

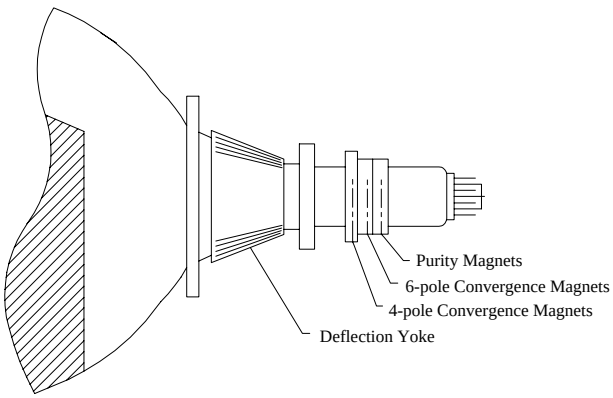
C.Full white luminance(100% white field) for 9300:
   (a) Set mode 1024×768 @ 85Hz full white field
   (b) Adjust function key **AB** to the luminance at 33 ± 0.3FL.

D.Cut off adjustment:
   (a) Set mode 1024×768 @85Hz Raster pattern.
   (b) Adjust Brightness , to make Y= 0.06 FL.then return from factory OSD mode to user OSD mode.

4. Focus Adjustment:
   A. Set mode 1024×768 @85Hz with crosshatch pattern.
   B. Then adjust focus VR1 to a fine vertical line.
   C. Adjust focus VR2 to a fine horizontal line.
   D. Repeat step B & C. and change to full text pattern double check focus uniformity.

5. 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



6.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.

5. Circuit Description

5-1 Micro Controller Circuit

MICRO Controller

The IC101 contains a 6502/8051 8-bit CPU core, 512 bytes of RAM, 16K bytes of ROM,14 channel 8 bit PWM D/A converters, 2 channel A/D converters for key detection, one 8 bit pre-loadable base timer, internal H-sync and V-sync signals processor providing mode detection, watch- dog timer preventing system from abnormal operation, and an I²C bus interface.

H/V sync signals processor

The functions of the sync processor include polarity detection, H-SYNC & V-SYNC signals counting, Programmable SYNC signals output, free running signal generator. Pin41/Pin42 are for the H-SYNC and V-SYNC input, Pin33/Pin34 will output the same signal as input sync signal without delay, and the polarity are setting in the positive. When no signal input, the Pin33 will output a 72Hz V-SYNC free run signal. The Pin34 will output a 48KHz H-SYNC free run signal. for the monitor testing use.

5-2 Deflection Circuit

The deflection circuit is achieved by a high performance and efficient solution IC401 (STV9118) for this monitor. The concept is fully DC controllable and can be used in applications with a micro-controller solutions. The STV9118 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 to the TDA9302A.

Horizontal Oscillator

The oscillator is of the relaxation type and requires a capacitor of C409 at pin6. The free running frequency is determined by a resistor R412 from pin8 to ground.

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 C435, C437, R411 is connected to Pin9.

PLL2 Phase Detector

This phase detector is similar to the PLL1 detector and compares the line flyback pulse at pin 12 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-flyback and H-sync can be controlled at pin5.

X-ray Protection

The X-ray protection input pin25 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:
Pin28 (BDRV) is floating
Pin26 (HDRV) is floating

Vertical Oscillator

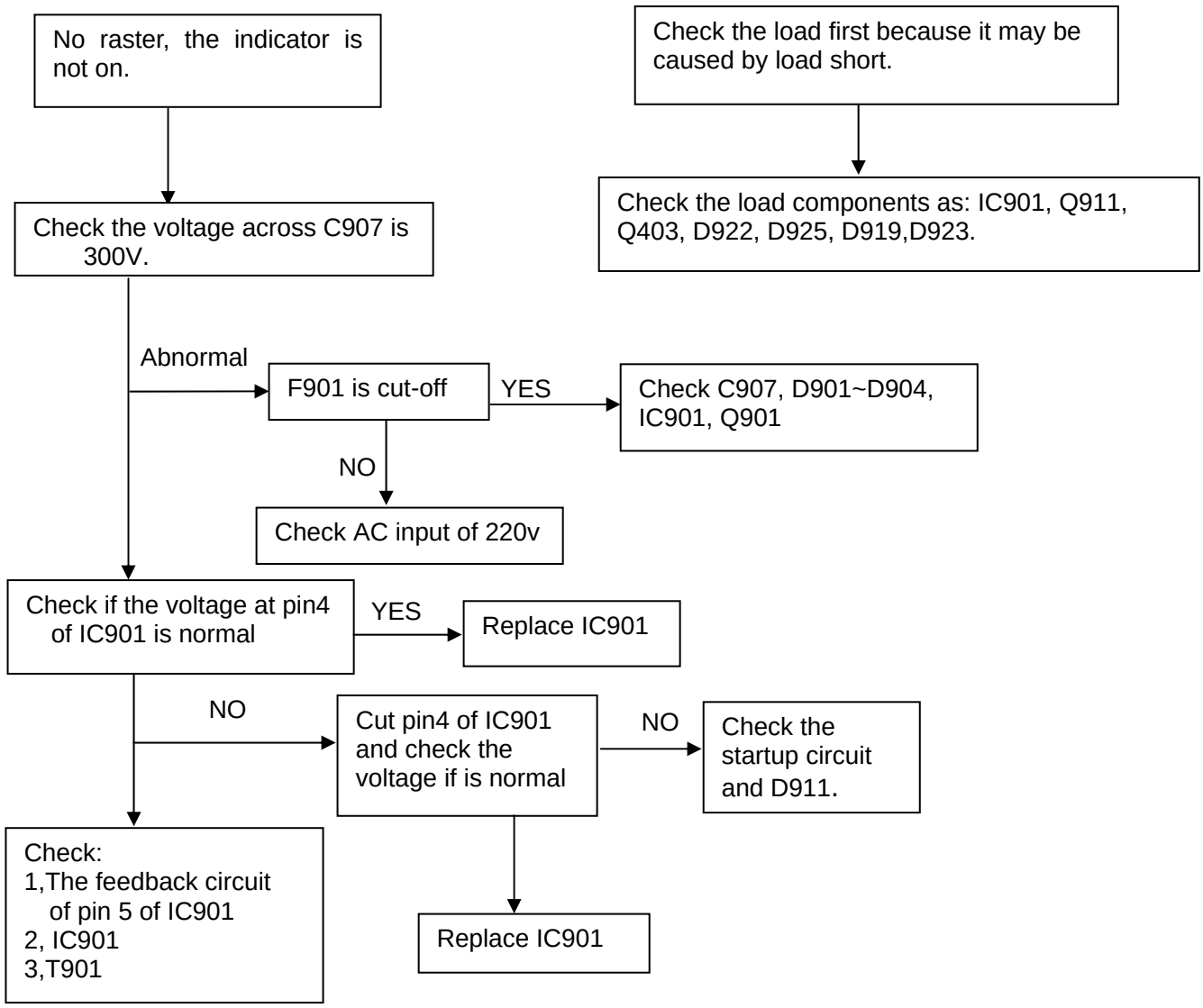
The vertical free –running frequency is determined by the capacitance C613 at pin22. Usually the free-running frequency should be lower than the minimum trigger frequency.

5-3 Transistor & Diode Circuit

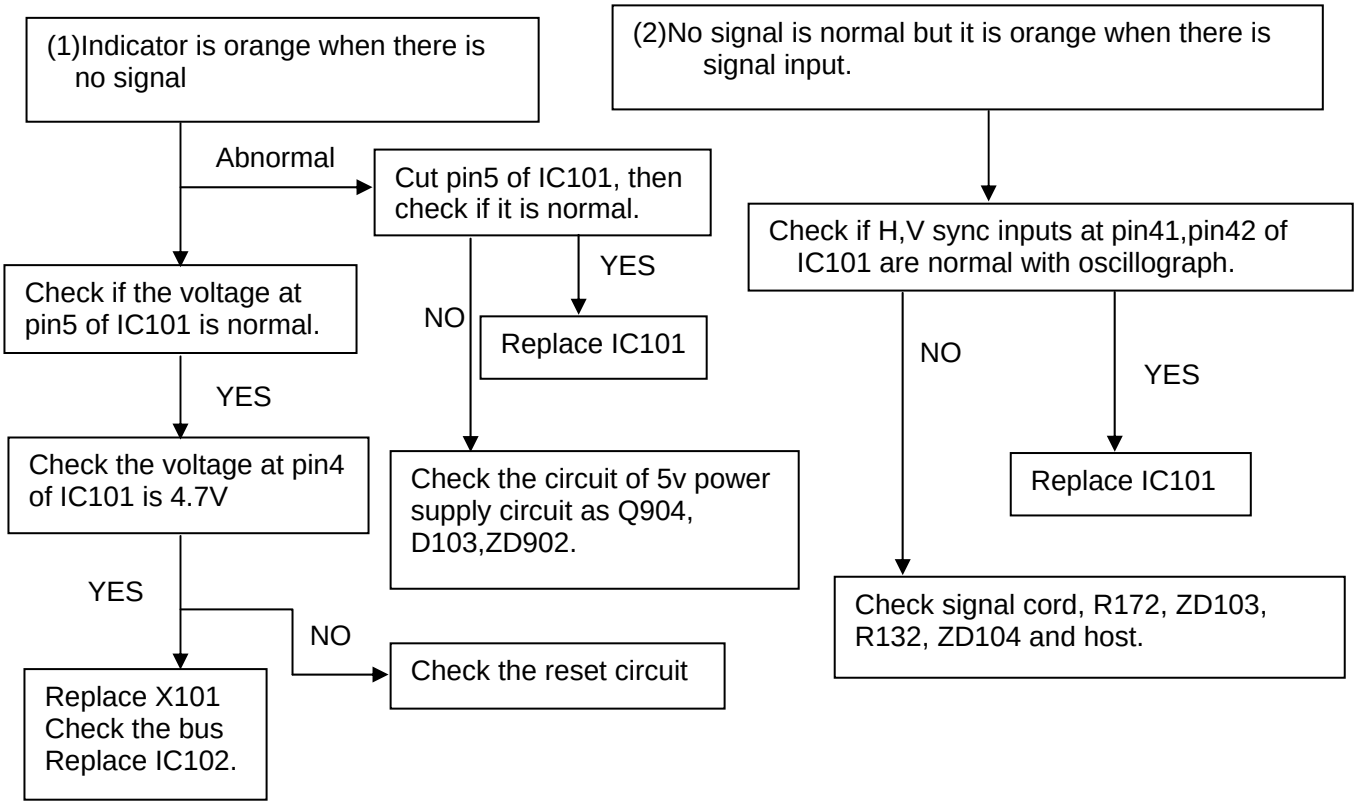
Location	Circuit Function Description
D901~D904	Bridge Rectifier for AC Source
D910	Clamp Diode for snub CKT
D919	Rectifier for Output Voltage
D922	Rectifier for Output Voltage
D923	Rectifier for Output Voltage
D925	Rectifier for B+ Supply
D929	B+ Feed Back Rectifier from F.B.T Pulse
IC901	Power IC for Switching Power Control. (Build-in MOS FET)
Q907, Q908	Use for Power Saving to Cut-off 6.3V Supply Voltage
Q909, Q910	Use for Power Saving to Cut-off 12.5V Supply Voltage
Q912, Q920	Push-Pull Topology to Drive Q911
Q913	Degaussing Switcher Transistor
Q904	5V Regulator Transistor
Q403	HOR. Driver Transistor
IC403	Horizontal s correction control MOSFET(Four in one)
Q404, Q405	As Differential Amp. to Drive Q406
Q406	Transistor for H-Size Control
Q705	Brightness Control CKT
Q742	V-Dynamic focus CKT

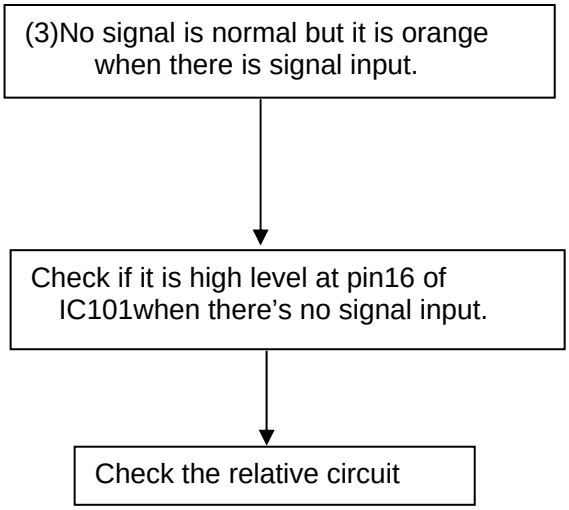
6.Trouble Shooting Chart

6-1 No Power

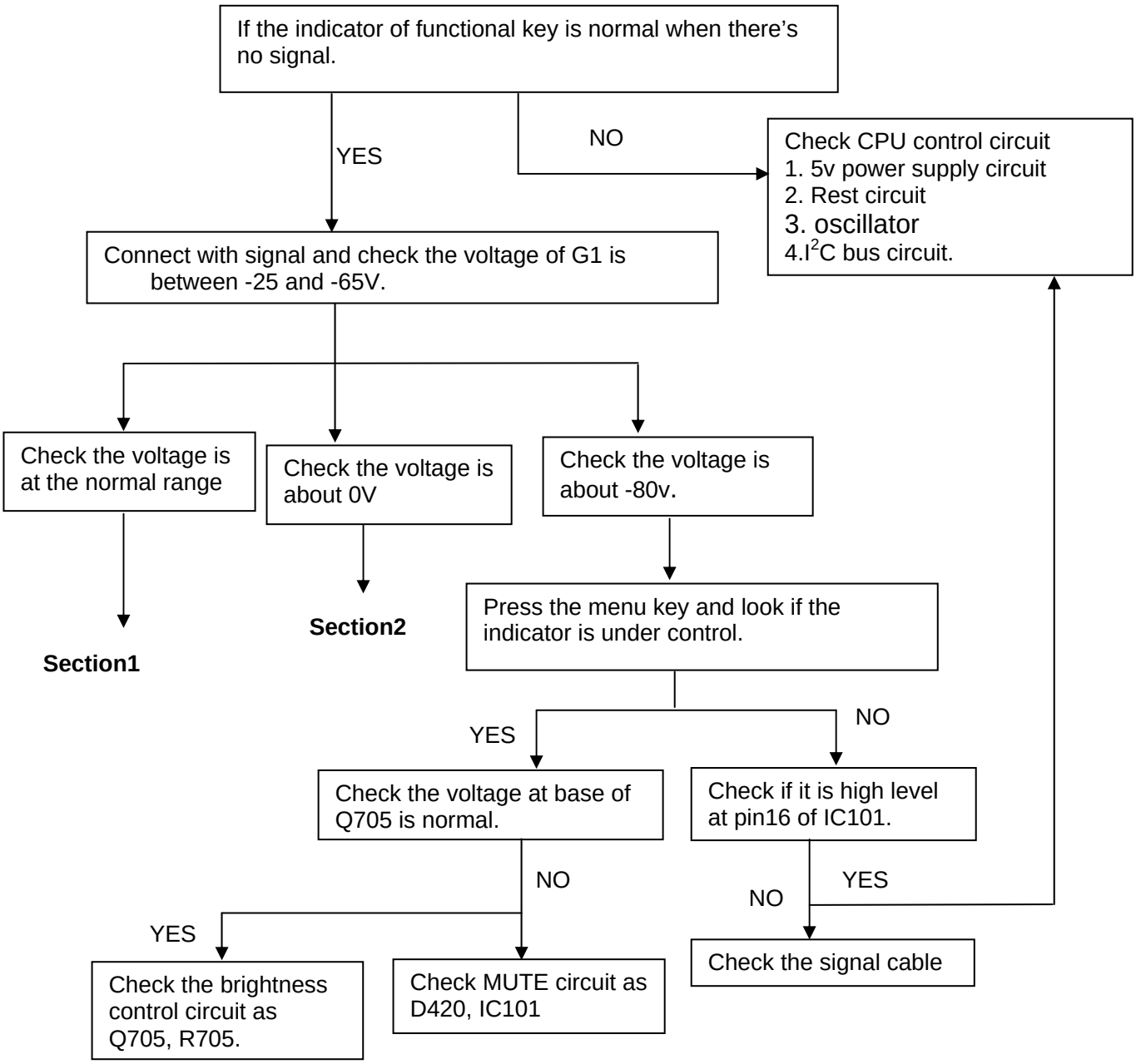


6-2. No Raster, No High Voltage, Indicator Is Orange

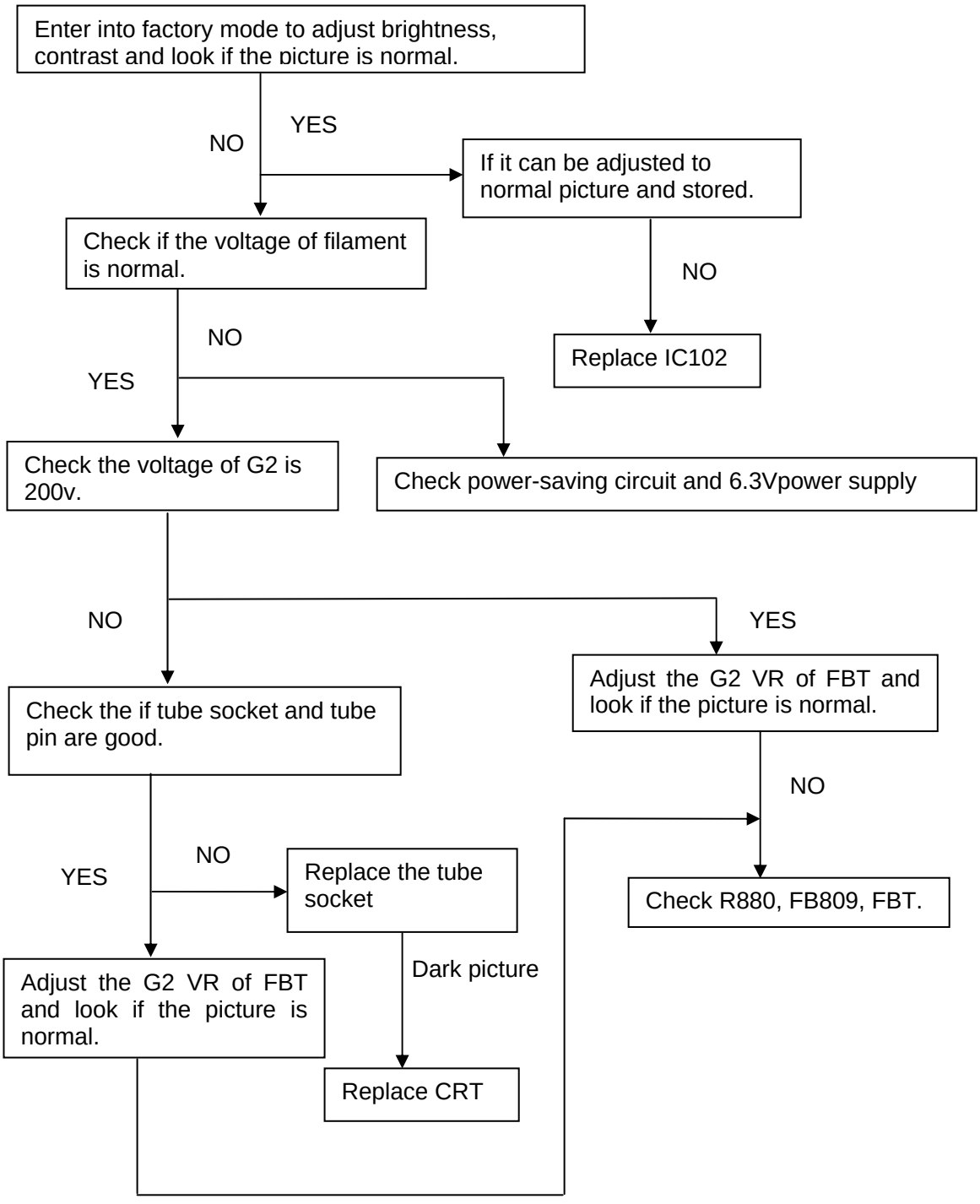




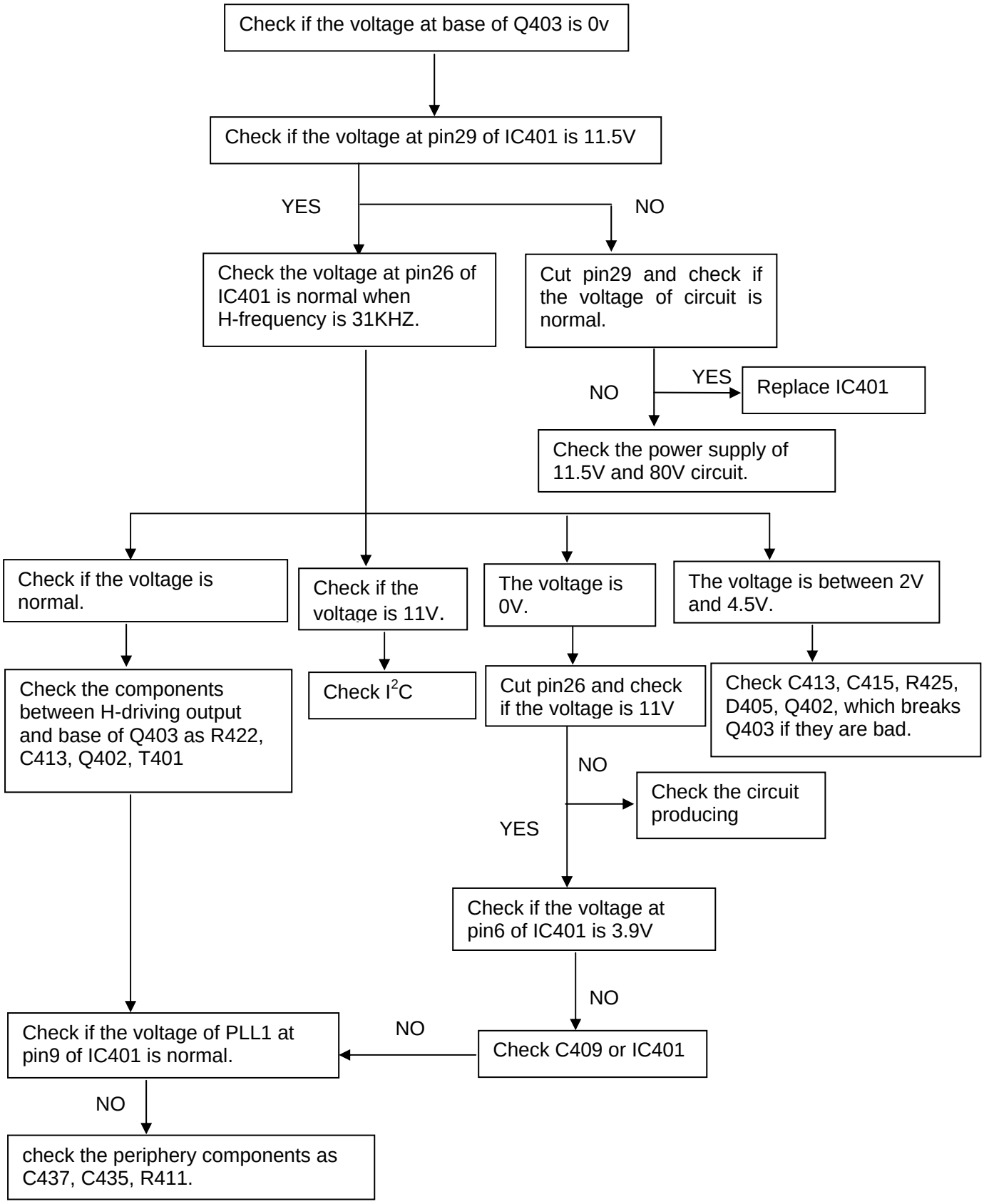
6-3. No Raster, Indicator Is Green



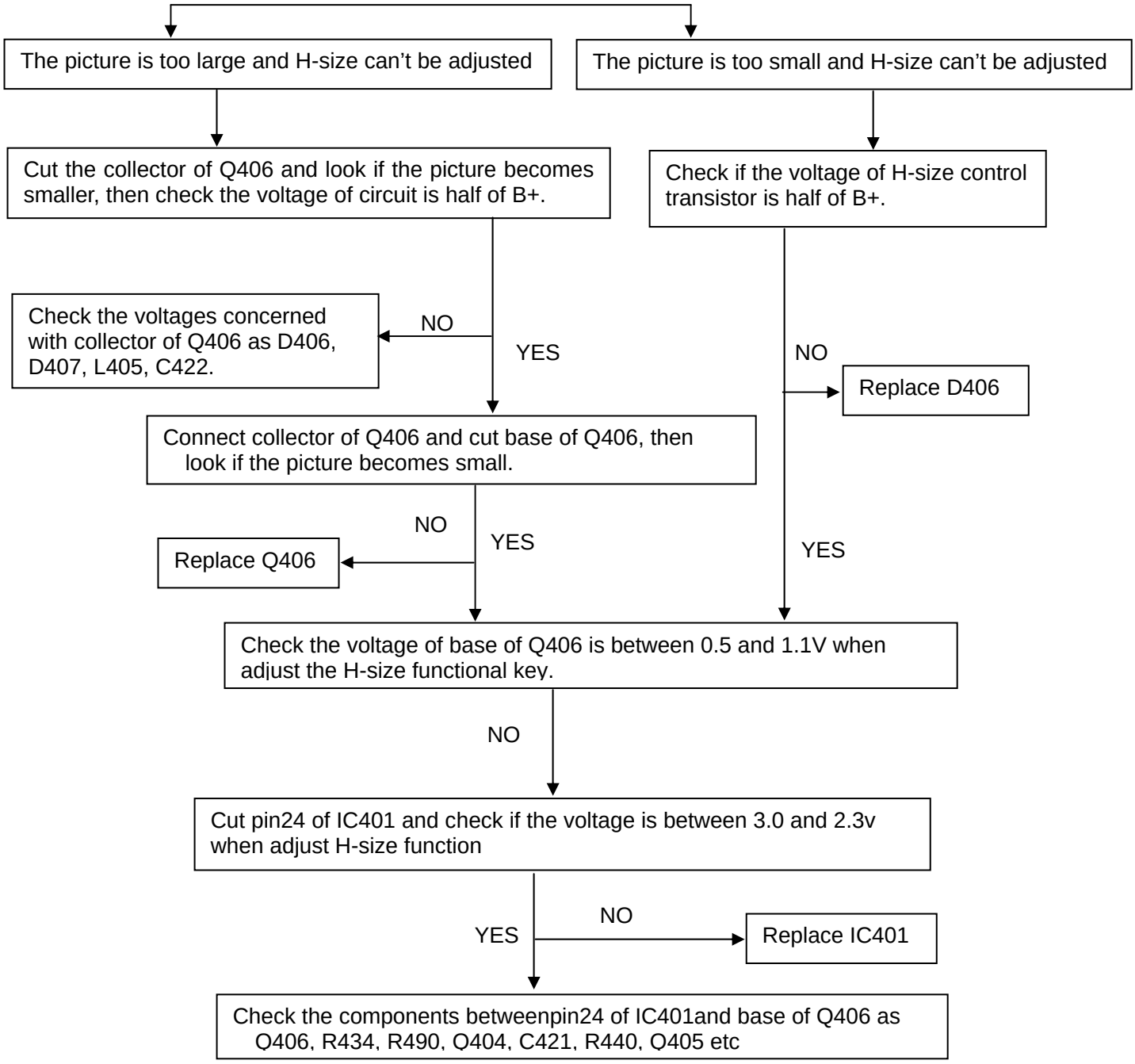
Section1


Enter into factory mode to adjust brightness, contrast and look if the picture is normal.
NO
YES
If it can be adjusted to normal picture and stored.
Check if the voltage of filament is normal.
NO
Replace IC102
NO
YES
Check the voltage of G2 is 200v.
Check power-saving circuit and 6.3Vpower supply
NO
YES
Adjust the G2 VR of FBT and look if the picture is normal.
Check the if tube socket and tube pin are good.
NO
YES
NO
Replace the tube socket
Check R880, FB809, FBT.
Dark picture
Adjust the G2 VR of FBT and look if the picture is normal.
Replace CRT

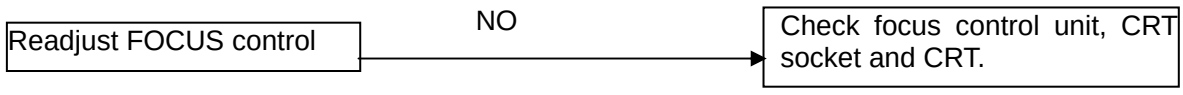
Section2


Check if the voltage at base of Q403 is 0v
Check if the voltage at pin29 of IC401 is 11.5V
YES
NO
Check the voltage at pin26 of IC401 is normal when H-frequency is 31KHZ.
Cut pin29 and check if the voltage of circuit is normal.
YES
NO
Replace IC401
Check the power supply of 11.5V and 80V circuit.
Check if the voltage is normal.
Check if the voltage is 11V.
The voltage is 0V.
The voltage is between 2V and 4.5V.
Check the components between H-driving output and base of Q403 as R422, C413, Q402, T401
Check I2C
Cut pin26 and check if the voltage is 11V
Check C413, C415, R425, D405, Q402, which breaks Q403 if they are bad.
NO
Check the circuit producing
YES
Check if the voltage at pin6 of IC401 is 3.9V
NO
Check if the voltage of PLL1 at pin9 of IC401 is normal.
NO
Check C409 or IC401
NO
check the periphery components as C437, C435, R411.

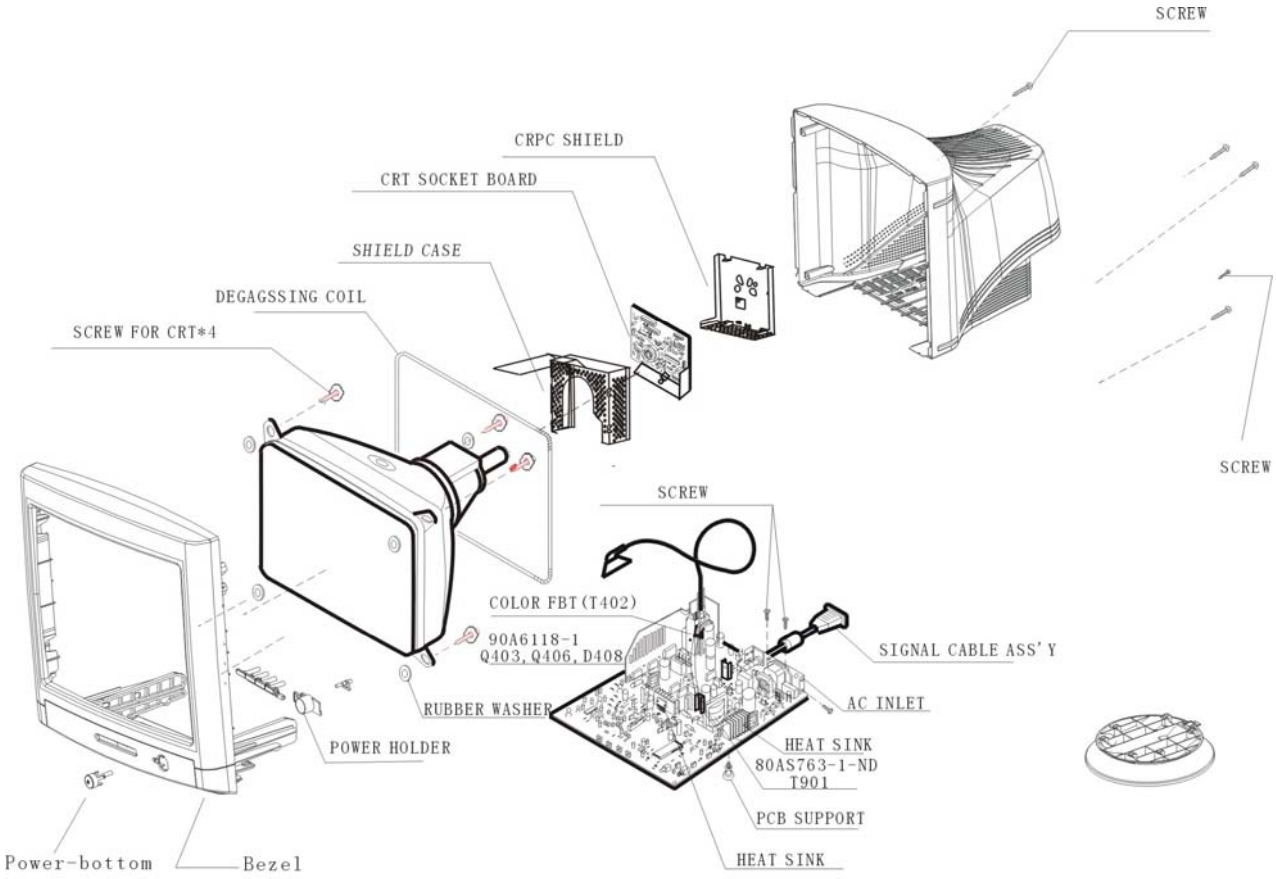
6-4 H-Size Fails To Be Adjusted



6-5 Bad Focus



7.Mechanical Of Cabinet Front Dis-Assembly



8.Parts List

S774BMCCCSO2

Location	Part Number	Description	Quantity	Unit
	001C 503504 47	SCREW FOR CRT	4.000	PCS
	005C600604075S	CRT WASHER	4.000	PCS
	007C 7 7112	Compound Pallet	1.000	PCS
	007C 7 7113	Compound Pallet	1.000	PCS
	007C 7 7114	Compound Pallet	1.000	PCS
	007C 7 7115	Compound Pallet	1.000	PCS
	011C 112 1	WIRE MONNTS	1.000	PCS
	011C 112500	WIRE MOUNT	1.000	PCS
	011C 115500	FBT CLIP	1.000	PCS
	011C6033 1	PCB SUPPORT	2.000	PCS
	019C 403 7	STEEL	1.000	PCS
	019C 506 5	SPRING	1.000	PCS
	033C3663 1	CRT SUPPORT	2.000	PCS
	033C6184 A5 A	KEY PAD	1.000	PCS
	034C6114 EY 2A	BACK COVER	1.000	PCS
	034C6115 EY L	SWIVEL	1.000	PCS
	034C6116 EY L	BASE	1.000	PCS
	034C6117DA5 2A	FRONT PANEL	1.000	PCS
	040C 581716 3A	CARTON LABEL	2.000	PCS
	040C2063716 8D	ID LABEL	1.000	PCS
	041C 6871623D	DOC KIT (375738-374)	1.000	PCS
	041C 6871629A	QSG (375685-B21)	1.000	PCS
	044C67C4 1	EPS CUSHION	1.000	PCS
	044C67C4 2	EPS CUSHION	1.000	PCS
	044C67C4716 1F	CARTON	1.000	PCS
	045C 88 7 H	PE BAG FOR MONITOR	1.000	PCS
	045C 88601	EPE COVER	1.000	PCS
	050C 500500	CABLE TIE	1.000	PCS
	050C 502 2	PLASTIC TIE	2.000	PCS
	050C 502 5	CABLE TIE	1.000	PCS
	051C 6 4	SILICON	9.000	G
	052C 1150 C	TAPE	12.000	CM
	052C 1185	MIDDLE TAPE FOR CARTON	150.000	CM
	052C 1185 1	BIG TAPE	150.000	CM
	052C 1186	SMALL TAPE	5.500	CM
	085C6020505	GROWVDED PLATE	2.000	PCS
	085C6027601	SHIELD CASE	1.000	PCS
	085C6028500	SHIELD CASE	1.000	PCS
	095C 91205755	WIRE HARNESS	1.000	PCS
AS1	095C205T 3006A	Wire Harness	1.000	PCS
	095C2070521	COPPER BRAID	1.000	PCS
	095C2070547	WIRE	2.000	PCS
	0B1C1035 10 47	SCREW	1.000	PCS
	0D1C1140 7128	SCREW 4X7(FOR AC)	1.000	PCS

	0Q1C 340 16 47	SCREW	4.000	PCS
	0Q1C1030 10128	SCRIW	1.000	PCS
	705A 78A HP UN	SPEAK ASS'Y	1.000	PCS
	750A1697504JAG	DEGAUSSING COIL	1.000	PCS
	CMS774B2NHP	CHASSIS FOR S774B-2HP	1.000	PCS
	Q33C6183 A5 A 27	POWER KNOB	1.000	PCS
	040C 58162435A	MANUAL P/N LABEL	1.000	PCS
E089B	089C174B5MC CG	SIGNAL CABLE	1.000	PCS
	089C402A19N LS	POWER CORD	2.000	PCS
	001C 421 4128	SCREW	2.000	PCS
GND2	009C 203 8	BRASS PIN	1.000	PCS
GND1	009C 203 8	BRASS PIN	1.000	PCS
	015C5640 1 A	GND LUG	1.000	PCS
	015C5643501	REAR BRACKET	1.000	PCS
	015C5689 1 A	GND LUG	1.000	PCS
CN902	033C3074 1	2P PLUG	1.000	PCS
P402	033C3192 4	4P PLUG	1.000	PCS
P803	033C3278 7D	WAFER*PLUG	1.000	PCS
CN903	033C3803 3	WAFER EH-E	1.000	PCS
	040C 581624 2B	CHASSIS LABEL	1.000	PCS
	055A 1 4	SOLDER BAR	22.000	G
IC401	056C 573513	E-STV9118	1.000	PCS
IC403	057C 767 2	STA524A	1.000	PCS
Q909	057C2015 1A	2SB772-P	1.000	PCS
Q907	057C2015 1A	2SB772-P	1.000	PCS
PR901	061C 52 27 4J	PTCR	1.000	PCS
R927	061C 208333 64	MOFR 33K OHM +-5% 1W	1.000	PCS
R914	061C 208680 64	MOFR 68 OHM +-5% 1W	1.000	PCS
R907	061C 208681 64	MOFR 680 OHM +-5% 1W	1.000	PCS
R701	061C152M100 64	MOFR 10 OHM+-5% 2W	1.000	PCS
R608	061C152M109 64	MOFR 1 OHM +-5% 2W	1.000	PCS
R401	061C152M109 64	MOFR 1 OHM +-5% 2W	1.000	PCS
R407	061C152M158 64	0.15 OHM +-5% 2W	1.000	PCS
R929	061C152M228 64	MOFR 0.22 OHM+-5% 2W	1.000	PCS
R911	061C152M820 64	MOFR 82 OHM+-5% 2W	1.000	PCS
R912	061C152M829 64	MOFR 8.2 OHM+-5% 2W	1.000	PCS
R456	061C153M271 59	MOFR 270 OHM+-5% 3W	1.000	PCS
R426	061C153M330 59	MOFR 33 OHM +-5% 3W	1.000	PCS
R428	061C153M688 59	MOFR 0.68 OHM +-5% 3W	1.000	PCS
SG489	062A 10 16 W	SPARK GAP	1.000	PCS
C900	063C107K474 US	470NF,275VAC,X2,K	1.000	PCS
C901	063C107K474 US	470NF,275VAC,X2,K	1.000	PCS
C420	063C210J1842CC	0.18UF +-5% 250V FOR CAMEL	1.000	PCS
C427	063C210J2042CC	0.2UF 250V BY CAMEL	1.000	PCS
C419	063C210J4325CU	4.3nF/1KV +-5%	1.000	PCS
C418	063C210J5127CC	.0051UF +-5% 1500V	1.000	PCS
C428	063C210J6442CC	0.64U 250V CAMEL	1.000	PCS
C920	064C 45G4711AT	470PF +-20% 100V	1.000	PCS

C422	064C100J225 59	2.2UF +-5% 100V	1.000	PCS
C911	065C 1K101 5T6921	100PF/1KV Y5P+-10%	1.000	PCS
C919	065C 2M103 3B6921	0.01UF 2KV 20% Z5U	1.000	PCS
C964	065C305M1032BH	10NF,400VAC, Y2, M	1.000	PCS
C960	065C305M3322B2	3.3NF,400VAC, Y2, M	1.000	PCS
C961	065C305M3322BH	Y2 3300PF +-20% 250VAC/400VAC	1.000	PCS
C963	065C305M4722B2	4.7NF,400VAC,Y2, M	1.000	PCS
C962	065C305M4722B2	4.7NF,400VAC,Y2, M	1.000	PCS
C907	067C 3022115X	220UF +-20% 450V	1.000	PCS
C931	067C 215221 9J	220UF +-20% 100V JAMICON	1.000	PCS
C432	067C 21547011J	47UF +-20% 200V JAMICON	1.000	PCS
C482	067C 21547011J	47UF +-20% 200V JAMICON	1.000	PCS
C713	067C 305100 12	10UF +-20% 250V	1.000	PCS
C936	067C 305102 4	1000UF +-20% 25V	1.000	PCS
C401	067C 309102 3	1000UF +-20% 16V	1.000	PCS
C405	067C 309102 3	1000UF +-20% 16V	1.000	PCS
C402	067C 309470 9	47UF +-20% 100V	1.000	PCS
DF925	071C 55 2 A	FERRITE BEAD 3*5*1.5	1.000	PCS
DF903	071C 55 2 A	FERRITE BEAD 3*5*1.5	2.000	PCS
DF904	071C 55 2 A	FERRITE BEAD 3*5*1.5	2.000	PCS
DF901	071C 55 2 A	FERRITE BEAD 3*5*1.5	2.000	PCS
DF902	071C 55 2 A	FERRITE BEAD 3*5*1.5	2.000	PCS
FB902	071C 55 21	FERRITE BEAD 10*6.0*0.8	1.000	PCS
FB903	071C 55 21	FERRITE BEAD 10*6.0*0.8	1.000	PCS
J036	071C 55 29	FERRITE BEAD	1.000	PCS
FB907	071C 55503	FERRITE BEAD	1.000	PCS
	071C 100 7	FERRITE CORE	1.000	PCS
	071C 100 8	FERRITE CORE 12*25*15	1.000	PCS
	071C 100 9	FERRIRE CORE 28.5*17.5*9.5	1.000	PCS
L902	073A 174 2HAG	LINE FILTER	1.000	PCS
L901	073A 174 7S3G	LINE FILTER	1.000	PCS
L400	073C 147523HA2	LINEARITY COIL	1.000	PCS
L405	073C 253 69 T	CHOKE COIL 150UH +-10%	1.000	PCS
L906	073C 253 88 TB	CHOKE COIL	1.000	PCS
VR902	075A 334303	CFVR 30K OHM +-20%	1.000	PCS
RY901	077C 260 5 4	RELAY	1.000	PCS
<SW102>	077C 602 1 CJ	TACT SWITCH TSVB-2-T-NP	1.000	PCS
<SW101>	077C 602 1 CJ	TACT SWITCH TSVB-2-T-NP	1.000	PCS
<SW103>	077C 602 1 CJ	TACT SWITCH TSVB-2-T-NP	1.000	PCS
<SW104>	077C 602 1 CJ	TACT SWITCH TSVB-2-T-NP	1.000	PCS
SW902	077C411A 2 CJ	MINI PUSH SWITCH	1.000	PCS
T402	079A 774 1 BG	FBT	1.000	PCS
T901	080AS774 2 NG	TRANSFORMER	1.000	PCS
LED1	081C 11500GGP	LED	1.000	PCS
D901	093C 5255P52T	1N5408 PEC	1.000	PCS
D904	093C 5255W52T	RECTIFIER DIODE 1N5408/GRANDE	1.000	PCS
D902	093C 5255W52T	RECTIFIER DIODE 1N5408/GRANDE	1.000	PCS
D903	093C 5255W52T	RECTIFIER DIODE 1N5408/GRANDE	1.000	PCS

D925	093C30408AT	RG-4S	1.000	PCS
D922	093C30408AT	RG-4S	1.000	PCS
A3-A4	095C 201 69032	WIRE	1.000	PCS
SS1	095C2070548	WIRE	1.000	PCS
	095C2070586	WIVE HARNESS	1.000	PCS
H802	095C8013 14616	WIRE HARNESS	1.000	PCS
	0B1C1040 12128	SCREW	1.000	PCS
	0D1C1140 7128	SCREW 4X7(FOR AC)	2.000	PCS
	0M1C1140 6128	SCREW	1.000	PCS
	705A774BC56 1C	WT CPU ASS'Y	1.000	PCS
	705A774BC5602C	IC901 ASS'Y	1.000	PCS
	705A774BC57 3C	Q911 ASS'Y	1.000	PCS
	705A774BC5701C	Q403/D408/Q406 ASS'Y	1.000	PCS
	705A774BC6101C	NR901 ASS'Y	1.000	PCS
	705A774BC84 2H	F901 ASS'Y	1.000	PCS
	705A774BC8702C	CN901 ASS'Y	1.000	PCS
	705A774BC9301C	D919 ASS'Y	1.000	PCS
	705A774BC9302H	D911 ASS'Y	1.000	PCS
E750A	750A5852774AVH	17" CPT TCO ASS'Y	1.000	PCS
	AMS774B2NHPQ	MAIN BOARD	1.000	PCS
	CRS774B2NHPQ	CRT BOARD	1.000	PCS
X101	093C 2243A PT	CRYSTAL	1.000	PCS
XGND	095C 90 23	JUMPER	1.000	PCS
IC101	056C1125577 A1	6148-KC421A0-175C	1.000	PCS
IC102	056C1133 13	24LC08B/PG	1.000	PCS
IC901	056C 379504	STR-G5643D	1.000	PCS
	090C 339509 PA	HEAT SINK	1.000	PCS
	0M1C1730 101286175	SCREW M3X10	1.000	PCS
	002C6003 1	SCREW NUT	1.000	PCS
	032C3028 8	MICA	1.000	PCS
Q911	057C 600512	STP8NS25-E	1.000	PCS
	090C6209 2	HEAT SINK	1.000	PCS
	0M1C1730 10128	SCREW M3x10	1.000	PCS
	005C 71 1	TRANSISTOR HOUSING	2.000	PCS
	032C3028504	MICA	2.000	PCS
IC601	056C 574501	E-STV9302A	1.000	PCS
Q406	057C 415 1	TR.NPN TIP122/FAIRCHILD	1.000	PCS
Q403	057C 706505	2SC5929	1.000	PCS
	090C6069509	HEAT SINK	1.000	PCS
D408	093C 220512	DMV1500MFD	1.000	PCS
HV1	095C205T 30062	UL1015#18BLK.TOPCOAT	1.000	PCS
	0M1C1130 8128	SCREW 3.0X8	2.000	PCS
	0M1C1730 8128	SCREW M3x8	1.000	PCS
	0M1C1730 10128	SCREW M3x10	1.000	PCS
	0M1C1730 12128	SCREW	2.000	PCS
	009C 203 9	PIN	1.000	PCS
NR901	061C 58 8T L	NTCR 15OHM+-15%2.5A THINKING	1.000	PCS
F901	084A 7H400 SL	FUSE 4A 250V LF-618 004	1.000	PCS

	084C 33 10	FUSE CLIP	2.000	PCS
	087A 501 6 6425	RECEPTACLES	1.000	PCS
CN901	095C 800 2 2	WIRE	1.000	PCS
DF919	071C 55 2 A	FERRITE BEAD 3*5*1.5	1.000	PCS
	090C6118 1	HEAT SINK	1.000	PCS
D919	093C 6073A	F R D 3A/400V 31DF4/I.R	1.000	PCS
	061C175L15952T	CFR 1.5 OHM +-5% 1/2W	1.000	PCS
2	093A106050652T	SBYV26C	1.000	PCS
	096C 29 4	PLASTIC TUBEL	20.000	CM
	750A5852774AVH P	17" CPT TCO ASS'Y for P	1.000	PCS
	750A5852774AVH C	17" CPT TCO ASS'Y for C	1.000	PCS
	006C 31 4	BRASS	21.000	PCS
	006C 31500	EYELET	2.000	PCS
	006C 31500	EYELET	2.000	PCS
	006C 31501	BRASS	2.000	PCS
	006C 31501	BRASS	2.000	PCS
	006C 31502	BRASS	2.000	PCS
	006C 31502	BRASS	6.000	PCS
	715C1316 5HPQ	CMPC	1.000	PCS
J068	095C 90 23	JUMPER	1.000	PCS
J069	095C 90 23	JUMPER	1.000	PCS
J070	095C 90 23	JUMPER	1.000	PCS
J071	095C 90 23	JUMPER	1.000	PCS
J072	095C 90 23	JUMPER	1.000	PCS
J073	095C 90 23	JUMPER	1.000	PCS
J074	095C 90 23	JUMPER	1.000	PCS
J076	095C 90 23	JUMPER	1.000	PCS
J077	095C 90 23	JUMPER	1.000	PCS
J078	095C 90 23	JUMPER	1.000	PCS
J079	095C 90 23	JUMPER	1.000	PCS
J081	095C 90 23	JUMPER	1.000	PCS
J067	095C 90 23	JUMPER	1.000	PCS
J051	095C 90 23	JUMPER	1.000	PCS
J054	095C 90 23	JUMPER	1.000	PCS
J055	095C 90 23	JUMPER	1.000	PCS
J056	095C 90 23	JUMPER	1.000	PCS
J057	095C 90 23	JUMPER	1.000	PCS
J058	095C 90 23	JUMPER	1.000	PCS
J060	095C 90 23	JUMPER	1.000	PCS
J061	095C 90 23	JUMPER	1.000	PCS
J062	095C 90 23	JUMPER	1.000	PCS
J063	095C 90 23	JUMPER	1.000	PCS
J064	095C 90 23	JUMPER	1.000	PCS
J066	095C 90 23	JUMPER	1.000	PCS
J103	095C 90 23	JUMPER	1.000	PCS
J105	095C 90 23	JUMPER	1.000	PCS
J106	095C 90 23	JUMPER	1.000	PCS
JW1	095C 90 23	JUMPER	1.000	PCS

JW2	095C 90 23	JUMPER	1.000	PCS
JW3	095C 90 23	JUMPER	1.000	PCS
JW4	095C 90 23	JUMPER	1.000	PCS
JW5	095C 90 23	JUMPER	1.000	PCS
R417	095C 90 23	JUMPER	1.000	PCS
R444	095C 90 23	JUMPER	1.000	PCS
R448	095C 90 23	JUMPER	1.000	PCS
R484	095C 90 23	JUMPER	1.000	PCS
J102	095C 90 23	JUMPER	1.000	PCS
J083	095C 90 23	JUMPER	1.000	PCS
J086	095C 90 23	JUMPER	1.000	PCS
J087	095C 90 23	JUMPER	1.000	PCS
J088	095C 90 23	JUMPER	1.000	PCS
J090	095C 90 23	JUMPER	1.000	PCS
J091	095C 90 23	JUMPER	1.000	PCS
J092	095C 90 23	JUMPER	1.000	PCS
J094	095C 90 23	JUMPER	1.000	PCS
J095	095C 90 23	JUMPER	1.000	PCS
J096	095C 90 23	JUMPER	1.000	PCS
J097	095C 90 23	JUMPER	1.000	PCS
J099	095C 90 23	JUMPER	1.000	PCS
J024	095C 90 23	JUMPER	1.000	PCS
J023	095C 90 23	JUMPER	1.000	PCS
J022	095C 90 23	JUMPER	1.000	PCS
J021	095C 90 23	JUMPER	1.000	PCS
J020	095C 90 23	JUMPER	1.000	PCS
J019	095C 90 23	JUMPER	1.000	PCS
J017	095C 90 23	JUMPER	1.000	PCS
J016	095C 90 23	JUMPER	1.000	PCS
J013	095C 90 23	JUMPER	1.000	PCS
J011	095C 90 23	JUMPER	1.000	PCS
J010	095C 90 23	JUMPER	1.000	PCS
J009	095C 90 23	JUMPER	1.000	PCS
J007	095C 90 23	JUMPER	1.000	PCS
J006	095C 90 23	JUMPER	1.000	PCS
FB906	095C 90 23	JUMPER	1.000	PCS
FB905	095C 90 23	JUMPER	1.000	PCS
FB904	095C 90 23	JUMPER	1.000	PCS
D914	095C 90 23	JUMPER	1.000	PCS
C450	095C 90 23	JUMPER	1.000	PCS
J050	095C 90 23	JUMPER	1.000	PCS
J049	095C 90 23	JUMPER	1.000	PCS
J048	095C 90 23	JUMPER	1.000	PCS
J047	095C 90 23	JUMPER	1.000	PCS
J046	095C 90 23	JUMPER	1.000	PCS
J045	095C 90 23	JUMPER	1.000	PCS
J044	095C 90 23	JUMPER	1.000	PCS
J042	095C 90 23	JUMPER	1.000	PCS

J040	095C 90 23	JUMPER	1.000	PCS
J037	095C 90 23	JUMPER	1.000	PCS
J025	095C 90 23	JUMPER	1.000	PCS
J026	095C 90 23	JUMPER	1.000	PCS
J027	095C 90 23	JUMPER	1.000	PCS
J028	095C 90 23	JUMPER	1.000	PCS
J029	095C 90 23	JUMPER	1.000	PCS
J030	095C 90 23	JUMPER	1.000	PCS
J032	095C 90 23	JUMPER	1.000	PCS
J033	095C 90 23	JUMPER	1.000	PCS
J034	095C 90 23	JUMPER	1.000	PCS
R725	061A212Y56352T	MGFR 56K OHM +-5% 1/2W	1.000	PCS
R967	061A212Y62352T	62KOHM 1/2W	1.000	PCS
R939	061A212Y75452T	750KOHM 1/2W	1.000	PCS
R917	061A214Y27252T	2.7K 1/4W	1.000	PCS
NR601	061C 58251 UT	NTCR350OHM+-15%3000K UPPERMOST	1.000	PCS
R413	061C 17210052T	CFR 10OHM+-5% 1/4W	1.000	PCS
R424	061C 17210052T	CFR 10OHM+-5% 1/4W	1.000	PCS
R906	061C 17210052T	CFR 10OHM+-5% 1/4W	1.000	PCS
R454	061C 17210052T	CFR 10OHM+-5% 1/4W	1.000	PCS
R909	061C 17210152T	CFR 100OHM+-5% 1/4W	1.000	PCS
R425	061C 17210152T	CFR 100OHM+-5% 1/4W	1.000	PCS
R613	061C 17210252T	CFR 1KOHM +-5% 1/4W	1.000	PCS
R958	061C 17210252T	CFR 1KOHM +-5% 1/4W	1.000	PCS
R749	061C 17210452T	CFR100K OHM +-5% 1/4W	1.000	PCS
R913	061C 17210452T	CFR100K OHM +-5% 1/4W	1.000	PCS
R904	061C 17212252T	CFR 1.2K OHM +-5% 1/4W	1.000	PCS
R402	061C 17212252T	CFR 1.2K OHM +-5% 1/4W	1.000	PCS
R603	061C 17212352T	CFR 12K OHM +-5% 1/4W	1.000	PCS
R490	061C 17212352T	CFR 12K OHM +-5% 1/4W	1.000	PCS
R610	061C 17212452T	CFR 120K OHM +-5% 1/4W	1.000	PCS
R615	061C 17212452T	CFR 120K OHM +-5% 1/4W	1.000	PCS
R969	061C 17212452T	CFR 120K OHM +-5% 1/4W	1.000	PCS
R703	061C 17215152T	CFR 150 OHM +-5% 1/4W	1.000	PCS
R968	061C 17216452T	CFR 160KOHM +-5% 1/4W	1.000	PCS
R430	061C 17218452T	CFR 180KOHM+-5% 1/4W	1.000	PCS
R462	061C 17220352T	CFR 20KOHM+-5% 1/4W	1.000	PCS
R972	061C 17220352T	CFR 20KOHM+-5% 1/4W	1.000	PCS
R994	061C 17220352T	CFR 20KOHM+-5% 1/4W	1.000	PCS
R463	061C 17220552T	CFR 2MOHM+-5% 1/4W	1.000	PCS
R980	061C 17222152T	CFR 220OHM+-5% 1/4W	1.000	PCS
R612	061C 17222252T	CFR 2.2KOHM+-5% 1/4W	1.000	PCS
R478	061C 17222452T	CFR 220KOHM+-5% 1/4W	1.000	PCS
R472	061C 17222452T	CFR 220KOHM+-5% 1/4W	1.000	PCS
R453	061C 17222452T	CFR 220KOHM+-5% 1/4W	1.000	PCS
R601	061C 17224352T	CFR 24KOHM+-5% 1/4W	1.000	PCS
R966	061C 17230252T	CFR 3KOHM+-5% 1/4W	1.000	PCS
R720	061C 17239252T	CFR 3.9K OHM +-5% 1/4W	1.000	PCS

R434	061C 17239252T	CFR 3.9K OHM +-5% 1/4W	1.000	PCS
R962	061C 17247052T	CFR 47 OHM +-5% 1/4W	1.000	PCS
R951	061C 17247152T	CFR 470OHM +-5% 1/4W	1.000	PCS
R486	061C 17247252T	CFR 4.7K OHM +-5% 1/4W	1.000	PCS
R473	061C 17247252T	CFR 4.7K OHM +-5% 1/4W	1.000	PCS
R439	061C 17247252T	CFR 4.7K OHM +-5% 1/4W	1.000	PCS
R960	061C 17247352T	CFR 47K OHM +-5% 1/4W	1.000	PCS
R474	061C 17247352T	CFR 47K OHM +-5% 1/4W	1.000	PCS
R450	061C 17247352T	CFR 47K OHM +-5% 1/4W	1.000	PCS
R419	061C 17247352T	CFR 47K OHM +-5% 1/4W	1.000	PCS
R415	061C 17247352T	CFR 47K OHM +-5% 1/4W	1.000	PCS
R965	061C 17247952T	CFR 4.7 OHM +-5% 1/4W	1.000	PCS
R941	061C 17251152T	CFR 510 OHM +-5% 1/4W	1.000	PCS
R431	061C 17262252T	CFR 6.2K OHM +-5% 1/4W	1.000	PCS
R930	061C 17268152T	CFR 680 OHM +-5% 1/4W	1.000	PCS
R418	061C 20011252T	1.1KOHM 1/4W	1.000	PCS
R440	061C 20033252T	MFR 3.3KOHM+-1% 1/4W	1.000	PCS
R602	061C 20039252T	MFR 3.9KOHM +-1% 1/4W	1.000	PCS
R416	061C 20051252T	5.1KOHM 1/4W	1.000	PCS
R604	061C 20056252T	MFR 5.6KOHM+-1% 1/4W	1.000	PCS
R433	061C 21010252T	MFR 1K OHM +- 1% 1/6W	1.000	PCS
R611	061C 21012452T	120KOHM 1/6W	1.000	PCS
R436	061C 21022252T	MFR 2.2K OHM +- 1% 1/6W	1.000	PCS
R621	061C 21025352T	MFR 25KOHM +-1% 1/6W	1.000	PCS
J080	061C 21036352T	36KOHM 1/6W	1.000	PCS
J035	061C 21036352T	36KOHM 1/6W	1.000	PCS
R412	061C 21051252T	MFR 5.1KOHM +-1% 1/6W	1.000	PCS
R617	061C 21062352T	62KOHM 1/6W	1.000	PCS
R609	061C 21075352T	75KOHM 1/6W	1.000	PCS
R120	061C 60210052T	CFR 10 OHM +-5% 1/6W	1.000	PCS
R119	061C 60210052T	CFR 10 OHM +-5% 1/6W	1.000	PCS
R422	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R406	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R405	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R404	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R403	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R172	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R143	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R132	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R117	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R105	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R103	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R137	061C 60210252T	CFR 1K OHM+-5% 1/6W	1.000	PCS
R136	061C 60210252T	CFR 1K OHM+-5% 1/6W	1.000	PCS
R101	061C 60210252T	CFR 1K OHM+-5% 1/6W	1.000	PCS
R126	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R983	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R982	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS

R959	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R953	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R952	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R933	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R921	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R776	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R748	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R432	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R134	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R130	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R100	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R128	061C 60216352T	CFR 16K OHM +-5% 1/6W	1.000	PCS
R106	061C 60220252T	CFR 2K OHM+-5% 1/6W	1.000	PCS
R157	061C 60222252T	CFR 2.2K OHM +-5% 1/6W	1.000	PCS
R156	061C 60222252T	CFR 2.2K OHM +-5% 1/6W	1.000	PCS
R135	061C 60222252T	CFR 2.2K OHM +-5% 1/6W	1.000	PCS
R109	061C 60222252T	CFR 2.2K OHM +-5% 1/6W	1.000	PCS
R108	061C 60222252T	CFR 2.2K OHM +-5% 1/6W	1.000	PCS
R414	061C 60227252T	CFR 2.7K OHM+-5% 1/6W	1.000	PCS
R181	061C 60227252T	CFR 2.7K OHM+-5% 1/6W	1.000	PCS
R127	061C 60227352T	CFR 27K OHM+-5% 1/6W	1.000	PCS
R706	061C 60230152T	300OHM 1/6W	1.000	PCS
R107	061C 60230352T	CFR 30K OHM+-5% 1/6W	1.000	PCS
R902	061C 60239252T	CFR 3.9K OHM+-5% 1/6W	1.000	PCS
R182	061C 60239252T	CFR 3.9K OHM+-5% 1/6W	1.000	PCS
R125	061C 60247052T	CFR 47 OHM +-5% 1/6W	1.000	PCS
R129	061C 60247152T	CFR 470 OHM +-5% 1/6W	1.000	PCS
R121	061C 60247152T	CFR 470 OHM +-5% 1/6W	1.000	PCS
R116	061C 60247152T	CFR 470 OHM +-5% 1/6W	1.000	PCS
R115	061C 60247152T	CFR 470 OHM +-5% 1/6W	1.000	PCS
R112	061C 60247252T	CFR 4.7K OHM+-5% 1/6W	1.000	PCS
R104	061C 60247252T	CFR 4.7K OHM+-5% 1/6W	1.000	PCS
R131	061C 60247252T	CFR 4.7K OHM+-5% 1/6W	1.000	PCS
R124	061C 60247252T	CFR 4.7K OHM+-5% 1/6W	1.000	PCS
R153	061C 60247252T	CFR 4.7K OHM+-5% 1/6W	1.000	PCS
R133	061C 60247252T	CFR 4.7K OHM+-5% 1/6W	1.000	PCS
R957	061C 60247352T	CFR 47K OHM+-5% 1/6W	1.000	PCS
R905	061C 60251252T	CFR 5.1K OHM+-5% 1/6W	1.000	PCS
R411	061C 60256252T	CFR 5.6KOHM+-5% 1/6W	1.000	PCS
R713	061C 60256252T	CFR 5.6KOHM+-5% 1/6W	1.000	PCS
R102	061C 60262152T	CFR 620 OHM+-5% 1/6W	1.000	PCS
R751	061C 60268152T	CFR 680 OHM +-5% 1/6W	1.000	PCS
R910	061C 60291352T	CFR 91K OHM +-5% 1/6W	1.000	PCS
R123	061C172S22152T	RES CF 5% 1/4W 220OHM A	1.000	PCS
R715	061C172S36352T	36KO 1/4W	1.000	PCS
J065	061C175L10052T	CFR 10 OHM +-5% 1/2W	1.000	PCS
R410	061C175L10052T	CFR 10 OHM +-5% 1/2W	1.000	PCS
R429	061C175L10052T	CFR 10 OHM +-5% 1/2W	1.000	PCS

R981	061C175L10152T	CFR 100 OHM +-5% 1/2W	1.000	PCS
R721	061C175L10252T	CFR 1K OHM +-5% 1/2W	1.000	PCS
R901	061C175L10552T	CFR 1M OHM +-5% 1/2W	1.000	PCS
R606	061C175L12152T	CFR 120 OHM +-5% 1/2W	1.000	PCS
R741	061C175L12452T	CFR 120K OHM +-5% 1/2W	1.000	PCS
R605	061C175L15952T	CFR 1.5 OHM +-5% 1/2W	1.000	PCS
R740	061C175L56352T	CFR 56K OHM +-5% 1/2W	1.000	PCS
R908	061C175L75952T	CFR 7.5 OHM +-5% 1/2W	1.000	PCS
R441	061C175L82352T	CFR 82K OHM +-5% 1/2W	1.000	PCS
FB901	071C 55 19 T	FERRITE BEAD 9X3.5X0.8	1.000	PCS
FB402	071C 55 19 T	FERRITE BEAD 9X3.5X0.8	1.000	PCS
J002	071C 55 29	FERRITE BEAD	1.000	PCS
J001	071C 55 29	FERRITE BEAD	1.000	PCS
ZD702	093A 3960052T	HZ4A3/HITACHI	1.000	PCS
ZD901	093C 3951652T	TZX5V1B	1.000	PCS
ZD101	093C 3951752T	TZX6V2C	1.000	PCS
ZD102	093C 3951752T	TZX6V2C	1.000	PCS
ZD103	093C 3951752T	TZX6V2C	1.000	PCS
ZD104	093C 3951752T	TZX6V2C	1.000	PCS
ZD903	093C 3953252T	TZX24B	1.000	PCS
ZD902	093C 396V1 V	TZX6V2B	1.000	PCS
D471	093C 5247P52T	1N4004	1.000	PCS
D601	093C 5247P52T	1N4004	1.000	PCS
D472	093C 5247P52T	1N4004	1.000	PCS
D427	093C 5247P52T	1N4004	1.000	PCS
D401	093C 6021P52T	PS156R	1.000	PCS
D406	093C 6021P52T	PS156R	1.000	PCS
D407	093C 6021P52T	PS156R	1.000	PCS
D910	093C 6021P52T	PS156R	1.000	PCS
D474	093C 6026W52T	FR107	1.000	PCS
D470	093C 6026W52T	FR107	1.000	PCS
D421	093C 6026W52T	FR107	1.000	PCS
D706	093C 6044T52T	RECTIFIER DIODE FR157S	1.000	PCS
D105	093C 64 1152T	IN4148	1.000	PCS
D400	093C 64 1152T	IN4148	1.000	PCS
ZD100	093C 64 1152T	IN4148	1.000	PCS
R726	093C 64 1152T	IN4148	1.000	PCS
D939	093C 64 1152T	IN4148	1.000	PCS
D926	093C 64 1152T	IN4148	1.000	PCS
D402	093C 64 1152T	IN4148	1.000	PCS
D411	093C 64 1152T	IN4148	1.000	PCS
D420	093C 64 1152T	IN4148	1.000	PCS
D450	093C 64 1152T	IN4148	1.000	PCS
D602	093C 64 1152T	IN4148	1.000	PCS
D603	093C 64 1152T	IN4148	1.000	PCS
D912	093C 64 1152T	IN4148	1.000	PCS
D916	093C 64 1152T	IN4148	1.000	PCS
D104	093C 64 1152T	IN4148	1.000	PCS

D102	093C 64 1152T	IN4148	1.000	PCS
D100	093C 64 1152T	IN4148	1.000	PCS
FB401	093C1002 1F52T	1N5817	1.000	PCS
D405	093C1002 1F52T	1N5817	1.000	PCS
D103	093C1002 1W52T	1N5817	1.000	PCS
D101	093C1002 1W52T	1N5817	1.000	PCS
D740	093C1040 252T	UF4004	1.000	PCS
D403	093C1040 252T	UF4004	1.000	PCS
D404	093C1040 252T	UF4004	1.000	PCS
D929	093C1040 252T	UF4004	1.000	PCS
D923	093C2020 552T	ER202	1.000	PCS
R618	095C 90 23	JUMPER	1.000	PCS
J082	095C 90 23	JUMPER	1.000	PCS
Q913	057C 419 PP T	2PC945	1.000	PCS
Q910	057C 419 PP T	2PC945	1.000	PCS
Q912	057C 419 PP T	2PC945	1.000	PCS
Q903	057C 419 PP T	2PC945	1.000	PCS
Q908	057C 419 PP T	2PC945	1.000	PCS
Q920	057C 420 PP T	2PA733P PHILIPS PNP TRANSISTOR	1.000	PCS
Q905	057C 420 PP T	2PA733P PHILIPS PNP TRANSISTOR	1.000	PCS
Q405	057C 420 PP T	2PA733P PHILIPS PNP TRANSISTOR	1.000	PCS
Q404	057C 420 PP T	2PA733P PHILIPS PNP TRANSISTOR	1.000	PCS
Q902	057C 446501 T	2SC2120-Y	1.000	PCS
Q904	057C 446501 T	2SC2120-Y	1.000	PCS
Q705	057C 498 1 T	BF423	1.000	PCS
Q402	057C 530503 T	2SD1207T	1.000	PCS
Q742	057C 708 1 T	2SC4002E	1.000	PCS
C946	063C212J1042AT	MPE 0.1UF/250V +-5%	1.000	PCS
C463	064C 44J1031AT	.01UF +-5% 100V	1.000	PCS
C943	064C 44J1521AT	1500PF/100V	1.000	PCS
C914	064C 44J2231AT	22NF 100V	1.000	PCS
C415	064C 44J4721AT	4700PF 100V PEI	1.000	PCS
C101	064C176J104 1T	0.1UF 5% 100V	1.000	PCS
C460	064C176J473 1T	0.047UF 100V	1.000	PCS
C423	064C176J823 1T	.082UF +-5% 100V	1.000	PCS
C607	064C178J103 1T	CL21X 0.01UF 100V +-5%	1.000	PCS
C435	064C178J103 1T	CL21X 0.01UF 100V +-5%	1.000	PCS
C945	064C178J104 0T	CL21X0.1UF 63V +-5%	1.000	PCS
C610	064C178J104 0T	CL21X0.1UF 63V +-5%	1.000	PCS
C119	064C178J104 0T	CL21X0.1UF 63V +-5%	1.000	PCS
C118	064C178J104 0T	CL21X0.1UF 63V +-5%	1.000	PCS
C424	064C178J104 1T	C121X 0.1UF 100V +-5%	1.000	PCS
C413	064C178J104 1T	C121X 0.1UF 100V +-5%	1.000	PCS
C411	064C178J104 1T	C121X 0.1UF 100V +-5%	1.000	PCS
C921	064C178J104 1T	C121X 0.1UF 100V +-5%	1.000	PCS
C403	064C178J104 1T	C121X 0.1UF 100V +-5%	1.000	PCS
C470	064C178J104 1T	C121X 0.1UF 100V +-5%	1.000	PCS
C601	064C178J152 1T	1500PF 100V +-5%	1.000	PCS

C410	064C178J154 1T	C121X 0.15UF 100V +-5%	1.000	PCS
C417	064C178J224 1T	C121X 0.22UF 100V +-5%	1.000	PCS
C703	064C178J472 1T	4700PF 100V	1.000	PCS
C449	064C178J473 1T	0.047UF	1.000	PCS
C710	064C178J473 2T	C121X 0.047UF 250V +-5%	1.000	PCS
C611	064C178J474 0T	CL21X. 0.47UF 63V +-5%	1.000	PCS
C414	064C178J474 1T	C121X 0.47UF 100V +-5%	1.000	PCS
C608	064C178J474 1T	C121X 0.47UF 100V +-5%	1.000	PCS
C447	064C178J822 1T	CL21X 8200PF 100V +-5%	1.000	PCS
C409	064C700J1020AT	PEN 0.001UF/50V +-5%	1.000	PCS
C613	064C701J1540AT	0.15UF 50V +-5%	1.000	PCS
C934	065C 1K101 5T6921	100PF/1KV Y5P+-10%	1.000	PCS
C720	065C 1K102 5T6921	1NF/1KV Y5P+-10%	1.000	PCS
C480	065C 1K470 5T6052	47P/1KV	1.000	PCS
C923	065C 1K820 5T6921	CAP C 82P 10% 1KV Y5P	1.000	PCS
C740	065C 2K102 5T6921	1000PF/2KV	1.000	PCS
C916	065C 2K271 5T6921	270PF 2KV	1.000	PCS
C488	065C 2K820 5T6921	82PF/2KV Y5P+-10%	1.000	PCS
C116	065C 44210113T6213	100PF +-5% NPO 50V	1.000	PCS
C614	065C 44210113T6213	100PF +-5% NPO 50V	1.000	PCS
C446	065C 44210113T6213	100PF +-5% NPO 50V	1.000	PCS
C117	065C 44210113T6213	100PF +-5% NPO 50V	1.000	PCS
C412	065C 44215113T6213	150PF +-5% NPO 50V	1.000	PCS
C107	065C 44222013T	22PF +-5% NPO 50V	1.000	PCS
C108	065C 44222013T	22PF +-5% NPO 50V	1.000	PCS
C131	065C 44233013T	33PF +-5% NPO 50V	1.000	PCS
C105	065C 444101 5T	100 PF 10% 50V Y5P	1.000	PCS
C106	065C 444101 5T	100 PF 10% 50V Y5P	1.000	PCS
C130	065C 444102 5T	1000 PF 10% 50V Y5P	1.000	PCS
C604	065C 44422213T6213	2200PF +-10% Z5P 50V	1.000	PCS
C741	065C 444331 5T	330PF 10% 50V	1.000	PCS
C922	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C941	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C111	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C112	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C103	065C 450104 7T	0.1UF +80-20% 50V Y5V	1.000	PCS
C109	065C 450104 7T	0.1UF +80-20% 50V Y5V	1.000	PCS
C406	065C 450104 7T	0.1UF +80-20% 50V Y5V	1.000	PCS
C444	065C 450104 7T	0.1UF +80-20% 50V Y5V	1.000	PCS
C908	065C 450104 7T	0.1UF +80-20% 50V Y5V	1.000	PCS
C421	065C517K102 2T6213	1000PF 10% Z5P 500V	1.000	PCS
C944	067C 305100 7T	10UF +-20% 50V	1.000	PCS
C910	067C 305220 7T	22UF +-20% 50V	1.000	PCS
C483	067C 305221 3T	220UF +-20% 16V	1.000	PCS
C603	067C 305471 3T6366	470UF +-20% 16V	1.000	PCS
C939	067C 305471 3T6366	470UF +-20% 16V	1.000	PCS
C605	067C 305471 3T6371	470UF +-20% 16V	1.000	PCS
C404	067C 305479 7T	4.7UF +-20% 50V	1.000	PCS

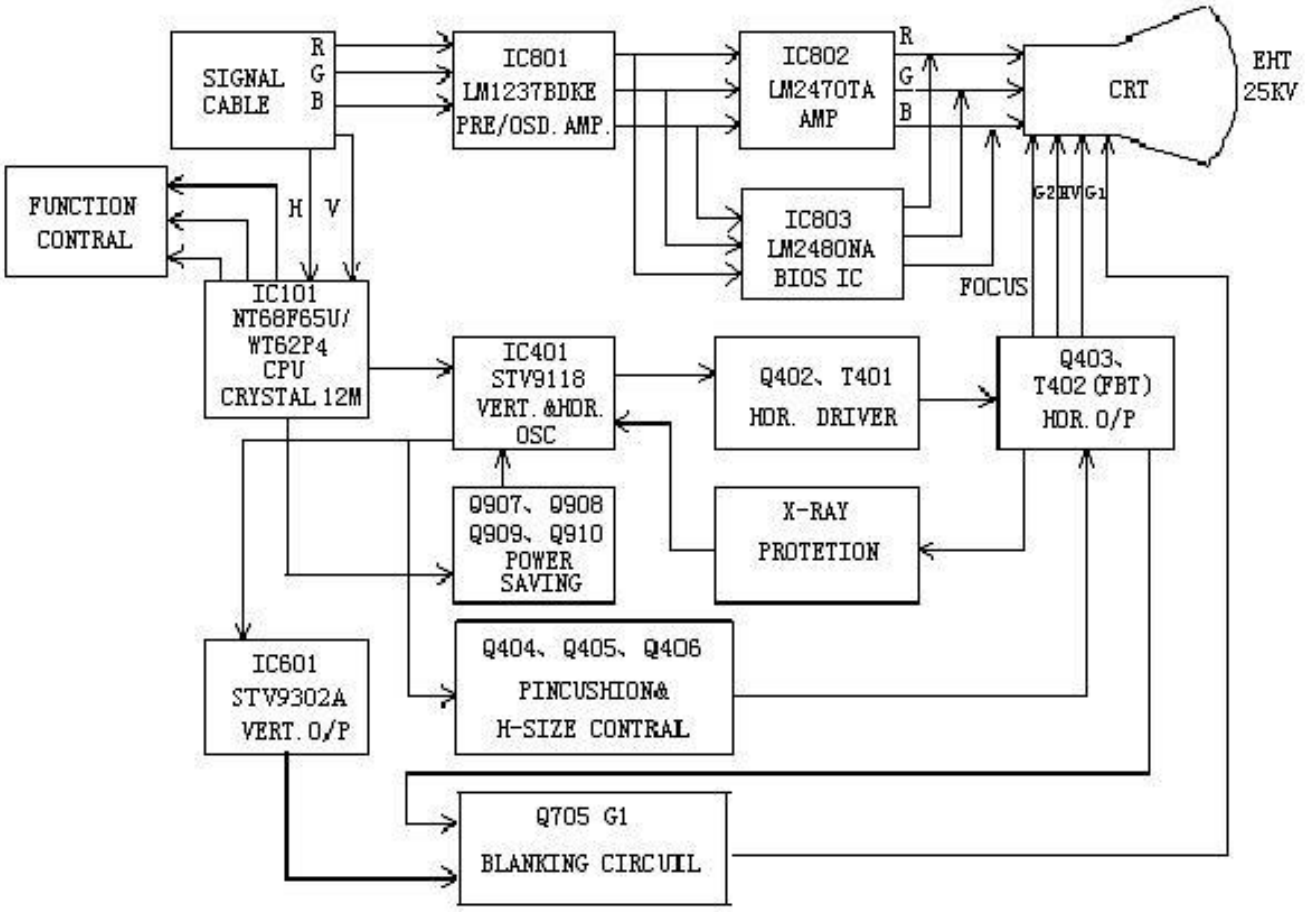
C743	067C 309100 7T	10UF +-20% 50V	1.000	PCS
C113	067C 309101 3T	100UF +-20% 16V	1.000	PCS
C104	067C 309101 3T	100UF +-20% 16V	1.000	PCS
C436	067C 309220 7T	22UF +-20% 50V	1.000	PCS
C115	067C 309330 3T	33UF +-20% 16V	1.000	PCS
C443	067C 309470 3T	47UF +-20% 16V	1.000	PCS
C146	067C 309470 3T	47UF +-20% 16V	1.000	PCS
C100	067C 309470 3T	47UF +-20% 16V	1.000	PCS
C947	067C 309470 7T	47UF +-20% 50V	1.000	PCS
C609	067C 309470 7T	47UF +-20% 50V	1.000	PCS
C937	067C 309471 3T	470UF +-20% 16V	1.000	PCS
C437	067C 309479 7T	4.7UF +-20% 50V	1.000	PCS
C434	067C 309479 7T	4.7UF +-20% 50V	1.000	PCS
FB403	071C 55 19 T	FERRITE BEAD 9X3.5X0.8	1.000	PCS
	006C 31501	BRASS	2.000	PCS
D701	093C 64 1152T	IN4148	1.000	PCS
J052	071C 55 19 T	FERRITE BEAD 9X3.5X0.8	1.000	PCS
G2	009C 203 8	BRASS PIN	1.000	PCS
P801	033C3278 6D	WAFER	1.000	PCS
P802	033C327814D	WAFER& PLUG	1.000	PCS
	040C 45762412B	LABEL	1.000	PCS
FB804	053A 40 8	EMI FILTER	1.000	PCS
FB803	053A 40 8	EMI FILTER	1.000	PCS
FB802	053A 40 8	EMI FILTER	1.000	PCS
IC801	056C 366515	LM1237BDKE	1.000	PCS
IC803	056C 539 6	LM2480NA/NOPB	1.000	PCS
R879	061A212Y10152T	100 OHM 1/2W	1.000	PCS
C839	065C 1K101 5T6921	100PF/1KV Y5P+-10%	1.000	PCS
C825	065C 1M103 3A6921	0.01UF 1K Z5U	1.000	PCS
C828	065C 2M103 3A6921	10000PF 2KV	1.000	PCS
C874	065C 2M1033FB6921	10000PF -20%~+18% 2KV	1.000	PCS
C877	065C 44210113T	100PF +-5% NPO 50V	1.000	PCS
C829	067C 305470 9	47UF +-20% 100V	1.000	PCS
RF879	071C 55 2 A	FERRITE BEAD 3*5*1.5	1.000	PCS
FB809	071C 5519R	FERRITE BEAD 9X3.5X0.8	1.000	PCS
E087	087C3504 ZW	CRT COCKET(QQ FOCUS)	1.000	PCS
	090C6113 5	HEAT SINK FOR IC801	1.000	PCS
	705A774BR5601C	IC802 ASS'Y	1.000	PCS
	ARS774B2NHPQ	CRT BOARD	1.000	PCS
L805	071C 55506 H1	BEAD OF SIX PIN	1.000	PCS
	750C5W522AV	CPT 17" CV PI+TCO CRT	1.000	PCS
R607	061C 208109 64	MOFR 1 OHM +-5% 1W	1.000	PCS
C425	063C210J2743CC	0.27UF +-5% 400V	1.000	PCS
C450	065C 1K151 5T6052	150PF/1KV	1.000	PCS
TP404	095C201M 50162	16" PULSE	1.000	PCS
	002C6003 1	SCREW NUT	1.000	PCS
IC802	056C 551524	LM2470TA/NOPB	1.000	PCS
	090C6026 11	HEAT SINK	1.000	PCS

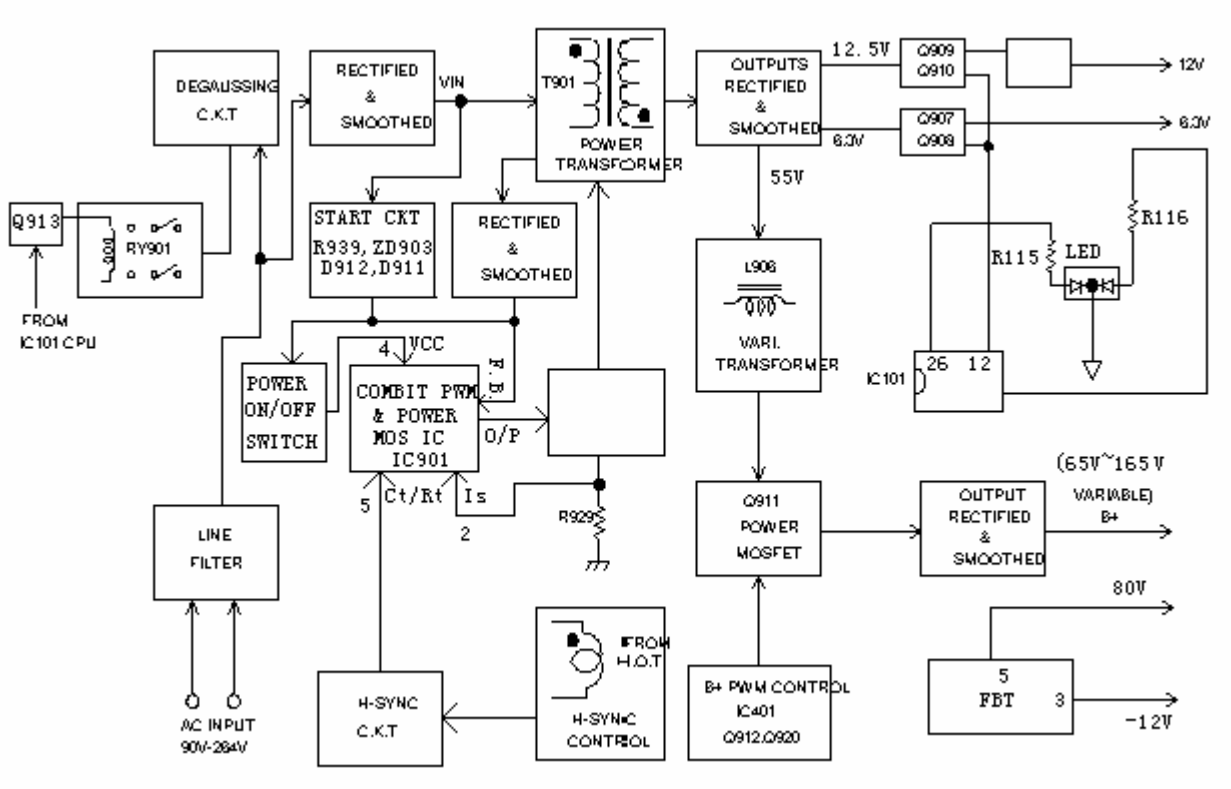
	0M1C1730 7128	SCREW	1.000	PCS
	006C 31 4	BRASS	3.000	PCS
	715C 992 4HPQ	PCB	1.000	PCS
J802	095C 90 23	JUMPER	1.000	PCS
J803	095C 90 23	JUMPER	1.000	PCS
J804	095C 90 23	JUMPER	1.000	PCS
J807	095C 90 23	JUMPER	1.000	PCS
J810	095C 90 23	JUMPER	1.000	PCS
J811	095C 90 23	JUMPER	1.000	PCS
J815	095C 90 23	JUMPER	1.000	PCS
J817	095C 90 23	JUMPER	1.000	PCS
J818	095C 90 23	JUMPER	1.000	PCS
J819	095C 90 23	JUMPER	1.000	PCS
J820	095C 90 23	JUMPER	1.000	PCS
R832	095C 90 23	JUMPER	1.000	PCS
R848	095C 90 23	JUMPER	1.000	PCS
R860	095C 90 23	JUMPER	1.000	PCS
R861	095C 90 23	JUMPER	1.000	PCS
R862	095C 90 23	JUMPER	1.000	PCS
J801	095C 90 23	JUMPER	1.000	PCS
FB808	095C 90 23	JUMPER	1.000	PCS
C815	095C 90 23	JUMPER	1.000	PCS
R880	061A212Y56452T	560K OHM 1/2W	1.000	PCS
R859	061C 17210552T	CFR 1MOHM +-5% 1/4W	1.000	PCS
R858	061C 17210552T	CFR 1MOHM +-5% 1/4W	1.000	PCS
R857	061C 17210552T	CFR 1MOHM +-5% 1/4W	1.000	PCS
FB805	061C 17222152T	CFR 220OHM+-5% 1/4W	1.000	PCS
L803	061C 17247052T	CFR 47 OHM +-5% 1/4W	1.000	PCS
L802	061C 17247052T	CFR 47 OHM +-5% 1/4W	1.000	PCS
L801	061C 17247052T	CFR 47 OHM +-5% 1/4W	1.000	PCS
R856	061C 17251052T	CFR 51OHM +-5% 1/4W	1.000	PCS
R855	061C 17251052T	CFR 51OHM +-5% 1/4W	1.000	PCS
R854	061C 17251052T	CFR 51OHM +-5% 1/4W	1.000	PCS
R815	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R814	061C 60210152T	CFR 100 OHM+-5% 1/6W	1.000	PCS
R825	061C 60210252T	CFR 1K OHM+-5% 1/6W	1.000	PCS
R824	061C 60210252T	CFR 1K OHM+-5% 1/6W	1.000	PCS
R823	061C 60210252T	CFR 1K OHM+-5% 1/6W	1.000	PCS
R818	061C 60210252T	CFR 1K OHM+-5% 1/6W	1.000	PCS
R835	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R826	061C 60210352T	CFR 10K OHM+-5% 1/6W	1.000	PCS
R821	061C 60222252T	CFR 2.2K OHM +-5% 1/6W	1.000	PCS
R804	061C 60233052T	CFR 33 OHM +-5% 1/6W	1.000	PCS
R805	061C 60233052T	CFR 33 OHM +-5% 1/6W	1.000	PCS
R806	061C 60233052T	CFR 33 OHM +-5% 1/6W	1.000	PCS
R830	061C 60239252T	CFR 3.9K OHM+-5% 1/6W	1.000	PCS
R827	061C 60247252T	CFR 4.7K OHM+-5% 1/6W	1.000	PCS
R820	061C 60262252T	CFR 6.2K OHM +-5% 1/6W	1.000	PCS

R801	061C 60275052T	CFR 75 OHM+-5% 1/6W	1.000	PCS
R802	061C 60275052T	CFR 75 OHM+-5% 1/6W	1.000	PCS
R803	061C 60275052T	CFR 75 OHM+-5% 1/6W	1.000	PCS
R874	061C175L56052T	CFR 56 OHM +-5% 1/2W	1.000	PCS
R872	061C175L56052T	CFR 56 OHM +-5% 1/2W	1.000	PCS
R873	061C175L56052T	CFR 56 OHM +-5% 1/2W	1.000	PCS
FB801	071C 55 9 T	CORE RF BEAD RH 3.5X6X0.76TP	1.000	PCS
FB852	071C 55 19 T	FERRITE BEAD 9X3.5X0.8	1.000	PCS
FB850	071C 55 19 T	FERRITE BEAD 9X3.5X0.8	1.000	PCS
L804	071C 55 19 T	FERRITE BEAD 9X3.5X0.8	1.000	PCS
L852	073C 5447810T	0.47UH +-10% peaking coil	1.000	PCS
L850	073C 5447810T	0.47UH +-10% peaking coil	1.000	PCS
L851	073C 5447810T	0.47UH +-10% peaking coil	1.000	PCS
D863	093C 6021P52T	PS156R	1.000	PCS
D806	093C 64 1152T	IN4148	1.000	PCS
D805	093C 64 1152T	IN4148	1.000	PCS
D804	093C 64 1152T	IN4148	1.000	PCS
D803	093C 64 1152T	IN4148	1.000	PCS
D802	093C 64 1152T	IN4148	1.000	PCS
D801	093C 64 1152T	IN4148	1.000	PCS
D858	093C 6431P52T	BAV20	1.000	PCS
D857	093C 6431P52T	BAV20	1.000	PCS
D856	093C 6431P52T	BAV20	1.000	PCS
D851	093C 6450152T	SWITCHING DIODE BAV21	1.000	PCS
D850	093C 6450152T	SWITCHING DIODE BAV21	1.000	PCS
D853	093C 6450152T	SWITCHING DIODE BAV21	1.000	PCS
D854	093C 6450152T	SWITCHING DIODE BAV21	1.000	PCS
D852	093C 6450152T	SWITCHING DIODE BAV21	1.000	PCS
D855	093C 6450152T	SWITCHING DIODE BAV21	1.000	PCS
C803	064C178J104 0T	CL21X0.1UF 63V +-5%	1.000	PCS
C802	064C178J104 0T	CL21X0.1UF 63V +-5%	1.000	PCS
C801	064C178J104 0T	CL21X0.1UF 63V +-5%	1.000	PCS
C811	064C700J3330AT	0.033UF 63V +-5%	1.000	PCS
C848	065C 1K101 5T6921	100PF/1KV Y5P+-10%	1.000	PCS
C830	065C 1K101 5T6921	100PF/1KV Y5P+-10%	1.000	PCS
C808	065C 44210013T	10PF +-5% NPO 50V	1.000	PCS
C813	065C 44210113T	100PF +-5% NPO 50V	1.000	PCS
C876	065C 44210113T	100PF +-5% NPO 50V	1.000	PCS
C836	065C 44212013T	12PF J NPO 50V	1.000	PCS
C837	065C 44212013T	12PF J NPO 50V	1.000	PCS
C838	065C 44212013T	12PF J NPO 50V	1.000	PCS
C817	065C 44215013T	15PF 5% AUTO INSERT	1.000	PCS
C818	065C 44215013T	15PF 5% AUTO INSERT	1.000	PCS
C819	065C 44215013T	15PF 5% AUTO INSERT	1.000	PCS
C835	065C 444152 5T	1500PF 10% Y5P 50V	1.000	PCS
C804	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C821	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C823	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS

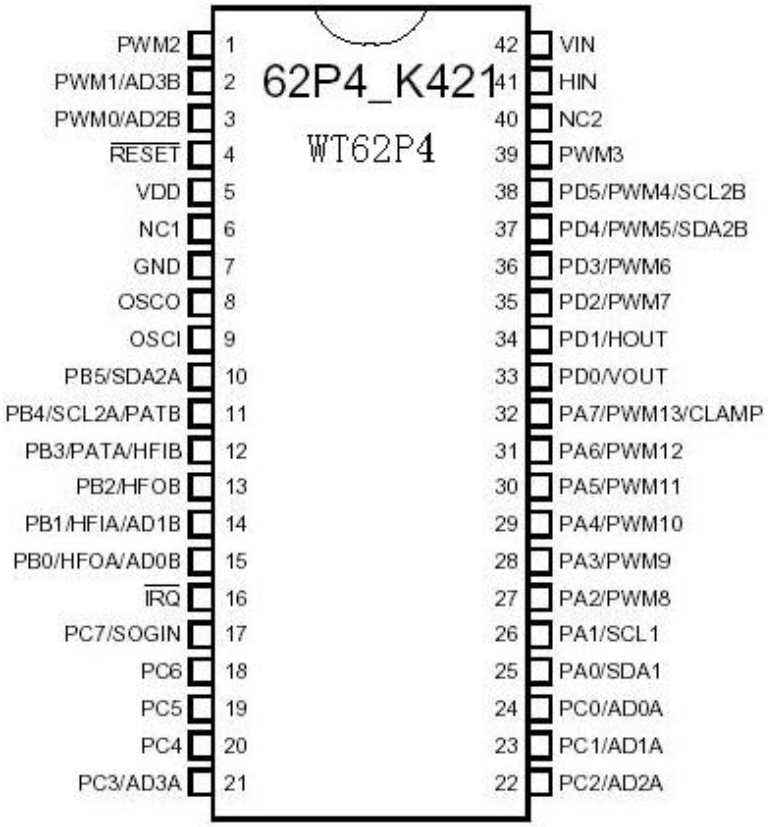
C824	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C875	065C 4501047TV	0.1UF +80-20% 50V	1.000	PCS
C833	065C 4501047TV	0.1UF +80-20% 50V	1.000	PCS
C860	065C251K104 2T	0.1UF 250V	1.000	PCS
C858	065C251K104 2T	0.1UF 250V	1.000	PCS
C857	065C251K104 2T	0.1UF 250V	1.000	PCS
C856	065C251K104 2T	0.1UF 250V	1.000	PCS
C834	065C251K104 2T	0.1UF 250V	1.000	PCS
C873	065C517K102 2T6213	1000PF 10% Z5P 500V	1.000	PCS
C867	067C 70109 9T	1UF +-20% 100V	1.000	PCS
C864	067C 70109 9T	1UF +-20% 100V	1.000	PCS
C855	067C 70109 9T	1UF +-20% 100V	1.000	PCS
C854	067C 70109 9T	1UF +-20% 100V	1.000	PCS
C853	067C 70109 9T	1UF +-20% 100V	1.000	PCS
C840	067C 70109 9T	1UF +-20% 100V	1.000	PCS
C810	067C 305470 7T	47UF +-20% 50V	1.000	PCS
C805	067C 309101 3T	100UF +-20% 16V	1.000	PCS
C871	067C 309101 3T	100UF +-20% 16V	1.000	PCS
C806	067C 309109 7T	1.0UF +-20% 50V	1.000	PCS
C832	067C 309109 9T	1UF +-20% 100V	1.000	PCS
C870	067C 309220 9T	22UF +-20% 100V	1.000	PCS
C809	067C 309339 7T	3.3UF +-20% 50V	1.000	PCS
C826	067C 309470 7T	47UF +-20% 50V	1.000	PCS
J821	095C 90 23	JUMPER	1.000	PCS
C831	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C841	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C842	065C 450104 3T	0.1UF 50V Y5V	1.000	PCS
C879	065C 1K102 5T6921	1NF/1KV Y5P+-10%	1.000	PCS

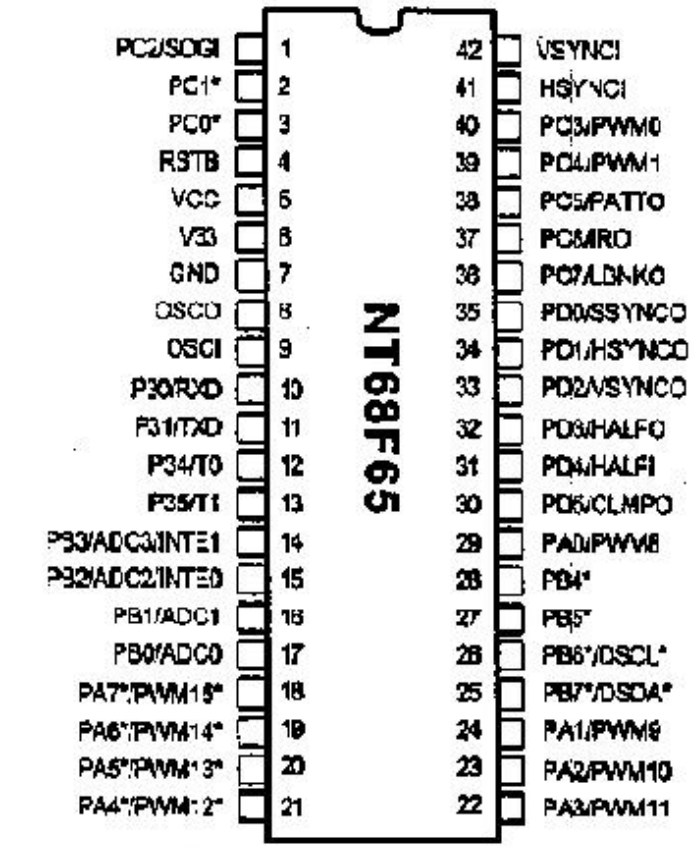
9. Block Diagram



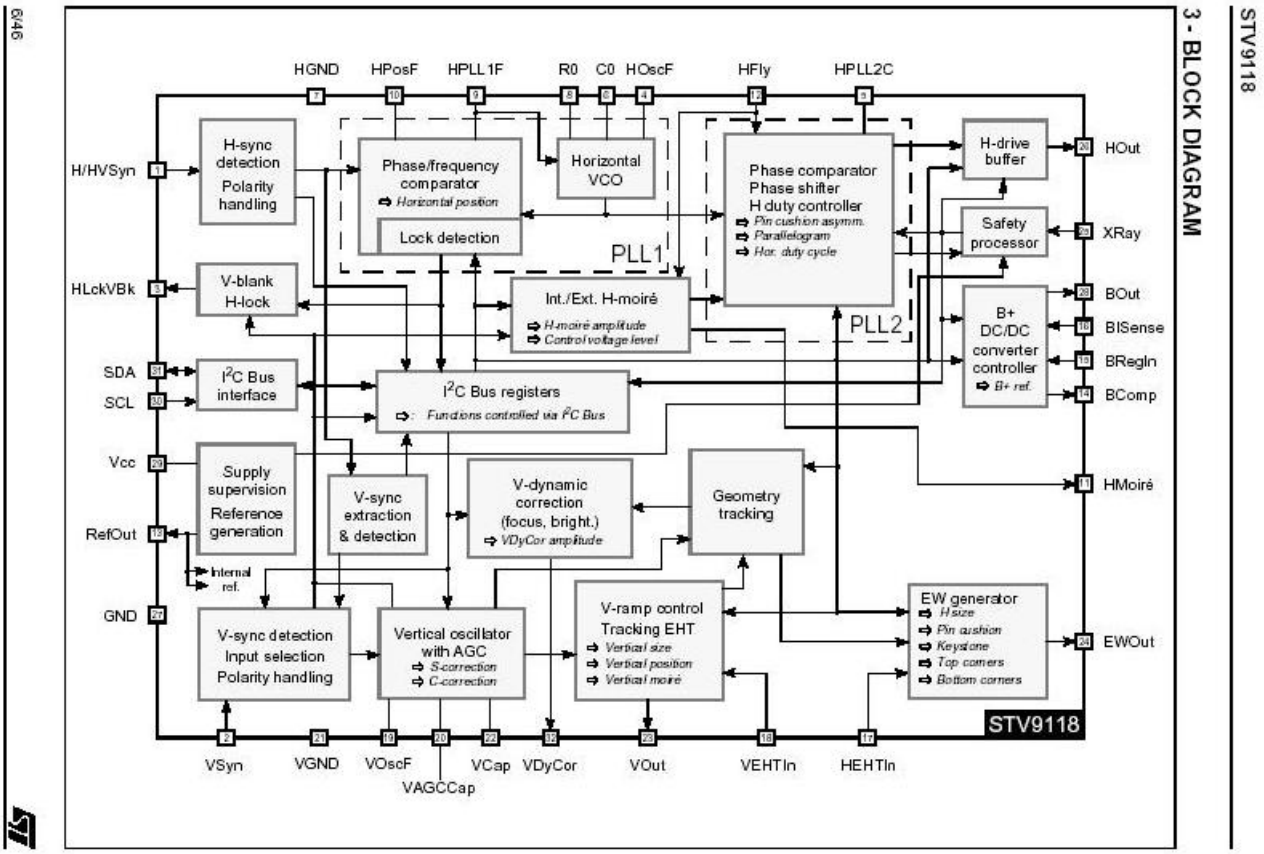

DEGAUSSING C.K.T
RECTIFIED & SMOOTHED
VIN
T901
POWER TRANSFORMER
OUTPUTS RECTIFIED & SMOOTHED
12.5V
Q909 Q910
12V
Q907 Q908
6.3V
55V
Q913
RY901
FROM IC101 CPU
START CKT R939, ZD903 D912, D911
RECTIFIED & SMOOTHED
L906
VARI. TRANSFORMER
R115
LED
R116
IC101
26 12
4 VCC
POWER ON/OFF SWITCH
COMBIT PWM & POWER MOS IC IC901
O/P
5 Ct/Rt
Is 2
R929
LINE FILTER
AC INPUT 90V-264V
H-SYNC C.K.T
FROM H.O.T
H-SYNC CONTROL
Q911 POWER MOSFET
B+ PWM CONTROL IC401 Q912,Q920
OUTPUT RECTIFIED & SMOOTHED
(65V~165V VARIABLE) B+
80V
5 FBT 3
-12V

10. IC Block Diagram





IC401 STV9118



IC803 LM2480NA

Block Diagrams

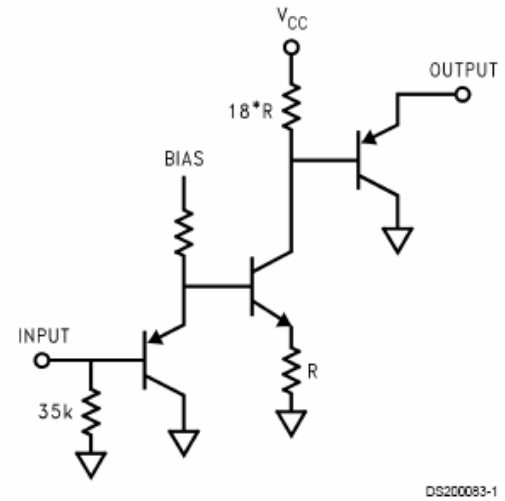


FIGURE 1. Simplified Schematic (One Channel)

Package Pinout

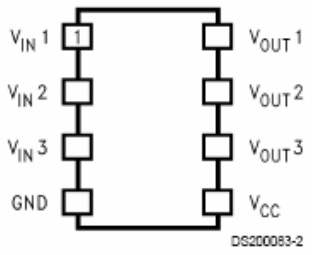
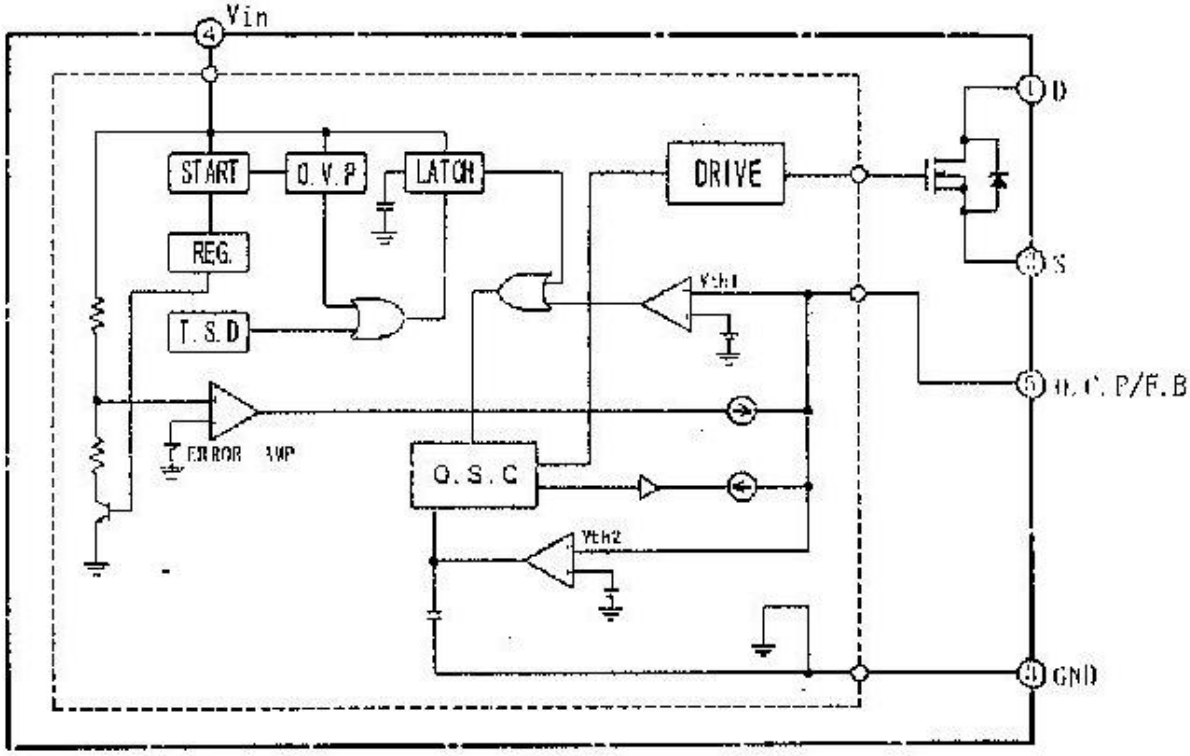
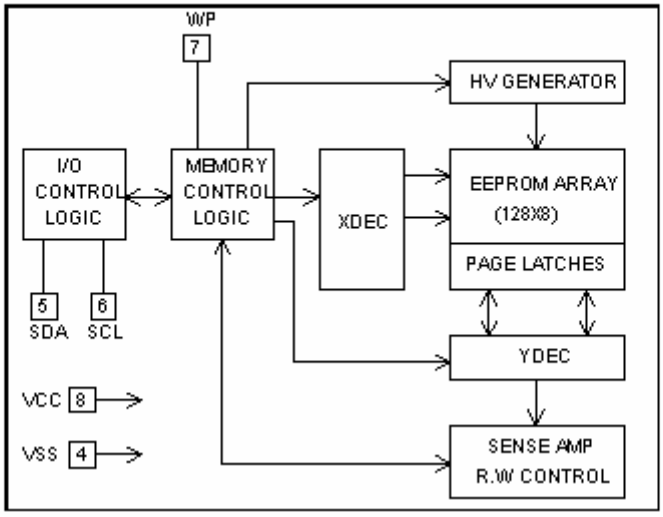


FIGURE 2. LM2480 Package Pinout
Order Number LM2480NA
NS Package Number: N08E

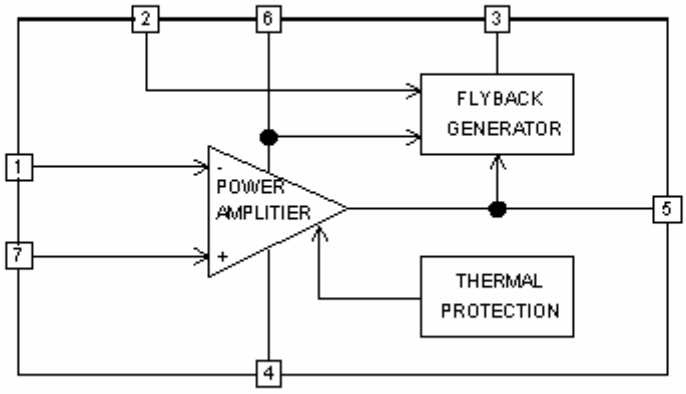
IC901 STR-5643



IC102 M24C08



IC601 STV9302A



IC801 LM1237BDKE

Block and Connection Diagram

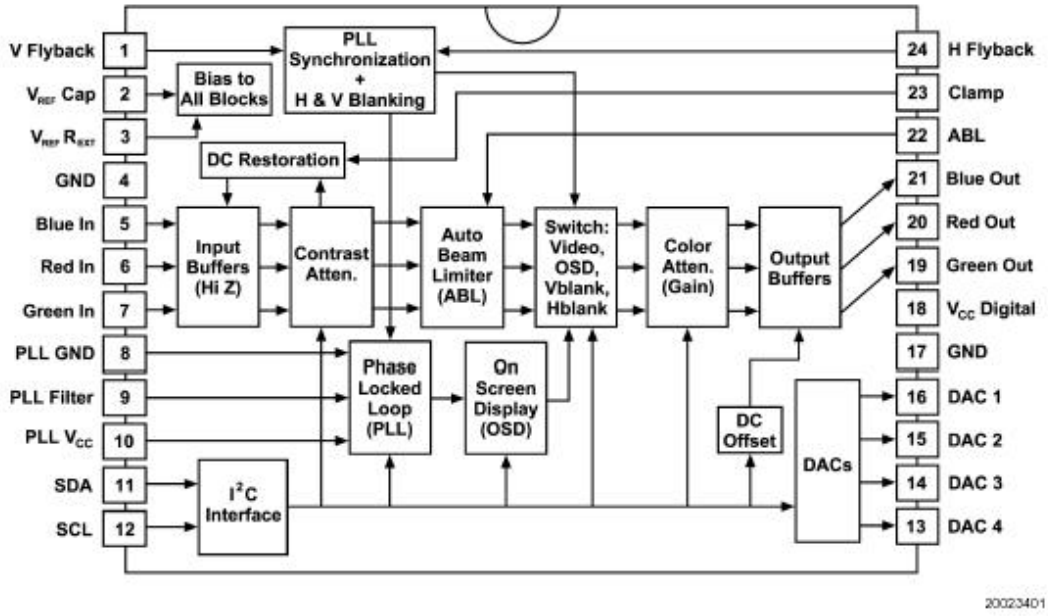


FIGURE 1. Order Number LM1237AAE/NA
See NS Package Number N24D

IC802 LM2470TA

Schematic Diagram

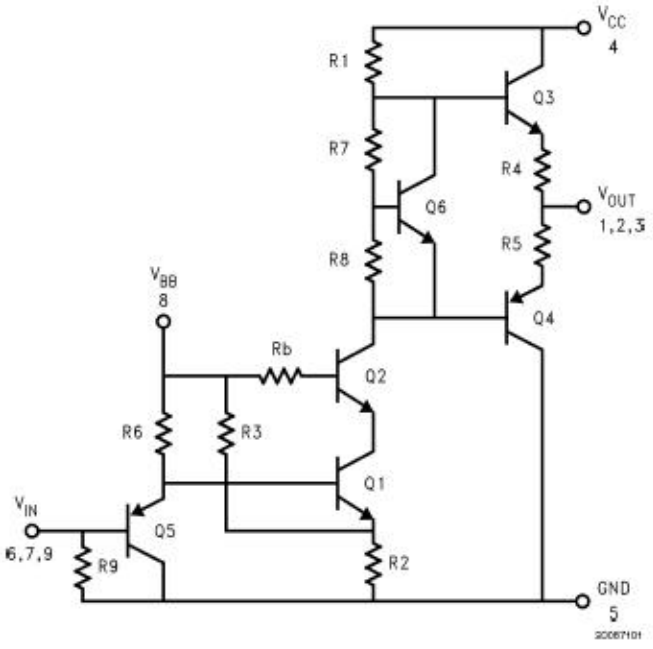
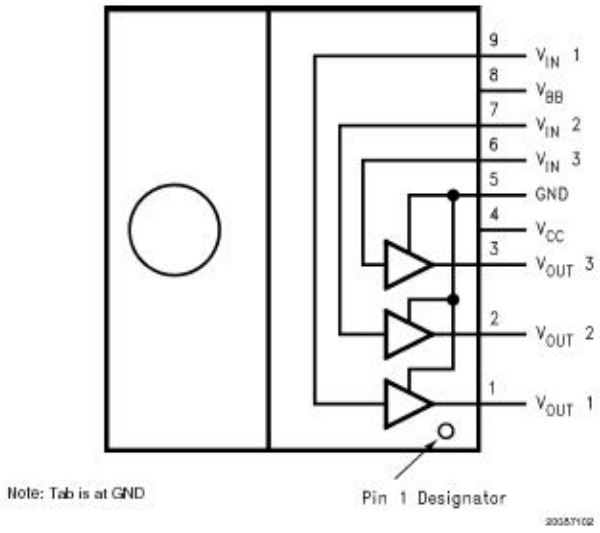


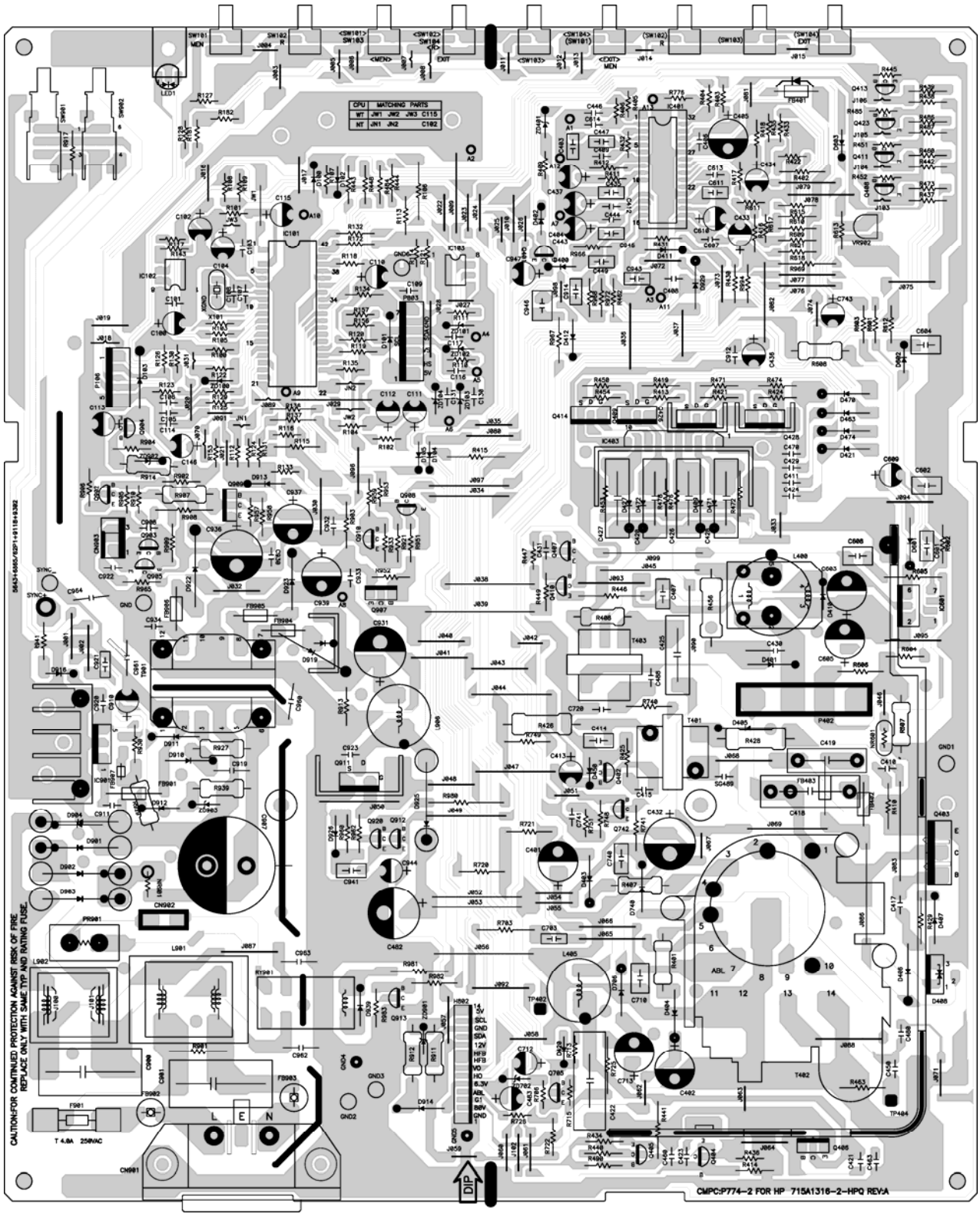
FIGURE 1. Simplified Schematic Diagram
(One Channel)

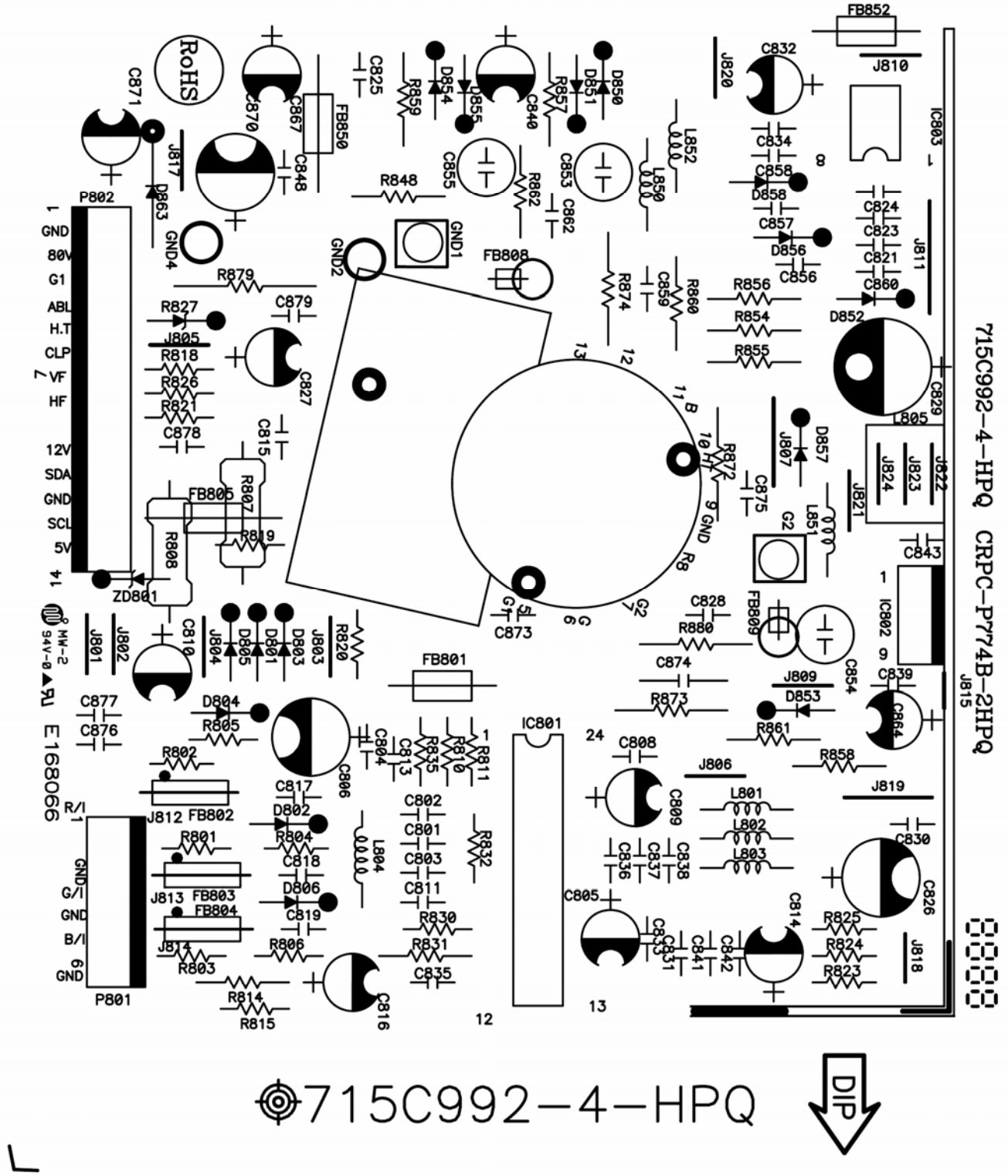
Connection Diagram



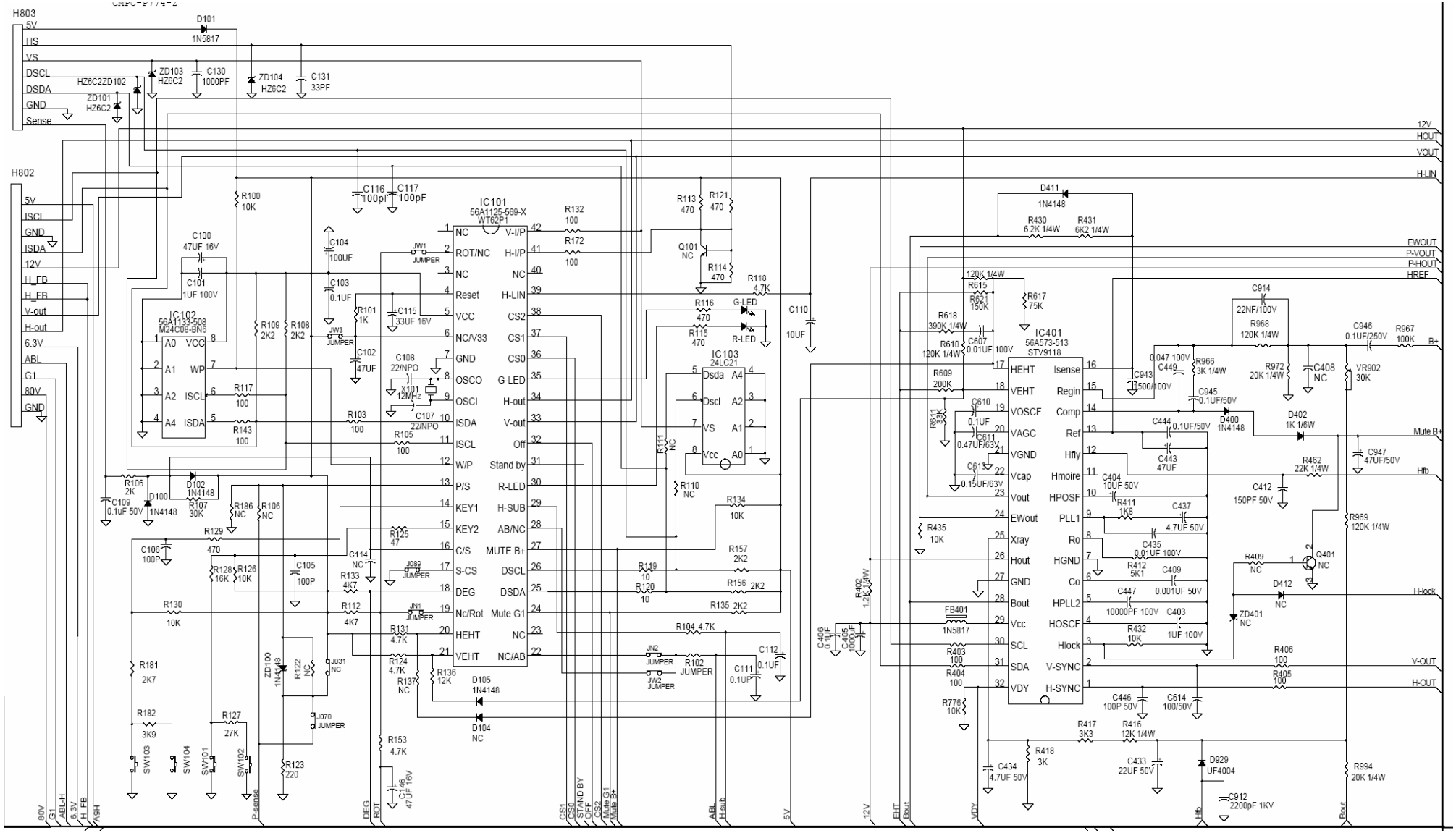
Top View
Order Number LM2470TA

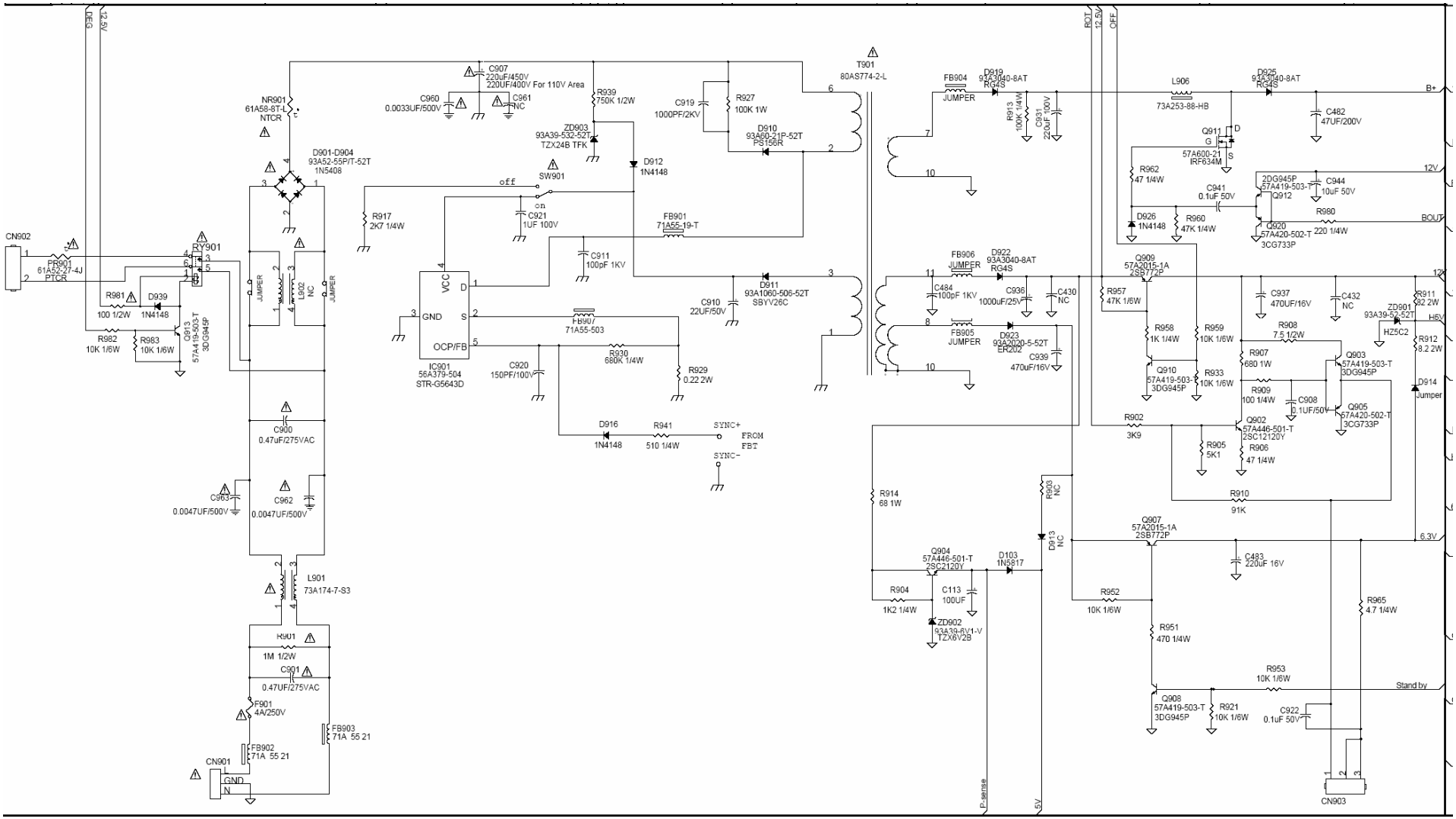
11. PCB Layout




715C992-4-HPQ CRPC-P774B-2HPQ
715C992-4-HPQ
DIP
P802
P801
IC801
IC802
IC803
ZD801
FB801
FB802
FB803
FB804
FB805
FB808
FB809
FB850
FB852
GND
80V
G1
ABL
H.T
CLP
VF
HF
12V
SDA
SCL
5V
R/I
G/I
B/I
E168066

12. SCHEMATIC DIAGRA



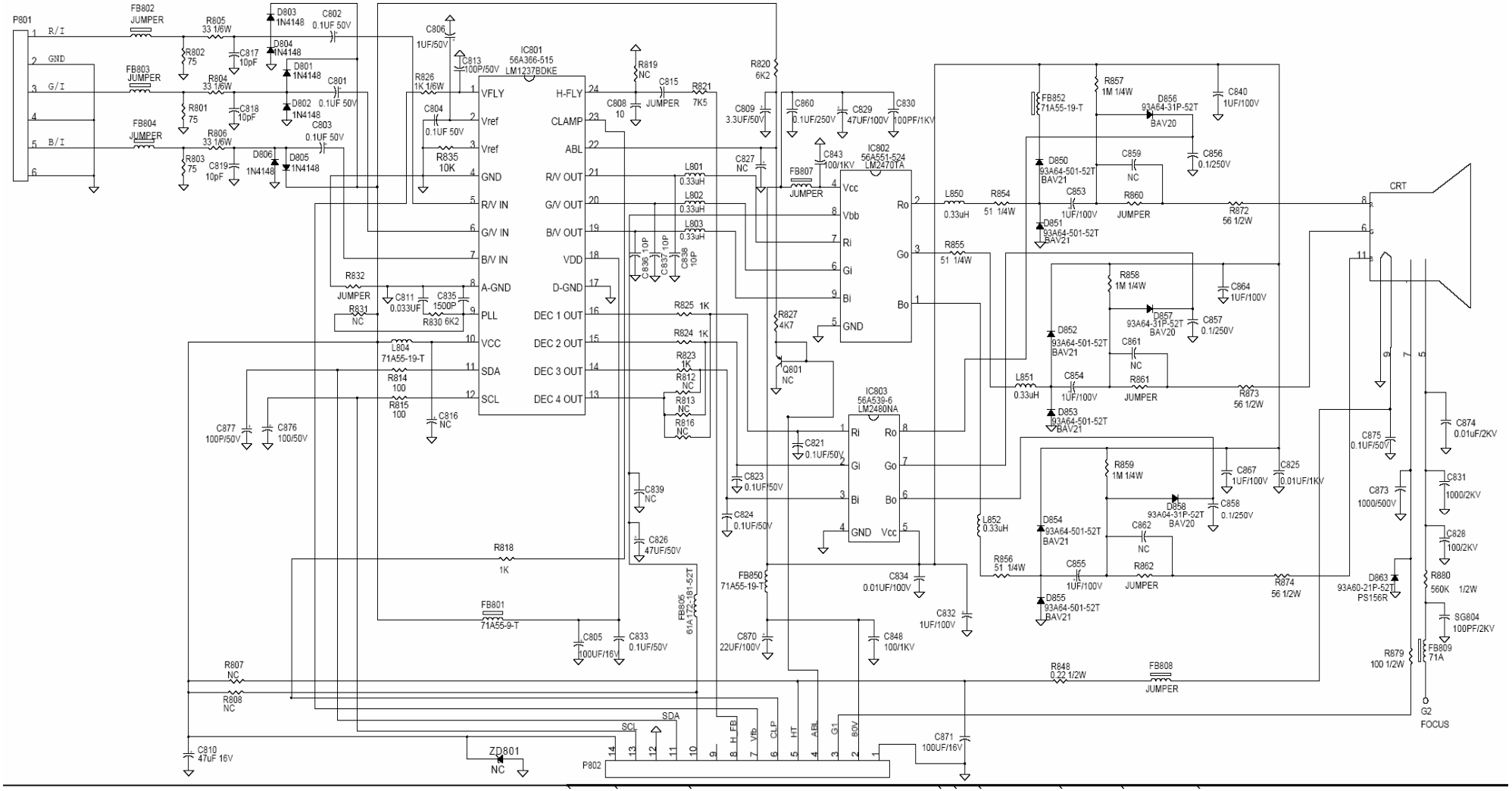


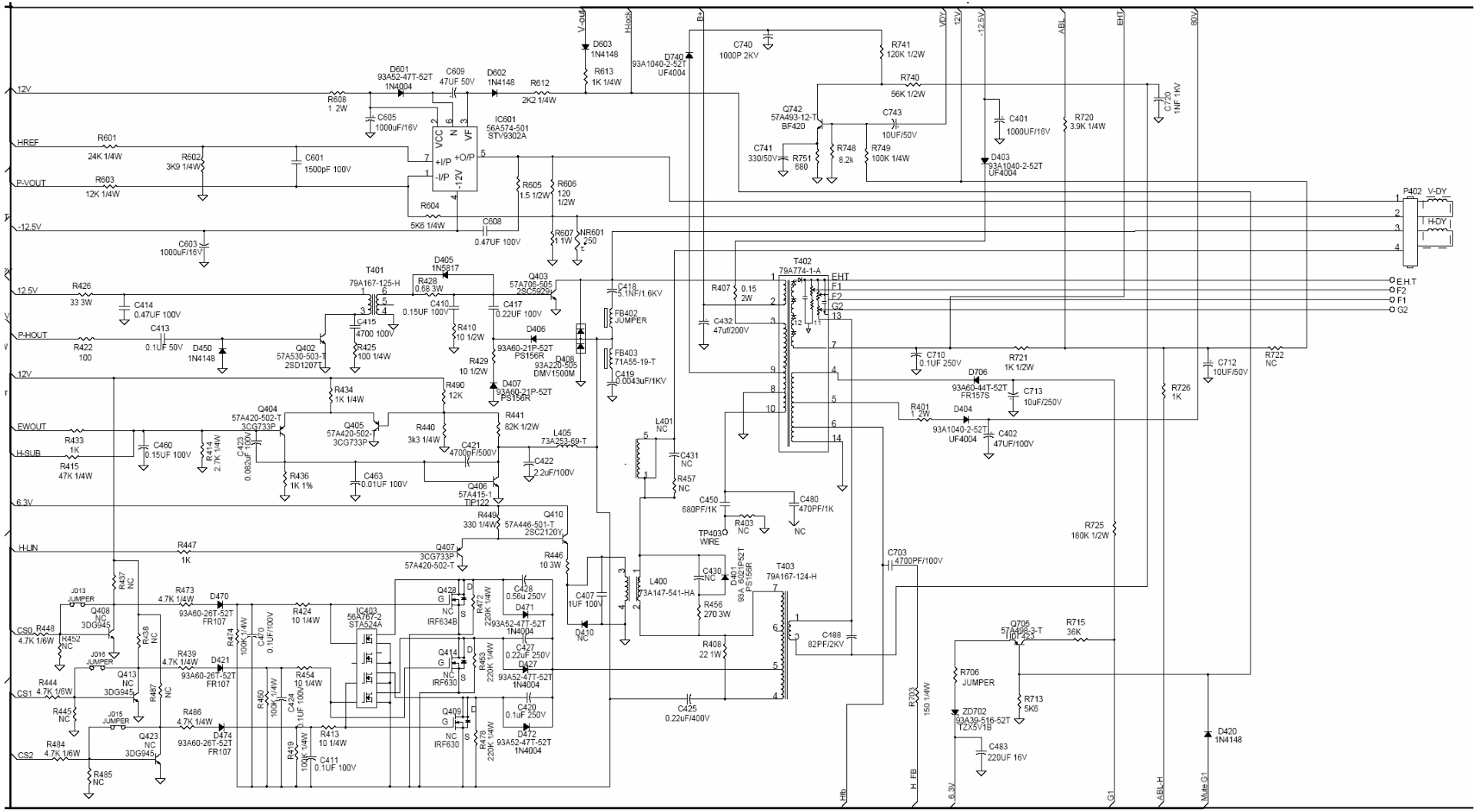
NOTES:

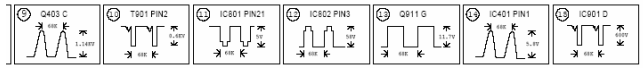
This schematic,We cannot guarantee the accuracy of this information, after the date of publication and disclaims liability for changes, errors or ommissions.

CPU Pin Remark	CPU Pin Remark	Pin 17
56A1125-569-X WT OTP CPU	56A1125-577 WT MASK CPU	CS out select
56A1125-166-X NT OTP CPU	56A1125-NT MASK CPU	CS out select

CRT	L400	C425	C427	C428
750A5702-3AV CPT CRT	73A147-541-HA	63A210J2443CC	63A210J2042CC	63A210J6842CC
750A5745-6AV LPD CRT	73A147-541-HA	63A210J2243CC	63A210J1842CC	63A210J6842CC


P801
R/I
GND
G/I
B/I
FB802 JUMPER
FB803 JUMPER
FB804 JUMPER
R805 33 1/6W
R804 33 1/6W
R806 33 1/6W
R802 75
R801 75
R803 75
C817 10pF
C818 10pF
C819 10pF
D803 1N4148
D804 1N4148
D801 1N4148
D802 1N4148
D806 1N4148
D805 1N4148
C802 0.1UF 50V
C801 0.1UF 50V
C803 0.1UF 50V
C806 1UF/50V
C813 100P/50V
IC801 56A366-515 LM1237BDKE
VFLY
Vref
Vref
GND
R/V IN
G/V IN
B/V IN
A-GND
PLL
VCC
SDA
SCL
H-FLY
CLAMP
ABL
R/V OUT
G/V OUT
B/V OUT
VDD
D-GND
DEC 1 OUT
DEC 2 OUT
DEC 3 OUT
DEC 4 OUT
R826 1K 1/6W
C804 0.1UF 50V
R835 10K
R819 NC
C815 JUMPER
C808 10
R820 6K2
R821 7K5
C809 3.3UF/50V
C860 0.1UF/250V
C829 47UF/100V
C830 100PF/1KV
C843 100/1KV
IC802 56A551-524 LM2470TA
FB807 JUMPER
Vcc
Vbb
Ri
Gi
Bi
GND
Ro
Go
Bo
L801 0.33uH
L802 0.33uH
L803 0.33uH
C827 NC
C838 10P
C837 10P
C838 10P
R832 JUMPER
R831 NC
C811 0.033UF
C835 1500P
R830 6K2
R825 1K
R824 1K
R823 1K
R812 NC
R813 NC
R816 NC
R827 4K7
Q801 NC
L804 71A55-19-T
R814 100
R815 100
C816 NC
C877 100P/50V
C876 100/50V
C821 0.1UF/50V
C823 0.1UF/50V
C824 0.1UF/50V
C839 NC
C826 47UF/50V
IC803 56A539-6 LM2480NA
RI
Gi
Bi
GND
Ro
Go
Bo
Vcc
R818 1K
FB801 71A55-9-T
FB805 61A172-281-52T
C805 100UF/16V
C833 0.1UF/50V
FB850 71A55-19-T
C870 22UF/100V
C834 0.01UF/100V
C832 1UF/100V
C848 100/1KV
R807 NC
R808 NC
C810 47uF 16V
ZD801 NC
P802
SDA
SCL
H_FB
Vfb
CLP
HT
ABL
G1
B0V
R857 1M 1/4W
FB852 71A55-19-T
D856 93A64-31P-52T BAV20
C840 1UF/100V
D850 93A64-501-52T BAV21
C859 NC
C856 0.1/250V
C853 1UF/100V
R860 JUMPER
D851 93A64-501-52T BAV21
L850 0.33uH
R854 51 1/4W
R872 56 1/2W
CRT
R855 51 1/4W
R858 1M 1/4W
D857 93A64-31P-52T BAV20
C857 0.1/250V
C864 1UF/100V
D852 93A64-501-52T BAV21
C861 NC
C854 1UF/100V
R861 JUMPER
L851 0.33uH
R873 56 1/2W
D853 93A64-501-52T BAV21
C875 0.1UF/50V
C874 0.01uF/2KV
R859 1M 1/4W
C867 1UF/100V
C825 0.01UF/1KV
C873 1000/500V
C831 1000/2KV
D858 93A64-31P-52T BAV20
C858 0.1/250V
L852 0.33uH
D854 93A64-501-52T BAV21
C862 NC
C828 100/2KV
R856 51 1/4W
C855 1UF/100V
R862 JUMPER
R874 56 1/2W
D855 93A64-501-52T BAV21
D863 93A60-21P-52T PS156R
R880 560K 1/2W
SG804 100PF/2KV
FB809 71A
R879 100 1/2W
R848 0.22 1/2W
FB808 JUMPER
G2
FOCUS
C871 100UF/16V





	R621	R618	C607	R751
2	61A 17215452T	NC	NC	61A 60262152T
2	61A 17218452T	61A172-394-52T	64A178J-104-0T	61A 60268152T

AOC 冠捷电子(福建)有限公司		DRAWER BY	BILL.HCZ
MODEL: P774-2HPQ	P/N: P774-2HPQ-01-A	EE CHECKER	
		SAFTYCHECKER	
Date: Monday, August 16, 2004		APPROVED BY	