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COLOR MONITOR SERVICE MANUAL

MODEL: FLATRON E2260S (E2260S-PN**W**.A**NAP for LGD LM215WF4-TRA1)/
E2260T (E2260T-PN**W**.A**NAP for LGD LM215WF4-TRA1) **Sales Market

CAUTION

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



*To apply the **M-STAR Chip**.

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SPECIFICATIONS

E2260S&T

1. LCD CHARACTERISTICS

Type: Flat Panel Active matrix-TFT LCD
 Active Display Area: 21.5 inches/54.6 cm
 Pixel Pitch: 0.248(H) x 0.248 (V) mm
 Surface Treatment: Anti-Glare coating
 Resolution: Max: VESA 1920x1080@60Hz.
 Recommend: VESA 1920x1080@60Hz.

Video Input:

Signal Input: 15 pin D-Sub Connector;
 DVI-D Connector **(Only for E2260T)**

Input Form: RGB Analog (0.7 Vp-p/75 ohm)

Digital **(Only for E2260T)**

Plug&Play: DDC2AB (Analog)

DDC2B (Digital) **(Only for E2260T)**

2. POWER SUPPLY

2-1. Power: 12V==3.0A

2-2. Power Consumption

On Mode: 26W (Typ.)

Sleep Mode: ≤ 1 W

Off Mode: ≤ 0.5 W

3. Sync Input

Horizontal Freq. 30 kHz to 83 kHz (Automatic)

Vertical Freq. 56 Hz to 75 Hz (Automatic)

Input Form Separate Sync.

Digital **(Only for E2260T)**

4. ENVIRONMENT

4-1. Operating

Temperature: 10°C to 35°C

Humidity: 10 % to 80% non-Condensing

4-2. Storage

Temperature: -20°C to 60 °C

Humidity: 5 % to 90 % non-Condensing

5. DIMENSIONS (with Stand)

Width 50.88 cm (20.03 inch)

Height 39.24 cm (15.45 inch)

Depth 17.20 cm (6.77 inch)

DIMENSIONS (without Stand)

Width 50.88 cm (20.03 inch)

Height 38.74 cm (15.25 inch)

Depth 3.10 cm (1.22 inch)

6. WEIGHT (excl. packing)

Weight: 2.3 kg (5.07 lb)

PRECAUTION

WARNING FOR THE SAFETY-RELATED COMPONENT.

- There are some special components used in LCD monitor that are important for safety. **These parts are marked ⚠ on the schematic diagram and the Exploded View.** It is essential that these critical parts should be replaced with the manufacturer's specified parts to prevent electric shock, fire or other hazard.
- Do not modify original design without obtaining written permission from manufacturer or you will void the original parts and labor guarantee.

TAKE CARE DURING HANDLING THE LCD MODULE WITH BACKLIGHT UNIT.

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body are grounded through wrist band.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- The module not be exposed to the direct sunlight.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel become dirty, please wipe it off with a softmaterial. (Cleaning with a dirty or rough cloth may damage the panel.)

⚠ CAUTION

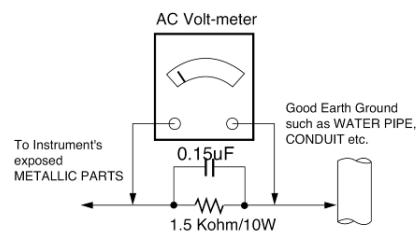
Please use only a plastic screwdriver to protect yourself from shock hazard during service operation.

⚠ WARNING

BE CAREFUL ELECTRIC SHOCK !

- If you want to replace with the new backlight (CCFL) or LIPS part, must disconnect the AC power because high voltage appears at inverter circuit about 650Vrms.
- Handle with care wires or connectors of the inverter circuit. If the wires are pressed cause short and may burn or take fire.

Leakage Current Hot Check Circuit



When 25A is impressed between Earth and 2nd Ground for 1 second, Resistance must be less than 0.1 Ω
*Base on Adjustment standard

• Replaceable batteries

* CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the **SAFETY PRECAUTIONS** on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
 - a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
 - b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
 - c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
 - d. Discharging the picture tube anode.
2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe.
Do not test high voltage by "drawing an arc".
3. Discharge the picture tube anode only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube anode button, using an insulating handle to avoid personal contact with high voltage.
4. Do not spray chemicals on or near this receiver or any of its assemblies.
5. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)
CAUTION: This is a flammable mixture.
Unless specified otherwise in this service manual, lubrication of contacts is not required.
6. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
8. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.
Always remove the test receiver ground lead last.

9. Use with this receiver only the test fixtures specified in this service manual.

CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices*. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range of 500° F to 600° F.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a small wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle.
Do not use freon-propelled spray-on cleaners.

5. Use the following unsoldering technique
 - a. Allow the soldering iron tip to reach normal temperature.
(500° F to 600° F)
 - b. Heat the component lead until the solder melts.
 - c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.

CAUTION: Work quickly to avoid overheating the circuitboard printed foil.

6. Use the following soldering technique.
 - a. Allow the soldering iron tip to reach a normal temperature (500° F to 600° F)
 - b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.
 - c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.

CAUTION: Work quickly to avoid overheating the circuit board printed foil.

- d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor

Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device

Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heat sink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heat sink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor

Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.

CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife.

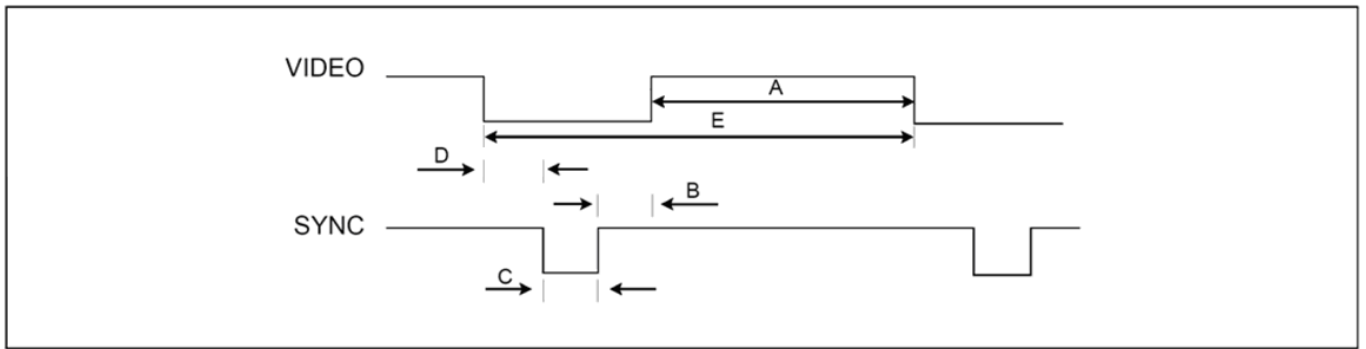
Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.

2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side.

Carefully crimp and solder the connections.

CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

TIMING CHART



E2260S&T

Display Modes (Resolution)		Horizontal Freq. (kHz)	Vertical Freq. (Hz)
1	720 x 400	31.468	70
2	640 x 480	31.469	60
3	640 x 480	37.500	75
4	800 x 600	37.879	60
5	800 x 600	46.875	75
6	1024 x 768	48.363	60
7	1024 x 768	60.123	75
8	1152 x 864	67.500	75
9	1280 x 1024	63.981	60
10	1280 x 1024	79.976	75
11	1680 x 1050	65.290	60
*12	1920 x 1080	67.500	60

*Recommend Mode

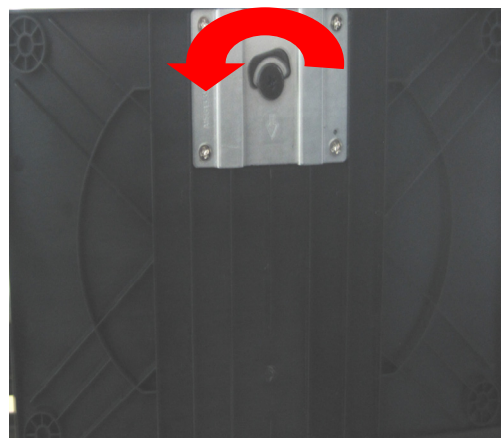
DISASSEMBLY-Set

#1



Put the monitor on a soft flat.

#2



Remove the base ass'y.
Turn the screw by using the screw handle.

#3



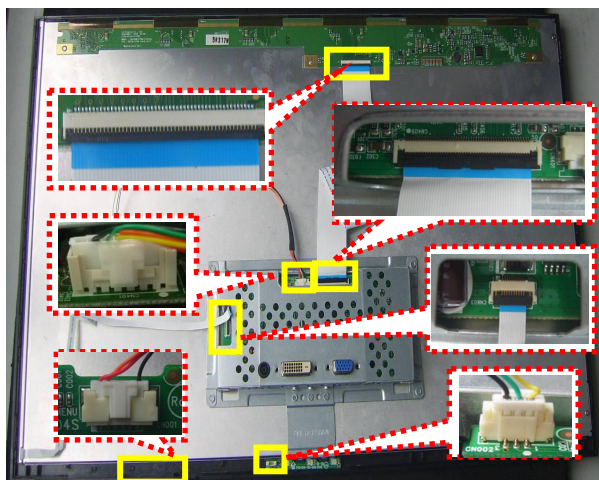
Remove the Rear Cover ass'y.

#4



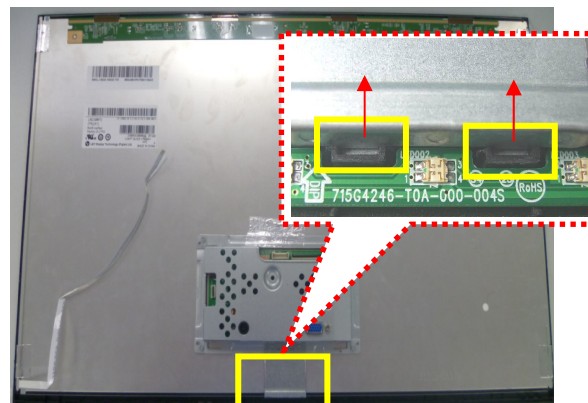
The Rear Cover ass'y.

#5



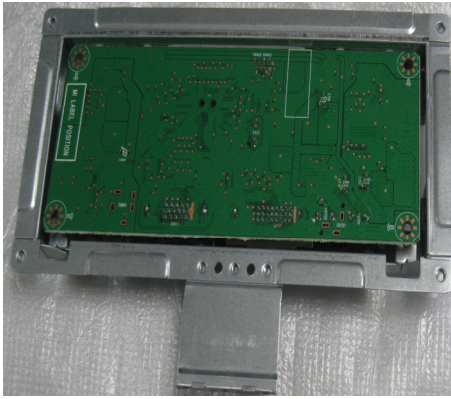
Disconnect all the wires/FFC cable.

#6



Remove the main frame.

#7



Main frame and main board.

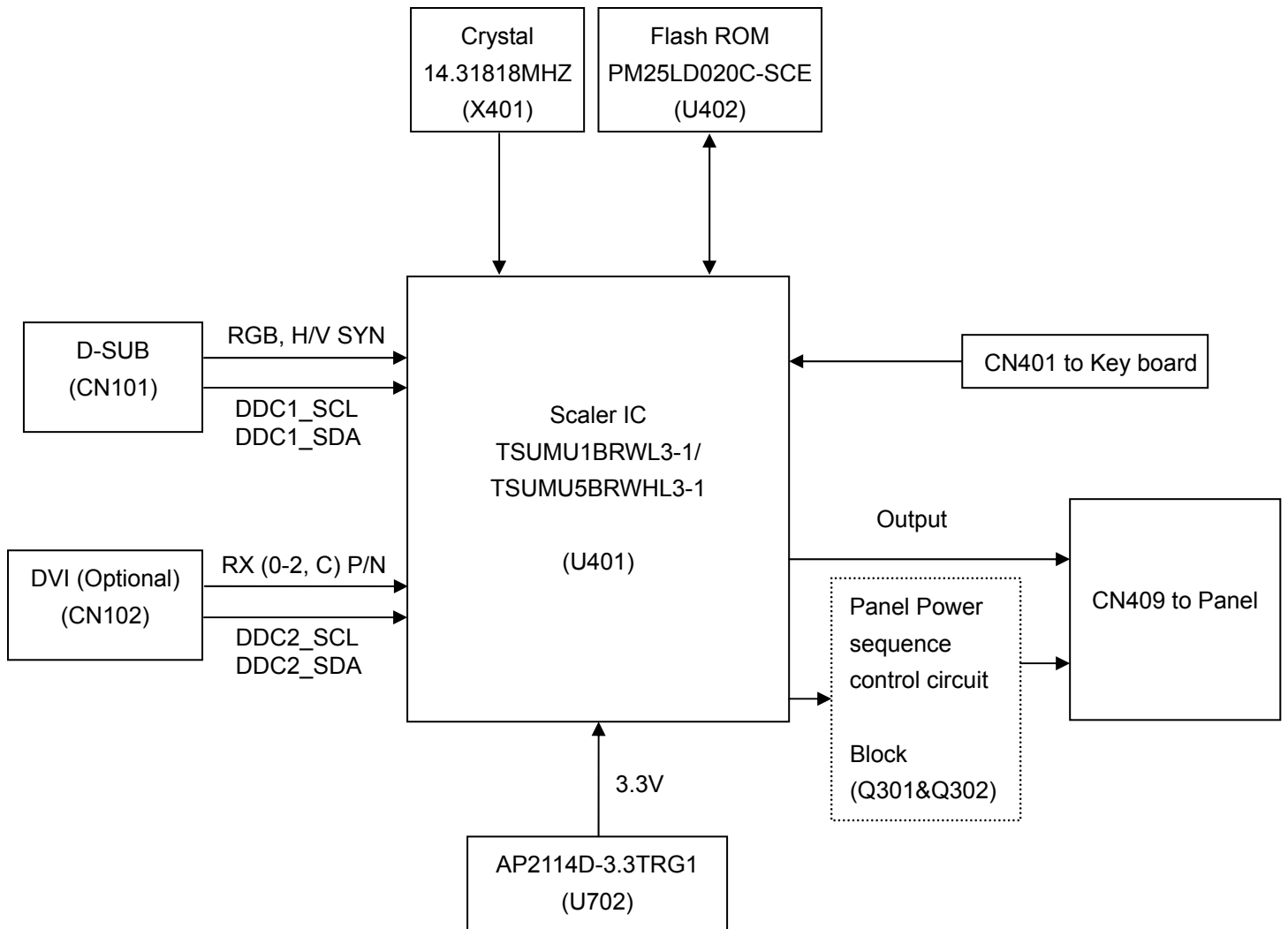
#8



The panel.

Note: DVI only for E2260T.

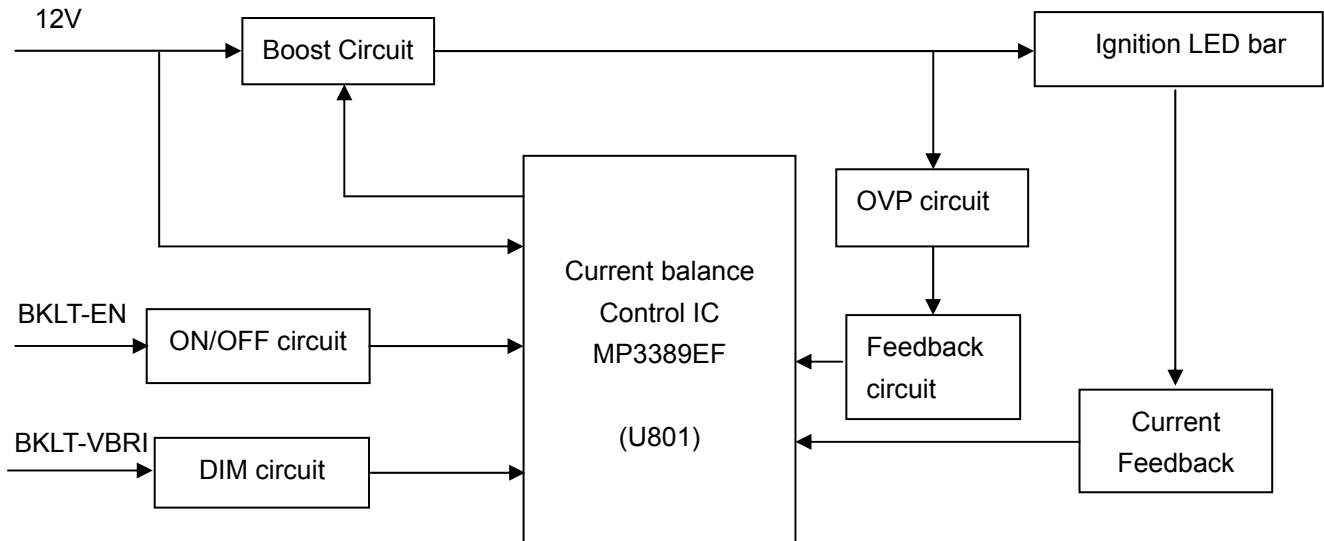
BLOCK DIAGRAM



Note: DVI only for E2260T.

CONVERTER BLOCK DIAGRAM

Converter



DESCRIPTION OF BLOCK DIAGRAM

1. Video Controller Part.

This part amplifies the level of video signal for the digital conversion and converts from the analog video signal to the digital video signal using a pixel clock.

The pixel clock for each mode is generated by the PLL.

The range of the pixel clock is from 25MHz to 149MHz.

This part consists of the Scalar, ADC converter, TMDS receiver.

The Scalar gets the video signal converted analog to digital, interpolates input to 1920 x 1080 resolution signal and outputs 8-bit R, G, B signal to transmitter.

2. Power Part.

This part consists of the one 3.3V regulators to convert power which is provided 12V in Adapter board, 12V is provided for convert circuit.

3. MICOM Part.

This part is including video controller part. And this part consists of Reset IC and the Micom.

The Micom distinguishes polarity and frequencies of the H/V sync are supplied from signal cable.

The controlled data of each mode is stored in scalar.

ADJUSTMENT

Windows EDID V1.0 User Manual

Operating System: DOS, windows98, 2000, XP

1. Parallel port setting

Enter your bios, and do as followings.

- Integrated peripheral
- Super IO Device
- Parallel port mode

you should set the "parallel port mode" to SPP for using the DOS EDID tool surely.

2. EDID Write

- Connect the signal line of monitor with DDC recorder.
- Choose the DDC RECORD program, and it shows on the screen, the choose the correct source base on the monitor.
- Click "LoadFile", then key in the **manufacturer name**, **model name**, **product code**, then choose the correct model name base on the monitor.(as Fig.2)
- Scan serial No. to DDC recorder by Bar Reader, then read again in the Verify SN.
- According to the message of DDC program, when the picture as fig.1 appears, it will show DDC record has finished.

E2260S (Analog only)

EDID2010.05.14

Help History Read

LoadFile... LCDDDC\L\LG\E2260 Flush Analog DVI Analog+DVI

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
01	00	FF	FF	FF	FF	FF	FF	00	1E	6D	DF	57	01	01	01	01
02	61	1C	01	03	6C	30	1B	78	EA	95	35	A1	59	57	9F	27
03	0E	50	54	A5	4B	00	B3	00	81	80	81	8F	71	4F	01	01
04	01	01	01	01	01	01	02	3A	80	18	71	38	2D	40	58	2C
05	45	00	DD	0C	11	00	00	1E	00	00	00	FD	00	38	4B	1E
06	53	0F	00	0A	20	20	20	20	20	20	00	00	FC	00	45	
07	32	32	36	30	0A	20	20	20	20	20	20	00	00	00	FF	
08	00	38	39	37	37	39	38	37	38	39	37	38	39	0A	00	65

Analog

Manufacturer : GSM Product Code : 57DF

Model Name : E2260

Monitor SN : 897798789789

Input: Analog Checksum 65

Digital

Manufacturer : Product Code :

Model Name :

Monitor SN :

Input: Checksum :

Time input

Year-Month-Day: -- -- Enter factory check model 计时器 0 S

Year: 2018 Week 97 Write SN 多个接口均通过ANALOG烧录 手动输入日期

Flash Type

Analog independence dependence DVI independence dependence

Analog: PASS!

Program

State Read A [Analog] Read Both [Analog+Digital] Read D [Digital]

Input SN

Verify SN 12

E2260T (Analog&DVI)

EDID2010.05.14

Help History Read

LoadFile... LCDDDC\L\LG\22GSM\E2260 Flush Analog DVI Analog+DVI

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
01	00	FF	FF	FF	FF	FF	FF	00	1E	6D	DF	57	01	01	01	01
02	17	15	01	03	6C	30	1B	78	EA	95	35	A1	59	57	9F	27
03	0E	50	54	A5	4B	00	B3	00	81	80	81	8F	71	4F	01	01
04	01	01	01	01	01	01	02	3A	80	18	71	38	2D	40	58	2C
05	45	00	DD	0C	11	00	00	1E	00	00	00	FD	00	38	4B	1E
06	53	0F	00	0A	20	20	20	20	20	20	00	00	FC	00	45	
07	32	32	36	30	0A	20	20	20	20	20	20	00	00	00	FF	
08	00	31	32	33	31	33	32	31	32	33	31	32	33	0A	00	FE

Analog
 Manufacturer : GSM Product Code : 57DF
 Model Name: E2260
 Monitor SN: 123132123123
 Input: Analog Checksum: FE

Digital
 Manufacturer : GSM Product Code: 57E0
 Model Name: E2260
 Monitor SN: 123132123123
 Input: Digital Checksum: E9

Flash Type
 Analog ☐ independence ☒ dependence
 DVI ☐ independence ☒ dependence

Time input
 Year-Month-Day: -- -- ☐ Enter factory ☐ check model 计时器 0 S
 Year: 2011 Week 23 ☐ Write SN ☒ 多个接口均通过ANALOG烧录 ☐ 手动输入日期

Analog: PASS! **DVI: PASS!**

Program
 State
 Input SN
 Verify SN 12
 Read A [Analog]
 Read Both [Analog+Digital]
 Read D [Digital]

Fig.1

Please check **Manufacturer Name, Vendor Assigned Code, Monitor Name, Serial Number**: *****[?????????*****]
 (it must be the same as Bar Code), **Week of Manufacture**: **, **Year of Manufacture**: ****, **Checksum**: ** (It must be the same as the last byte of data table, as follows picture shows). Above of all must be right, then if it shows the green "PASS", it means record succeeds, the red "Fail" means record fails; Then check the power supply and signal line, and ensure they are connected well, then do DDC record again from the third step.

E2260S (Analog only)

Select

☒ Analog ☐ Digital ☐ HDMI

Next
Cancel

Analog
 Manufacturer : GSM Product Code : 57DF
 Model Name: E2260

Digital
 Manufacturer : Product Code:
 Model Name:

E2260T (Analog&DVI)

The image shows a Windows-style dialog box titled "Select" with a close button (X) in the top right corner. Inside the dialog, there are three checkboxes: "Analog" (checked), "Digital" (checked), and "HDMI" (unchecked). Below these, there are two sections: "Analog" and "Digital". Each section contains three input fields: "Manufacturer" (GSM), "Product Code" (57DF for Analog, 57E0 for Digital), and "Model Name" (E2260). To the right of the input fields, there are two buttons: "Next" and "Cancel".

Select

☒ Analog ☒ Digital ☐ HDMI

Analog

Manufacturer : GSM Product Code : 57DF

Model Name: E2260

Digital

Manufacturer : GSM Product Code: 57E0

Model Name: E2260

Next

Cancel

Fig.2

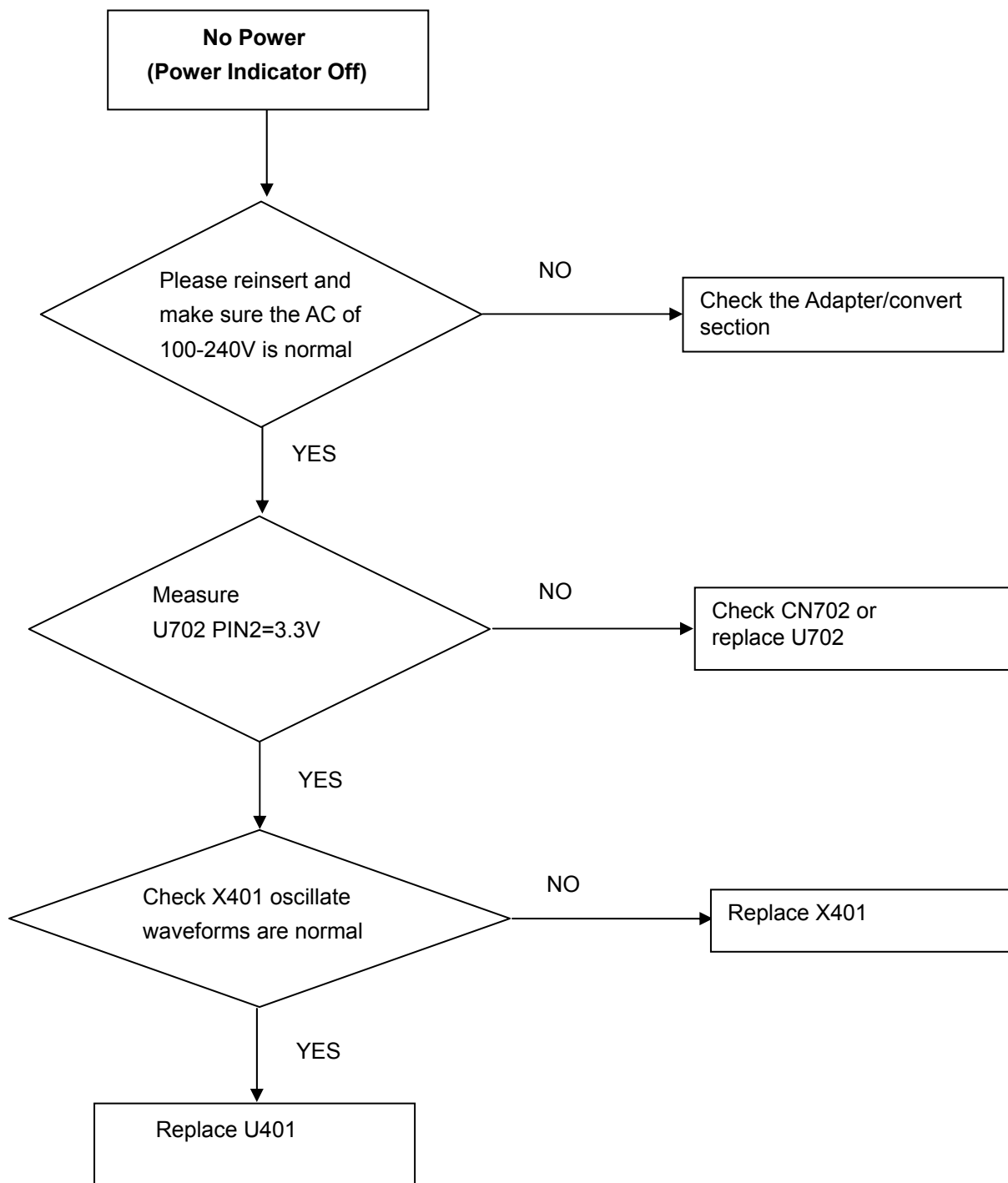
SERVICE MODE

- 1) Turn off the power switch at the front side of the display.
- 2) Press **MODE**, **POWER** switch with 1 second interval, press **MENU**.
- 3) The **SVC OSD** menu contains additional menus that the **User OSD** menu as described below.

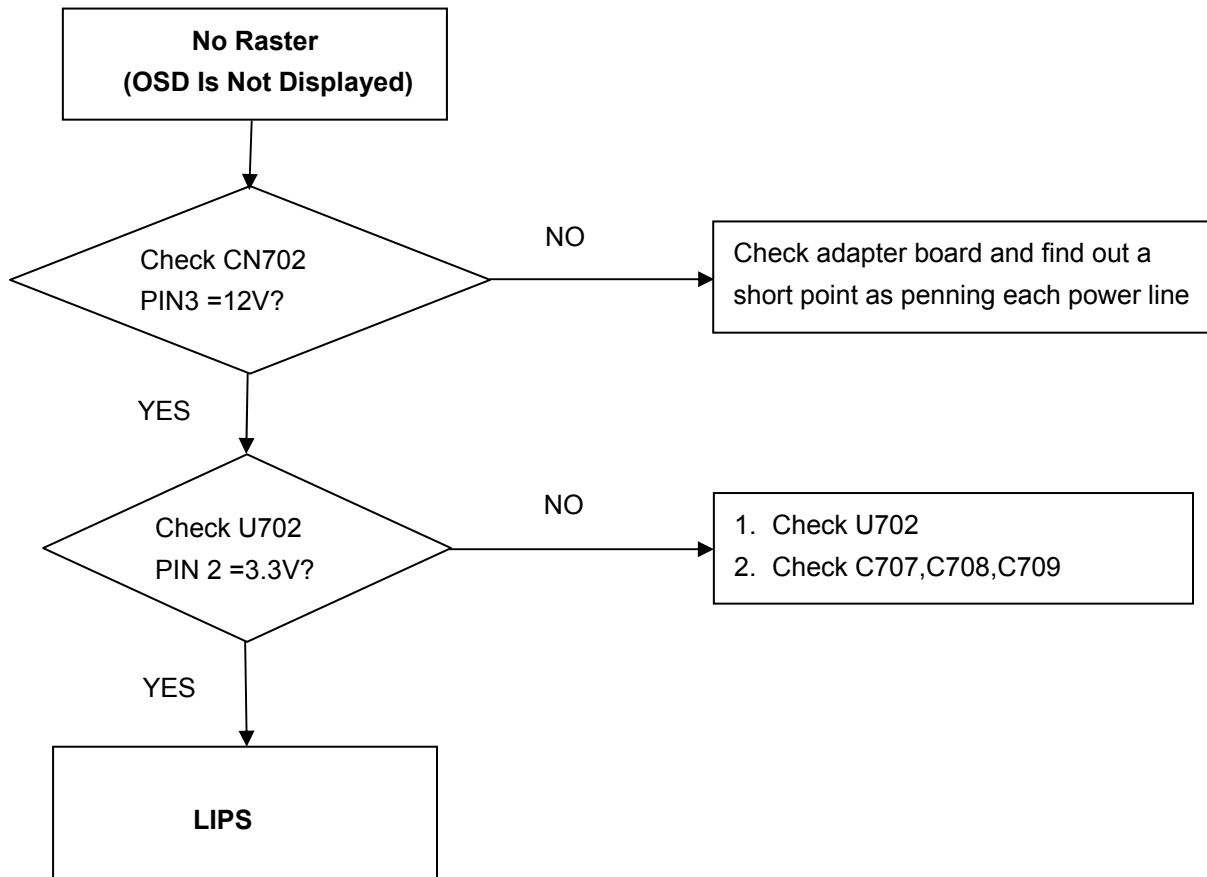
- a) CLEAA ETI: NO
- b) Auto Color: NO
- c) AGING: Select Aging mode (on/off).
- d) PANEL: Used panel type
- e) NVRAM INIT: NO
- f) R/G/B-9300K: Allows you to set the R/G/B-9300K value manually.
- g) R/G/B-6500K: Allows you to set the R/G/B-6500K value manually.
- h) R/G/B-Offset: Allows you to set the R/G/B-Offset value manually. (Analog Only)
- i) R/G/B-Gain: Allows you to set the R/G/B-Gain value manually. (Analog Only)
- e) R/G/B-sRGB: Allows you to set the R/G/B- sRGB value manually.

TROUBLESHOOTING GUIDE

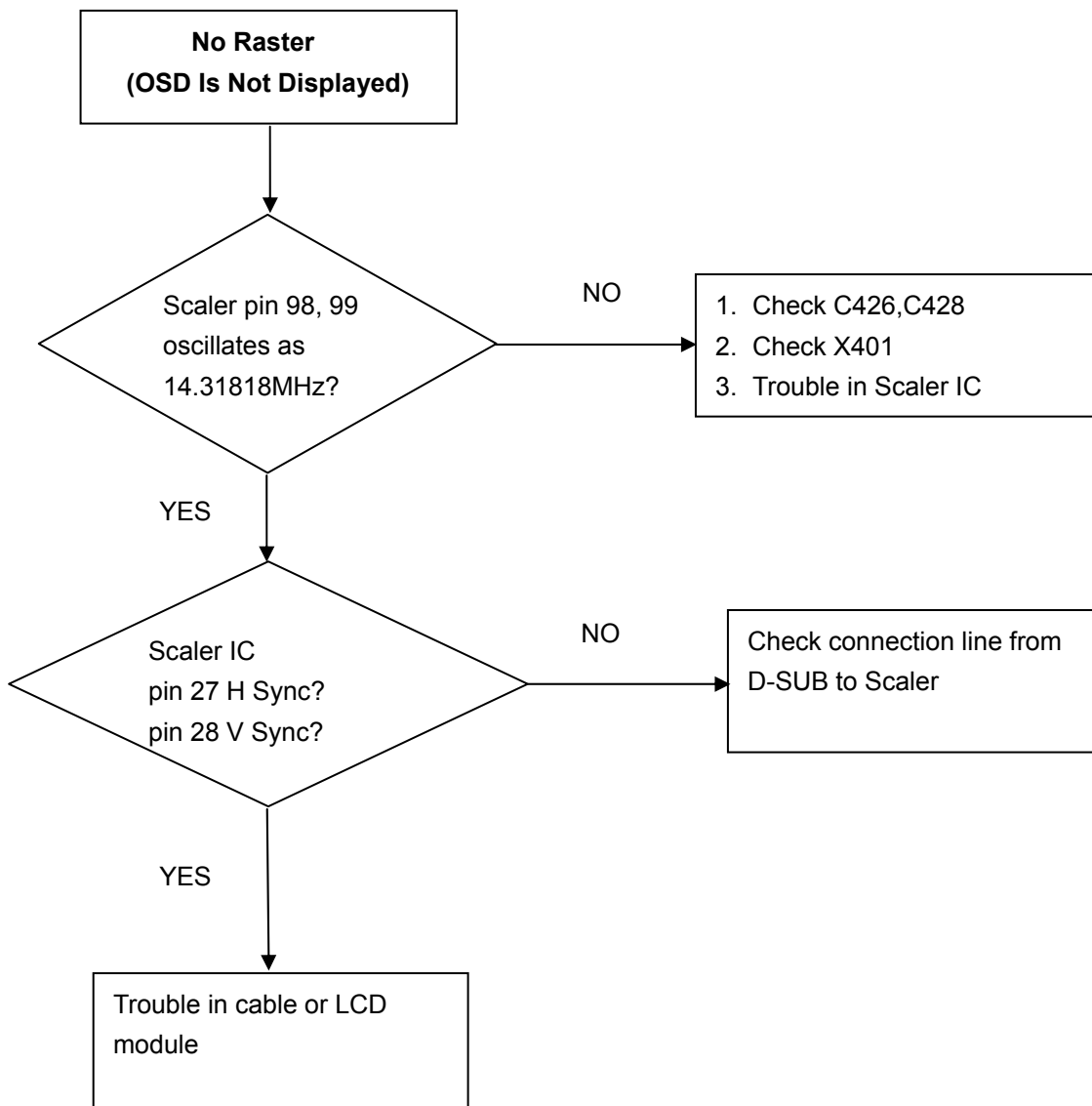
1. NO POWER



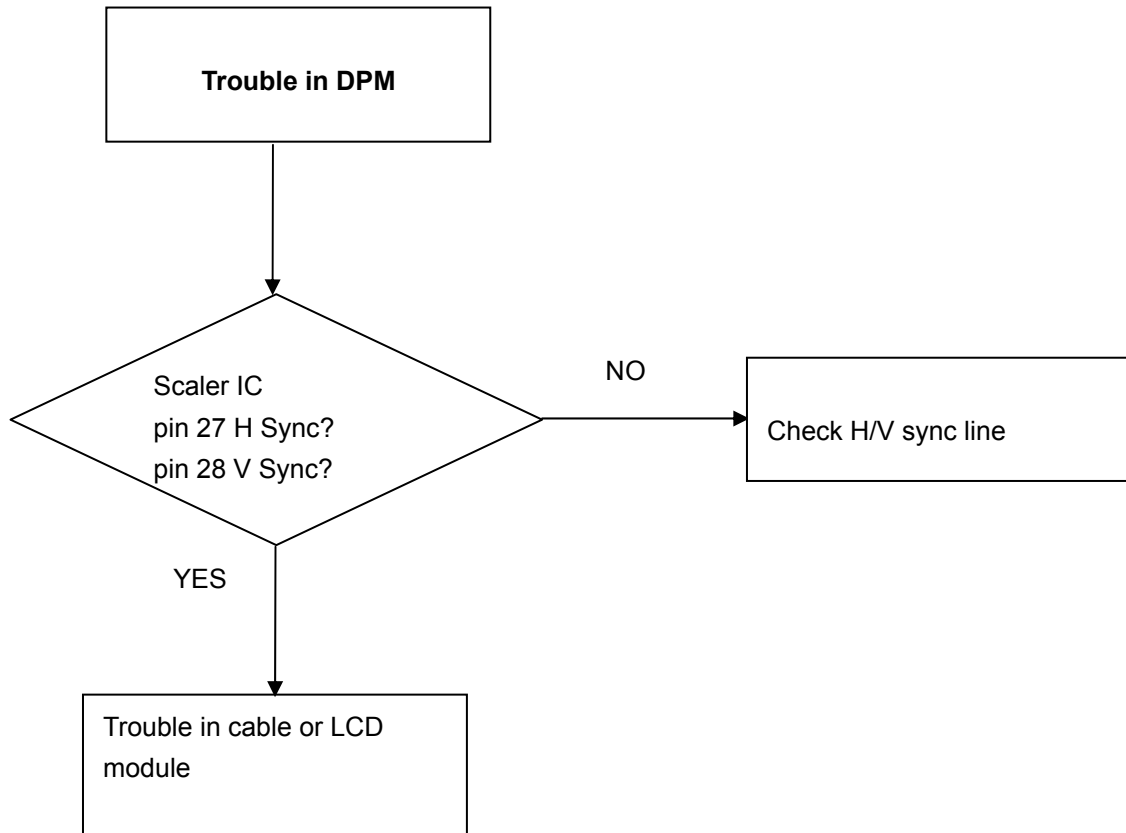
2. NO RASTER (OSD IS NOT DISPLAY)-LIPS



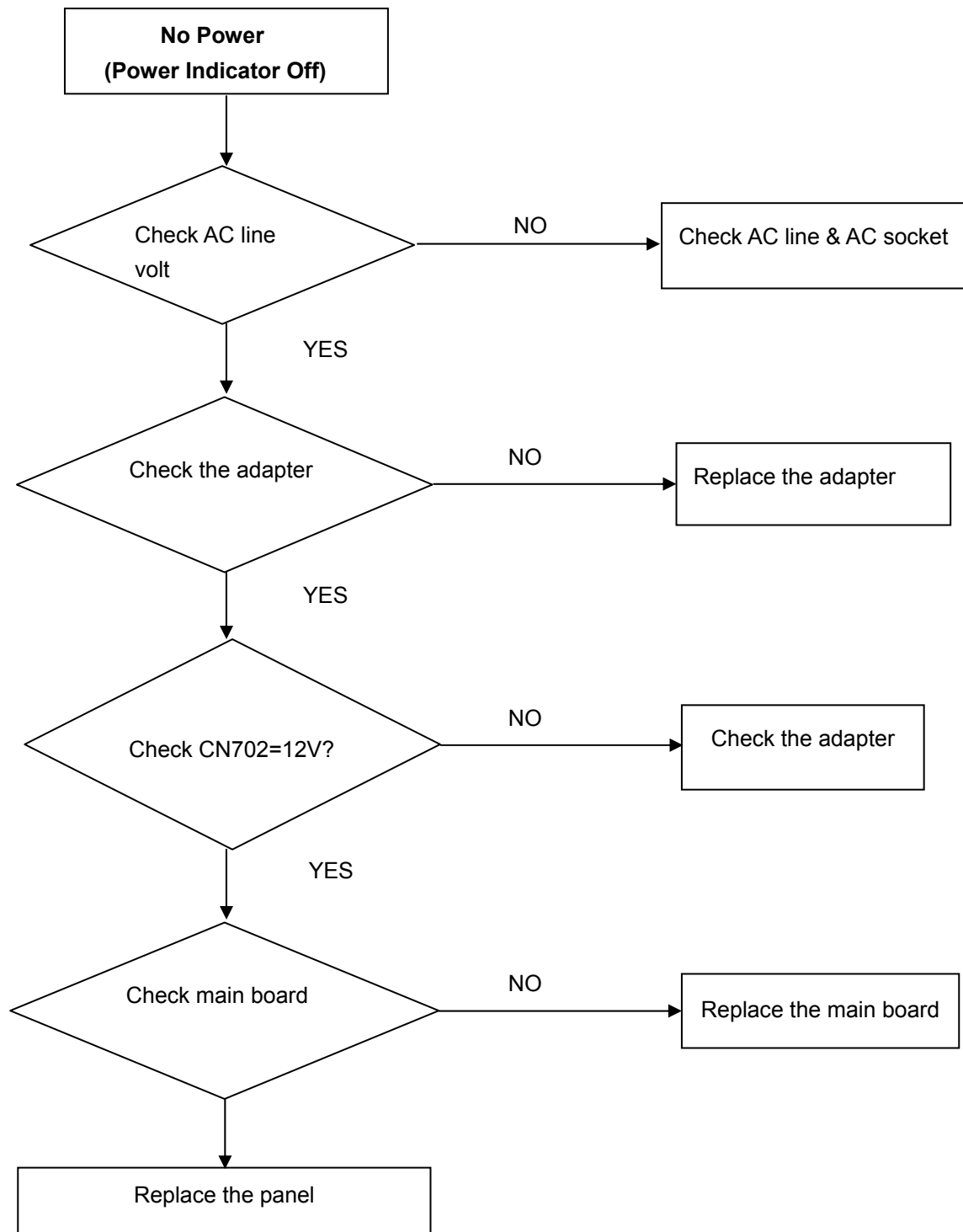
3. NO RASTER (OSD IS NOT DISPLAY)-MSTAR



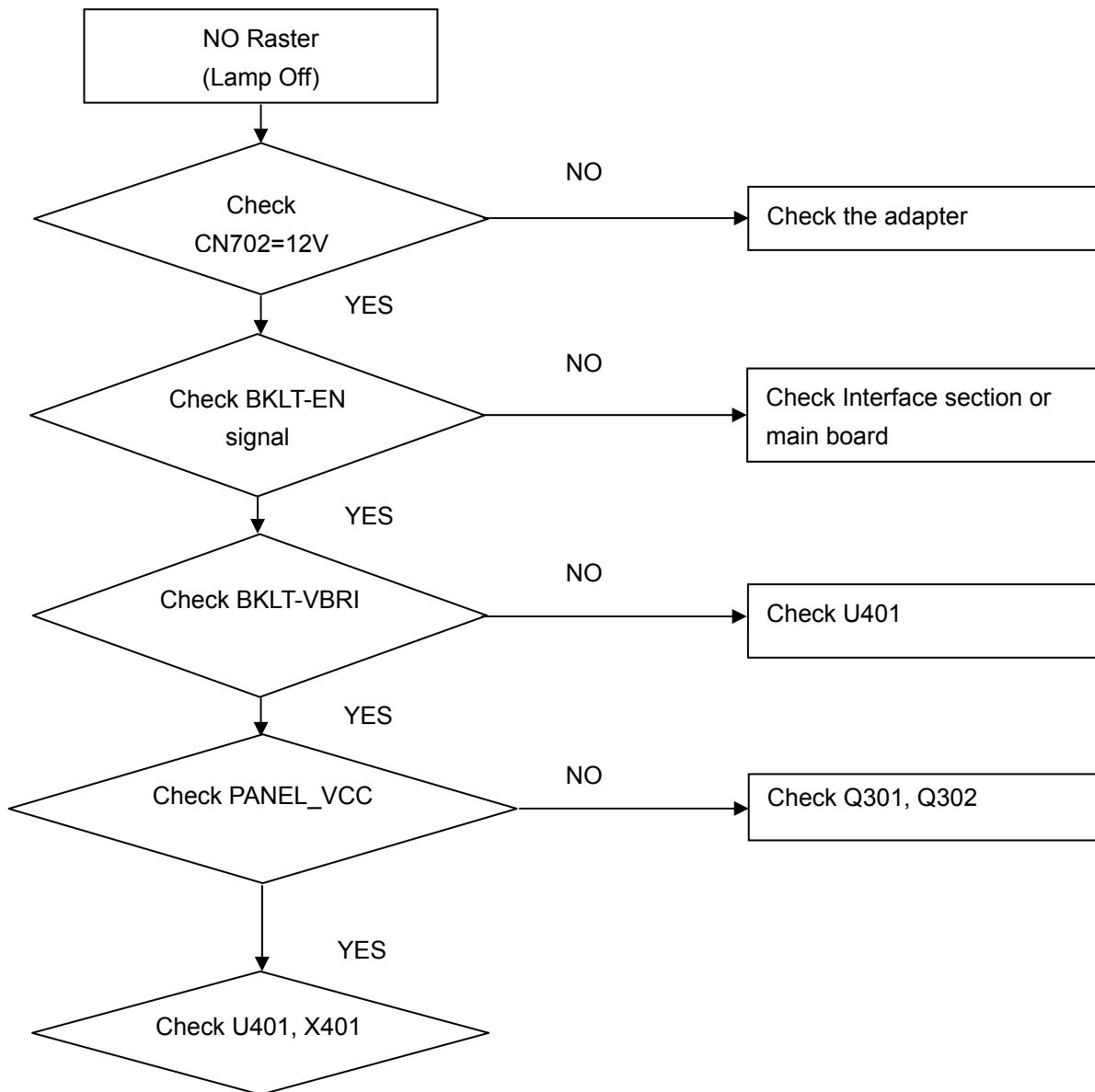
4. TROUBLE IN DPM



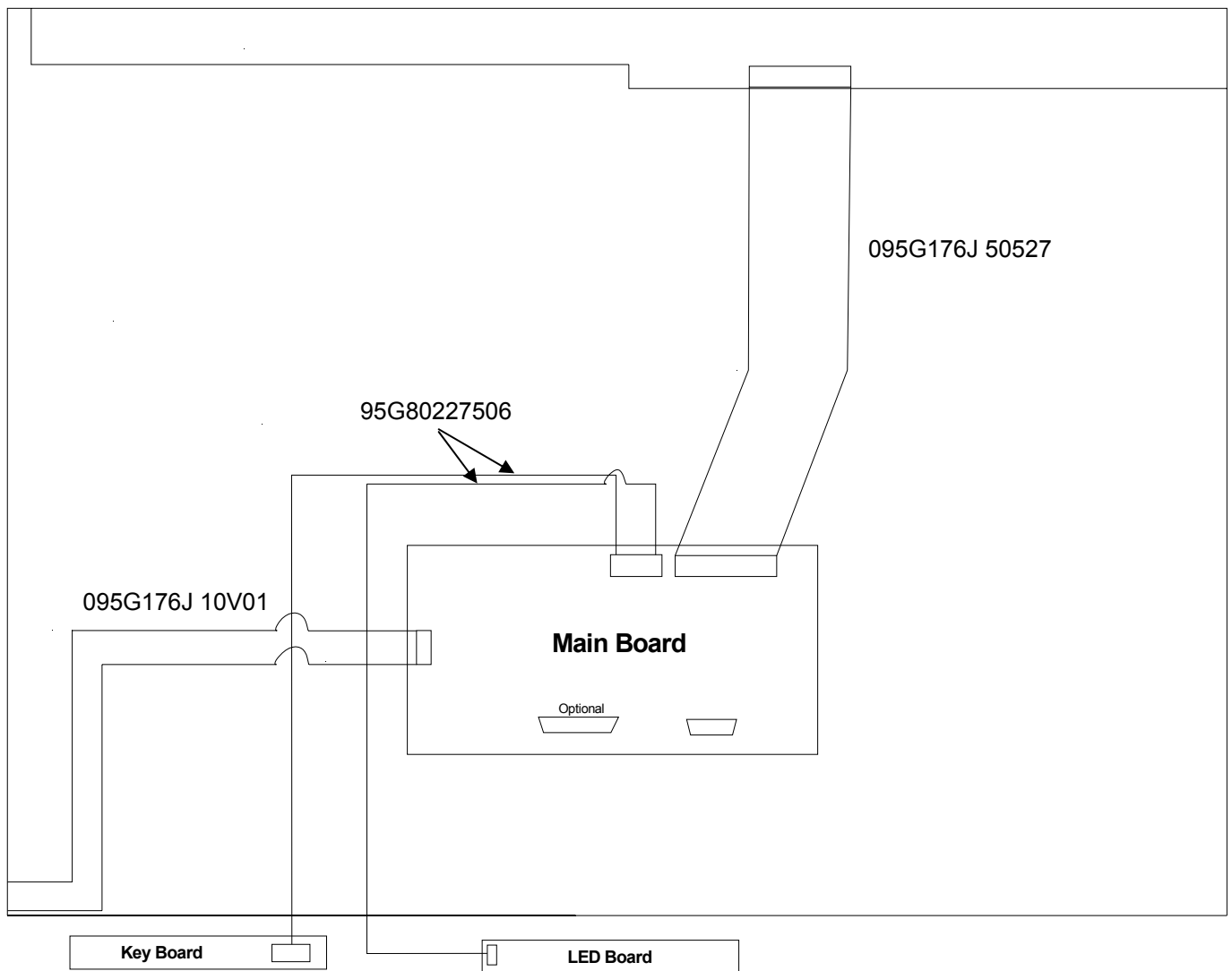
5. POWER



6. RASTER



WIRING DIAGRAM




Note: DVI only for E2260T.

EXPLODED VIEW

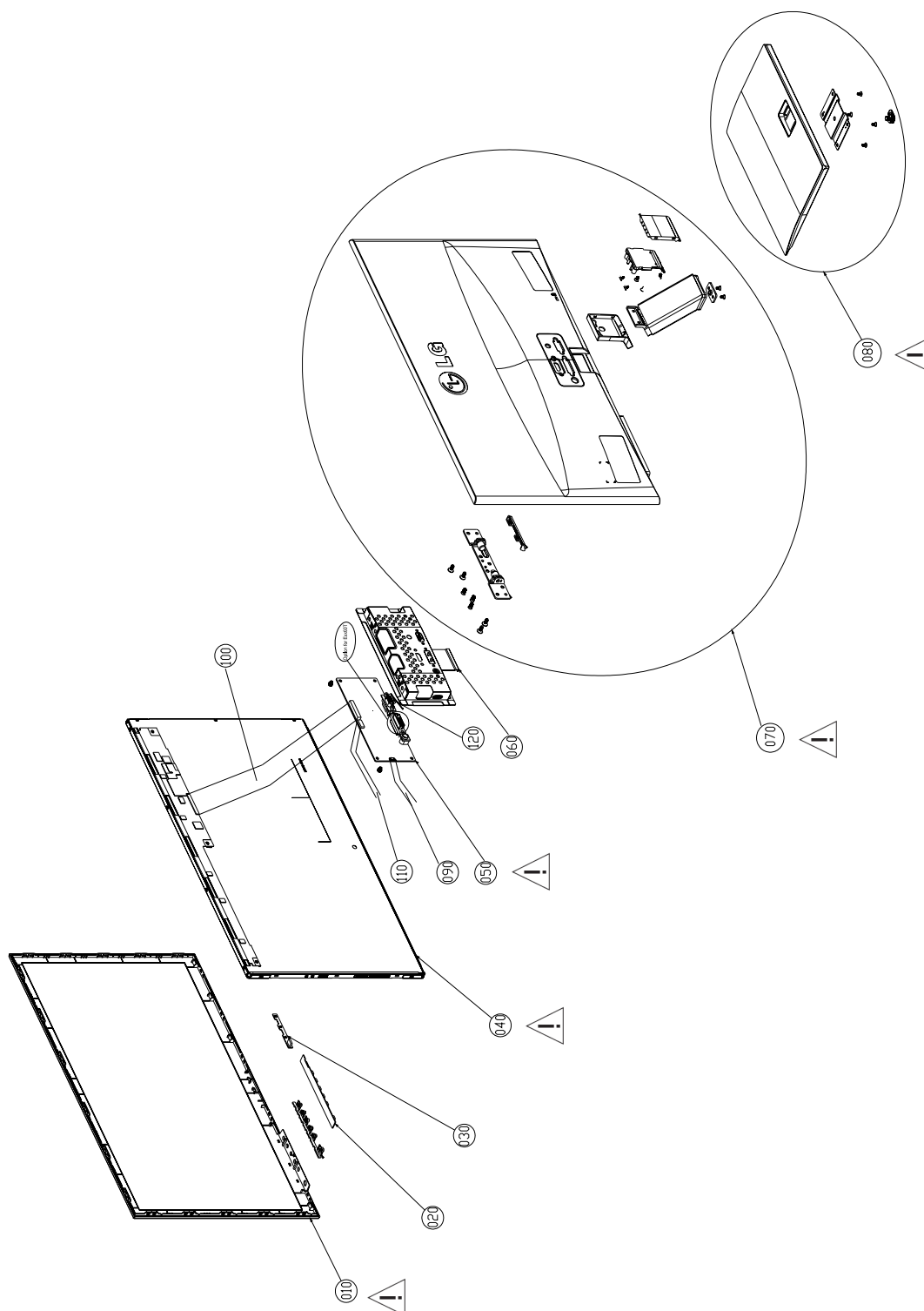
IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics.

These parts are identified by  in the EXPLODED VIEW.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.



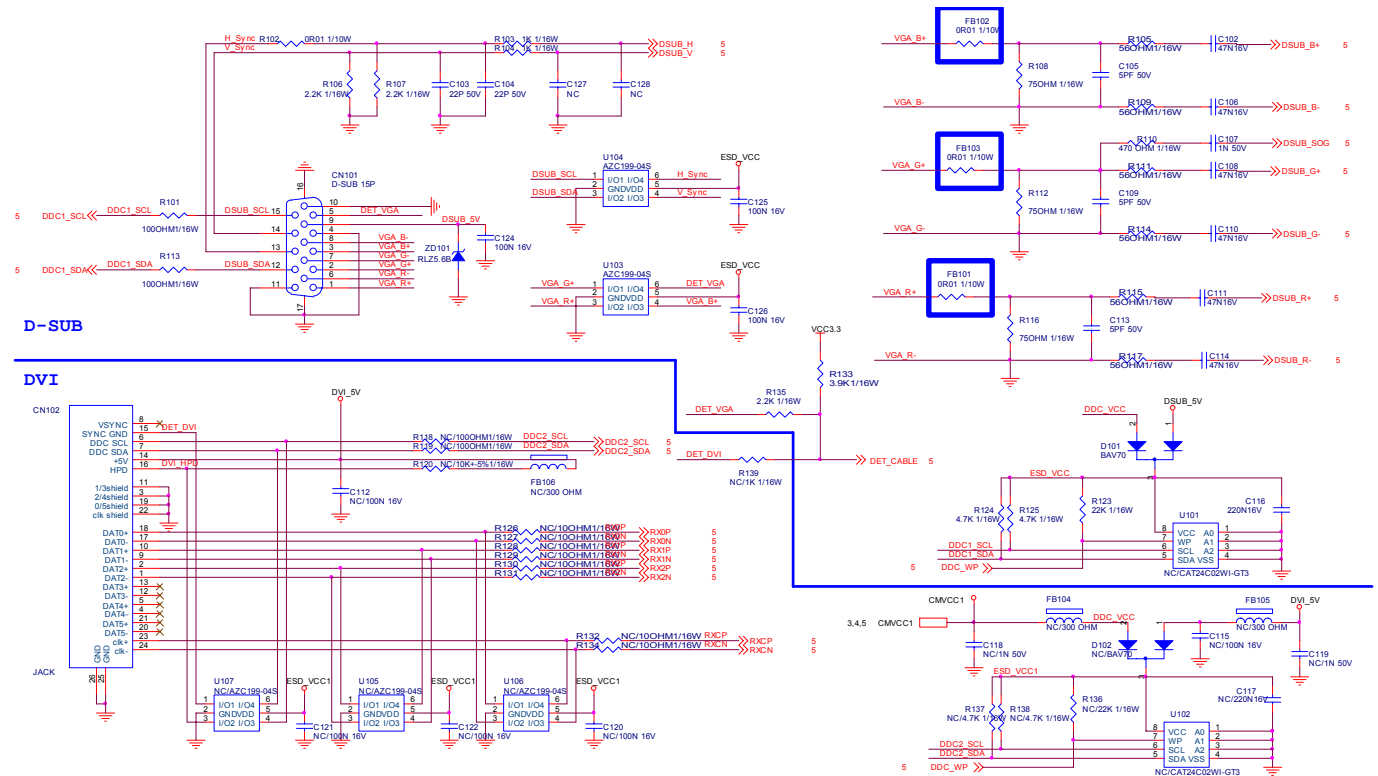
EXPLODED VIEW PARTS LIST

Ref. No.	TPV part No.	LGE part No.	Description
010	705GFACS009	ABJ73308502	BEZEL L215W-TLG4 WITH KEY BUTTON
020	KEPCAQG1	EBU60704503	KEY BOARD
030	LEPCAQG1	EBU60934810	LED BOARD
040	750GMT215W4A11M0LG	COV30101221	PANEL LM215WF4 TRA1 FQ LTD
050	756GQACB KL002 00	EBU60714334	MAIN BOARD(CBPCA AWLGQ2)-E2260S
	756GQACB KL003 00	EBU60714335	MAIN BOARD(CBPCAARLGQ2)-E2260T
060	Q15G0909101101	MDQ62638101	MAINFRAME-E2260S
	Q15G0909101201	MDQ62638102	MAINFRAME-E2260T
070	705GFACS005	ACQ83873703	REAR COVER ASS'Y-E2260S
	705GFACS007	ACQ83873704	REAR COVER ASS'Y-E2260T
080	705GFACS004	ACQ83873802	BASE ASS'Y
090	095G176J 10V01	COV30101415	FFC CABLE 10PIN 300MM 0.5MM
100	095G176J 50527	COV30101412	FFC CABLE 50 135 0.5
110	S95G80227506	NA	HARNESS 7P-6P+3P 250/300
120	089G 725CAA 2G	NA	D-SUB CABLE 1500MM

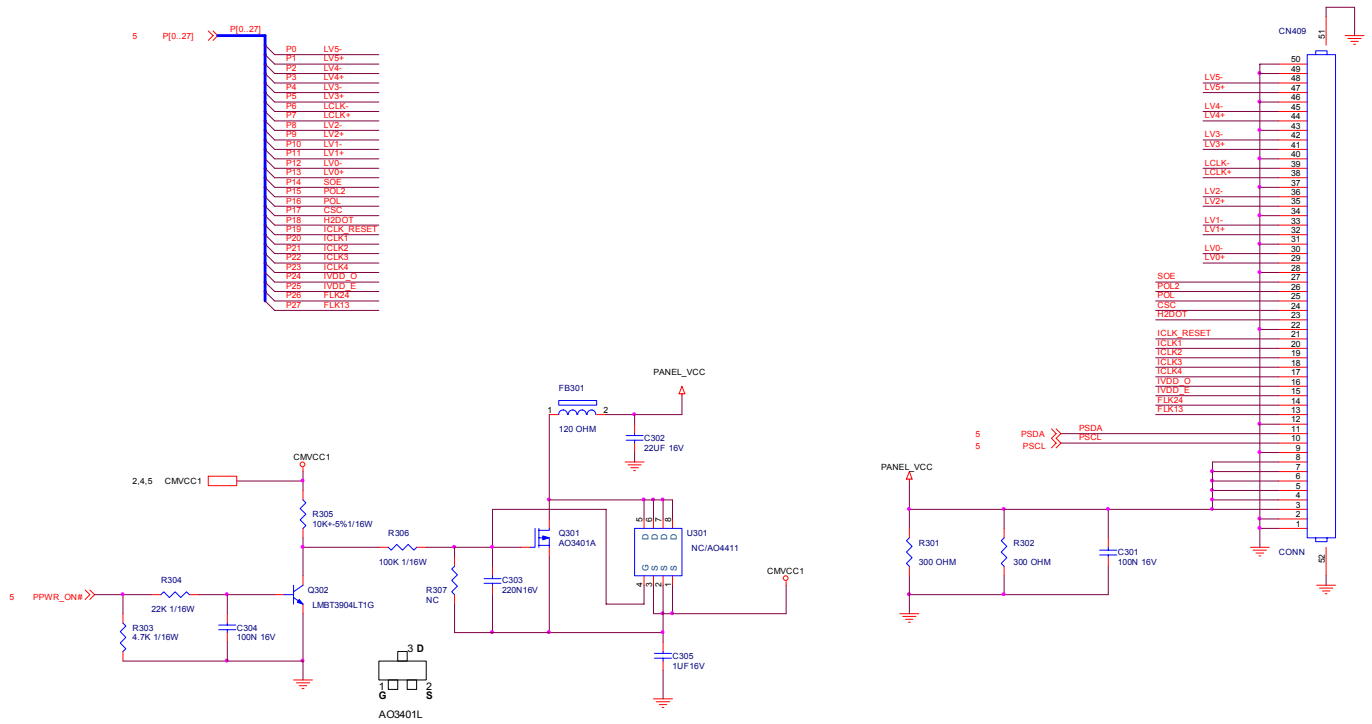
SCHEMATIC DIAGRAM

1. Main Board

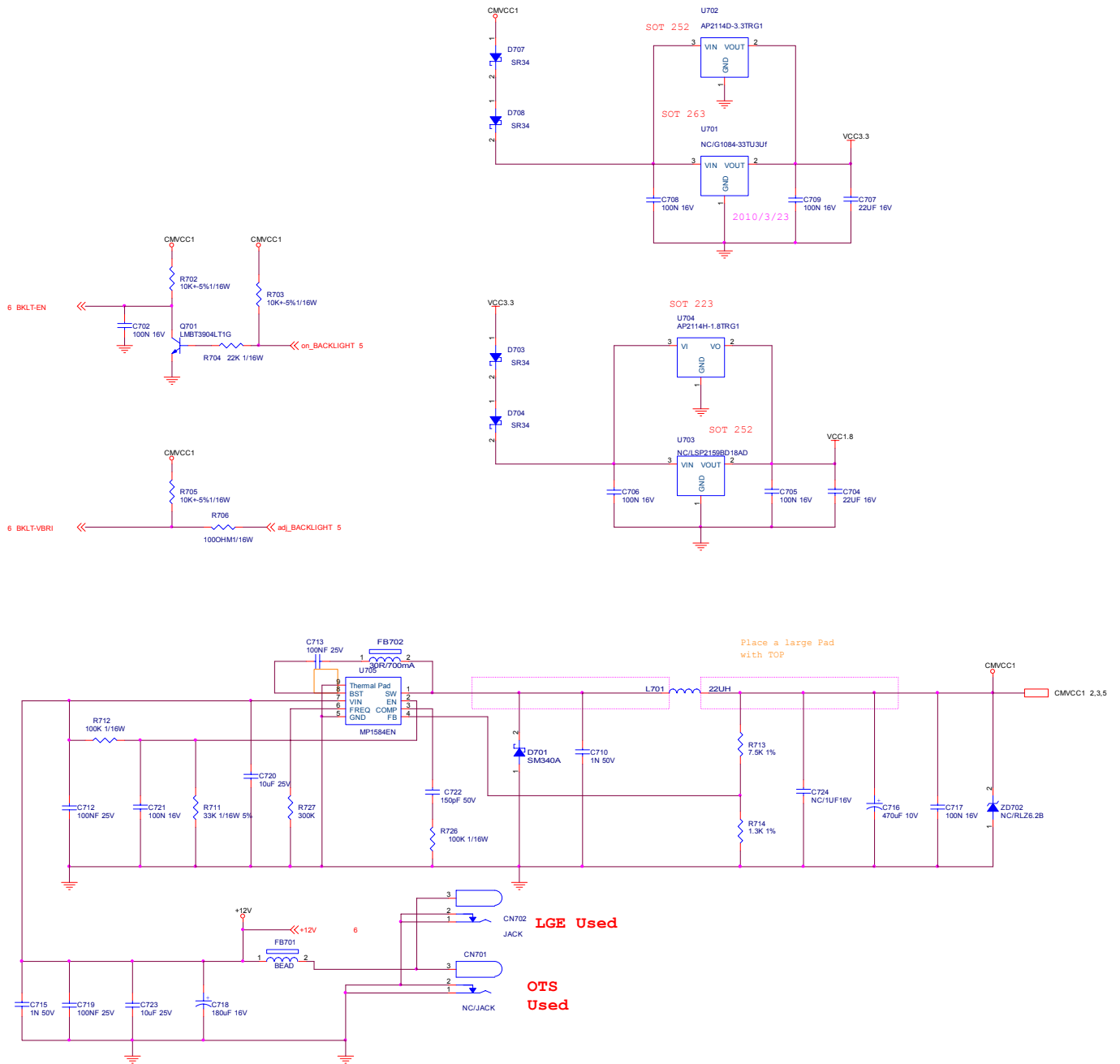
E2260S&T

Input (DVI only for E2260T)

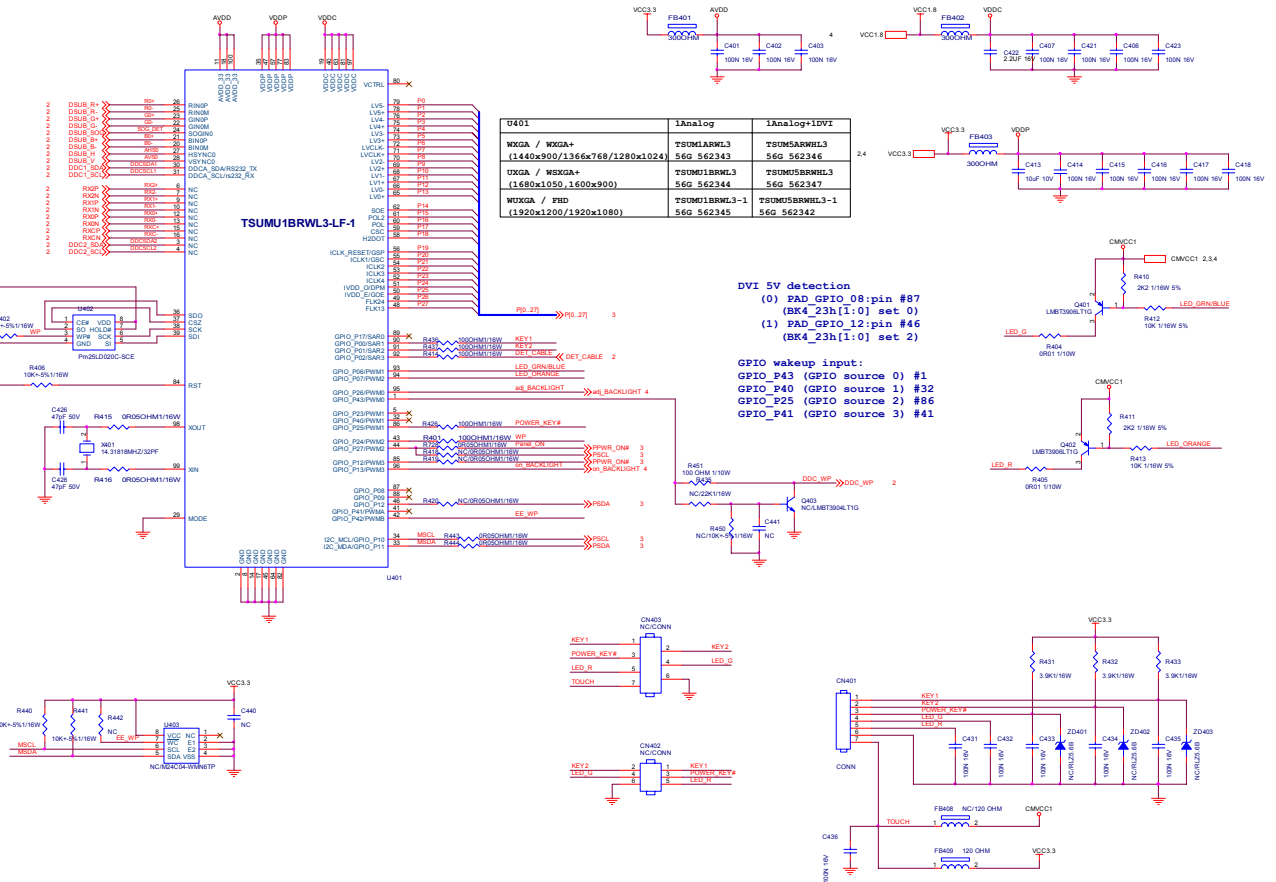
Output



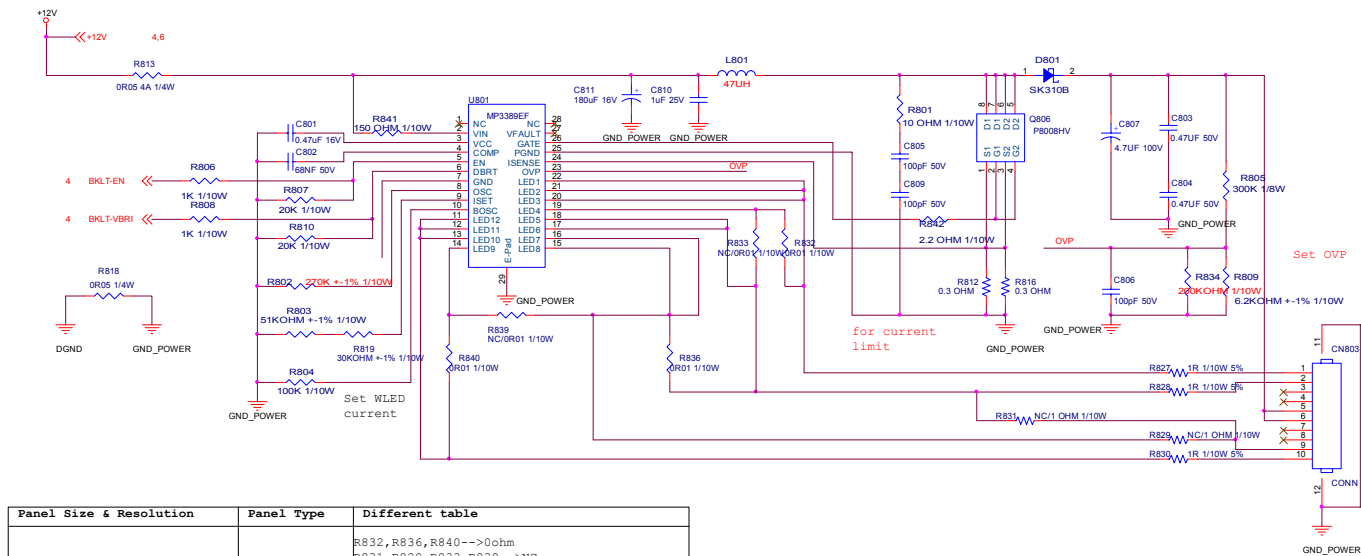
Power



Scaler

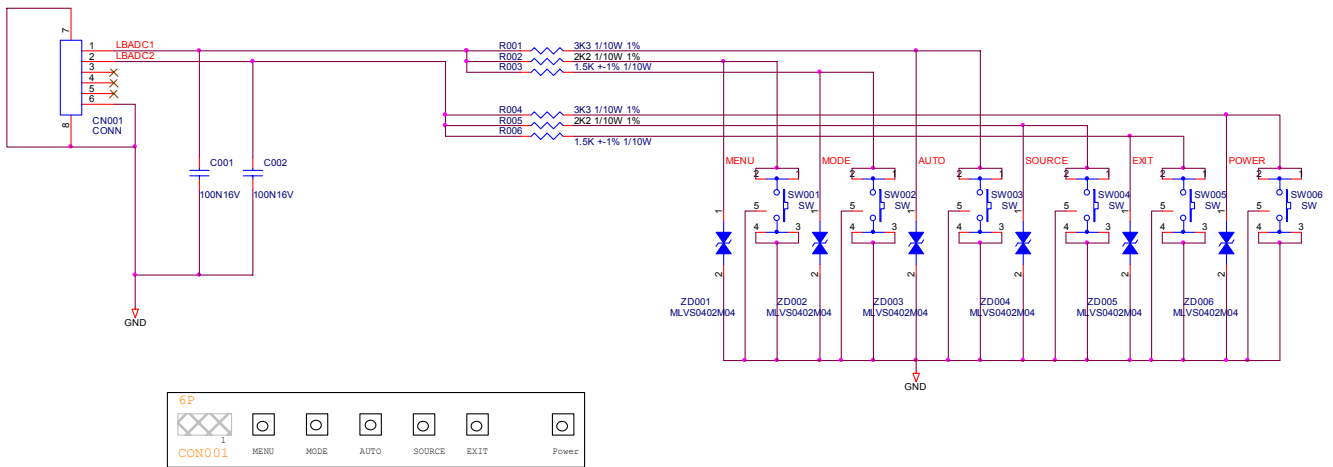


Convert

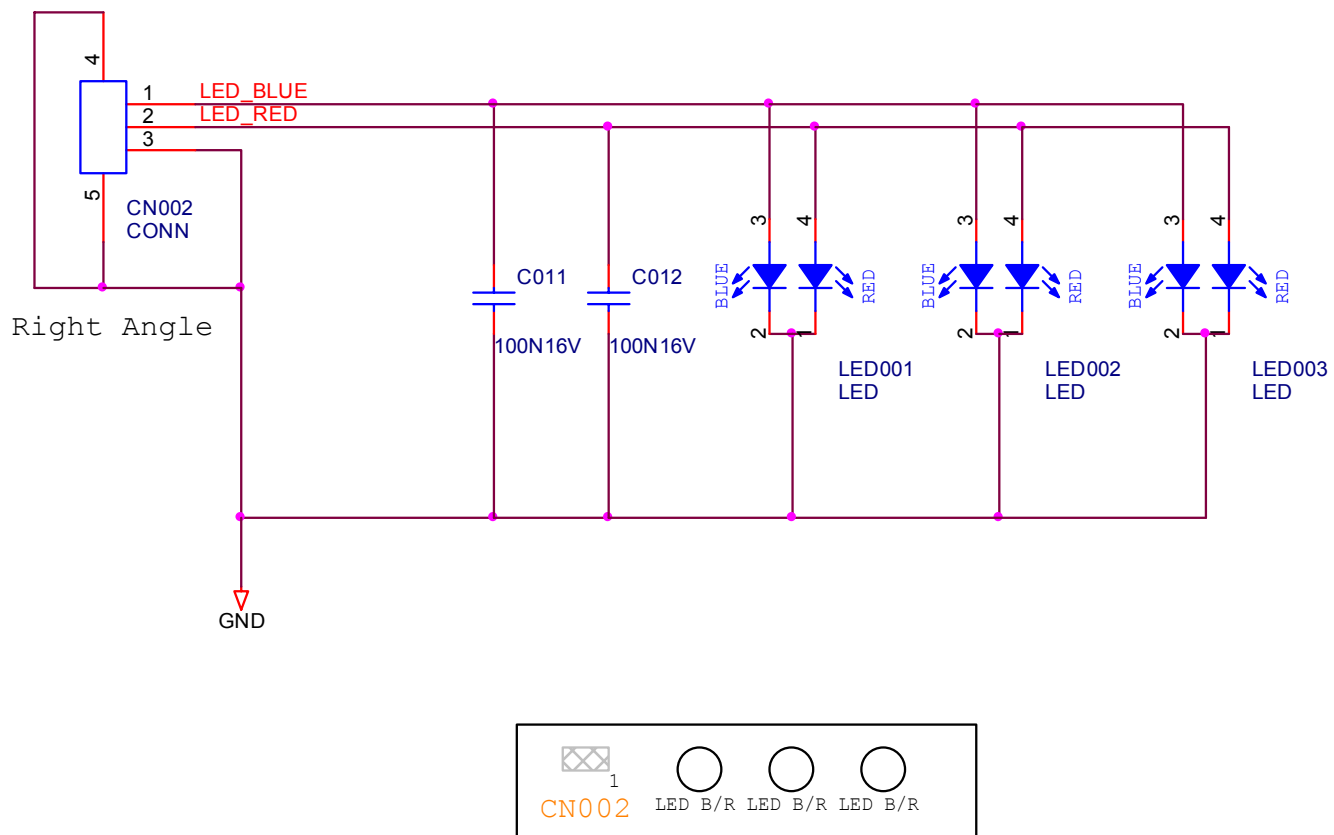


Panel Size & Resolution	Panel Type	Different table
WXGA+ (1366x768) / 18.5 #	LM185WH2-TRA1	R832,R836,R840-->0ohm R831,R829,R833,R839-->NC R828-->1ohm R819-->30K ---Set WLED current
WSXGA+ (1600x900) / 20 #	LM200WD3-TRA1	R809 5.6K ---Set OVP R812-->0.15ohm for current limit
FHD (1920x1080) / 21.5 #	LM215WF4-TRA1	R833,R839-->0ohm R831,R832,R836,R840-->NC R828,R829-->1ohm R819-->10K ---Set WLED current
FHD (1920x1080) / 23 #	LM230WF5-TRA1	R809 5.6K ---Set OVP R812-->0.15ohm ---for current limit

2. Key Board



3. LED Board





P/NO:

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