Website:http://biz.LGservice.com
E-mail:http://www.LGEservice.com/techsup.html

COLOR MONITOR
SERVICE MANUAL

CHASSIS NO. : CA-114
FACTORY MODEL: FB790G

MODEL: FLATRON F700P (FB790G-UL)

***( ) ID LABEL Model No.**

CAUTION
BEFORE SERVICING THE UNIT,
READ THE **SAFETY PRECAUTIONS** IN THIS MANUAL.

CONTENTS

SPECIFICATIONS

1. PICTURE TUBE

Size	: 17 inch (Flat Slot Mask)
Deflection Angle	: 90°
Neck Diameter	: 29.1 mm
Phosphor	: P22
Slot Pitch	: 0.24 mm
Face Treatment	: W-ARASC (Anti-Reflective and Anti-Static Coating), Internal Anti-Glare

2. SIGNAL

2-1. Horizontal & Vertical Sync

1) Input Voltage Level : Low= ≤0.8V, High= ≥2.1V
2) Sync Polarity : Positive or Negative

2-2. Video Input Signal

1) Voltage Level : 0 ~ 0.7 Vp-p
a) Color 0, 0 : 0 Vp-p
b) Color 7, 0 : 0.467 Vp-p
c) Color 15, 0 : 0.7 Vp-p
2) Input Impedance : 75 Ω
3) Video Color : R, G, B Analog
4) Signal Format : Refer to the Timing Chart

2-3. Signal Connector

15 Pin D-Sub Connector

2-4. Scanning Frequency

Horizontal : 30 ~ 96 kHz
Vertical : 50 ~ 160 Hz

3. POWER SUPPLY

AC 100~240V, 50/60HZ, 2.5A Max
AC 200~240V, 50Hz, 1.5A Max.(PFC version)

3-2. Power Consumption

MODE	H/V SYNC	POWER CONSUMPTION **(USB)**	LED COLOR
MAX		less than 110W (130W)	GREEN
NORMAL (ON)	ON/ON	less than 83W (104W)	GREEN
STAND-BY	OFF/ON	less than 8W (30W)	ORANGE
SUSPEND	ON/OFF	less than 8W (30W)	
OFF	OFF/OFF	less than 1W (20W)	ORANGE

4. DISPLAY AREA

4-1. Active Video Area :

- Max Image Size - 325.4 x 244.1mm (12.91" x 9.61")
- Preset Image Size - 310 x 230 mm (12.20" x 9.06")

4-2. Display Color : Full Colors
4-3. Display Resolution : 1600 Dots x 1200Lines
4-4. Video Bandwidth : 203MHz

5. ENVIRONMENT

5-1. Operating Temperature: 0°C ~ 40°C (32°F ~ 103°F) (Ambient)
5-2. Relative Humidity : 10% ~ 90% (Non-condensing)
5-3. Altitude : 10,000 ft

6. DIMENSIONS (with TILT/SWIVEL)

Width	: 415.0 mm (16.34")
Depth	: 432.0 mm (17.00")
Height	: 413.0 mm (16.25")

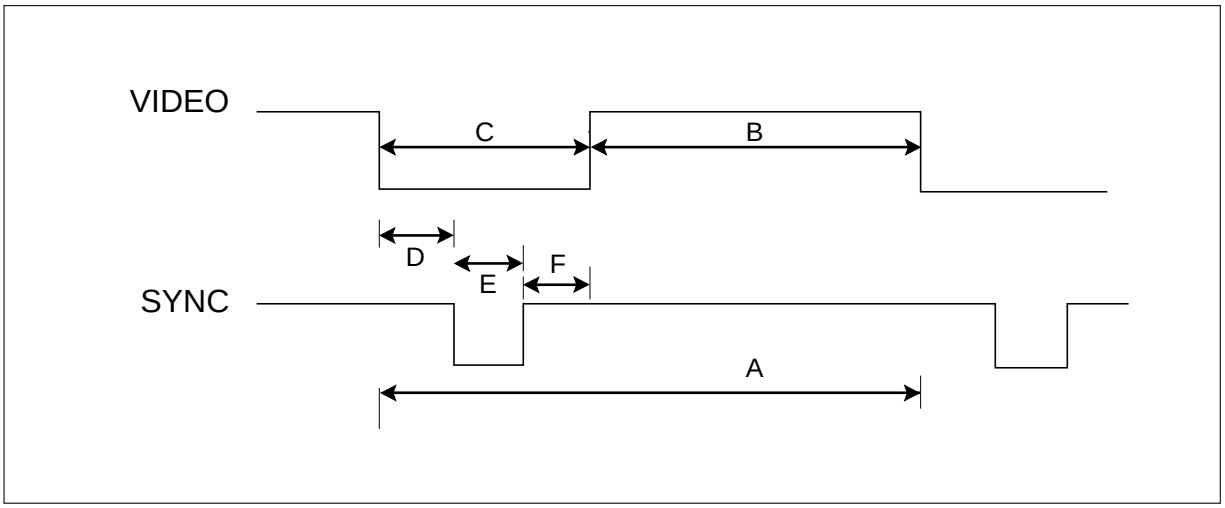
7. WEIGHT (with TILT/SWIVEL)

Net Weight	: 18 kg (39.68 lbs)
Gross Weight	: 20.5 kg (45.20 lbs)

8. USB Specifications

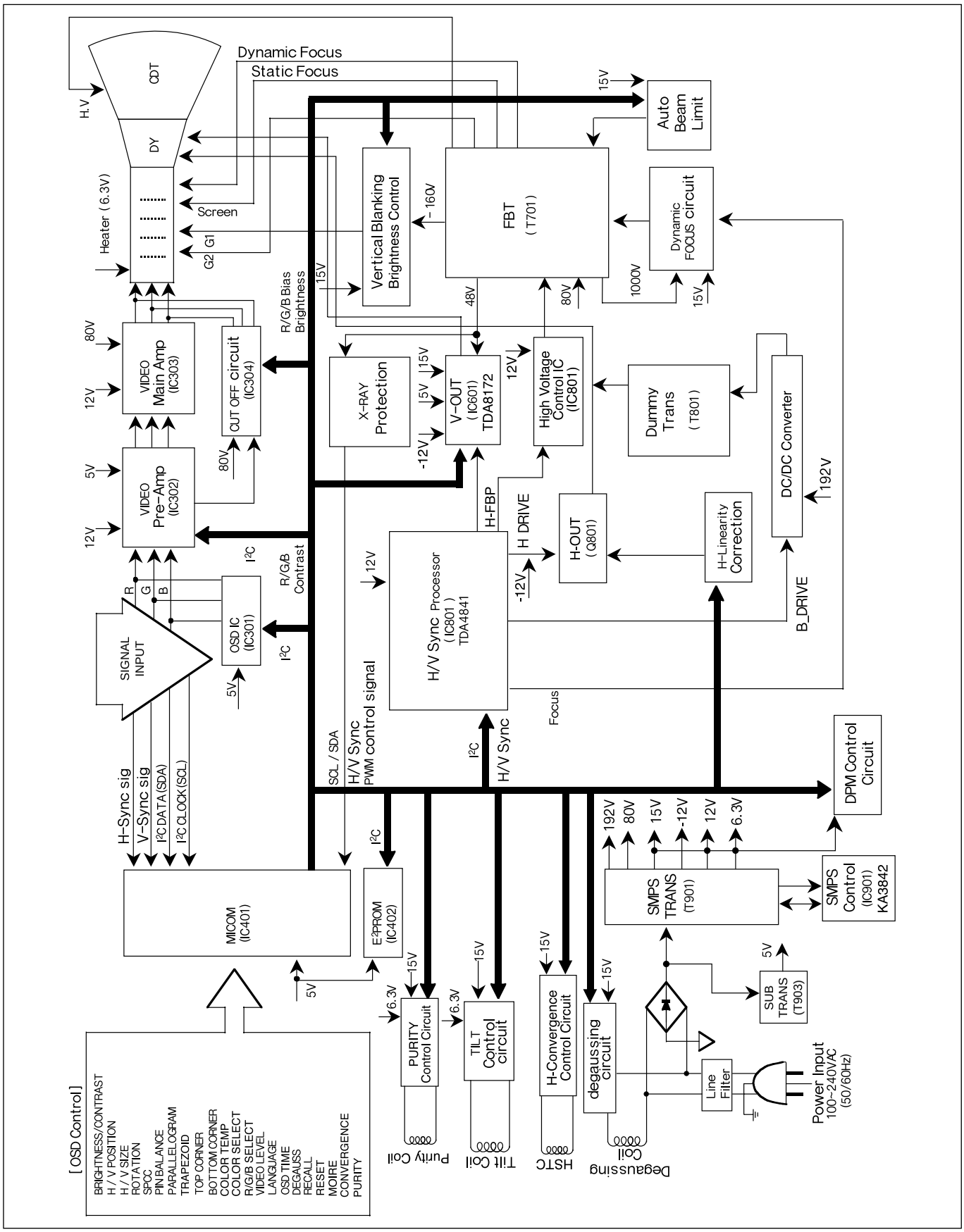
USB Standard	: Rev. 1.0 complied self-powered hub
Downstream power supply	: 500mA for each (MAX)
Communication speed	: 12 Mbps (Full), 1.5 Mbps (Low)
USB port	: 1 Upstream port 4 Downstream ports

TIMING CHART



MODE			FACTORY PRESET MODE				
			MARK	MODE 1	MODE 2	MODE 3	MODE 4
				VESA			
HORIZONTAL	Sync Polarity			–	+	+	+
	Frequency	kHz		43.269	53.674	68.677	91.146
	Total Period	µs	A	23.112	18.631	14.561	10.971
	Video Active Time	µs	B	17.778	14.222	10.836	8.127
	Blanking Time	µs	C	5.334	4.409	3.725	2.844
	Front Porch	µs	D	1.556	0.569	0.508	0.406
	Sync Duration	µs	E	1.556	1.138	1.016	1.016
	Back Porch	µs	F	2.222	2.702	2.201	1.422
VERTICAL	Sync Polarity			–	+	+	+
	Frequency	Hz		85.008	85.061	84.997	85.024
	Total Period	ms	A	11.763	11.756	11.765	11.762
	Video Active Time	ms	B	11.093	11.178	11.183	11.235
	Blanking Time	ms	C	0.670	0.578	0.582	0.527
	Front Porch	ms	D	0.023	0.019	0.015	0.011
	Sync Duration	ms	E	0.069	0.056	0.044	0.033
	Back Porch	ms	F	0.578	0.503	0.523	0.483
Resolution				**640 X 480 85Hz**	**800 X 600 85Hz**	**1024 X 768 85Hz**	**1280 X 1024 85Hz**
Recall				Yes	Yes	Yes	Yes

BLOCK DIAGRAM



DESCRIPTION OF BLOCK DIAGRAM

1. Line Filter & Associated Circuit.

This is used for suppressing noise of power input line flowing into the monitor and/or some noise generated in this monitor flowing out through the power input line.
That is to say, this circuit prevents interference between the monitor and other electric appliances.

2. Degauss Circuit & Coil.

The degauss circuit consists of the degaussing coil, the PTC (Positive Temperature Coefficient) thermistor (TH901), and the relay (RL901). This circuit eliminates abnormal color of the screen automatically by degaussing the slot mask in the CDT when turn on the power switch.
When you need to degauss while using the monitor, select DEGAUSS on the OSD menu.

3. SMPS (Switching Mode Power Supply).

This circuit works with power of 100~240V or 200~240V (50/60Hz) specially for PFC version.

The operation procedure is as follows:

1) AC input voltage is rectified and smoothed by the bridge diode (D901) and the capacitor (C905).
2) The rectified voltage (DC voltage) is applied to the primary coil of the transformer (T901).
3) The control IC (IC901) generates switching pulse to turn on and off the primary coil of the transformer (T901) repeatedly.
4) Depending on the turn ratio of the transformer, the secondary voltages appear at the secondary coil of the transformer (T901).
5) These secondary voltages are rectified by each diode (D924, D926, D923, D922, D921, D920) and operate the other circuits. (Deflection, Video Amplifier, etc.)

4. Display Power Management Circuit.

This circuit control power consumption of the monitor by detecting H and V sync signal. There are stand-by and suspend mode. When no horizontal or vertical sync signal input, the circuit consists of Q913, Q915 and IC401 control signal becomes stand-by and suspend mode. It's power consumption is below 8W. When no horizontal and vertical sync signal input, it's power consumption is below 1W.

5. X-ray Protection.

This circuit detects the rectified DC voltage comes from the FBT pin 4. If the high voltage of the FBT reaches up to about 30kV (abnormal state), H.V control (IC802) detects. It stops B^+ voltage supplied to the FBT (T701), and high voltage is not be generated, (In the normal state, the high voltage is about 26kV.)

6. Micom(Microprocessor) Circuit.

The operating procedure of Micom (Microprocessor) and its associated circuit is as follows:

1) H and V sync signal is supplied from Signal Cable to the Micom (IC401).
2) The Micom (IC401) distinguishes polarity and frequency of H and V sync.
3) The Micom controls each OSD function signals. (H-size, H-position, V-size, etc.)
4) The controlled data of each mode is stored in IC402. User can adjust screen condition by each OSD function. The data of the adjust screen condition is stored automatically.

7. Horizontal and Vertical Synchronous Processor.

This circuit generates the horizontal drive pulse and the vertical drive pulse by taking sync-signal from Signal Cable. This circuit consists of the TDA4841(IC801) and the associated circuit.

8. Oscillating Circuit for D/D Converter.

This circuit generates the pulse wave which has the horizontal period by taking the output of the TDA4841(IC801).

9. D/D (DC to DC) Converter.

This circuit supplies DC voltage to the horizontal deflection output circuit by decreasing DC 192V which is the secondary voltage of the SMPS in accordance with the input horizontal sync signal.

10. D/D Drive & Convert Circuit.

This circuit is used for supplying B^+ voltage to horizontal deflection output transistor (Q801).

11. Horizontal Deflection Output Circuit.

This circuit makes the horizontal deflection by supplying the saw-tooth current to the horizontal deflection yoke.

12. High Voltage Output & FBT (Flyback Transformer).

The high voltage output circuit is used for generating pulse wave to the primary coil of the FBT (Flyback Transformer (T701)). A boosted voltage (about 26kV) appears at the secondary of the FBT and it is supplied to the anode of the CDT.
And there are another output voltages such as the dynamic focus voltage.

13. H-Linearity Correction Circuit.

This circuit corrects the horizontal linearity for each horizontal sync frequency.

14. Vertical Output Circuit.

This circuit takes the vertical wave from the TDA4841(IC801) and performs the vertical deflection by supplying the saw-tooth wave current from the TDA8172 (IC601) to the vertical deflection yoke.

15. Dynamic Focus Output Circuit.

This circuit takes H and V parabola wave from the TDA4841(IC801), and amplifies these waves to offer to the FBT (T701).

16. H & V Blanking and Brightness Control.

This circuit eliminates the retrace line by supplying a negative pulse to the G1 of the CDT.

17. Image Rotation (Tilt) Circuit.

This circuit corrects the tilt of the screen by supplying the image rotation signal to the tilt coil which is attached to the CDT near the deflection.

18. Static Convergence Control Circuit.

This circuit corrects the convergence of the screen by supplying the convergence signal to the 4H (STC) coil which is attached to the CDT near the deflection.

19. Moire Reduction Circuit

This circuit reduce interference between the periodical display pattern and the CDT's slot (or dot).
The positions of every other one dot video signal beams (red, green, and blue beam) are shifted finely, thus reducing interference.

20. OSD Circuit.

This circuit is used for performing the OSD (On-Screen- Display) function.
When a user selects the OSD Select/Adjustment control, the adjustment status displays on the screen.

21. Video Pre-Amp Circuit.

This circuit amplifies the analog video signal from 0-0.7V to 0-4V. This circuit is operated by taking the clamp, R, G, B drives, and contrast signals from the Micom (IC401).

22. Video Output Amp Circuit.

This circuit amplifies the video signal which comes from the video pre-amp circuit and amplified video signal is applied to the CDT cathode.

ADJUSTMENT

GENERAL INFORMATION

All adjustment are thoroughly checked and corrected when the monitor leaves the factory, but sometimes several adjustments may be required.
Adjustment should be following procedure and after warming up for a minimum of 30 minutes.

- Alignment appliances and tools.
  - IBM compatible PC.
  - Programmable Signal Generator.
    (eg. VG-819 made by Astrodesign Co.)
  - EPROM or EEPROM with saved each mode data.
  - Alignment Adaptor and Software.
  - Digital Voltmeter.
  - White Balance Meter.
  - Luminance Meter.
  - High-voltage Meter.

AUTOMATIC AND MANUAL DEGAUSSING

The degaussing coil is mounted around the CDT so that automatic degaussing when turn on the monitor. But a monitor is moved or faced in a different direction, become poor color purity cause of CDT magnetized, then press DEGAUSSING on the OSD menu.

ADJUSTMENT PROCEDURE & METHOD

- Install the cable for adjustment such as Figure 1and run the alignment program on the DOS for IBM compatible PC.
- Set external Brightness and Contrast volume to max position.

1. Adjustment for B^+ Voltage.

1) Display cross hatch pattern at Mode 4.
2) Adjust C921 (+) voltage to 192V ± 0.2V with **VR901**.

2. Adjustment for High-Voltage.

1) Display cross hatch pattern at Mode 4.
2) Adjust CDT Anode voltage to 26kV ± 0.2kV with **VR801**.

3. Adjustment for Horizontal Raster Center.

1) Display cross hatch pattern at Mode 4.
2) Adjust the Back Raster should be center of the screen with SW801.

4. Adjustment for Factory Mode (Preset Mode).

1) Display cross hatch pattern at Mode 1~4.
2) Run alignment program for FB790G on the IBM compatible PC.
3) EEPROM → ALL CLEAR → Y(Yes) command.
   <Caution> *Do not run this procedure unless the EEPROM is changed. All data in EEPROM (mode data and color data) will be erased.*
4) COMMAND → PRESET START → Y(Yes) command.
5) DIST. ADJ. → FOS. ADJ command.
6) Adjust H-POSITION as arrow keys to center of the screen.
7) Adjust H-SIZE as arrow keys to 310 ± 2mm.
8) Adjust V-POSITION as arrow keys to center of the screen.
9) Adjust V-SIZE as arrow keys to 230 ± 2mm.
10) Adjust TRAPEZOID as arrow keys to be the best condition.
11) Adjust TILT as arrow keys to be the best condition.
12) Display cross hatch pattern at Mode 4.
13) DIST. ADJ. → BALANCE DATA command.
14) Adjust balance of Pin-Balance as arrow keys to be the best condition.
15) Adjust parallelogram as arrow keys to be the best condition.
16) Save of the Mode.
17) Save of the System.
18) Display from Mode 4 and repeat above from number 6) to 15).
19) COMMAND → PRESET EXIT → Y (Yes) command.

5. Adjustment for White Balance and Luminance.

1) Set the White Balance Meter.
2) Press the DEGAUSSING on the OSD menu for demagnetization of the CDT.
3) Display color 0,0 pattern at Mode 4.
4) COMMAND → PRESET START → Y(Yes) command.
5) Set Bightness and Contrast to max position.
6) COLOR ADJ. → LUMINANCE command of the alignment program.
7) COLOR ADJ. → BIAS ADJ. command of the alignment program.
8) Check whether blue color or not at R-BIAS and G-BIAS to min position, Sub-Brightness to 90 position, B-BIAS to 75 position. If it's not blue color, the monitor must repair.
9) Adjust Screen control on the FBT to 0.15 ± 0.02FL of the raster luminance.
10) Adjust R-BIAS and G-BIAS command to x=0.283 ± 0.006 and y=0.298 ± 0.006 on the White Balance Meter with PC arrow keys.

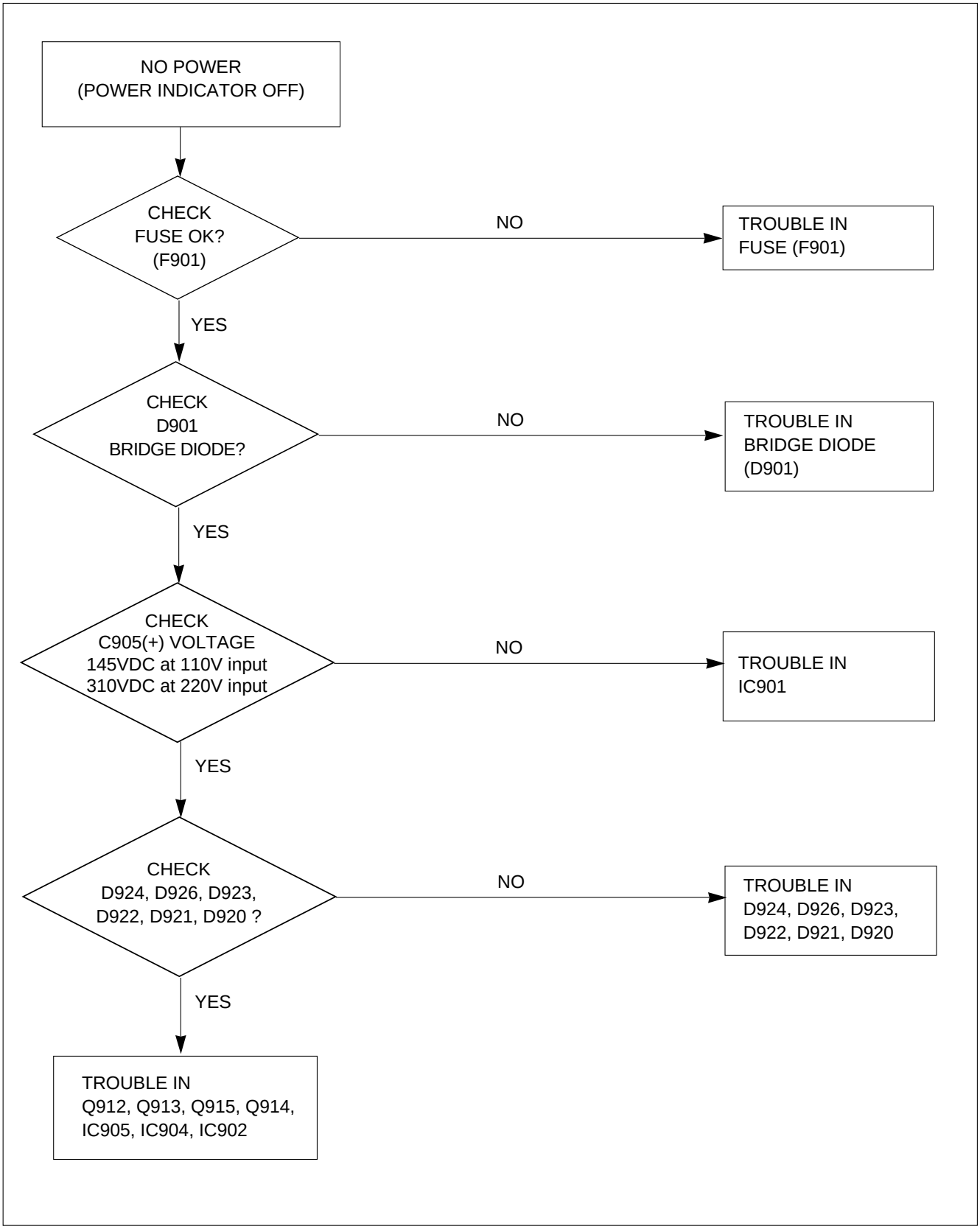
11) Display color 15,0 box pattern(70x70mm) at mode 4.
12) DRIVE ADJ command.
13) Set B-DRIVE to 100 at DRIVE of the alignment program.
14) Adjust R-DRIVE and G-DRIVE command to white balance x=0.283 ± 0.003 and y=0.298 ± 0.003 on the White Balance Meter with PC arrow keys.
15) Adjust SUB-CONTRAST command to 47±1FL of the raster luminance.
15) Display color 15,0 full white patten at Mode 4.
16) COLOR ADJ. → LUMINANCE → ABL command.
17) Adjust ABL to 32 ± 1FL of the luminance.
18) Exit from the program.

6. Adjustment for Focus.

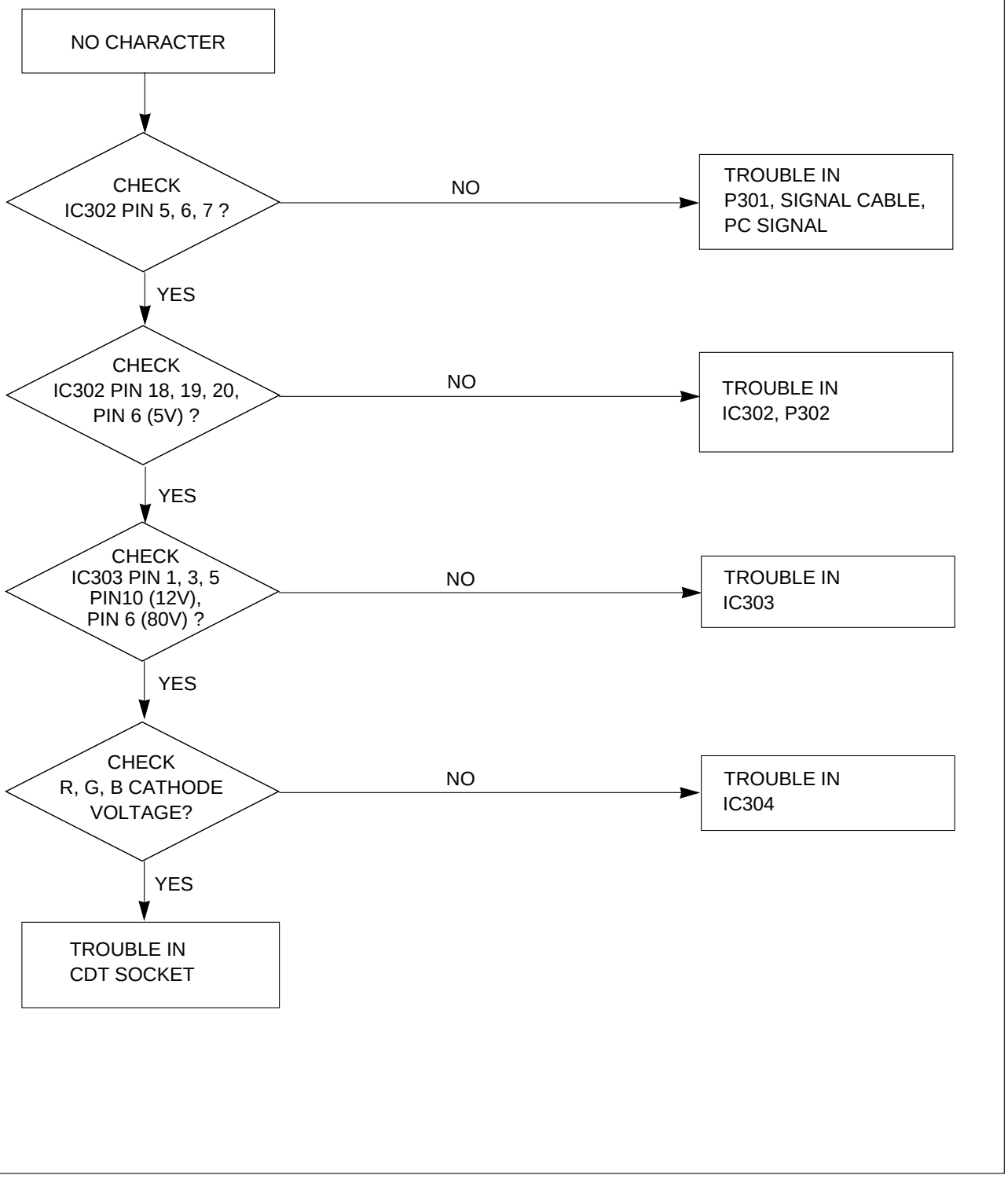
1) Display H character in full screen at Mode 4.
2) Adjust two Focus control on the FBT that focus should be the best condition.

TROUBLESHOOTING GUIDE

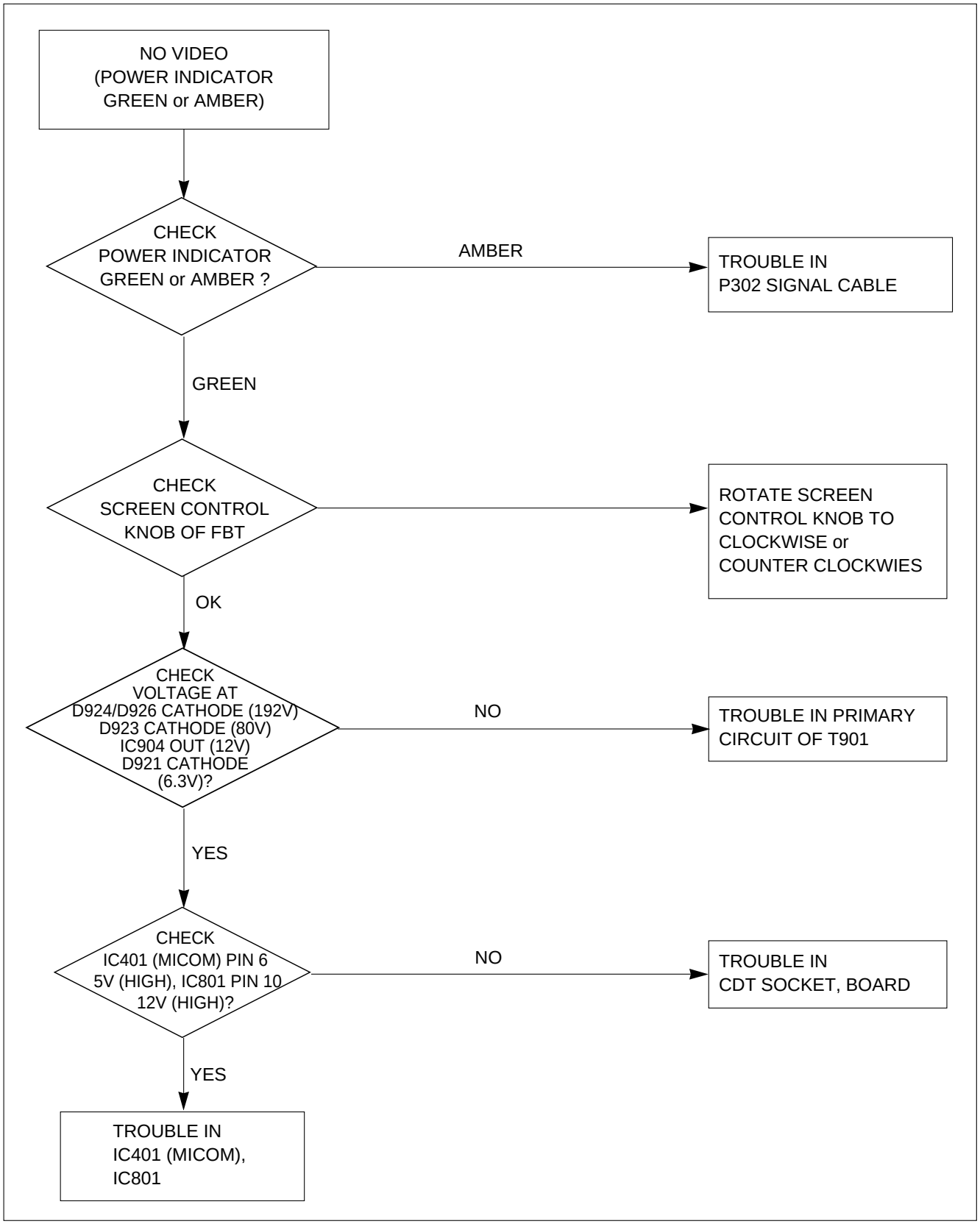
1. NO POWER



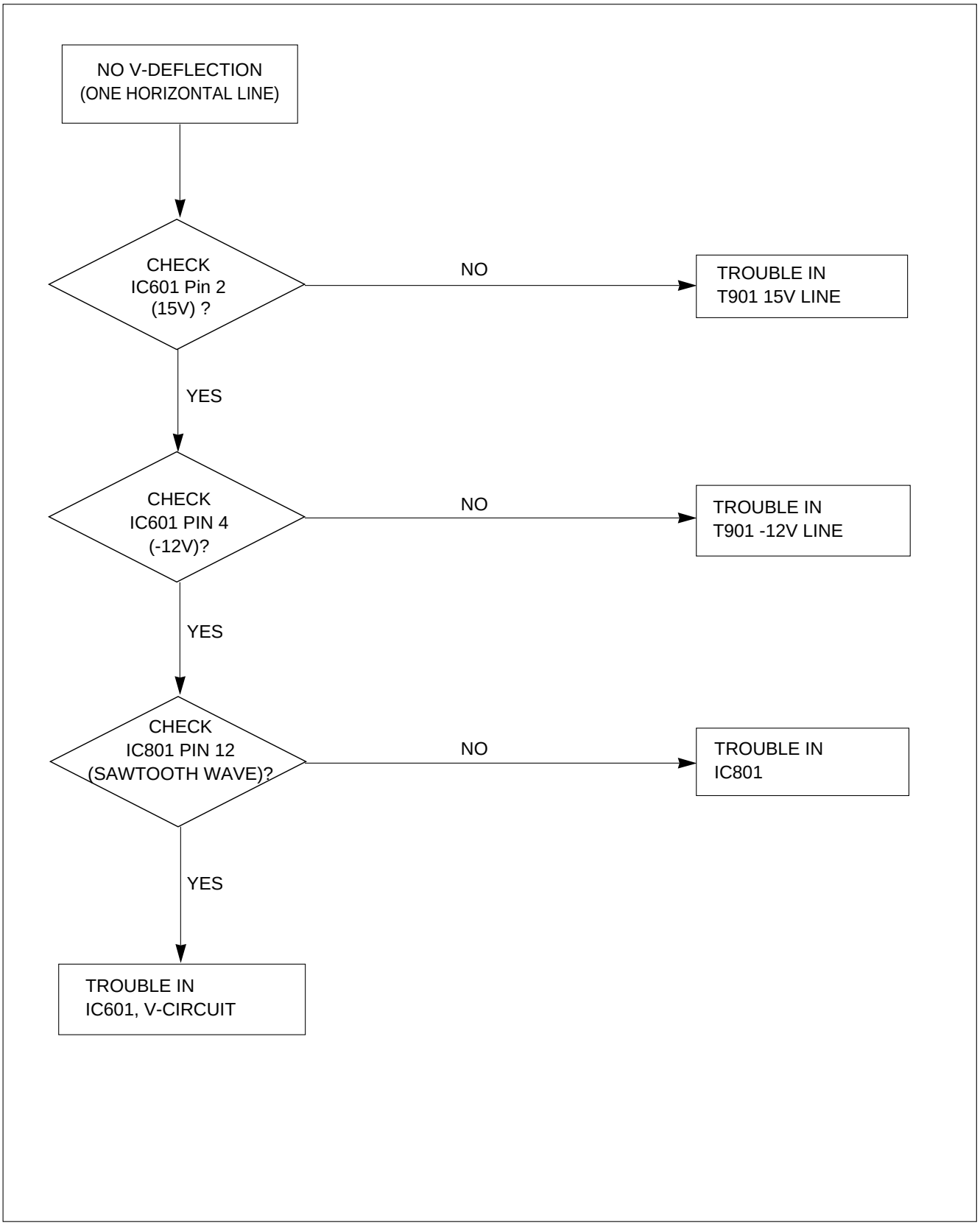
2. NO CHARACTER



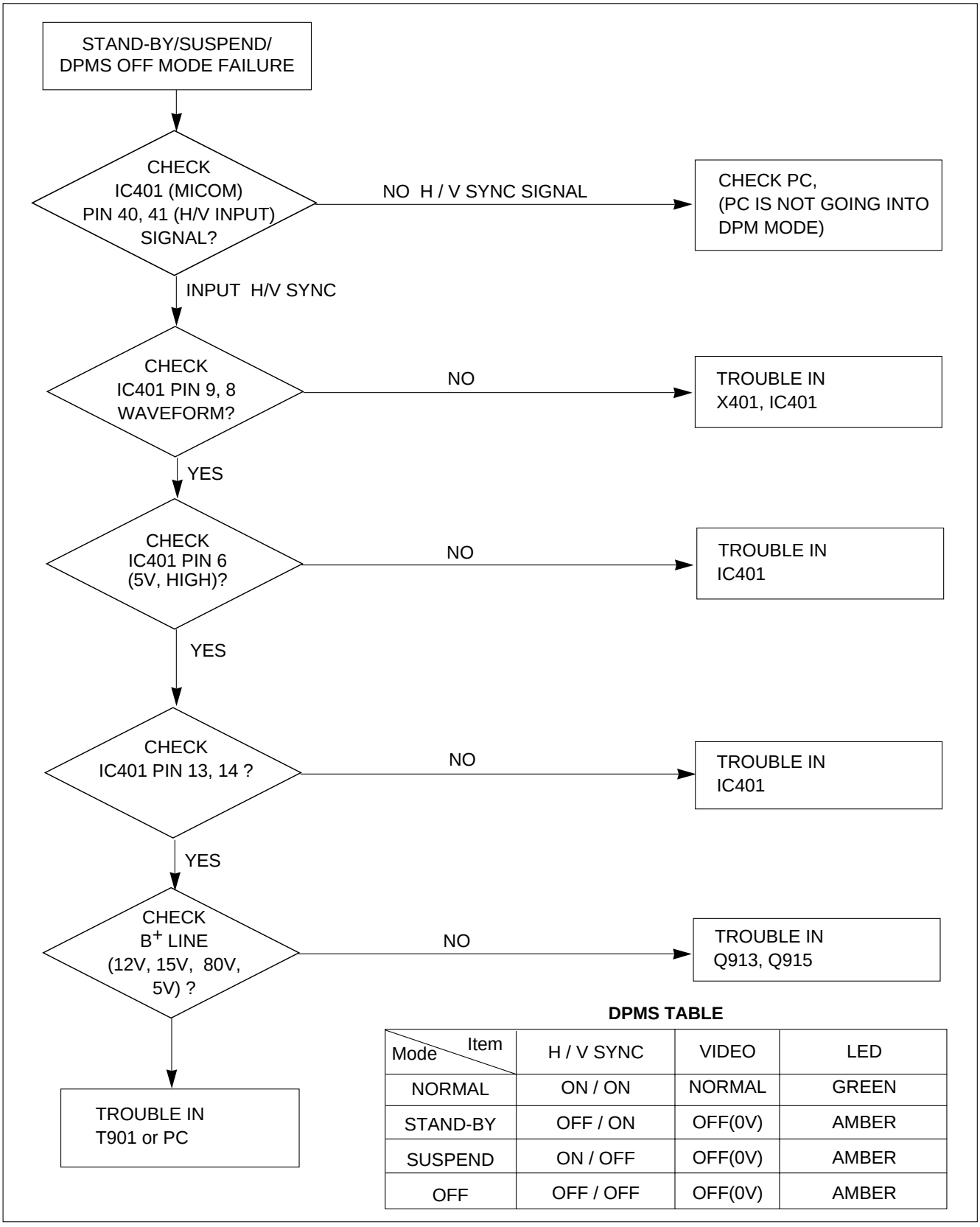
3. NO RASTER


NO VIDEO
(POWER INDICATOR
GREEN or AMBER)
CHECK
POWER INDICATOR
GREEN or AMBER ?
AMBER
TROUBLE IN
P302 SIGNAL CABLE
GREEN
CHECK
SCREEN CONTROL
KNOB OF FBT
ROTATE SCREEN
CONTROL KNOB TO
CLOCKWISE or
COUNTER CLOCKWIES
OK
CHECK
VOLTAGE AT
D924/D926 CATHODE (192V)
D923 CATHODE (80V)
IC904 OUT (12V)
D921 CATHODE
(6.3V)?
NO
TROUBLE IN PRIMARY
CIRCUIT OF T901
YES
CHECK
IC401 (MICOM) PIN 6
5V (HIGH), IC801 PIN 10
12V (HIGH)?
NO
TROUBLE IN
CDT SOCKET, BOARD
YES
TROUBLE IN
IC401 (MICOM),
IC801

4. NO VERTICAL DEFLECTION



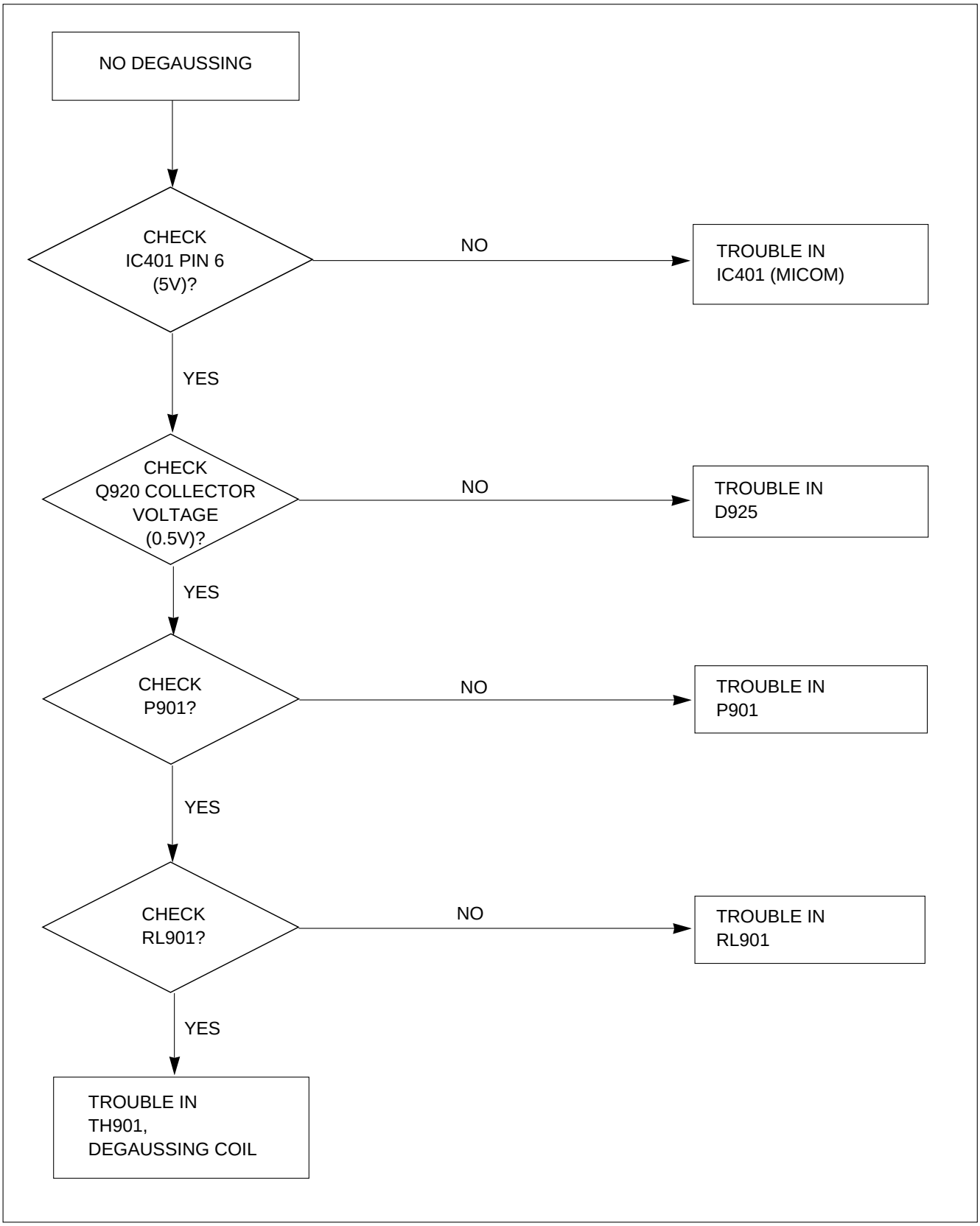
5. TROUBLE IN DPM



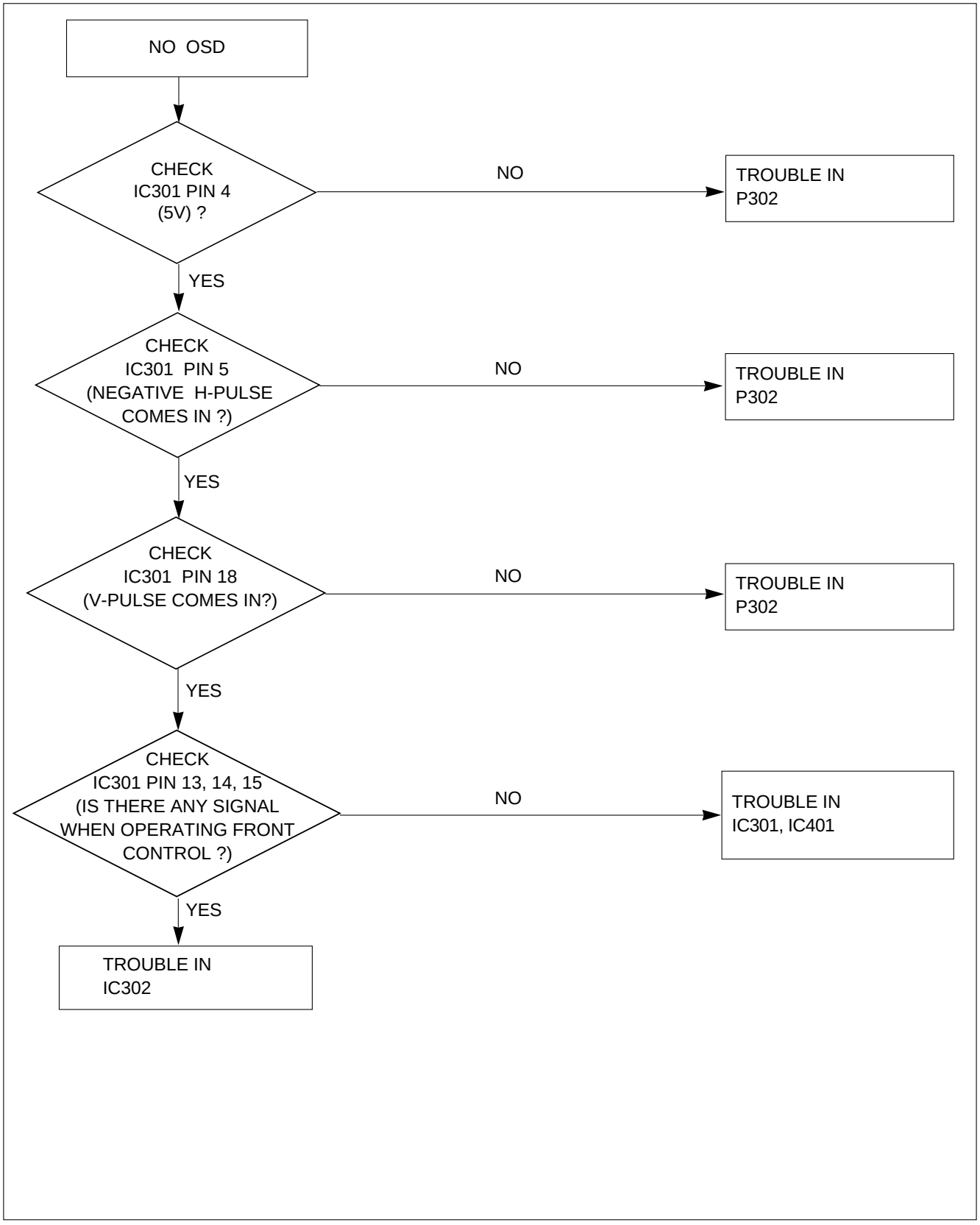
DPMS TABLE

Mode \ Item	H / V SYNC	VIDEO	LED
NORMAL	ON / ON	NORMAL	GREEN
STAND-BY	OFF / ON	OFF(0V)	AMBER
SUSPEND	ON / OFF	OFF(0V)	AMBER
OFF	OFF / OFF	OFF(0V)	AMBER

6. NO DEGAUSSING



7. TROUBLE IN OSD



REPLACEMENT PARTS LIST

CAUTION: BEFORE REPLACING ANY OF THESE COMPONENTS,
READ CAREFULLY THE **SAFETY PRECAUTIONS** IN THIS MANUAL.
* NOTE : **S** SAFETY Mark ⚠
AL ALTERNATIVE PARTS

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		CAPACITORS		
		C201	0CN1040K949	0.1M 50V Z F TA52
		C301	0CE477CF618	470UF SHL 16V M FL TP5
		C302	0CE107CF638	100UF SHL,SD 16V M FM5 TP 5
		C303	181-288B	MKT 100V 104JTR PHS26104
		C304	181-288N	MKT 100V 103JTR PHS86103
		C305	181-288N	MKT 100V 103JTR PHS86103
		C306	0CN1040K949	0.1M 50V Z F TA52
		C307	0CN1040K949	0.1M 50V Z F TA52
		C308	0CN1040K949	0.1M 50V Z F TA52
		C309	181-288B	MKT 100V 104JTR PHS26104
		C310	0CK1040K945	0.1UF 50V Z F TR
		C312	181-288B	MKT 100V 104JTR PHS26104
		C313	181-288B	MKT 100V 104JTR PHS26104
		C314	181-288B	MKT 100V 104JTR PHS26104
		C315	181-288B	MKT 100V 104JTR PHS26104
		C316	0CK10302940	0.01M 2KV Z F S
		C317	0CE106CN638	10UF SHL,SD 100V M FM5 TP 5
		C318	181-288B	MKT 100V 104JTR PHS26104
		C319	0CK10302940	0.01M 2KV Z F S
		C320	0CE107CN630	100U SHL 100V M FM5
		C321	0CE107EF638	100UF KMG 16V M FM5 TP 5
		C322	0CN1040K949	0.1M 50V Z F TA52
		C323	0CE476EN618	47UF KMG 100V M FL TP 5
		C324	181-288B	MKT 100V 104JTR PHS26104
		C325	0CC3300K415	33P 50V J NP0 TP
		C326	181-288B	MKT 100V 104JTR PHS26104
		C327	181-288B	MKT 100V 104JTR PHS26104
		C329	181-288B	MKT 100V 104JTR PHS26104
		C330	181-288B	MKT 100V 104JTR PHS26104
		C332	181-288E	MKT 100V 474JTR PHS 26474
		C333	181-288E	MKT 100V 474JTR PHS 26474
		C334	181-288E	MKT 100V 474JTR PHS 26474
		C336	0CK1010W515	100P 500V K B TS
		C337	181-288B	MKT 100V 104JTR PHS26104
		C340	0CE227CF638	220UF SHL,SD 16V M FM5 TP 5
		C341	181-288B	MKT 100V 104JTR PHS26104
		C342	0CC2200W415	22PF 500V J NP0 TR
		C343	0CK1010K515	100PF 50V K B TR
		C345	0CK22202510	2200P 2KV K B S
		C346	0CC47001505	47PF 1KV K SL TR
		C347	0CC47001505	47PF 1KV K SL TR
		C348	0CK1040K945	0.1UF 50V Z F TR
		C349	181-288E	MKT 100V 474JTR PHS 26474
		C350	0CK2210K515	220P 50V K B TS
		C355	0CK1040K945	0.1UF 50V Z F TR
		C356	0CN6810K519	680P 50V K B TA52
		C401	0CC5600K415	56P 50V J NP0 TP
		C402	0CE476CH638	47UF SHL,SD 25V M FM5 TP 5

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C403	0CK2710K515	270P 50V K B TS
		C404	0CK2710K515	270P 50V K B TS
		C405	0CK2710K515	270P 50V K B TS
		C406	0CC0400K115	4P 50V D NP0 TS
		C407	0CC0400K115	4P 50V D NP0 TS
		C408	0CN1040K949	0.1M 50V Z F TA52
		C410	0CK1040K945	0.1UF 50V Z F TR
		C417	0CK1040K945	0.1UF 50V Z F TR
		C418	0CN1040K949	0.1M 50V Z F TA52
		C452	0CE106CK638	10UF SHL,SD 50V M FM5 TP 5
		C453	0CE106CK638	10UF SHL,SD 50V M FM5 TP 5
		C454	0CK1040K945	0.1UF 50V Z F TR
		C455	0CK1040K945	0.1UF 50V Z F TR
		C456	0CE106CK638	10UF SHL,SD 50V M FM5 TP 5
		C457	0CK1040K945	0.1UF 50V Z F TR
		C459	0CK1010K515	100PF 50V K B TR
		C501	0CE1074F638	100UF SRA,SS 16V M FM5 TP 5
		C502	0CE1074F638	100UF SRA,SS 16V M FM5 TP 5
		C503	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C504	0CE1074F638	100UF SRA,SS 16V M FM5 TP 5
		C505	0CH6330K416	33PF 50V J NP0 2012 R/TP
		C506	0CH6330K416	33PF 50V J NP0 2012 R/TP
		C507	0CE1054K638	1 UF SRA,SS 50V M FM5 TP 5
		C508	0CH3104K946	100000PF 50V Z F 2012 R/TP
		C509	0CH3103K516	10000PF 50V K B 2012 R/TP
		C510	0CH3104K946	100000PF 50V Z F 2012 R/TP
		C511	0CE1054K638	1 UF SRA,SS 50V M FM5 TP 5
		C512	0CH3104K946	100000PF 50V Z F 2012 R/TP
		C513	0CH3104K946	100000PF 50V Z F 2012 R/TP
		C514	0CH3104K946	100000PF 50V Z F 2012 R/TP
		C515	0CH3104K946	100000PF 50V Z F 2012 R/TP
		C516	0CE1074F638	100UF SRA,SS 16V M FM5 TP 5
		C601	0CQ4721N419	0.0047U 100V J POLY NI TP5
		C602	0CE225CK638	2.2UF SHL,SD 50V M FM5 TP 5
		C603	0CN2220K519	2200PF 50V K B TA52
		C604	0CN1040K949	0.1M 50V Z F TA52
		C605	181-288Q	MKT 100V 154JTR PHS26154
		C606	0CK2220W515	2200P 500V K B TS
		C608	0CE108CF618	1000UF SHL 16V M FL TP5
		C610	0CE227EK618	220UF KMG 50V M FL TP 5
		C611	0CE108CH618	1000UF SHL 25V M FL TP5
		C615	181-288Q	MKT 100V 154JTR PHS26154
		C616	0CQ1231N419	0.0120UF 100V J PE NI TP
		C619	0CE475CN638	4.7UF SHL,SD 100V M FM5 TP 5
		C701	0CE106CK638	10UF SHL,SD 50V M FM5 TP 5
		C702	0CE227EN630	220UF KMG 100V M FM5 BULK
		C704	0CBZTBU003J	392J 20.0*12.5*7.5*10.0 800V J
		C705	0CE336CN638	33UF SHL,SD 100V M FM5 TP 5
		C707	0CE106CK638	10UF SHL,SD 50V M FM5 TP 5

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C708	0CE476CQ618	47U SHL 200V M FL TP5
		C709	181-477A	102J 19.5*12.0*7.0*7.5 250V J
		C710	0CC3300K415	33P 50V J NP0 TP
		C711	0CQ4721N419	0.0047U 100V J POLY NI TP5
		C712	0CK2220K515	2200P 50V K B TS
		C713	0CE107CH638	100UF SHL,SD 25V M FM5 TP 5
		C730	0CE476CH638	47UF SHL,SD 25V M FM5 TP 5
		C731	0CE105CK638	1UF SHL,SD 50V M FM5 TP 5
		C732	0CK1040K945	0.1UF 50V Z F TR
		C735	0CC1000W105	10PF 500V D SL TR
		C736	0CC1000W105	10PF 500V D SL TR
		C737	0CQ2221N419	2200PF 100V J PE NI TP
		C738	0CE685CN638	6.8UF SHL,SD 100V 20% TP 5 FM5
		C740	0CK10302945	0.01UF 2KV Z F TR
		C741	0CQ2231N419	0.022UF 100V J PE NI TP
		C742	0CK4710K515	470PF 50V K B TR
		C743	0CE106CN638	10UF SHL,SD 100V M FM5 TP 5
		C771	0CK6810K515	680P 50V K B TS
		C772	0CK4710W515	470P 500V K B TS
		C801	0CQ3321N419	3300P 100V J POLY NI TP
		C802	181-288B	MKT 100V 104JTR PHS26104
		C803	0CE106CK638	10UF SHL,SD 50V M FM5 TP 5
		C804	181-288D	MKT 100V 473JTR PHS26473
		C805	181-475E	222J 11.5*10.0*6.0*5.0 100V J
		C806	0CE227CH638	220UF SHL,SD 25V M FM5 TP 5
		C807	181-288B	MKT 100V 104JTR PHS26104
		C808	0CC1000K115	10P 50V D NP0 TS
		C809	0CK1020K515	1000PF 50V K B TR
		C810	0CE105CK638	1UF SHL,SD 50V M FM5 TP 5
		C811	0CE476CH638	47UF SHL,SD 25V M FM5 TP 5
		C812	0CE107CH638	100UF SHL,SD 25V M FM5 TP 5
		C813	0CE106CK638	10UF SHL,SD 50V M FM5 TP 5
		C814	0CK5610K515	560P 50V K B TS
		C815	0CE227CF638	220UF SHL,SD 16V M FM5 TP 5
		C817	0CE476CH638	47UF SHL,SD 25V M FM5 TP 5
		C818	181-288J	MKT 100V 563JTR PHS26563
		C819	181-477U	333J 19.5*13.0*7.5*7.5 250V J
		C821	0CK1040K945	0.1UF 50V Z F TR
		C823	0CK1010K515	100PF 50V K B TR
		C832	0CK10102515	100PF 2KV K B TR
		C835	0CBZTTA001S	123J 23.0*16.0*9.5*7.5 800V J
		C841	0CE107CR650	100UF SHL 250V M FM7.5 BULK
		C842	0CBZTTA002A	2000F D 2.5KV J M/PP NI TP7.5
		C843	0CQ3321N419	3300P 100V J POLY NI TP
		C844	0CBZTTA002A	2000F D 2.5KV J M/PP NI TP7.5
		C845	181-288B	MKT 100V 104JTR PHS26104
		C846	0CE477CF638	470UF SHL TYPE 16V M FM5 TP 5
		C847	0CQ2221N419	2200PF 100V J PE NI TP
		C848	0CK47101515	470P 1KV K B TS
		C849	0CK6810W515	680P 500V K B TS
		C850	0CK1040K945	0.1UF 50V Z F TR
		C851	0CK1040K945	0.1UF 50V Z F TR
		C852	0CN1040K949	0.1M 50V Z F TA52
		C854	181-482G	334J 18.0*18.0*11.0*7.5 250V J
		C855	181-303A	104J 20.5*18.5*10.5*10.0 250V
		C856	181-482C	154J 18.0*14.0*8.0*7.5 250V J
		C857	181-305N	105J 26.0*22.5*14.0*15.0 250V

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C858	181-303A	104J 20.5*18.5*10.5*10.0 250V
		C859	181-477X	563J 19.5*15.5*9.0*7.5 250V J
		C860	0CN1040K949	0.1M 50V Z F TA52
		C861	0CN1040K949	0.1M 50V Z F TA52
		C863	0CN1040K949	0.1M 50V Z F TA52
		C864	0CN1040K949	0.1M 50V Z F TA52
		C865	0CE105CK638	1UF SHL,SD 50V M FM5 TP 5
		C891	0CZZTFT001J	ECQB1H562JM3 562J 50V TP5.0 MA
		C892	0CZZTFT001M	ECQB1H103JM3 103J 50V TP5.0 MA
		C893	181-288B	MKT 100V 104JTR PHS26104
		C894	0CZZTFT001L	ECQB1H822JM3 822J 50V TP5.0 MA
		C895	181-288B	MKT 100V 104JTR PHS26104
		C896	181-288Q	MKT 100V 154JTR PHS26154
		C902	0CKZTTA003C	SC E 472M 14.0FF7 250V TP7.5 S
		C903	0CK10101515	100PF 1KV K B TR
		C904	181-304V	393J 19.5*15.5*9.5*10.0 400V J
		C905	181-296F	330UF SMH(30*40) 400V M VNSN
		C906	0CE475CN638	4.7UF SHL,SD 100V M FM5 TP 5
		C907	0CE335CK638	3.3UF SHL,SD 50V M FM5 TP 5
		C908	0CK1040K945	0.1UF 50V Z F TR
		C909	181-288T	MKT 100V 223KTR PHS85223
		C910	0CZZTFT001P	ECQB1H153JM3 153J 50V TP5.0 MA
		C912	0CE475CN638	4.7UF SHL,SD 100V M FM5 TP 5
		C915	0CE476CH638	47UF SHL,SD 25V M FM5 TP 5
		C916	0CKZTTA003C	SC E 472M 14.0FF7 250V TP7.5 S
		C917	0CKZTTA003C	SC E 472M 14.0FF7 250V TP7.5 S
		C920	0CK22101515	220P 1KV K B TP5
		C921	0CE227CR650	220UF SHL 250V M FM7.5 BULK
		C922	0CE227EN630	220UF KMG 100V M FM5 BULK
		C923	0CK10101515	100PF 1KV K B TR
		C925	0CE228CH618	2200U SHL 25V M FL TP5
		C926	0CE108EF618	1000UF KMG 16V M FL TP 5
		C927	0CE108CH630	1000UF SHL 25V M FM5 BULK
		C928	0CE108EF618	1000UF KMG 16V M FL TP 5
		C929	0CK1020K515	1000PF 50V K B TR
		C930	181-288H	MKT 100V 333JTR PHS 86333
		C950	0CE228ED630	2200UF KMG,RD 10V 20% BULK FM5
		C951	0CE228CD618	2200U SHL 10V M FL TP5
		C952	181-288L	MKT 100V 823JTR PHS26823
		C953	0CE477CF638	470UF SHL TYPE 16V M FM5 TP 5
		C954	0CK10301945	10000PF D 1KV Z F(Y5V) TR
		C955	0CE334CK638	0.33UF SHL,SD 50V 20% TP 5 FM5
		C956	0CE336CK638	33UF SHL,SD 50V M FM5 TP 5
		C957	0CK1030K945	0.01UF 50V Z F TR
		C958	0CE476CH638	47UF SHL,SD 25V M FM5 TP 5
		C970	0CE476CH638	47UF SHL,SD 25V M FM5 TP 5
DIODEs				
		D201	0DL305029BA	LTL-305DJ-0C2 TP LITEON GREEN/
		D301	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D302	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D303	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D304	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D305	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D306	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D307	0DS124409AA	1SS244 TP ROHM KOREA

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		D308	0DS124409AA	1SS244 TP ROHM KOREA
		D309	0DS124409AA	1SS244 TP ROHM KOREA
		D310	0DS124409AA	1SS244 TP ROHM KOREA
		D311	0DS124409AA	1SS244 TP ROHM KOREA
		D312	0DS124409AA	1SS244 TP ROHM KOREA
		D313	0DS124409AA	1SS244 TP ROHM KOREA
		D314	0DS124409AA	1SS244 TP ROHM KOREA
		D315	0DS124409AA	1SS244 TP ROHM KOREA
		D318	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D319	0DR140059DA	1N4005TB52 TP LITEON DO41 600V
		D401	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D402	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D404	0RD4701Q609	4.70K 1/4W(3 5% TA52
		D405	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D451	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D452	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D453	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D454	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D456	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D457	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D501	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D502	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D503	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D504	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D505	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D506	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D507	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D508	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D509	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D510	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 20
		D511	0DS226009AA	KDS226 TP KEC SOT-23 80V 300M
		D512	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		D513	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		D514	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		D515	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		D601	0DD100009DE	RGP10G TP G.I DO204AL 400V 1A
		D602	0DD100009DE	RGP10G TP G.I DO204AL 400V 1A
		D611	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D701	0DR400409AB	UF4004 TP G.I DO204AL 400V 1A
		D702	0DR400409AB	UF4004 TP G.I DO204AL 400V 1A
		D703	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D704	0DD100009DE	RGP10G TP G.I DO204AL 400V 1A
		D706	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D707	0DD100009DA	RGP10J TP G.I DO204AL 600V 1A
		D708	0DRFJ00011A	YG339D6F208 FUJI ST TO220 -400
		D709	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D731	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D732	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D733	0DD400709CB	UF4007 TP G.I DO204AL 1000V 1
		D734	0DD400709CB	UF4007 TP G.I DO204AL 1000V 1
		D735	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D736	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D737	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D738	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D739	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D771	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D772	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		D773	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D801	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D802	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D803	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D804	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D805	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D808	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D811	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D812	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D831	0DR260400AA	S2L60-4004P15 BK SHINDENGEN NO
		D833	0DR140059DA	1N4005TB52 TP LITEON DO41 600V
		D834	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D835	0DD140009AA	EK14 V(1) TP SANKEN E/EO-TMD 4
		D836	0DD140009AA	EK14 V(1) TP SANKEN E/EO-TMD 4
		D837	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D838	0DR200000EA	FMQ-G2FMS BK SANKEN NON 1500V
		D839	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D840	0DD100009DA	RGP10J TP G.I DO204AL 600V 1A
		D861	0DD140009AA	EK14 V(1) TP SANKEN E/EO-TMD 4
		D901	0DD360000DB	D3SB60 SHINDENKEN
		D902	0DD400709CB	UF4007 TP G.I DO204AL 1000V 1
		D903	0DD100009DE	RGP10G TP G.I DO204AL 400V 1A
		D904	0DD100009DA	RGP10J TP G.I DO204AL 600V 1A
		D905	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D906	971-0054	TIN 50MM TAPING
		D908	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D910	0DR153979AA	1N5397GP TP G.I DO201AD 600V 1
		D920	0DRSD00079A	D2L20U SHINDENGEN TP DO-204AC
		D921	0DRSD00079A	D2L20U SHINDENGEN TP DO-204AC
		D922	0DR320400AA	S3L20U-4004P15 BK SHINDENGEN N
		D923	0DR360000AB	D3L60 BK SHINDENGEN ITO220 6
		D924	0DR260400AA	S2L60-4004P15 BK SHINDENGEN NO
		D925	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D926	0DR260400AA	S2L60-4004P15 BK SHINDENGEN NO
		D927	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		D928	971-0054	TIN 50MM TAPING
		D929	0DD100009DE	RGP10G TP G.I DO204AL 400V 1A
		D940	0DD400709CB	UF4007 TP G.I DO204AL 1000V 1
		D941	0DD100009DE	RGP10G TP G.I DO204AL 400V 1A
		D942	0DR520000AA	D5LC20U BK SHINDENGEN ITO220
		D943	0DD100009DE	RGP10G TP G.I DO204AL 400V 1A
		D946	0DS141489AB	1N4148 TP GRANDE DO-34 500MW 1
		ZD201	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD202	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD203	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD303	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD306	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD402	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD403	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD404	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD405	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD407	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD408	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD409	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD410	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD703	0DZ510009BE	GDZ5.1B TP GRANDE DO34 500MW 5
		ZD711	0DZ910009AH	MTZJ9.1B TP ROHM-K DO34 500MW

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		ZD712	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500MW
		ZD802	0DZ180009BD	GDZJ18B TP GRANDE DO34 0.5W 18
		ZD804	0DZ180009BD	GDZJ18B TP GRANDE DO34 0.5W 18
		ZD901	0DZ240009BJ	GDZJ24B TP GRANDE DO34 500MW 2
		ZD902	0DZ470005AA	MTZ 4.7B TP ROHM-K DO34 500MW
		ICs		
		IC301	0IPRPNV009A	NT68275-00027 NOVATEK 16P, DIP
		IC302	0IPRPNS008A	LM1267NA NATIONAL SEMICONDUCTO
		IC303	0IPRPNS007A	LM2463TA NATIONAL SEMICONDUCTO
		IC304	0IPRPNS005A	LM2480NA NATIONAL SEMICONDUCTO
		IC401	0IZZTSZ179A	WT62PI WELTREND 42 ST MTP EB99
		IC402	0ISG240860A	M24C08-BN6 8DIP BK 8K SERIAL I
		IC501	0ITI204600B	TUSB2046B 32PQFP R/TP USB HUB
		IC502	0ITI204400A	TPS2044DR 16SOP TP QUAD POWER
		IC503	0ITI764330A	TPS76433DBVR SOT23(DBV) TP 0.1
		IC601	0ISG817200A	TDA8172
		IC801	0IPRPPH005A	TDA4841PS PHILIPS 32P,SDIP ST
		IC802	0IMI625010A	M62501P 16P4 BK INTERFACE PWM
		IC901	0ISS384300A	KA3843B 8P SDIP BK PWM CONTROL
		IC902	0IPMGFF001A	ICE2B265 INFINEON 8 DIP ST SMP
		IC904	0ISS781200F	KA7812
		IC906	0ILI817000E	LTV-817M B 4P BK PHOTO COUPLER
		IC916	0ILI817000E	LTV-817M B 4P BK PHOTO COUPLER
		IC917	0IKE431000B	KIA431 (TP)
		COILs & CORES		
		L304	0LA1000K119	100UH K 2.3*3.4 TP
		L305	0LA0390K119	0.39UH K 2.3*3.4 TP
		L306	0LA0390K119	0.39UH K 2.3*3.4 TP
		L307	0LA0390K119	0.39UH K 2.3*3.4 TP
		L308	971-0054	TIN 50MM TAPING
		L309	971-0054	TIN 50MM TAPING
		L310	971-0054	TIN 50MM TAPING
		L501	125-155P	BFS2550R2FG SAMWHA 2.5*5.0MM R
		L701	6140TBZ009C	NO CORE 10UH 0.12*15MM 50.5T F
		L801	6140TYZ011B	- GET DR14*15 EB990G H-LIN
		L805	150-985P	DR12*15 6MH 0.25MM 365.5T H-
		L806	150-985N	DR10*10 4.7UH 0.16MM 322.5T
		L901	6140TBZ032B	EE42SI PFC 49MH 0.42MM 230 +/-
		L910	150-985F	DR10*10 10UH 0.5MM 14.5T **(PFC)**
		FB201	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A
		FB301	125-155A	BFD3510R2FG SAMWHA 3.5*10MM RA
		FB302	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A
		FB303	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A
		FB304	125-155A	BFD3510R2FG SAMWHA 3.5*10MM RA
		FB305	125-155A	BFD3510R2FG SAMWHA 3.5*10MM RA
		FB306	125-022J	FERRITE KQ-1 JS 3.5*5.0MM AXIA
		FB307	125-022J	FERRITE KQ-1 JS 3.5*5.0MM AXIA
		FB308	125-022J	FERRITE KQ-1 JS 3.5*5.0MM AXIA
		FB309	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A
		FB310	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A
		FB312	125-155A	BFD3510R2FG SAMWHA 3.5*10MM RA
		FB313	125-155K	BFS3550A0FG SAMWHA 3.5*5.0MM A
		FB314	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		FB315	125-155A	BFD3510R2FG SAMWHA 3.5*10MM RA
		FB316	125-155A	BFD3510R2FG SAMWHA 3.5*10MM RA
		FB317	125-155A	BFD3510R2FG SAMWHA 3.5*10MM RA
		FB401	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A
		FB402	125-155N	BFD3565R2FG SAMWHA 3.5*6.5MM R
		FB403	125-155L	BFS3580A0FG SAMWHA 3.5*8.0MM A
		FB841	125-155P	BFS2550R2FG SAMWHA 2.5*5.0MM R
		FB902	125-155H	BFS3510A0FG SAMWHA 3.5*10MM AX
		FB903	125-155C	BFD3514R2FG SAMWHA 3.5*14MM RA
		FB904	125-155H	BFS3510A0FG SAMWHA 3.5*10MM AX
		FB905	125-155C	BFD3514R2FG SAMWHA 3.5*14MM RA
		FB906	125-155H	BFS3510A0FG SAMWHA 3.5*10MM AX
		FB907	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A
		TRANSISTORs		
		Q301	0TR390409CA	2N3904 TP SAMSUNG TO92 NPN
		Q302	0TR319809AA	KTC3198-Y(KTC1815) TP KEC TO92
		Q450	0TR131009BA	BFQ 131 TP PHILIPS SOT54 NPN V
		Q451	0TR127009AA	KTA1270-Y(KTA562TM) TP KEC TO9
		Q452	0TR127009AA	KTA1270-Y(KTA562TM) TP KEC TO9
		Q453	0TR320209AA	KTC3202-Y(KTC1959) TP KEC TO92
		Q454	0TR127009AA	KTA1270-Y(KTA562TM) TP KEC TO9
		Q455	0TR127009AA	KTA1270-Y(KTA562TM) TP KEC TO9
		Q456	0TR320209AA	KTC3202-Y(KTC1959) TP KEC TO92
		Q457	0TR564009AB	KSB564AC-YTA TP SANSUNG TO92 P
		Q458	0TR320209AA	KTC3202-Y(KTC1959) TP KEC TO92
		Q459	0TR127009AA	KTA1270-Y(KTA562TM) TP KEC TO9
		Q611	0TR320709AA	KTC3207(KTC2482) TP KEC TO92L
		Q701	0TR320509AB	KTC3205-Y(KTC2236A) TP KEC TO9
		Q704	0TFFN10003B	INFINEON SPA07N60C3 ST TO220F
		Q705	0TR320209AA	KTC3202-Y(KTC1959) TP KEC TO92
		Q706	0TR127009AA	KTA1270-Y(KTA562TM) TP KEC TO9
		Q707	0TR390409CA	2N3904 TP SAMSUNG TO92 NPN
		Q708	0TR319809AA	KTC3198-Y(KTC1815) TP KEC TO92
		Q721	0TR390409CA	2N3904 TP SAMSUNG TO92 NPN
		Q722	0TR390600CA	2N3906 TP SAMSUNG TO92 NPN
		Q723	0TR390409CA	2N3904 TP SAMSUNG TO92 NPN
		Q724-L	0TR463300AB	2SC4633(LS-CB11) BK SANYO LS-
		Q725-R	0TRFC10001A	FAIRCHILD KSC5042F-YDTU ST TO2
		Q771	0TR920009AB	KSP92 TP SAMSUNG TO92 HIGH VOL
		Q801	0TR558900BA	2SC5589(LG,W/M) BK TOSHIBA TO3
		Q802	0TR471009AA	KSD471AC-Y TP SAMSUNG TO92 NP
		Q803	0TR564009AB	KSB564AC-YTA TP SANSUNG TO92 P
		Q806	0TR471009AA	KSD471AC-Y TP SAMSUNG TO92 NP
		Q807	0TR564009AB	KSB564AC-YTA TP SANSUNG TO92 P
		Q808	0TR127009AA	KTA1270-Y(KTA562TM) TP KEC TO9
		Q810	0TR114009AB	DTC114ES TP ROHM-K SPT NPN
		Q832	0TF283509AA	2SK2835(TP) TP TOSHIBA 200V 5A
		Q833	0TF306000AA	2SJ306 BK SANYO -250V -3A TO2
		Q834	0TR231609AA	KSC2316-Y TP SAMSUNG TO92L NP
		Q836	0TF630000CA	IRFS630A BK SAMSUNG 200V 6.5A
		Q837	0TF630000CA	IRFS630A BK SAMSUNG 200V 6.5A
		Q838	0TF630000CA	IRFS630A BK SAMSUNG 200V 6.5A
		Q839	0TF640000CA	IRFS640A BK SAMSUNG 200V 9A T
		Q841	0TR114009AB	DTC114ES TP ROHM-K SPT NPN
		Q842	0TR114009AB	DTC114ES TP ROHM-K SPT NPN

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		Q843	0TR114009AB	DTC114ES TP ROHM-K SPT NPN
		Q844	0TR114009AB	DTC114ES TP ROHM-K SPT NPN
		Q901	0TFFN10003C	INFINEON SPA07N60C3(E8153) ST
		Q903	0TR319809AA	KTC3198-Y(KTC1815) TP KEC TO92
		Q912	0TR127309AA	KTA1273-Y(KTA966A) TP KEC TO92
		Q913	0TR319809AA	KTC3198-Y(KTC1815) TP KEC TO92
		Q914	0TR928009AB	KSA928A-Y TP SAMSUNG TO92L PNP
		Q915	0TR319809AA	KTC3198-Y(KTC1815) TP KEC TO92
		Q920	0TR319809AA	KTC3198-Y(KTC1815) TP KEC TO92
	RESISTORs			
		R201	0RD1001Q609	1K 1/4W(3 5% TA52
		R202	0RD1600Q609	160 1/4W(3 5% TA52
		R203	0RD2200Q609	220 1/4W(3 5% TA52
		R204	0RD2200Q609	220 1/4W(3 5% TA52
		R205	0RD1001Q609	1K 1/4W(3 5% TA52
		R206	0RD1600Q609	160 1/4W(3 5% TA52
		R207	0RD3300Q609	330 1/4W(3 5% TA52
		R208	0RD3300Q609	330 1/4W(3 5% TA52
		R209	0RD5600Q609	560 1/4W(3 5% TA52
		R210	0RD3600Q609	360 1/4W(3 5% TA52
		R211	0RD5100Q609	510 1/4W(3 5% TA52
		R301	0RD0752Q609	75 1/4W(3 5% TA52
		R302	0RD0752Q609	75 1/4W(3 5% TA52
		R303	0RD0752Q609	75 1/4W(3 5% TA52
		R304	0RD0332Q609	33 1/4W(3 5% TA52
		R305	0RD0332Q609	33 1/4W(3 5% TA52
		R306	0RD0332Q609	33 1/4W(3 5% TA52
		R307	0RD5601Q609	5.60K 1/4W(3 5% TA52
		R308	0RD1002Q609	10K 1/4W(3 5% TA52
		R309	0RD5601Q609	5.60K 1/4W(3 5% TA52
		R310	0RD1004Q609	1M OHM 1/4 W (3.4) 5% TA52
		R311	0RN1002F409	10K 1/6W 1 TA52
		R312	0RD0472Q609	47 1/4W(3 5% TA52
		R313	0RD1000Q609	100 1/4W(3 5% TA52
		R314	0RD1001Q609	1K 1/4W(3 5% TA52
		R315	0RD1000Q609	100 1/4W(3 5% TA52
		R316	0RD1000Q609	100 1/4W(3 5% TA52
		R317	0RD1002Q609	10K 1/4W(3 5% TA52
		R318	0RD1001Q609	1K 1/4W(3 5% TA52
		R319	0RD1000Q609	100 1/4W(3 5% TA52
		R320	0RD1000Q609	100 1/4W(3 5% TA52
		R321	0RD1002Q609	10K 1/4W(3 5% TA52
		R322	0RD1501Q609	1.50K 1/4W(3 5% TA52
		R323	0RD1102Q609	11K 1/4W(3 5% TA52
		R324	0RD1000Q609	100 1/4W(3 5% TA52
		R325	0RD1002Q609	10K 1/4W(3 5% TA52
		R326	0RD1000Q609	100 1/4W(3 5% TA52
		R327	0RD2201Q609	2.20K 1/4W(3 5% TA52
		R328	0RD2201Q609	2.20K 1/4W(3 5% TA52
		R329	0RD2201Q609	2.20K 1/4W(3 5% TA52
		R330	0RD1001Q609	1K 1/4W(3 5% TA52
		R331	0RD0472Q609	47 1/4W(3 5% TA52
		R332	0RD0472Q609	47 1/4W(3 5% TA52
		R333	0RD0472Q609	47 1/4W(3 5% TA52
		R334	0RD1000Q609	100 1/4W(3 5% TA52

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R335	0RD1000Q609	100 1/4W(3 5% TA52
		R336	0RD1500Q609	150 1/4W(3 5% TA52
		R337	0RD1800Q609	180 1/4W(3 5% TA52
		R338	0RD1200Q609	120 1/4W(3 5% TA52
		R339	0RD1004Q609	1M OHM 1/4 W (3.4) 5% TA52
		R340	0RD1004Q609	1M OHM 1/4 W (3.4) 5% TA52
		R341	0RD1004Q609	1M OHM 1/4 W (3.4) 5% TA52
		R342	0RD0332A609	33 OHM 1/2 W (7.0) 5% TA52
		R343	0RD0332A609	33 OHM 1/2 W (7.0) 5% TA52
		R344	0RD0332A609	33 OHM 1/2 W (7.0) 5% TA52
		R347	0RD1000Q609	100 1/4W(3 5% TA52
		R359	0RD0102Q609	10 1/4W(3 5% TA52
		R401	0RD3300Q609	330 1/4W(3 5% TA52
		R402	0RD1000Q609	100 1/4W(3 5% TA52
		R405	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R406	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R407	0RD1000Q609	100 1/4W(3 5% TA52
		R412	0RD1000Q609	100 1/4W(3 5% TA52
		R413	0RD2202Q609	22K 1/4W(3 5% TA52
		R414	0RD2202Q609	22K 1/4W(3 5% TA52
		R415	0RD2202Q609	22K 1/4W(3 5% TA52
		R416	0RD2202Q609	22K 1/4W(3 5% TA52
		R419	0RN4701F409	4.70K 1/6W 1% TA52
		R420	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R421	0RD2001Q609	2K 1/4W(3 5% TA52
		R422	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R423	0RD1000Q609	100 1/4W(3 5% TA52
		R424	0RN2001F409	2K 1/6W 1% TA52
		R425	0RD2001Q609	2K 1/4W(3 5% TA52
		R426	0RD2001Q609	2K 1/4W(3 5% TA52
		R427	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R428	0RD1000Q609	100 1/4W(3 5% TA52
		R429	0RD1000Q609	100 1/4W(3 5% TA52
		R430	0RD1801Q609	1.80K 1/4W(3 5% TA52
		R431	0RD1801Q609	1.80K 1/4W(3 5% TA52
		R432	0RD1301Q609	1.30K 1/4W(3 5% TA52
		R440	0RD1000Q609	100 1/4W(3 5% TA52
		R443	0RD1001Q609	1K 1/4W(3 5% TA52
		R451	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R452	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R453	0RD1500Q609	150 1/4W(3 5% TA52
		R454	0RD6201Q609	6.20K 1/4W(3 5% TA52
		R455	0RN0270G609	0.27 1/4W 5 TA52
		R456	0RD0622A609	62 OHM 1/2 W (7.0) 5% TA52
		R457	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R458	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R459	0RD1500Q609	150 1/4W(3 5% TA52
		R460	0RD8201Q609	8.20K 1/4W(3 5% TA52
		R461	0RD8201Q609	8.20K 1/4W(3 5% TA52
		R462	0RD1500Q609	150 1/4W(3 5% TA52
		R463	0RD2201Q609	2.20K 1/4W(3 5% TA52
		R464	0RX0472K607	47 OHM 2 W 5% TA62
		R465	0RD1001Q609	1K 1/4W(3 5% TA52
		R473	0RD1004Q609	1M OHM 1/4 W (3.4) 5% TA52
		R493	0RD1000Q609	100 1/4W(3 5% TA52
		R494	0RD1000Q609	100 1/4W(3 5% TA52
		R501	0RH1502D622	15K 1/10W 5 D.R/TP

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R502	0RH1502D622	15K 1/10W 5 D.R/TP
		R503	0RH1502D622	15K 1/10W 5 D.R/TP
		R504	0RH0222D622	22 1/10W 5 D.R/TP
		R505	0RH0222D622	22 1/10W 5 D.R/TP
		R506	0RH0222D622	22 1/10W 5 D.R/TP
		R507	0RH1502D622	15K 1/10W 5 D.R/TP
		R508	0RH0222D622	22 1/10W 5 D.R/TP
		R509	0RH0222D622	22 1/10W 5 D.R/TP
		R511	0RH1502D622	15K 1/10W 5 D.R/TP
		R512	0RH1502D622	15K 1/10W 5 D.R/TP
		R513	0RH1502D622	15K 1/10W 5 D.R/TP
		R514	0RH1502D622	15K 1/10W 5 D.R/TP
		R515	0RH1502D622	15K 1/10W 5 D.R/TP
		R516	0RH1502D622	15K 1/10W 5 D.R/TP
		R517	0RH0222D622	22 1/10W 5 D.R/TP
		R518	0RH1502D622	15K 1/10W 5 D.R/TP
		R519	0RH1502D622	15K 1/10W 5 D.R/TP
		R520	0RH1502D622	15K 1/10W 5 D.R/TP
		R521	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00% D
		R522	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R522	0RH0222D622	22 1/10W 5 D.R/TP
		R523	0RH1502D622	15K 1/10W 5 D.R/TP
		R525	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00% D
		R527	0RH1502D622	15K 1/10W 5 D.R/TP
		R528	0RH0222D622	22 1/10W 5 D.R/TP
		R529	0RH1002D622	10K OHM 1 / 10 W 2012 5.00% D
		R531	0RH0101D622	1.0 1/10W 5 TA
		R532	0RH1502D622	15K 1/10W 5 D.R/TP
		R533	0RH0222D622	22 1/10W 5 D.R/TP
		R534	0RH0222D622	22 1/10W 5 D.R/TP
		R567	0RD1001Q609	1K 1/4W(3 5% TA52
		R601	0RN5601F409	5.60K 1/6W 1% TA52
		R602	0RN2201F409	2.20K 1/6W 1% TA52
		R603	0RN9101F409	9.10K 1/6W 1% TA52
		R604	0RN1802F409	18K 1/6W 1% TA52
		R605	0RN8201F409	8.20K 1/6W 1% TA52
		R606	0RN1801F409	1.80K 1/6W 1% TA52
		R607	0RD1800A609	180 OHM 1/2 W (7.0) 5% TA52
		R608	0RD0151A609	1.5 OHM 1/2 W (7.0) 5% TA52
		R609	0RN0101H409	1.0 1/2W 1 TA52
		R615	0RD2001Q609	2K 1/4W(3 5% TA52
		R616	0RD3001Q609	3K 1/4W(3 5% TA52
		R617	0RD4700Q609	470 OHM 1/4 W (3.4) 5% TA52
		R618	0RD1002Q609	10K 1/4W(3 5% TA52
		R619	0RD1001Q609	1K 1/4W(3 5% TA52
		R620	0RD0152Q609	15 1/4W(3 5% TA52
		R701	0RMZTWD001C	47 OHM 7 W 5% RWR PD-TYPE
		R702	0RD1002Q609	10K 1/4W(3 5% TA52
		R703	0RD3301Q609	3.30K 1/4W(3 5% TA52
		R704	0RD2201Q609	2.20K 1/4W(3 5% TA52
		R705	0RB0150K609	0.15 OHM 2 W 5% TA52
		R706	0RD1003Q609	100K 1/4W(3 5% TA52
		R707	0RD5601Q609	5.60K 1/4W(3 5% TA52
		R710	0RD0472Q609	47 1/4W(3 5% TA52
		R711	0RN1502F409	15K 1/6W 1% TA52
		R712	0RD1003Q609	100K 1/4W(3 5% TA52
		R713	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R714	0RD1001Q609	1K 1/4W(3 5% TA52
		R716	0RD1004Q609	1M OHM 1/4 W (3.4) 5% TA52
		R717	0RD1000Q609	100 1/4W(3 5% TA52
		R718	0RN0111H509	1.1 OHM 1/2 W 2.00% TA52
		R719	0RD0332Q609	33 1/4W(3 5% TA52
		R730	0RD4702Q609	47K 1/4W(3 5% TA52
		R731	0RD1000Q609	100 1/4W(3 5% TA52
		R732	0RD1001Q609	1K 1/4W(3 5% TA52
		R733	0RD1802Q609	18K 1/4W(3 5% TA52
		R734	0RD2001Q609	2K 1/4W(3 5% TA52
		R735	0RD5601Q609	5.60K 1/4W(3 5% TA52
		R736	0RX1001K607	1K OHM 2 W 5.00% TA62
		R737	0RD1004A609	1.0M OHM 1/2 W (7.0) 5% TA52
		R738	0RD3601Q609	3.60K 1/4W(3 5% TA52
		R739	0RD3300Q609	330 1/4W(3 5% TA52
⚠		R740	0RN1503G409	150K 1/4W 1 TA52
		R743	0RX1303K607	130K OHM 2 W 5.00% TA62
		R744	0RX1303K607	130K OHM 2 W 5.00% TA62
		R745	0RD0751Q609	7.5 OHM 1/4 W (3.4) 5% TA52
		R746	0RX1502J609	15KOHM 1 W 5% TA52
		R747	0RD3001A609	3.0K OHM 1/2 W (7.0) 5% TA52
		R748	0RD3300Q609	330 1/4W(3 5% TA52
		R749	0RD5600Q609	560 1/4W(3 5% TA52
		R750	0RN3602F409	36K 1/6W 1 TA52
		R751	0RD2000Q609	200 1/4W(3 5% TA52
		R764	0RD0472Q609	47 1/4W(3 5% TA52
		R771	0RD1101Q609	1.1K OHM 1/4 W (3.4) 5% TA52
		R773	0RD6202A609	62K OHM 1/2 W (7.0) 5% TA52
		R774	0RD4302Q609	43K 1/4W(3 5% TA52
		R775	0RD3300Q609	330 1/4W(3 5% TA52
		R776	0RD7502Q609	75K 1/4W(3 5% TA52
		R780	0RD1001Q609	1K 1/4W(3 5% TA52
		R801	0RD1502Q609	15K 1/4W(3 5% TA52
		R802	0RN2202F409	22K 1/6W 1% TA52
		R803	0RD3302Q609	33K 1/4W(3 5% TA52
		R805	0RD1002Q609	10K 1/4W(3 5% TA52
		R806	0RD1002Q609	10K 1/4W(3 5% TA52
		R807	0RD1001Q609	1K 1/4W(3 5% TA52
		R808	0RD1001Q609	1K 1/4W(3 5% TA52
		R809	0RN3902F409	39K 1/6W 1% TA52
		R810	0RD1001Q609	1K 1/4W(3 5% TA52
		R811	0RD1001Q609	1K 1/4W(3 5% TA52
		R812	0RD2201Q609	2.20K 1/4W(3 5% TA52
		R813	0RD2401Q609	2.40K 1/4W(3 5% TA52
⚠		R814	0RN1202F409	12K 1/6W 1% TA52
		R815	0RN4700F409	470 1/6W 1 TA52
		R818	0RD2701Q609	2.70K 1/4W(3 5% TA52
⚠		R822	0RN3601F409	3.6K 1/6W 1 TA52
		R823	0RD2703Q609	270K 1/4W(3 5% TA52
⚠		R824	0RN4700F409	470 1/6W 1 TA52
⚠		R825	0RN1002F409	10K 1/6W 1 TA52
⚠		R826	0RN1002F409	10K 1/6W 1 TA52
		R827	0RN1002F409	10K 1/6W 1 TA52
		R830	0RD1002Q609	10K 1/4W(3 5% TA52
⚠		R831	0RN1102F409	11K 1/6W 1% TA52
		R835	0RD4700Q609	470 OHM 1/4 W (3.4) 5% TA52
		R836	0RD1002A609	10K OHM 1/2 W (7.0) 5% TA52

DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R837	0RN1202F409	12K 1/6W 1% TA52
		R838	0RD0101Q609	1 1/4W(3 5% TA52
		R841	0RD5601Q609	5.60K 1/4W(3 5% TA52
		R842	0RMZTWD001A	4.7 OHM 5 W 5% B RWR
		R843	0RX1003J609	100KOHM 1 W 5% TA52
		R846	0RD0332A609	33 OHM 1/2 W (7.0) 5% TA52
		R847	0RD1000A609	100 OHM 1/2 W (7.0) 5% TA52
		R848	0RD0471A609	4.7 OHM 1/2 W (7.0) 5% TA52
		R849	0RX1300J609	130 OHM 1 W 5% TA52
		R850	0RMZTWD001C	47 OHM 7 W 5% RWR PD-TYPE
		R851	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R853	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R855	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R857	0RD3001Q609	3K 1/4W(3 5% TA52
		R859	0RD0102Q609	10 1/4W(3 5% TA52
		R860	0RD2000Q609	200 1/4W(3 5% TA52
		R861	180-465Y	RWR 1.2OHM 7W.(V-TYPE)
		R862	0RN0390J607	0.39 1W 5% TA62
		R871	0RX1800K607	180 OHM 2 W 5% TA62
		R872	0RD2401Q609	2.40K 1/4W(3 5% TA52
		R873	0RD0122A609	12 OHM 1/2 W (7.0) 5% TA52
		R874	0RX0332K607	33 OHM 2 W 5% TA62
		R875	0RX0432K607	43 OHM 2 W 5% TA62
		R876	0RN3002F409	30K 1/6W 1% TA52
		R891	0RN2701F409	2.70K 1/6W 1% TA52
		R892	0RN6800F409	680 1/6W 1% TA52
		R893	0RD3301Q609	3.30K 1/4W(3 5% TA52
		R894	0RN2202F409	22K 1/6W 1% TA52
		R895	0RD1000Q609	100 1/4W(3 5% TA52
		R896	0RD1000Q609	100 1/4W(3 5% TA52
		R901	180-465H	0.24 OHM 5W 5% **(NON PFC)**
		R902	0RD0472Q609	47 1/4W(3 5% TA52
		R903	0RD0752Q609	75 1/4W(3 5% TA52
		R905	0RX4702K665	47K OHM 2 W 5% SF
		R908	0RN0220H609	0.22 1/2W 5% TA52
		R909	0RD1002Q609	10K 1/4W(3 5% TA52
⚠		R910	0RD1802Q609	18K 1/4W(3 5% TA52
⚠		R911	0RN6800F409	680 1/6W 1% TA52
		R912	0RD1001Q609	1K 1/4W(3 5% TA52
		R913	0RB0120K607	0.12 OHM 2 W 5% TA62
		R914	0RD1500Q609	150 1/4W(3 5% TA52
		R915	0RD8203Q609	820KOHM 1/4 W (3.4) 5% TA52
		R916	0RD8203Q609	820KOHM 1/4 W (3.4) 5% TA52
		R917	0RD1000Q609	100 1/4W(3 5% TA52
		R918	0RD1003Q609	100K 1/4W(3 5% TA52
		R919	0RD2002Q609	20K 1/4W(3 5% TA52
		R920	0RD0332Q609	33 1/4W(3 5% TA52
		R921	0RD0332Q609	33 1/4W(3 5% TA52
		R922	0RD5101Q609	5.10K 1/4W(3 5% TA52
		R924	0RD1500Q609	150 1/4W(3 5% TA52
		R925	0RD1001Q609	1K 1/4W(3 5% TA52
		R926	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R928	0RX0331K607	3.3 OHM 2 W 5% TA62
		R941	0RD2703A609	270K OHM 1/2 W (7.0) 5% TA52
		R942	971-0054	TIN 50MM TAPING
		R949	0RN0220H609	0.22 1/2W 5% TA52
		R950	0RD1002Q609	10K 1/4W(3 5% TA52

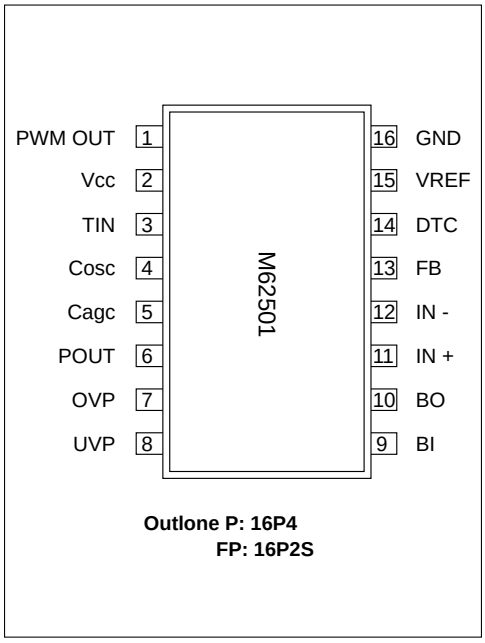
DATE: 2002. 5. 14.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R951	0RD1101A609	1.1K OHM 1/2 W (7.0) 5% TA52
		R952	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R953	0RD1002Q609	10K 1/4W(3 5% TA52
		R954	0RD4700A609	470 OHM 1/2 W (7.0) 5% TA52
		R955	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R961	0RD3900Q609	390 1/4W(3 5% TA52
		R970	0RX4702K607	47KOHM 2 W 5% TA62
		R971	0RD2703Q609	270K 1/4W(3 5% TA52
		R972	0RD2703Q609	270K 1/4W(3 5% TA52
		R973	0RD0392Q609	39 1/4W(3 5% TA52
		R974	0RB0101J609	1 OHM 1 W 5% TA52
		R975	0RD0222Q609	22 1/4W(3 5% TA52
		R976	0RD1000Q609	100 1/4W(3 5% TA52
		R977	0RD4701Q609	4.70K 1/4W(3 5% TA52
		R978	0RN1501F409	1.5K 1/6W 1 TA52
		R979	0RN1501F409	1.5K 1/6W 1 TA52
		R981	0RD1001Q609	1K 1/4W(3 5% TA52
		R990	0RD0512Q609	51 1/4W(3 5% TA52
		R991	0RD5101Q609	5.10K 1/4W(3 5% TA52
		R992	0RD5101Q609	5.10K 1/4W(3 5% TA52
		OTHERs		
		F901	0FZZTTH001B	TIME LAG HBC 5A/250V,215 005,L
		J113	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A
		J313	0RD0152Q609	15 1/4W(3 5% TA52
		J331	0RD0152Q609	15 1/4W(3 5% TA52
		J332	0RD0152Q609	15 1/4W(3 5% TA52
		J43	0RD4700Q609	470 OHM 1/4 W (3.4) 5% TA52
		J82	125-155J	BFS2550A0FG SAMWHA 2.5*5.0MM A
		RL901	6920TBB006A	DY3M-DC12V DONGYANG 250VAC 5A
		SC301	6620TBD003A	PCS701E PARK ELEC. 10PIN 14/36
		SC901	6200TJB001H	02MD1 DELTA BK W/O GND
		SG301	6918TAT005E	MTAS-201M GIGA AXIAL TAPING
		SG302	165-004A	AG20PT 152F-L3N/S-23 HANDOK RA
		SG303	6918TAT005E	MTAS-201M GIGA AXIAL TAPING
		SG304	6918TAT005E	MTAS-201M GIGA AXIAL TAPING
		SG305	6918TAT005E	MTAS-201M GIGA AXIAL TAPING
		SG701	165-004A	AG20PT 152F-L3N/S-23 HANDOK RA
		SW201	140-058D	SKHV10911A LGEC NON 12 20 HORI
		SW202	140-058D	SKHV10911A LGEC NON 12 20 HORI
		SW203	140-058D	SKHV10911A LGEC NON 12 20 HORI
		SW204	140-058D	SKHV10911A LGEC NON 12 20 HORI
		SW205	140-058D	SKHV10911A LGEC NON 12 20 HORI
		SW206	140-058D	SKHV10911A LGEC NON 12 20 HORI
		SW207	140-058D	SKHV10911A LGEC NON 12 20 HORI
		SW801	140-079C	SLS-1301 SW NON 30 0 HORIZENTA
⚠		T701	6174T13010C	"FQM19A008,EB990G SAMSUNG 19""""
		T801	6140TDZ009A	- GET EER2834,DUMMY,EB990G
		T802	6170TCZ008A	EE2218 1.3MH FB995C
		T901	6170TMZ130A	EER4445S 135UH V-18PIN EB990G
		T903	6170TMZ131A	EE2525F 820UH V-10PIN EB790G S
		TH901	6322TB4R51A	J503P61D4R5Q270S JAHWA 4.5 oh
		TH902	6322TA080AB	TP8D15 DAEWOO +/- 15% 110/220V **(NON PFC)**
		VR801	180-035Q	EVN-DJAA03B24 (MEC),20KB
		VR901	180-035C	EVN-DJAA03B22 (MEC),200B
		X401	6202TTB003B	HC-49/U HARMONY RADIAL 12MHZ 3
		X501	6202TTB001A	HC-49/U SUNNY E 6.000000MHZ 30

PIN CONFIGURATION

M62501P /FP

PIN CONFIGURATION(TOP VIEW)

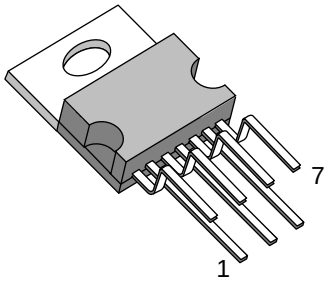


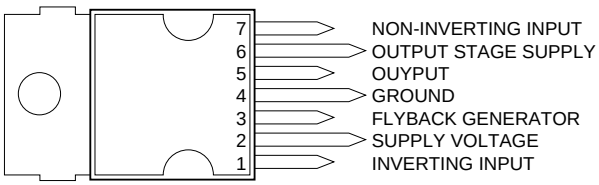
Outlone P: 16P4
FP: 16P2S

Teerminal Number and The facillty

PIN NO.	Symbol	Functional Description
1	PWM OUT	PWM output terminal
2	Vcc	Power supply terminal
3	TIN	Trigger Input terminal
4	CAGC	This pin is used to set oscillating frequency
5	CAGC	This pin is used for AGC setting
6	P.OUT	Output terminal of error signal
7	OVP	Input terminal of Over Voltage Protection
8	UVP	Input terminal of Under Voltage Protection
9	BI	Postive Input terminal of Buffer Amp
10	BO	Output terminal of Buffer Amp
11	IN^+	Postive Input terminal of OP Amp
12	IN^-	Negative Input terminal of OP Amp
13	FB	Output terminal of OP Amp
14	DTC	Dead time control terminal(Soft start function)
15	VREF	Output terminal of reference voltage (5V)
16	GND	Ground terminal

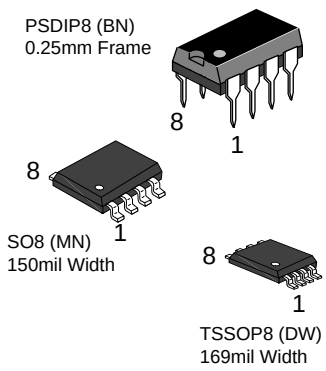
TDA8172 Vertical Deflection Output Circuit

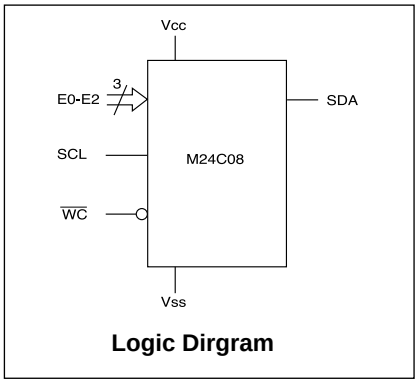




Pin Configuration

M24C08 Serial I^2C BUS EEPROM

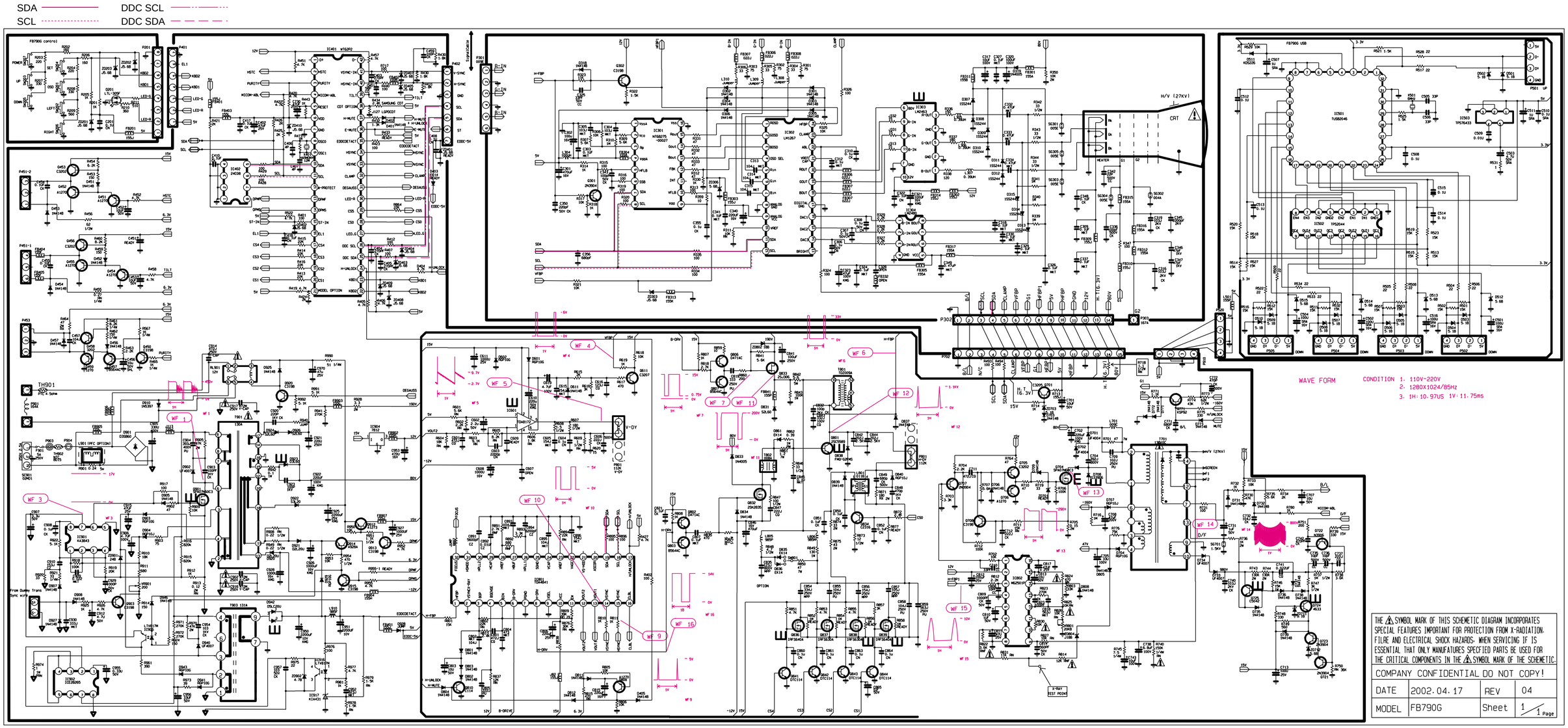




Logic Dirgram

SYMBOL	DESCRIPTION
E0-E2	Chip Enable Input
SDA	Serial Data Address Input/Output
SCL	Serial Clock
WC	Write Control
Vcc	Supply Voltage
Vss	Ground

SCHEMATIC DIAGRAM



NOTICE

Since this is a basic schematic diagram.
The value of components and some partial connection are
sucject to be changed for improvement without notice.