



LCD Color Monitor: T20BNUW-G1
Model Name: ACER AL2002W-Dual

Service Manual

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Important Safety Notice








Product Announcement:

This product is certificated to meet RoHS Directive and Lead-Free produced definition. Using approved critical components only is recommended when the situation to replace defective parts. Vender assumes no liability express or implied, arising out of any unauthorized modification of design or replacing non-RoHS parts. Service providers assume all liability.

Qualified Repairability:

Proper service and repair is important to the safe, reliable operation of all series products. The service providers recommended by vender should being aware of notices listed in this service manual in order to minimize the risk of personal injury when perform service procedures. Furthermore, the possible existed improper repairing method may damage equipment or products. It is recommended that service engineers should have repairing knowledge, experience, as well as appropriate product training per new model before performing the service procedures.

NOTICE:

-  To avoid electrical shocks, the products should be connect to an authorized power cord, and turn off the master power switch each time before removing the AC power cord.
-  To prevent the product away from water or exposed in extremely high humidity environment.
-  To ensure the continued reliability of this product, use only original manufacturer's specified parts.
-  To ensure following safety repairing behavior, put the replaced part on the components side of PWBA, not solder side.
-  To ensure using a proper screwdriver, follow the torque/force listed in assembly and disassembly procedures to unscrew screws.
-  Using Lead-Free solder to well mounted the parts.
-  The fusion point of Lead-Free solder requested in the degree of 220°C.

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1. Product Overview:

This document defines the design and performance requirements for the Liteon standard 20" wide flat panel monitor. The display element shall be a 20" inch diagonal, WSXGA (1680 x 1050) resolution, TFT-LCD (Thin Film Transistor Liquid Crystal Display). Video input signals are Analog D-sub and DVI-D Digital with non-interlaced signaling. Power saving function complies with the DPMS (Display Power Management Standard).

General display parameters

Display Area	20" diagonal, (H)433.44(H)x270.90(V)
Resolution	1680 x 1050 pixels
Display Color Number	16.7M colors(RGB 6-bit+Hi-FRC data)
Display Type	a-Si TFT active-matrix
Contrast Ratio	800 : 1 typ.
Brightness	300cd/m ² typ.
Response Time	(Ton + Toff) 5 ms typ.
Pixel Pitch	0.258mm x 0.258mm RGB Vertical Stripes
Vertical Viewing	160 degrees typ, CR=10
Horizontal Viewing	160 degrees typ, CR=10

Optical Characteristics

M201EW02 V1

Item	Unit	Conditions	Min.	Typ.	Max.	Note
Viewing Angle	[degree]	Horizontal (Right)	75	80	-	1
	[degree]	CR = 10 (Left)	75	80	-	
	[degree]	Vertical (Up)	75	80	-	
	[degree]	CR = 10 (Down)	75	80	-	
Luminance Uniformity	[%]		75	80	-	2,3
Response Time	[msec]	Rising Time	-	3.6	5.7	4,6
	[msec]	Falling Time	-	1.4	2.3	
	[msec]	Rising + Falling	-	5	8	
Color / Chromaticity Coordinates (CIE 1931)		Red x	0.610	0.640	0.670	4
		Red y	0.322	0.352	0.382	
		Green x	0.258	0.288	0.318	
		Green y	0.598	0.628	0.658	
		Blue x	0.117	0.147	0.177	
		Blue y	0.040	0.070	0.100	
		White x	0.283	0.313	0.343	
White Luminance at CCFL 7.5mA (central point) Contrast ratio	[cd/m ²]		240	300	-	4
		Normal Direction	600	800	-	4
Crosstalk (in75Hz)	[%]				1.5	5
Flicker	[dB]				-20	7

Note: Per panel specification, over the life of the product, variation of parameters specified in panel specification shall be maintained within reasonable limits. Check supplier quality inspection criteria for the detail information.

2. GENERAL REQUIREMENTS:

2.1 Test Condition

Brightness level at max & contrast level at default full white pattern test mode following spec. Warm up more than 30 min, ambient light < 1 Lux, Luminance meter CA210 or BM7 or compatible equipment.

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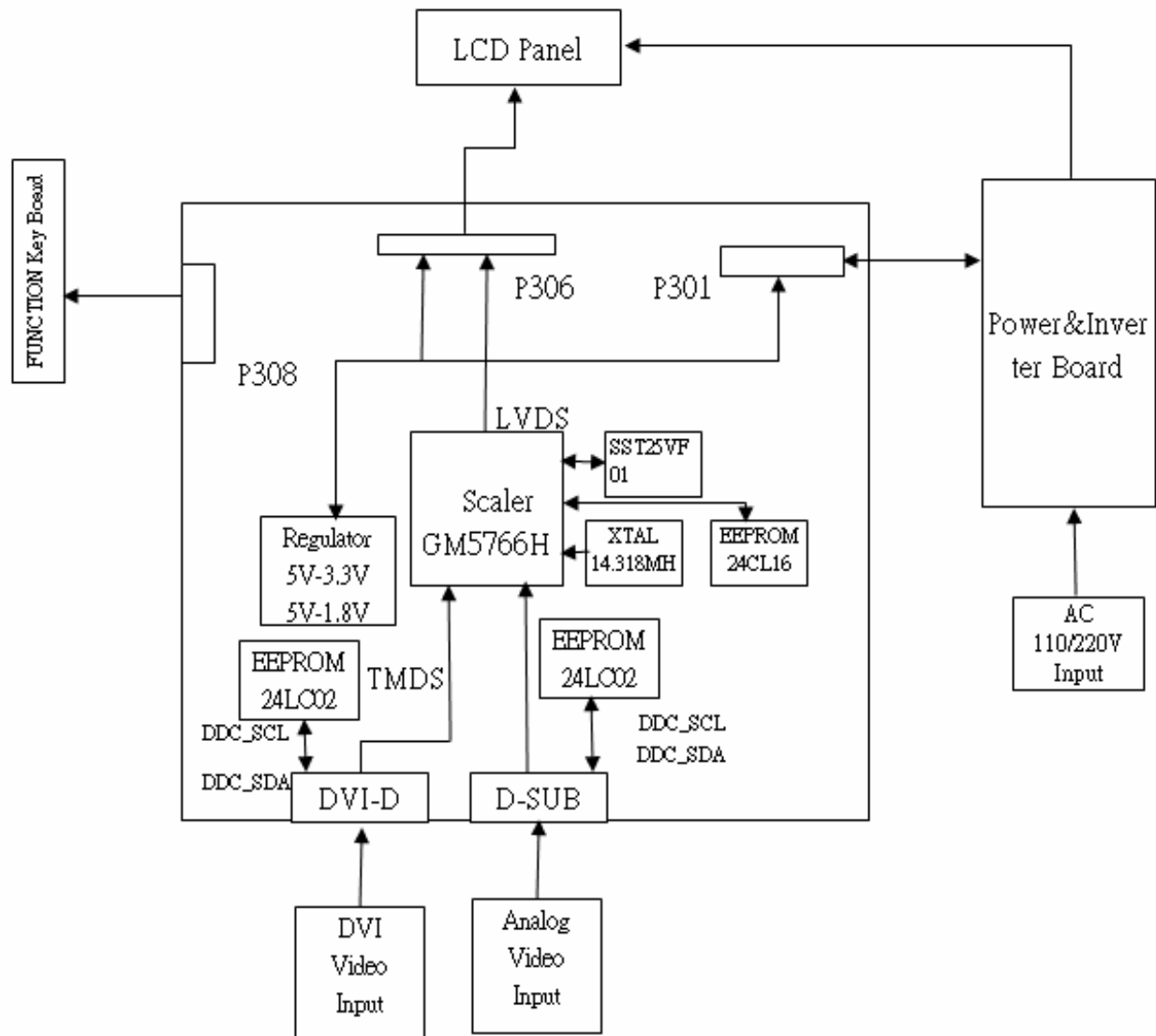
2.2 Test Equipment

The reference signal source is a calibrated Chroma 2326 or Quantum 801GD video generator. The use of other signal generators during qualification and production is acceptable provided the product complies with this specification.

3. ELECTRICAL RELATED INFORMATION:

This section describes the electrical requirement of the monitor. The block diagram in Figure 1 illustrates the various electrical sub-system.

3.1. Product Block Diagram



The LCD monitor will contain an interface board, a Power / Inverter board, and a function key board. The interface block will house the flat panel control logic, brightness control logic, and DC-DC conversion to supply the appropriate power to the whole board and LCD panel, and transmitting LVDS signals into LCD Module to drive the LCD display circuit. The inverter block will drive the four dual CCFLs (Cold Cathode fluorescent Tube). The power block will provide the DC power to interface board and LCD panel. The function key block will provides the OSD control signal, power ON/OFF and LED indicator to the interface board.

3.2. Product Specification

ITEM		SPEC
Analog Signal Input	Frequency Ranges	H 30kHz ~ 81kHz V 56Hz ~ 76Hz
	Max Pixel clock	205MHz
	RGB Input Level	0.7Vp-p
	RGB Input Impedance	75Ω
	Sync Input Signal	Separate SYNC, Composite Sync or Sync on Green are supported
	Sync Input Impedance	50Ω
Digital Signal Input	Frequency Ranges	H 30kHz ~ 81kHz V 56Hz ~ 76Hz
	Max Pixel clock	165MHz
	DVI Input Level	150mV ≤ Vp-p ≤ 1560mV
	DVI Input Impedance	Input Impedance 100Ω per pair
Connectors	AC power	AC 100V ~ AC 220V ± 10% 50/60Hz, 3 pin AC power cord
	Input connectors	D-SUB 15 pin, DVI-D
Power Consumption	AC IN 90~264V Normal Operation	49W Max
	Standby, Suspend, Active Off	< 2W
	Power Off	< 1W @ (90VAC~240VAC)
User's Control	Front Panel Buttons	POWER, MENU, SELECT, +, -,
Dimming control range (max-min/max) x 100%		35% typical
Pre-Defined Timing	Factory	11
	User	15
Plug and Play		VESA DDC2B
Power Saving		DPMS
Input Signal Counter tolerance		H ±1kHz, V ±1 Hz

3.3. Interface Connectors

3.3.1. Power Connector and Cables

The AC inlet connector shall have an IEC/CEE-22 type male power receptacle for connection to mains power. The power cord, exact type to be supplied in the appropriate Option Kit, shall be black have length of 1.8 ± 0.05 meters.

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3.3.2. Signal Connectors and Cable

The analog signal cable shall be black and 1800 mini-meters, the digital signal cable shall be black and 1800 mini-meters, At the end of the analog cable shall be a molded-over, shielded, triple row, 15 position and blue color D subminiature connector. At the end of the digital cable shall be a molded-over, shielded, triple row, 24 position, white color DVI-D connector. The CPU connection shall have captive screw locks, which will be adequate for hand tightening. The monitor connection may use small screws.

3.3.3. Connector Pin Assignment

A. DSUB

Pin	Signal	Pin	Signal	Pin	Signal
1	Red-Video	6	Red-GND	11	GND
2	Green-Video	7	Green-GND	12	DDC-SDL
3	Blue-Video	8	Blue-GND	13	H-SYNC
4	GND	9	+ 5V	14	V-SYNC
5	Self Test	10	DDC-GND	15	DDC-SCL

B. DVI-D (Digital TMDS) Connector

Pin	Signal	Pin	Signal	Pin	Signal
1	TMDS Data 2-	9	TMDS Data 1-	17	TMDS Data 0-
2	TMDS Data 2+	10	TMDS Data 1+	18	TMDS Data 0+
3	TMDS Data GND	11	TMDS Data GND	19	TMDS Data GND
4	NC	12	NC	20	NC
5	NC	13	NC	21	NC
6	DDC Clock	14	+ 5V Power	22	TMDS Clock GND
7	DDC Data	15	Self Test	23	TMDS Clock +
8	NC	16	Hot Plug Detect	24	TMDS Clock -

C. Power Board Connector

Pin	Signal
1	5.2V
2	5.2V
3	5.2V
4	5.2V
5	GND
6	GND
7	GND
8	GND
9	BKLT-EN
10	BKLT-ADJ

D. Flat Panel Connector

PIN #	SIGNAL NAME	DESCRIPTION
1	RxO0-	Negative LVDS differential data input (Odd data)
2	RxO0+	Positive LVDS differential data input (Odd data)
3	RxO1-	Negative LVDS differential data input (Odd data)
4	RxO1+	Positive LVDS differential data input (Odd data)
5	RxO2-	Negative LVDS differential data input (Odd data, H-Sync, V-Sync, DSPTMG)
6	RxO2+	Positive LVDS differential data input (Odd data, H-Sync, V-Sync, DSPTMG)
7	GND	Power Ground
8	RxOC-	Negative LVDS differential clock input (Odd clock)
9	RxOC+	Positive LVDS differential clock input (Odd clock)
10	RxO3-	Negative LVDS differential data input (Odd data)
11	RxO3+	Positive LVDS differential data input (Odd data)
12	RxE0-	Negative LVDS differential data input (Even clock)
13	RxE0+	Positive LVDS differential data input (Even data)
14	GND	Power Ground
15	RxE1-	Negative LVDS differential data input (Even data)
16	RxE1+	Positive LVDS differential data input (Even data)
17	GND	Power Ground
18	RxE2-	Negative LVDS differential data input (Even data)
19	RxE2+	Positive LVDS differential data input (Even data)
20	RxEC-	Negative LVDS differential clock input (Even clock)
21	RxEC+	Positive LVDS differential clock input (Even clock)
22	RxE3-	Negative LVDS differential data input (Even data)
23	RxE3+	Positive LVDS differential data input (Even data)
24	GND	Power Ground
25	GND	Power Ground
26	NC	No contact (For AUO test only)
27	GND	Power Ground
28	VCC	+5.0V Power Supply
29	VCC	+5.0V Power Supply
30	VCC	+5.0V Power Supply

3.4. Input Signals (Analog RGB Signal Input):

3.4.1. Video Input Signal Ranges

No.	Symbol	Item	Min	Normal	Max	Unit	Remark
1	Fh	Horizontal Frequency	30		81	kHz	Minimum range
2	Fv	Vertical Frequency	56		76	Hz	Minimum range
3	Fclk	Locked Pixel Clock Frequency			165	MHz	
4	Vih	Hi Level Input	2.0		5.0	V	Note 1)
5	Vil	Low Level Input	0		0.8	V	Note 1)
6	Video	RGB Analog Video Level	0.0		0.735	V	75Ω to Ground

Note : 2.2kΩ to Ground, Schmitt-Triggers Input, Supported 3.3V device H & V sync. Output.

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3.4.2. Video Signal Amplitudes

The three video inputs consist of Red, Green, and Blue signals, each with its own coaxial cable terminated at the monitor. These video signals are analog levels, where 0V corresponds to black, and 735 mV is the maximum signal amplitude for the respective color, when each signal is terminated by a nominal 75.0 ohm. For a given monitor luminance levels are measured using this defined video amplitude driving a monitor meeting the termination requirements. The signal amplitude is not to be readjusted to compensate for variations in termination impedance.

3.4.3. Video Signal Termination Impedance

This analog video signal termination shall be 75 ohm +/- 2% which shall be resistive with a negligible reactive component.

3.4.4. Synchronization (Sync) Signals

The Horizontal Sync (HS) TTL signal is used to initiate the display of a horizontal line. HS may be either active high or active low, depending upon the timing. The Vertical Sync (VS) TTL signal is used to initiate the display of a new frame. VS may be either active high or active low, depending on the timing.

3.4.5. Sync Signal Levels

The monitor must accept sync signals from both 3.3 and 5 volt TTL logic families. The inputs shall sense a logic 0 when the input is 0.8 volt or less and shall sense a logic 1 when the input is 2.0 volts or greater. In addition to these level requirements, there shall also be a minimum of 0.3 volt hysteresis provided for noise immunity (typically by using a Schmitt Trigger input). That is, the input level at which the monitor actually detects a logic 0 shall be at least 0.3 volt lower than the level at which it actually detects a logic 1. If the monitor sync processing circuits are designed around the 3.3 volt logic family, then the sync inputs must be 5 volt tolerant.

3.4.6. Sync Signal Loading

TTL input loading shall be equivalent to one TTL input load. When logic 0 is asserted by a sync input, the maximum current source from any single monitor sync input to the driver is 1.6 mA. When logic 1 is asserted, the maximum current source from the driver to any single monitor sync input is 400mA.

3.4.7. Abnormal Signal Immunity

The monitor shall not be damaged by improper sync timing, pulse duration, or absence of sync, or abnormal input signal amplitude (video and/ or sync too large or too small), or any other anomalous behavior of a graphics card video generator when changing modes, or when any combination of input signals is removed or replaced. Additionally, under these conditions, the monitor shall not cause damage to the driving source.

3.5. Interface Boards (Digital TMDS Input)

3.5.1. The interface board will house the Panel-Link receiver , and transmitting TTL level signals into LCD Module to driver the LCD display circuit.

3.5.2. Video Signal Amplitudes

This video inputs consist of TX 0 \pm , TX 1 \pm , TX 2 \pm and CLK \pm signals, each with its own shielded twisted pair.

These video signals are digital levels, when each signal pair is terminated by a normal 100 ohms .The panel-Link signal transmitting over the cable is based on 3V DC offset with \pm 0.5V amplitude.

3.5.3. Video Signal Termination Impedance

This panel link signal termination shall be 100 Ω per pair which shall be resistive with a negligible reactive component.

3.5.4. Signal Connector (DVI-D 24 pin)

This signal cable connector shall be white color, molded – over and shielded twisted pair cable with 50 Ω impedance per line or 100 Ω \pm 10% per differential pair. The cable shall be 2000 mini-meters long.

3.6. User Controls and Indicators:

3.6.1. Power On / Off Switch

The monitor shall have a power control switch visible and accessible on the front of the monitor.

The switch shall have no effect on the operation of the AC / DC converter. Instead, it shall interrupt the DC supply to the monitor.

3.6.2. Power Indicator LED

The monitor shall make use of a LED type indicator located on the front of the monitor. The LED color shall indicate the power states as given in Table below.

	LED Color
Power-ON Mode :	Green
Power Saving Mode :	Amber

3.6.3. On-Screen Display

The On Screen Display system shall be used, controlled by a select button (SELECT), a menu button (MENU), a plus (+) button and a minus (-) button. If the buttons remain untouched for OSD turn off time while displaying a menu, the firmware shall save the current adjustments and exit. Also, if the video controller changes video mode while the OSD is active, the current settings shall be saved immediately, the OSD turned off, and the new mode is displayed.

A. Menu Operation

Pressing the MENU button the first time brings up the first menu level. The (MENU) button is used to enter and exit the OSD menu. Pressing the MENU button brings up the second menu level for the item selected.

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B. OSD Controls

Item	Description
Brightness	Backlight Luminance of the LCD panel is adjusted.
Contrast	A gain of R,G and B signal is adjusted.
Color Temperature	9300K, 8200K, 7500, 6500K, 5000K And User settings.
Auto Adjust	Clock system auto adjustment, about under 5 sec.
Left/Right	The indication screen is horizontally moved right and left (1 pixel pitch)
Up/Down	The indication screen is vertically moved up and down (1 pixel pitch)
Pixel Clock	The ratio of dividing frequency of the dot clock is adjusted.
Phase	The phase of dot clock is adjusted.
OSD Language	Select the language used for the OSD menu from between English, French, Italian, Deutsch, Spanish, Japan, Simple Chinese and Traditional Chinese.
Recall Defaults	All data copy from factory shipment data.
OSD Position	The OSD indication position can be selected.

3.7. Monitor Modes and Timing Capability:

3.7.1. Format and Timing

The monitor shall synchronize with any vertical frequency from 56 to 76 Hz, and with any horizontal frequency from 30 to 81 KHz. If the input frequency is beyond the specified range, the monitor shall display a warning screen indicating that the input frequency is out of range. Under no circumstances shall any combination of input signals cause any damage to the monitor.

3.7.2. Factory Assigned Display Modes

There are 11 factory pre-set frequency video modes. These modes have a factory pre-set for all characteristics affecting front-of-screen performance. When the system is powered-on, previously stored screen parameters for a pre-defined mode will be recalled if the operating mode is one of those stored in memory. If the operating mode is not one of those stored in memory, the monitor CPU will select the PRESET timing for a mode that is the next lowest in horizontal scanning frequency to the mode being currently used. The screen parameters may be adjusted by the use of the front bezel controls and then may be saved as a user defined mode. The monitor shall include all the preset video timings shown in the following page.

3.7.3. Mode Recognition Pull-in

The monitor shall recognize preset modes within a range of $\pm 1\text{KHz}$ whichever is less for horizontal ; and within $\pm 1\text{Hz}$ for vertical.

3.7.4. User Display Modes

In addition to the factory pre-set video modes, provisions shall be made to store up to 15 user modes. If the current mode is a user mode, the monitor shall select its previously stored settings. If the user alters a setting, the new setting will be stored in the same user mode. The user modes are not affected by the pre-set command. If the input signal requires a new user mode, storage of the new format is automatically performed during user adjustment of the display (if required).

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Preset Timing Chart

No	Chroma Timing	Timing Modes, FV(Hz)		FH (KHz)	Pixel Rate (MHz)	Sync Polarity	
						H	V
1	102	VGA	720 x 400 70Hz	31.47	28.322	-	+
2	103	VGA	640 x 480 60Hz	31.47	25.175	-	-
3	109	VESA	640 x 480 75Hz	37.5	31.5	-	-
4	116	VESA	800 x 600 60Hz	37.88	40	+	+
5	110	VESA	800 x 600 75Hz	46.88	49.5	+	+
6	118	VESA	1024 x 768 60Hz	48.36	65	-	-
7	141	VESA	1024 x 768 75Hz	60.02	78.75	+	+
8	126	MAC	1152 x 864 75Hz	67.5	108	+	+
9	179	SXGA	1280 x 1024 60Hz	64	108	+	+
10	131	SXGA	1280 x 1024 75Hz	80	135	+	+
11	333	WSXGA	1680 x 1050 60Hz	65.3	146.25	-	+

NOTE: (1) $76\text{Hz} \leq \text{FV}$: monitor can display but doesn't guarantee.

(2) $\text{FH} > 85\text{KHz}$, or $\text{Fv} > 80\text{Hz}$: Power Save (OSD warning invalid mode).

3.8. Controller Requirements

3.8.1. General Requirements

The monitor shall include a controller capable of converting the analog RGB signal from a standard WSXGA resolution video controller in the CPU to a signal which can be displayed on the panel. The controller will include a PLL, A/D converters, and other circuitry necessary to perform its function. The PLL shall be stable enough to ensure that a static image from the CPU is placed in the same physical location on the flat panel in each frame.

3.8.2. Video Stretching

The monitor shall contain provisions to "stretch" the video signal, so that an input signal from the computer in any resolution smaller than 1680 x 1050 is automatically expanded to fill the entire screen.

3.8.3. Panel Timing and Interface

The controller supplied with the monitor shall control all panel timing. This controller shall adequately insulate the monitor from the computer, so that no possible combination of input signals from the computer shall cause damage to the flat panel or any other component of the monitor. The LCD panel interface shall support the TFT standard.

3.9. DC - AC Inverter Requirements:

The frequencies used by the DC - AC inverter used to power the backlight shall be chosen so as to prevent any noticeable effects on the flat panel (such as a rolling effect).

3.10. Power Supply Requirements

The AC to DC converter power supply for the monitor shall be an integrated power supply. This power supply shall have an IEC receptacle for mains power input and provide sufficient power for the monitor, the backlight assembly and the "Dell Sound bar", and shall meet all requirements specified in Table 2.

Table 2. AC TO DC Converter Requirements

Input Voltage Range	The operating range shall be from 90 to 132 and 195 to 240 VAC sinusoidal for all models specified.
Input Frequency Range	Input power frequency range shall be from 47.5 to 63Hz over the specified input voltage range.
Power Consumption	Power consumption for the monitor shall be less than 49W over the specified voltage and frequency ranges. In power off mode the power consumption will be less than 1W (at 90VAC~240VAC).
Line Fuse	The AC input shall be fused and become electrically open as a result on an unsafe current level. The fuse may not be user replaceable.
Initial Cold Start	The power supply shall start and function properly when under full load, with worst case conditions of input voltage, input frequency, operating temperature, and cold backlight lamps.
Inrush Current	The inrush current must be limited to 42A when operated at 120VAC, and 80A when operated at 220VAC. In - rush current is measured at an ambient temperature of 25° C, with the unit temperature stabilized in the power - off
Hot Start Cycle	The power supply shall not be damaged when switched ON for one second and OFF for one second for seven consecutive times after operating for one hour at full load, 25°C, and nominal input line voltage.
Under Voltage	The power supply shall contain protection circuitry such that the application of an input voltage below the minimum specified in this table shall not cause damage to the power supply unit nor cause failure of the input
Line Transient	The power supply shall operate within IEC 801-4 (± 1 KV) and IEC 801 -5 (± 2 KV) for the domestic U.S. Version. The UPS power supply shall operate and comply with CE mark.

3.11. Display Communications Channel

The monitor assembly shall provide a display communications channel that conforms to VESA DDC2B hardware requirements. This configuration shall contain the 256-byte EDID file as specified by VESA E-EDID Standard. The monitor contains a separate EEPROM for each video input to store EDID information. Once the EDID is programmed there is a write protection that is enabled so that the EEPROM cannot be overwritten.

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4. FLAT PANEL:

4.1. General Requirements

The panel used as the display device shall be a WSXGA resolution, 20" diagonal, TFT-LCD.

4.2. Panel Timings

The controller included with the monitor shall translate all video timings from the CPU that meet the timing requirements listed in Panel specification into timings appropriate for the panel. Under no circumstances may the controller supply the panel with timings that may result in damage. The controller shall insulate the panel from the CPU, so that the panel shall always be driven per its own specification regardless of the timings being sent from the CPU.

4.3. Polarizer Hardness

The outer face of the front polarizer panel shall be covered with a coating with a 3H hardness value, Haze 44% (AMLCD).

4.4. Backlight Requirements

4.4.1. General Requirements

The backlight assembly shall be designed to support field replacement at the customer site or authorized service center. The lamps shall have a continuous operating life of at least 50,000 hours at 25°C. The operating life is defined as having ended when the illumination of light has reached 50% of the initial value. The lamps shall extend a sufficient amount from the edge of the light guide that sputtering over the life of the lamps shall not cause degradation of the luminance uniformity (such as non-illuminated bands along the edges of the display).

4.4.2. Lamps Startup Time

The backlight lamps shall start within 3 sec. of the time the monitor power switch is pressed or the monitor is restarted from a power - down mode. The starting time shall stay below 3 sec. for the minimum expected life of the lamps.

Test conditions are as follows:

Ambient Light -----	< 1.0 lux.
Temperature-----	10°C
Inactive Time -----	> 24 hours

4.5. Defects:

4.5.1. Visual Inspection

The LCD panel shall be inspected with all pixels set to white, black, red, green, and blue. The color variation, brightness variation, and overall appearance must not be perceived as poor quality by Lite - On. Areas and / or parameters considered questionable shall be subjected to detailed measurements.

4.5.2. Display Degradation

Over the life of the product, variation of the parameters specified in Panel specification shall be maintained within reasonable limits. The panel must not exhibit any significant defects while in operation (excluding the CCFL operation). This does not in any way change the warranty given by the panel manufacturer.

4.5.3. Light Leakage

Except for the active display area, there shall be no light emission visible from any angle from any other part of the display. For this test, the ambient illumination will follow the panel specification 300 to 700 lux.

4.5.4. Allowable Defects

No cosmetic defects are allowed except those specified below. The conditions of visual inspections are as follows:

- ☒ Viewing distance is to be approximately 35cm.
- ☒ Ambient illumination is to be 300 to 500 lux.
- ☒ Viewing angle range shall be 160 degrees Horizontal and 160 degrees vertical typically.(AMLCD)
- ☒ Defects not apparent within one minute shall be ignored.

4.5.5. Defect Terminology

Below table is the descriptive terms used in classifying defects.

Dark Spots/Lines	Spots or lines that appear dark in the display patterns and are usually the result of contamination. Defects do not vary in size or intensity (contrast) when contrast voltage is varied. Contrast variation can be achieved through the use of varying gray shade patterns.
Bright Spots/Lines	Spots or lines appear light in the display patterns. Defects do not vary in size or intensity (contrast) when contrast voltage is varied. Contrast variation can be achieved through the use of varying gray shade patterns.
Polarizer Scratch	When the unit lights, lines appear light (white) with display patterns dark and do not vary in size. Physical damage to the polarizer does not damage the glass.
Polarizer Dent	When the unit lights, spots appear light (white) with display patterns dark and do not vary in size. Physical damage to the polarizer that does not damage the glass.
Rubbing Line	Horizontal or diagonal lines that appear gray with the display patterns dark and may have resulted from an "out of control" rubbing process on the polyimide or "waves" on the BEFs or prism sheets.
Newton Ring	The "rainbow" effect caused by non-uniform cell thickness.
Mottling	When the unit lights, variation / non – uniformity (splotchiness) appears light (white) with the display and might vary in size.
Dim Line	When the unit lights, line(s) in the minor (vertical) or major (horizontal) axis appear dim, but not completely on or off.
Cross Lines Off	When the unit lights, lines in both the minor and major axis do not appear.
Bright / Dark Dot	A sub - pixel (R, G, B dot) stuck off / on (electrical).

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4.5.6. Smudges, Streaks and Smears

When viewing the panel oriented so as to maximize reflected light, there shall be no visible smudging, streaking, smearing or other non-uniformity from contaminants, fingerprints, or defects in any of the visible surfaces. This is independent of whether the unit is operating or off.

4.5.7. LCD Inspection

Put LCD panel on inspection table and illuminate the panel with a daylight fluorescent lamp located above the panel surface such that the luminance at the LCD panel is between 1000 lux. and 1500 lux. Defect limits are given as following.

Average Diameter Smaller of (L+W)/2 or L/20 + 2W	Acceptable Number	Minimum Separation
< 0.1mm	Non countable	N / A
0.1mm - 0.3mm	10	15mm
0.31mm - 0.5mm	10	15mm
0.51mm - 1.25mm	5	15mm
1.26mm - 2.5mm	3	25.4mm
2.51mm - 3.0mm	3	25.4mm
Greater than 3.75mm	None	Not applicable

Allowable distance between spots of two sizes is the minimum separation number for the smaller spot.

Therefore, if there are two spots, 1.30mm and 0.4mm in diameter, they must be at least 15mm apart.

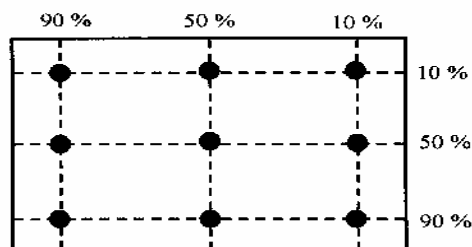
Note: Per panel specification, over the life of the product, variation of parameters specified in Panel specification shall be maintained within reasonable limits. Check supplier quality inspection criteria for the detail information.

5. Optical Characteristics:

5.1. Brightness uniformity

The uniformity is determined by using a photometer (CA-210) to measure the 9 points luminance in front of monitor after at least 30 minutes warm up. It shall be test at 1680x1050/60Hz mode and full white square pattern with contrast and brightness in default value. The values specified are at an approximate distance 20 cm from the LCD surface and at 0 viewing angle.

5.1.1. The 9 test points are defined as the right photo.



5.1.2. The brightness uniformity is calculated as below :

$$\text{Uniformity} = \frac{\text{Minimum Luminance in 9 Points (1-9)}}{\text{Maximum Luminance in 9 Points (1-9)}}$$

Brightness uniformity $\geq 75\%$

Go to cover page

5.2. Contrast ratio (CR)

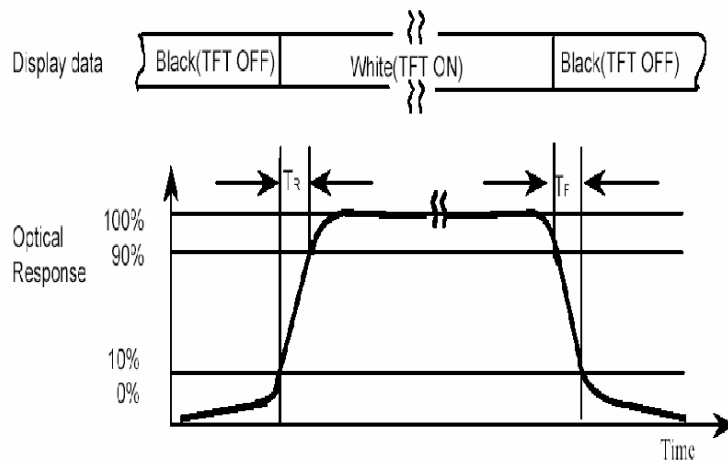
The contrast ratio is determined by using a photometer (CA-210) to measure the maximum and minimum luminance in front of monitor after at least 30 minutes warm up. It shall be test at 1680x1050/60Hz mode and full white/full black square pattern with contrast/brightness in default value. The values specified are at an approximate distance 20 cm from the LCD surface and at 0 viewing angle. The contrast ratio is calculated as below:

$$CR = (\text{Max. full white luminance}) / (\text{Max. full black luminance})$$

$$CR = 800:1(\text{typ})$$

5.3. Response time

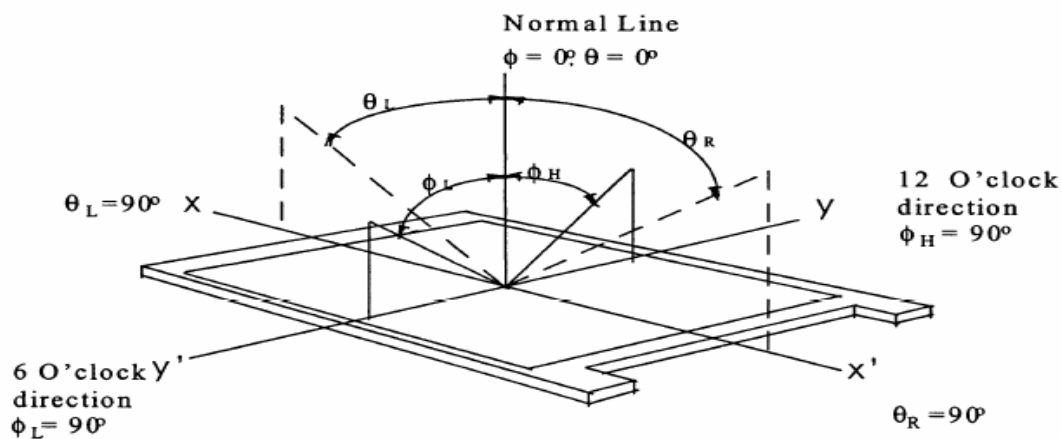
The response time is defined as below:



$$Tr + Tf: 5 \text{ msec typ.}$$

5.4. Viewing angles

The viewing angles are measured at CR=10 as below:



- Horizontal Left: 80 degrees typ. (M201EW02 V1);
 Right: 80 degrees typ. (M201EW02 V1);
 VerticalUp: 80 degrees typ. (M201EW02 V1);
 Down: 80 degrees typ. (M201EW02 V1);

◀◀ Go to cover page

5.5. Chromaticity

The color chromaticity is measured by a photometer (CA-210) at 1680x1050/60Hz mode and full white square pattern with contrast/brightness in default value. The x and y co-ordinates for 9300K, 8200K, 7500K, 6500K and 5000K. Preset mode shall be as below:

9300K Preset : $0.253 \leq x \leq 0.313$; $0.268 \leq y \leq 0.328$

7500K Preset : $0.269 \leq x \leq 0.329$; $0.285 \leq y \leq 0.345$

6500K Preset : $0.283 \leq x \leq 0.343$; $0.299 \leq y \leq 0.359$

5000K Preset: $0.314 \leq x \leq 0.375$; $0.329 \leq y \leq 0.389$

8200K Preset: $0.262 \leq x \leq 0.322$; $0.277 \leq y \leq 0.337$

5.6. Brightness

The uniformity is determined by using a photometer (CA-210) to measure luminance on the center of screen after at least 30 minutes warm up. It shall be test at 1680x1050/60Hz mode and full white square pattern with contrast at default and brightness at max conditions. The values specified are at an approximate distance 20 cm from the LCD surface and at 0 viewing angle. The brightness at 6500K Preset mode shall be 240 cd/m² min. (M201EW02 V1)

Note: Per panel specification, over the life of the product, variation of parameters specification Panel specification shall be maintained within reasonable limits. Check supplier quality inspection criteria for the detail information.

6. Environmental Requirements:

6.1. Temperature Ranges

Operating Temperature (guaranteed functional performance): 0°C to 50°C

Operating Temperature (guaranteed optical performance): 5°C to 35°C

Shipping Temperature: -20°C to 60°C

Storage Temperature: -20°C to 60°C

6.2. Humidity

Operating (non-condensing) : 10% to 80%

Shipping (non-condensing) : 5% to 90%

Storage (non-condensing) : 5% to 90%

6.3. Altitude

Operating 0 to +12,000 feet [3,658m].

Equivalent to 14.7 to 10.1 psia.

Shipping (Non-Operating) 0 to +40,000 feet [12,192m].

Equivalent to 14.7 to 4.4 psia.

6.4. Vibration Test Procedure

- 6.4.1. Vibration System. Perform in accordance with Liteon Spec.
- 6.4.2. Fixturing. The packaged product shall be secured to the vibration table to prevent the package from moving off the vibration surface during test.
- 6.4.3. Test Axes. The packaged product shall undergo random profile vibration on all six (6) surfaces for a duration of 30 minutes per surface.
- 6.4.4. Random Vibration Spectrum. The total random vibration spectrum energy shall be 1.15 Grms and follow spectrum specified below.

Random Vibration Spectrum Break Points

Frequency (Hz)	PSD , G ² /Hz
1	0.0001
4	0.01
100	0.01
200	0.001

- 6.4.5. Acceptance Criteria. The package and its contents should be inspected and evaluated for failure against the Acceptance Criteria. Ref. Section 4.0 Packaged Product Testing.

7. RGB settings

The red, green and blue areas shall be measured at a digital input signal full white square pattern at 1680x1050, fH=65.3kHz/fV=60Hz mode with default color temperature setting (Normal Preset = 6500K). The u' and v' co-ordinates for R, G and B shall be setting as follows:

Red $u' \geq 0.411, v' \geq 0.503$

Green $u' \leq 0.140, v' \geq 0.548$

Blue $u' \leq 0.200, v' \leq 0.224$

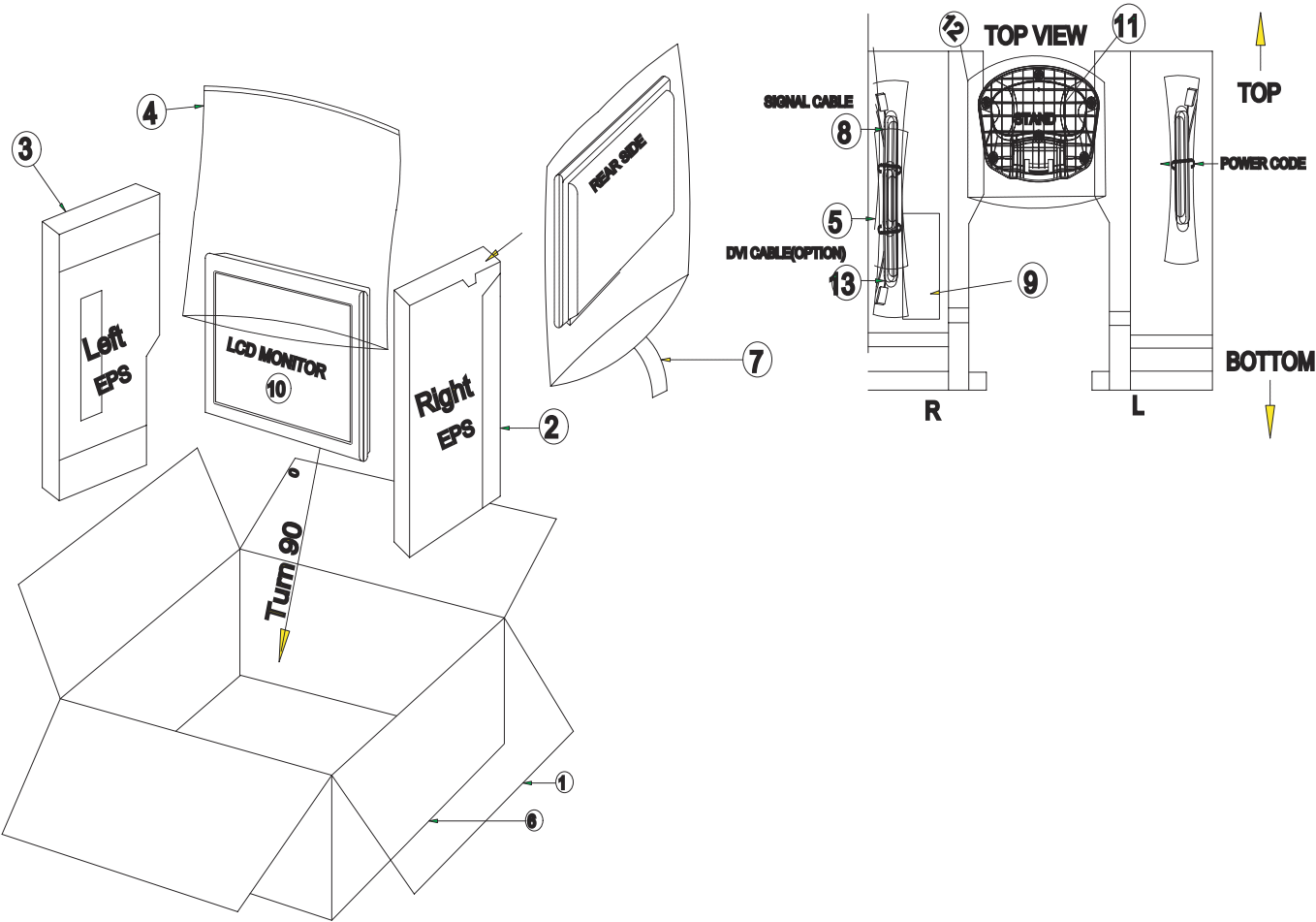
8. Color grayscale linearity

The co-ordinates of color grayscale shall be measured at a digital input signal full grayscale square pattern at 640x480, fH=31.5 kHz/fV=60Hz mode with default color temperature setting (Normal Preset = 6500K). The measured u' and v' co-ordinates at grayscale 255,225,195,165,135,105 should meet the spec. as follows :

$$\Delta u'v' = ((u'_{\max} - u'_{\min})^2 + (v'_{\max} - v'_{\min})^2)^{1/2} \leq 0.02$$

Go to cover page

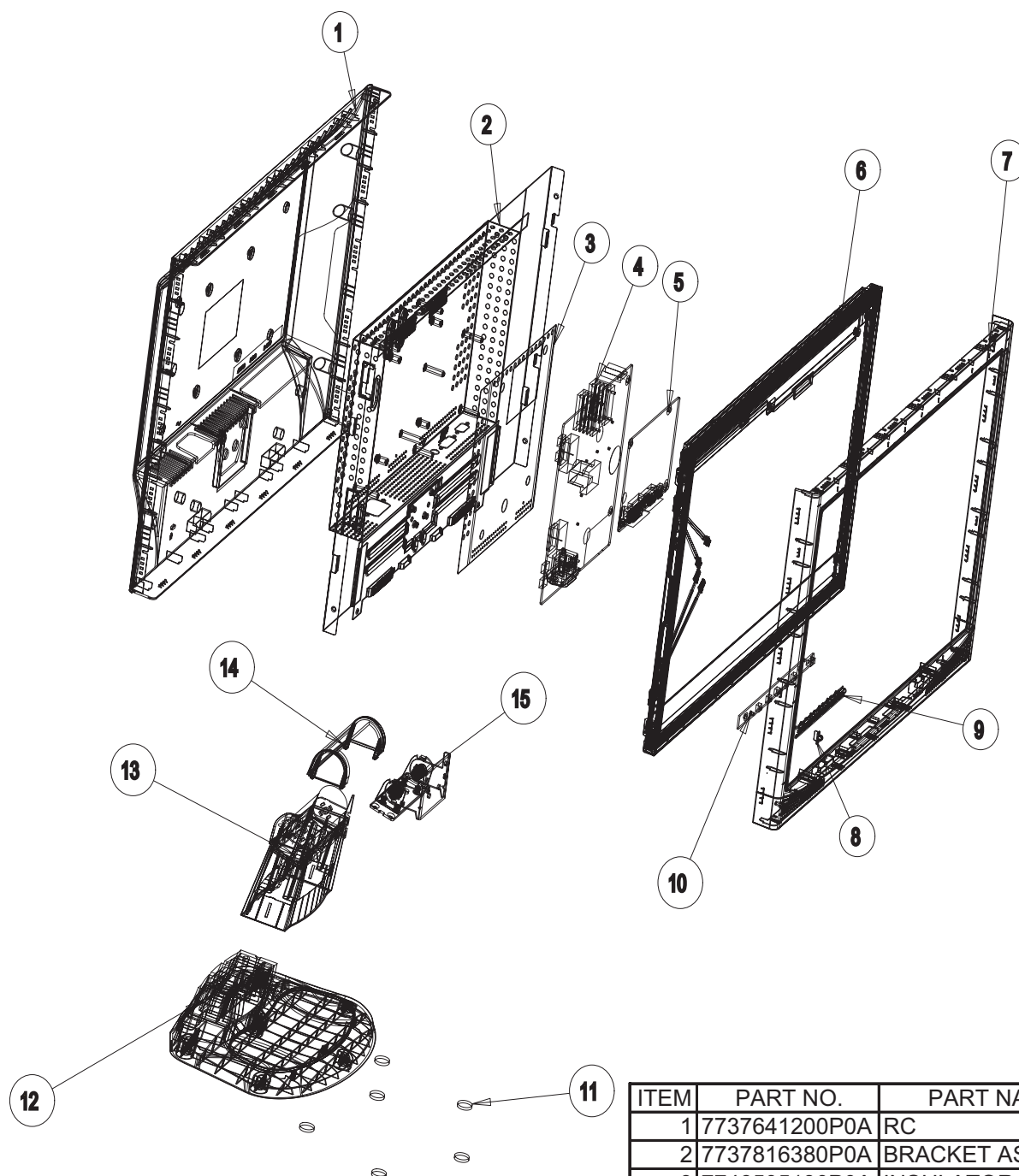
9. PACKING EXPLODED DRAWING:



ITEM	QTY	PART NO	DESCRIPTION	DRAW NO	REMARK
①	1	7740100300	CARTON	0340004337	
②	1	7740100300	EPS-R	0340000304	
③	1	7740100300	EPS-L		
④	1	7740001000	P.E. BAG	0340000304	LCD MONITOR
⑤	1	7740000000	P.E. BAG	0440000000	SIGNAL CABLE
⑥	1	7740000000	TAPE	0440004457	914M
⑦	1	7740000000	TAPE	0440004210	25mm(W)
⑧	1	7740100300	WIRING TIES	0440000040	200x2.5mm
⑨	1		USERS MANUAL		
⑩	1		LCD MONITOR		
⑪	1	7740100300	STAND		
⑫	1	7740000000	P.E. BAG	0440000000	300x300x0.05mm
⑬	1	7740100300	WIRING TIES	0440000040	200x2.5mm

◀◀ Go to cover page

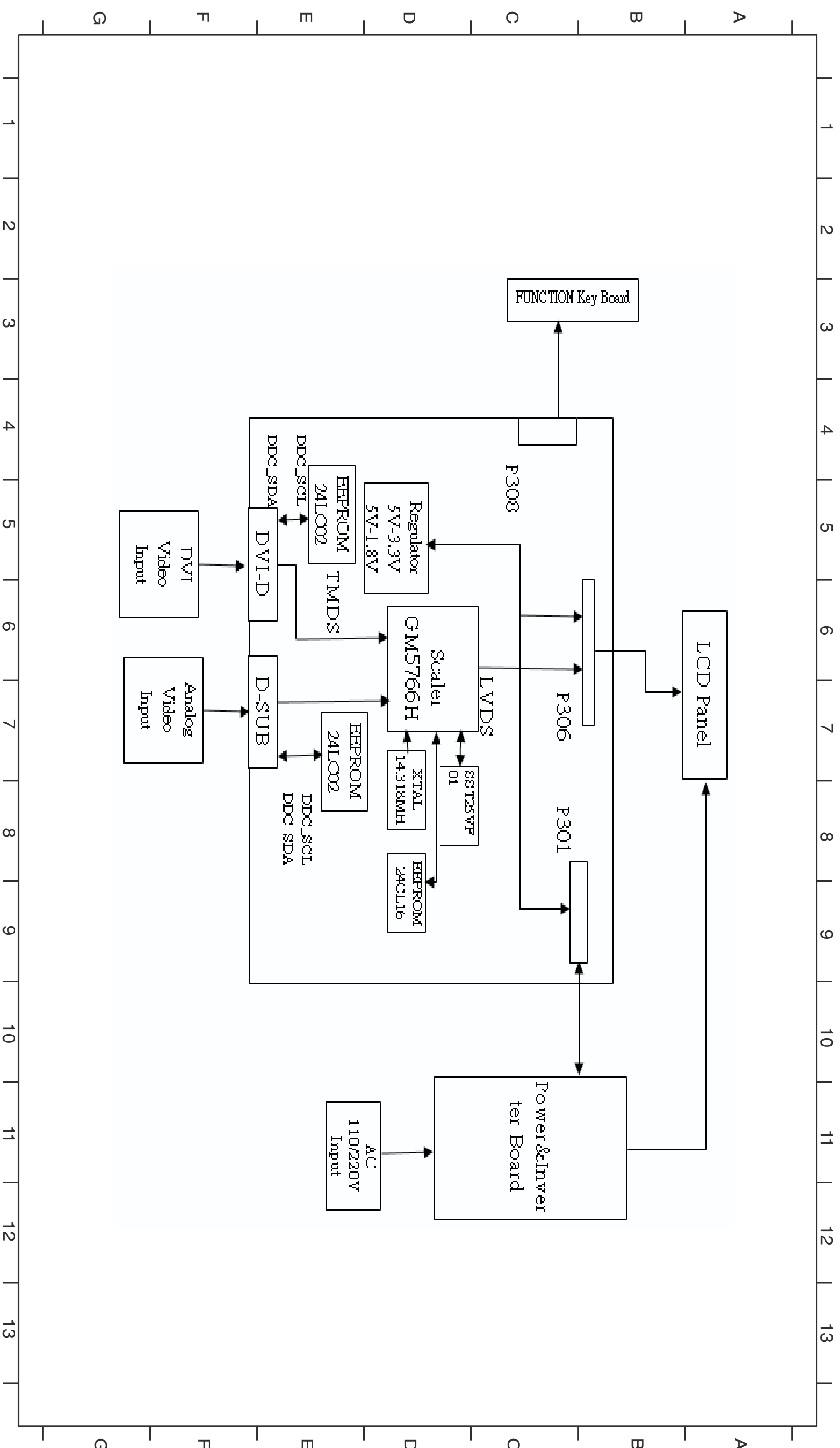
10. PRODUCT EXPLODED DIAGRAM:

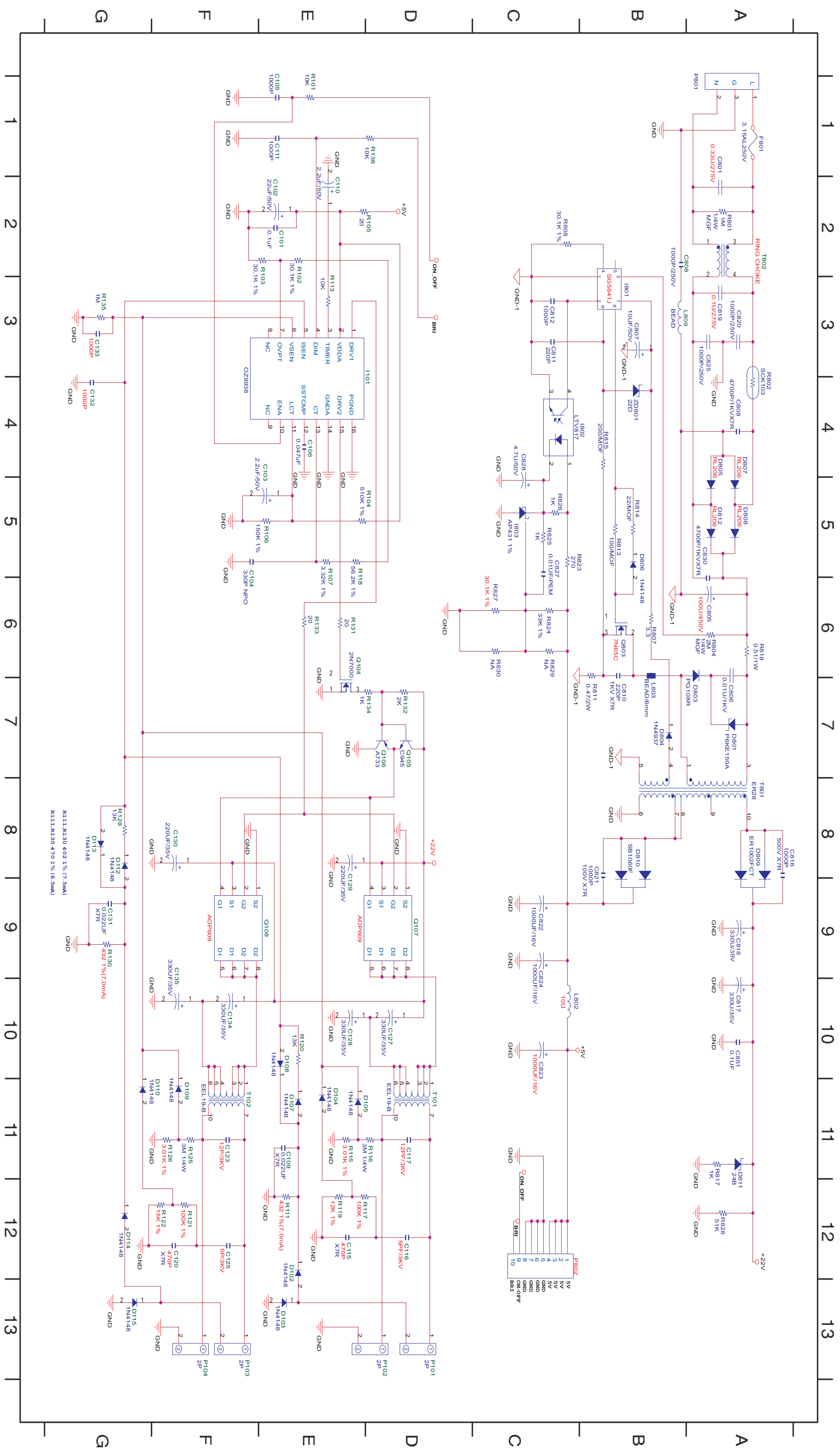


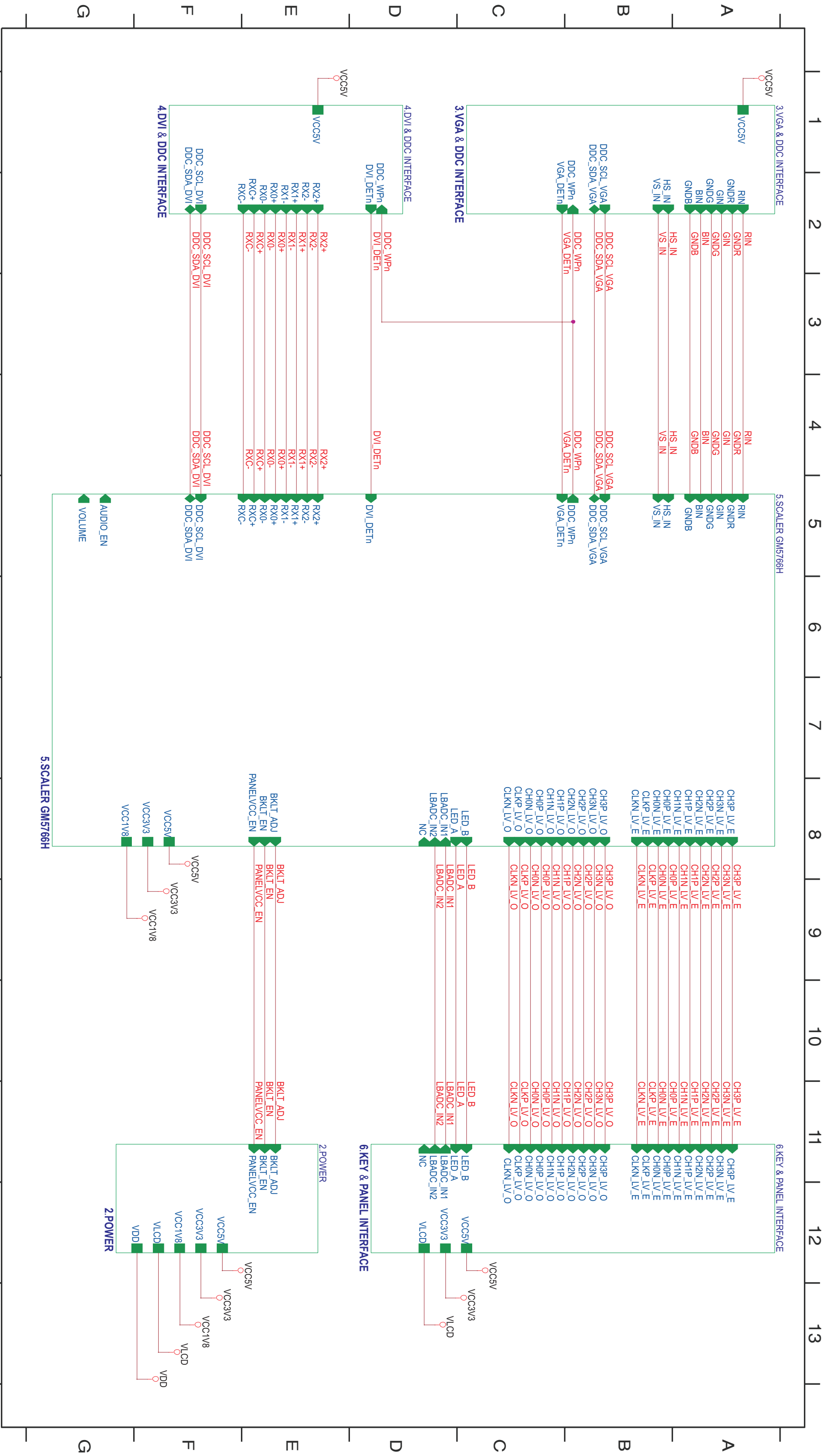
ITEM	PART NO.	PART NAME	Q'TY
1	7737641200P0A	RC	1
2	7737816380P0A	BRACKET ASS'Y	1
3	7746505130P0A	INSULATOR	1
4	5114300811P	POWER BD	1
5	5113301834P	INTERFACE BD	1
6		PANEL	1
7	7742240251P0A	FC	1
8	7742303000P0A	LENS-LED	1
9	7742808011P0A	PUSH-BUTTON	1
10		FUNCTION KEY BD	6
11	7742005070P0A	RUBBER	1
12	7740416041P0A	BASE STAND	1
13	7742616171P0A	STAND COVER	1
14	7742616161P0A	HINGE COVER	1
15	7738001670P0A	HINGE ASS'Y	1

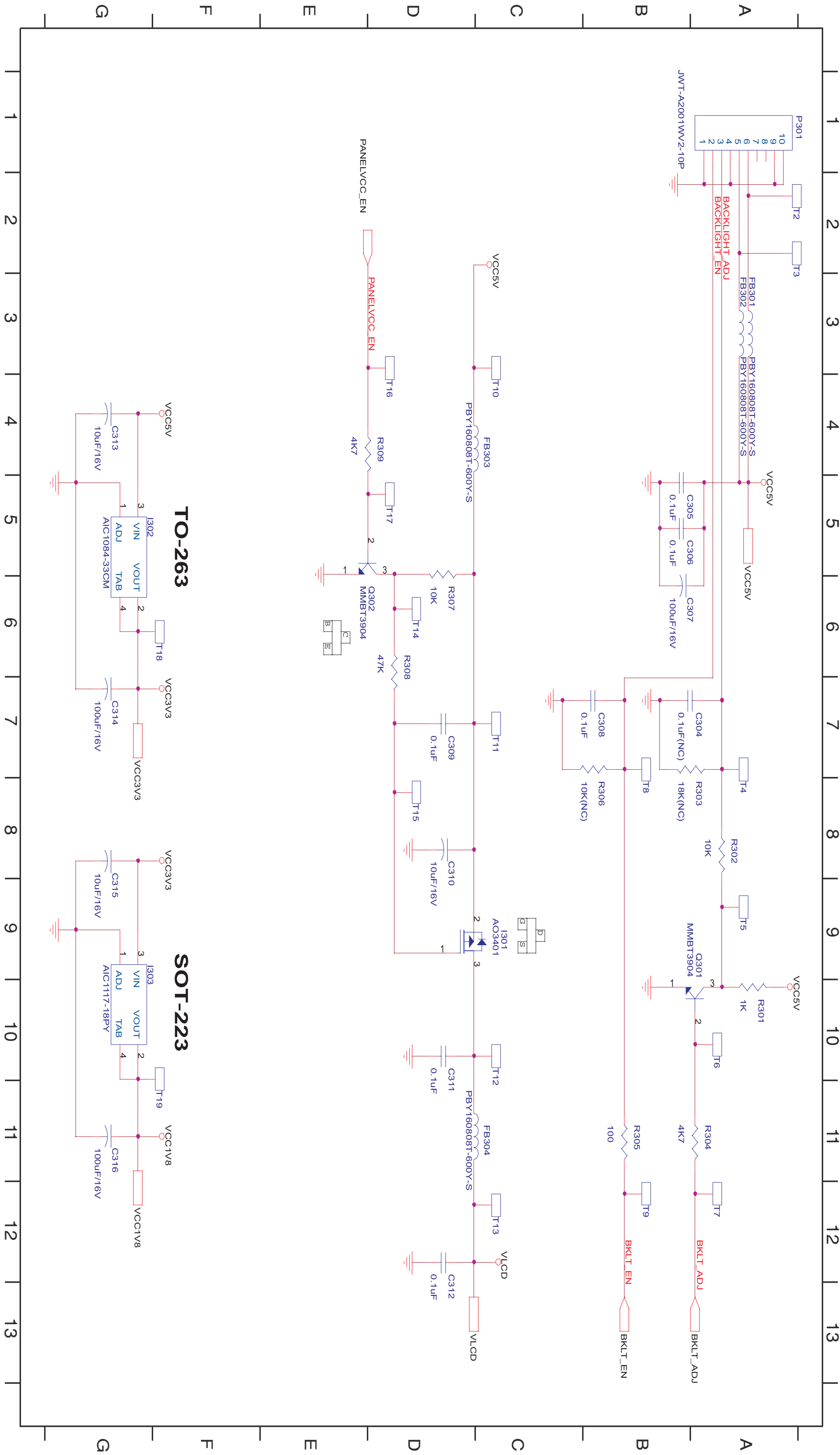
11. Schematics and Layouts:

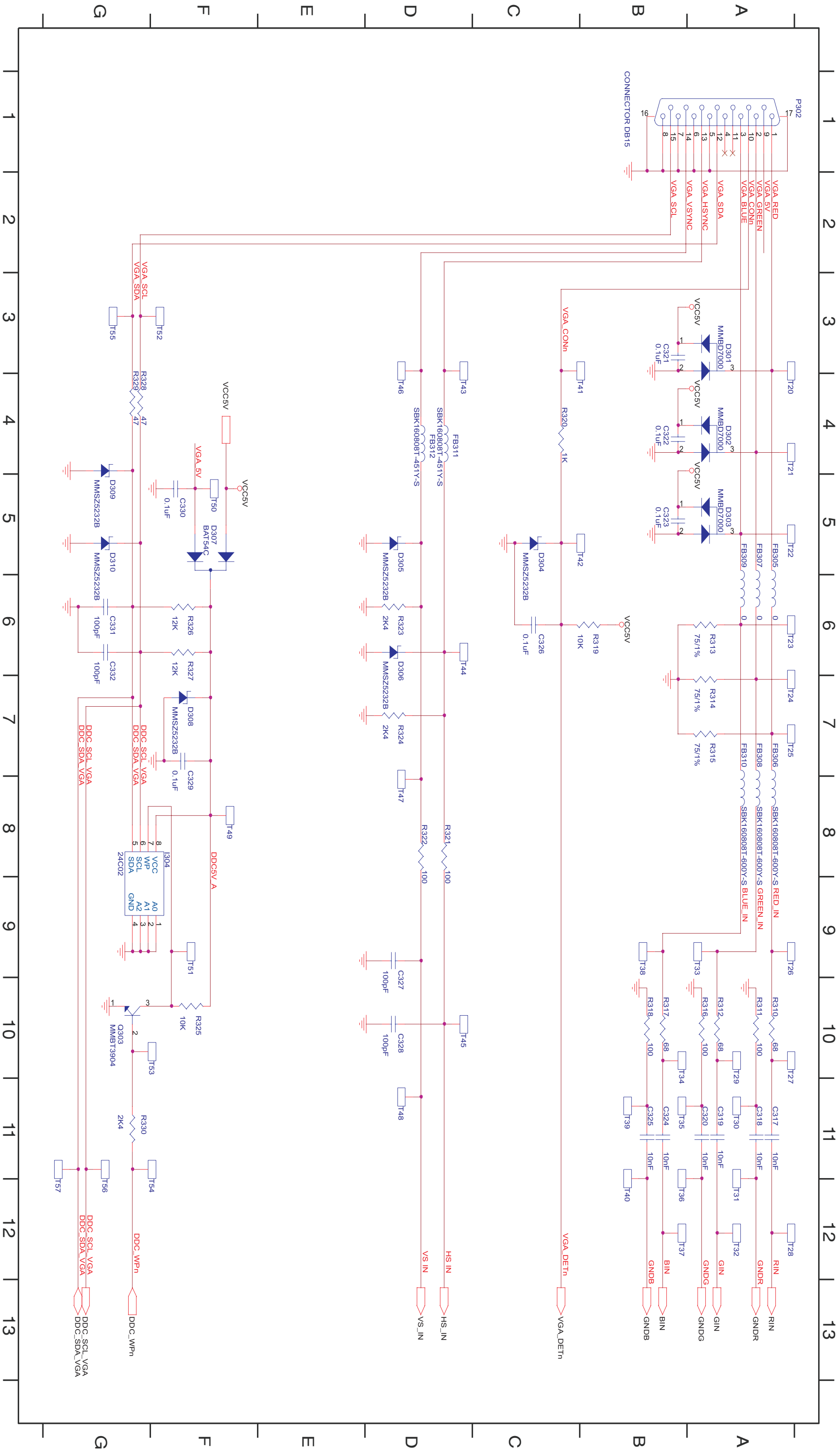
11.1 ACER_AL2002W (T20BAUW-G1)_BLOCK DIAGRAM

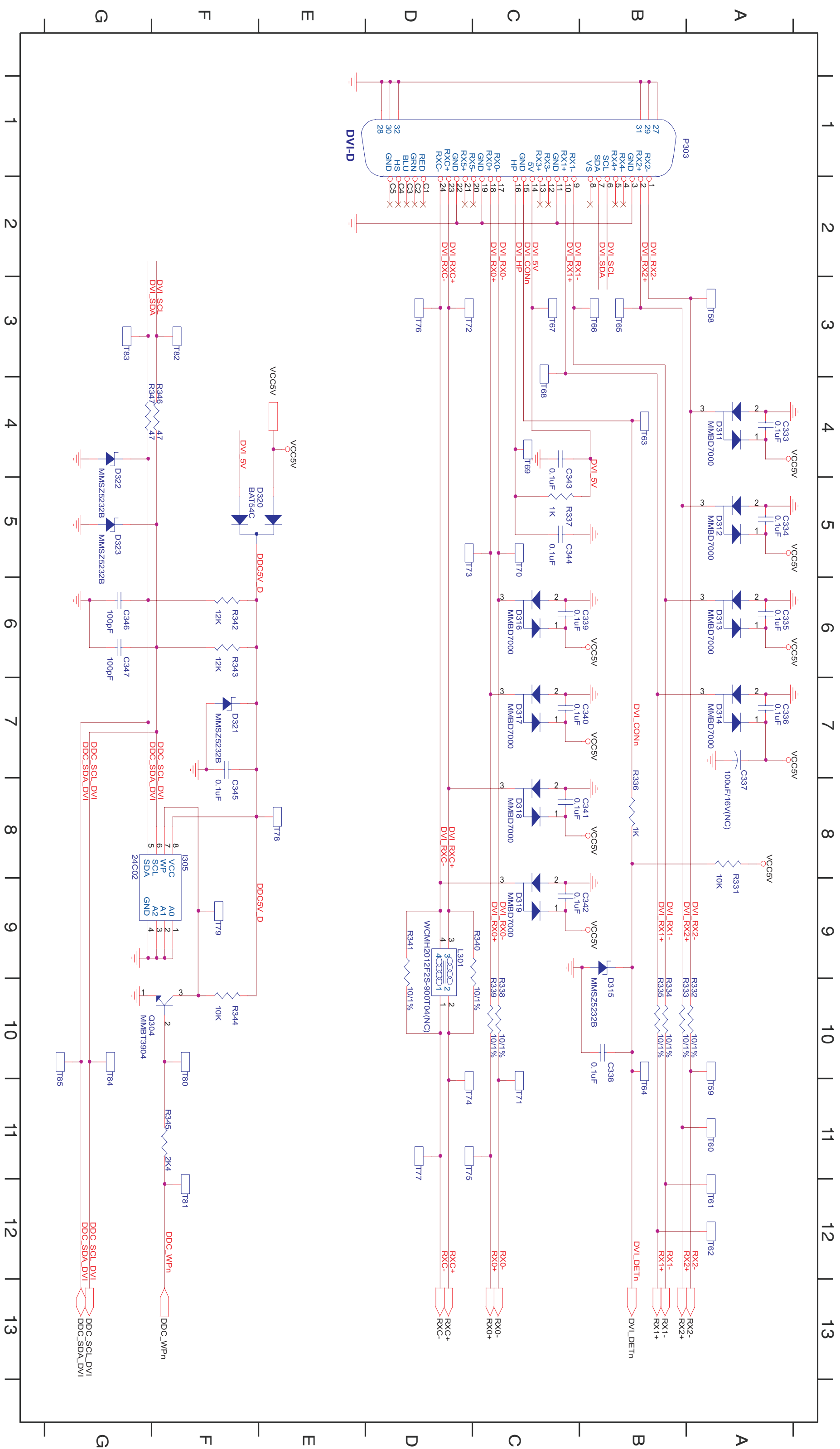


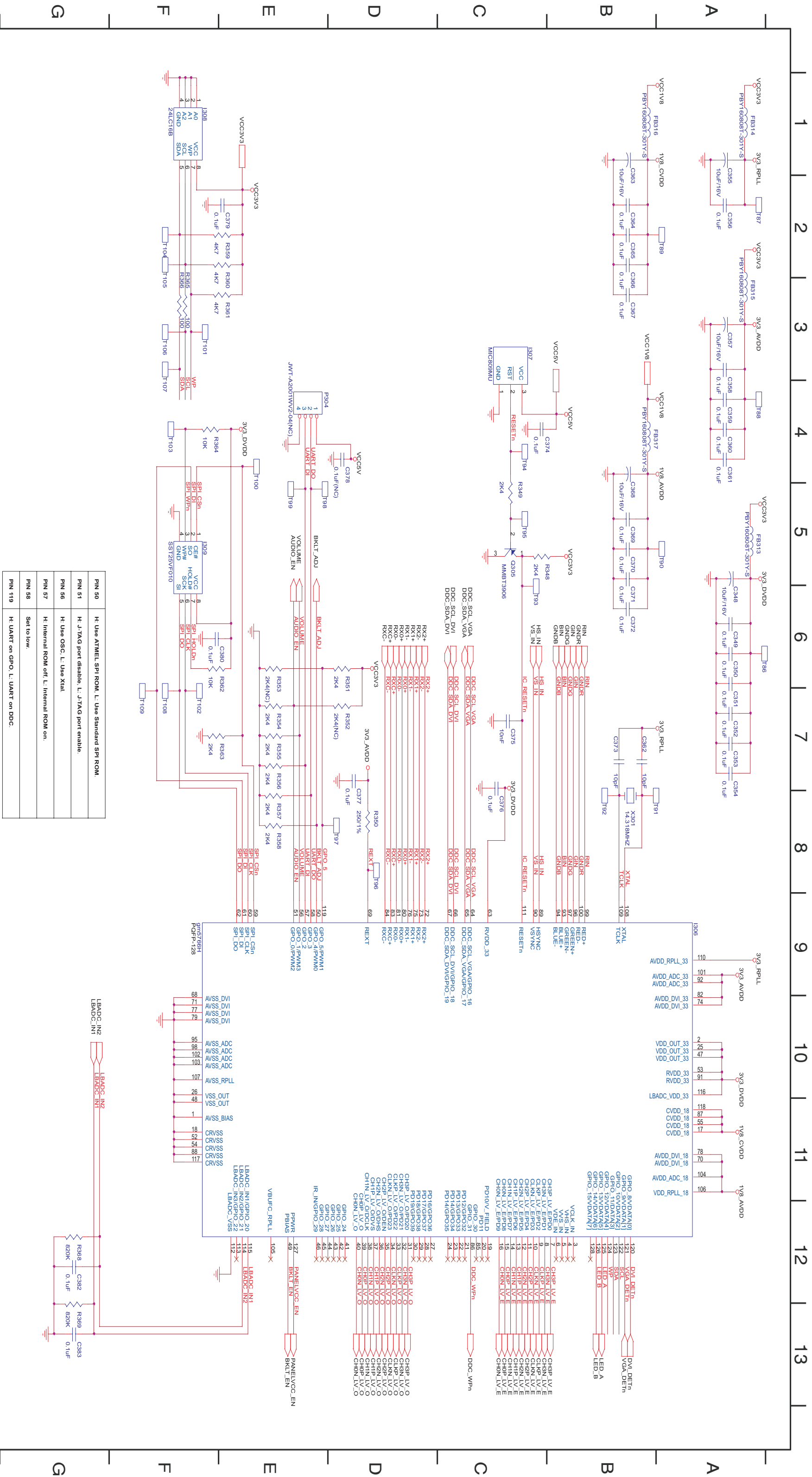


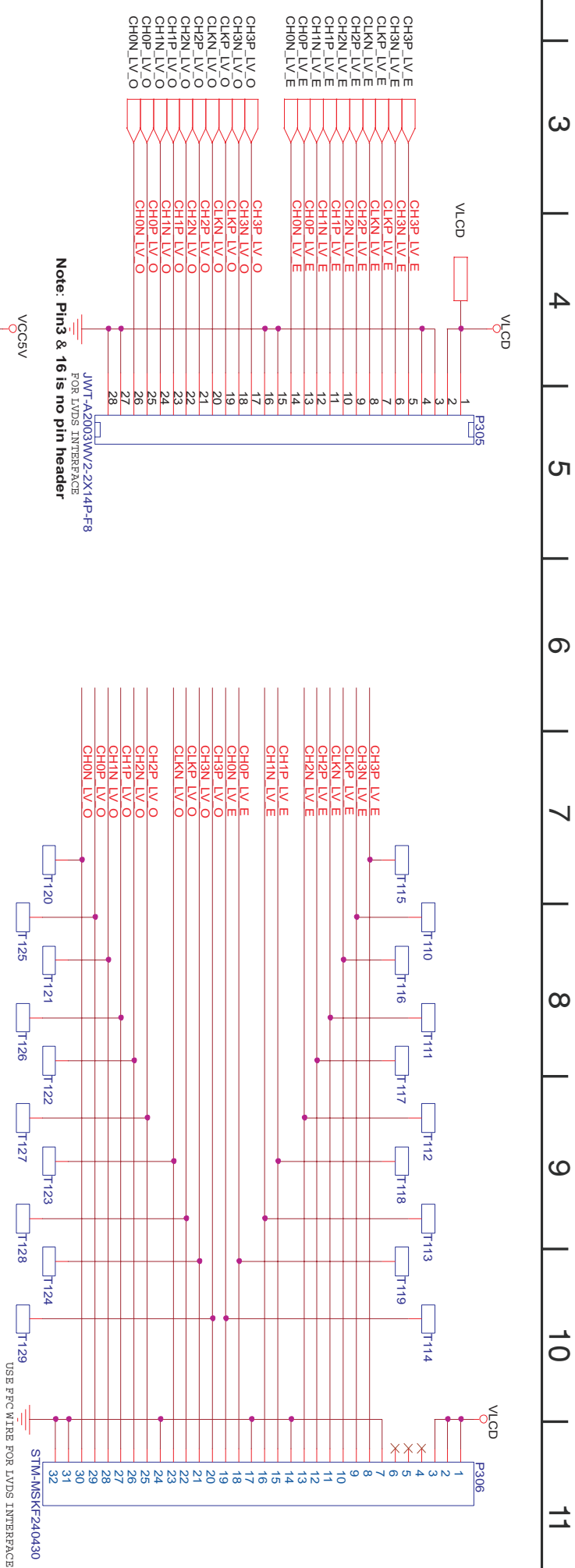




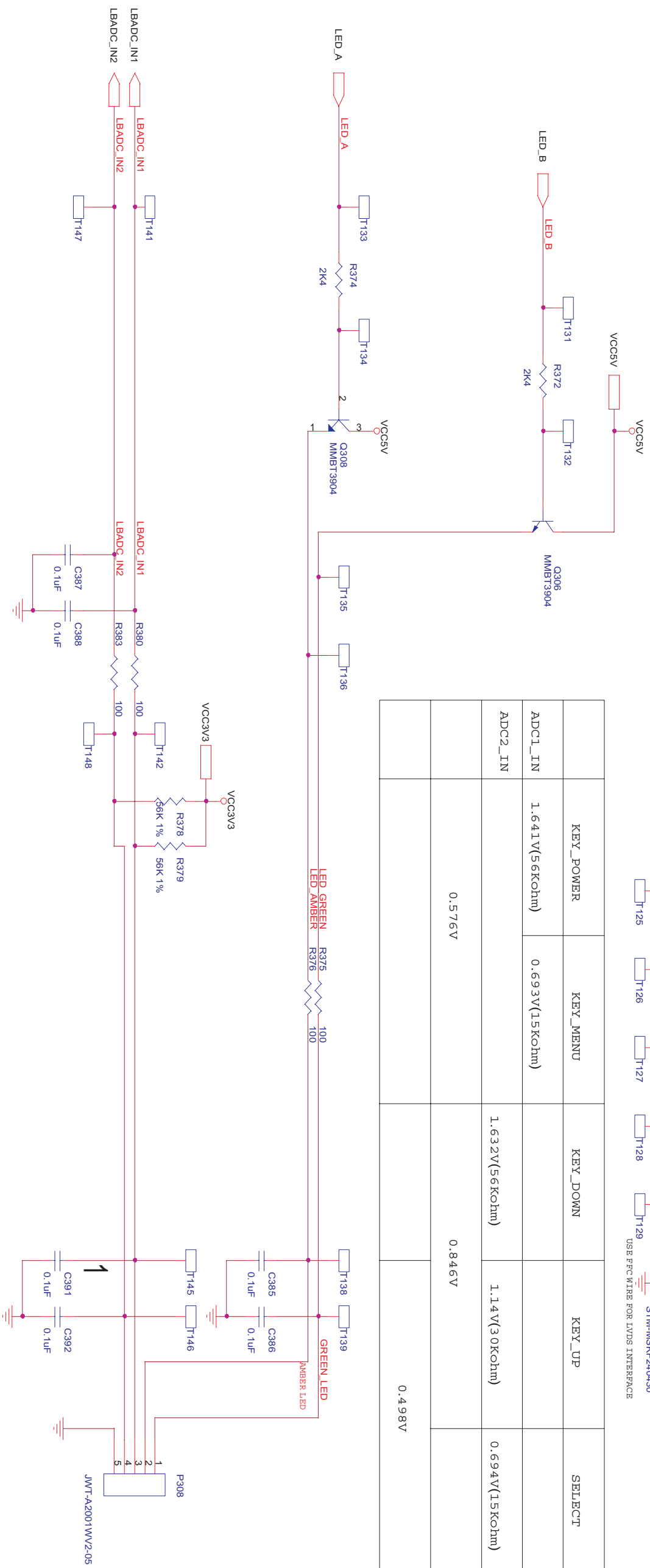


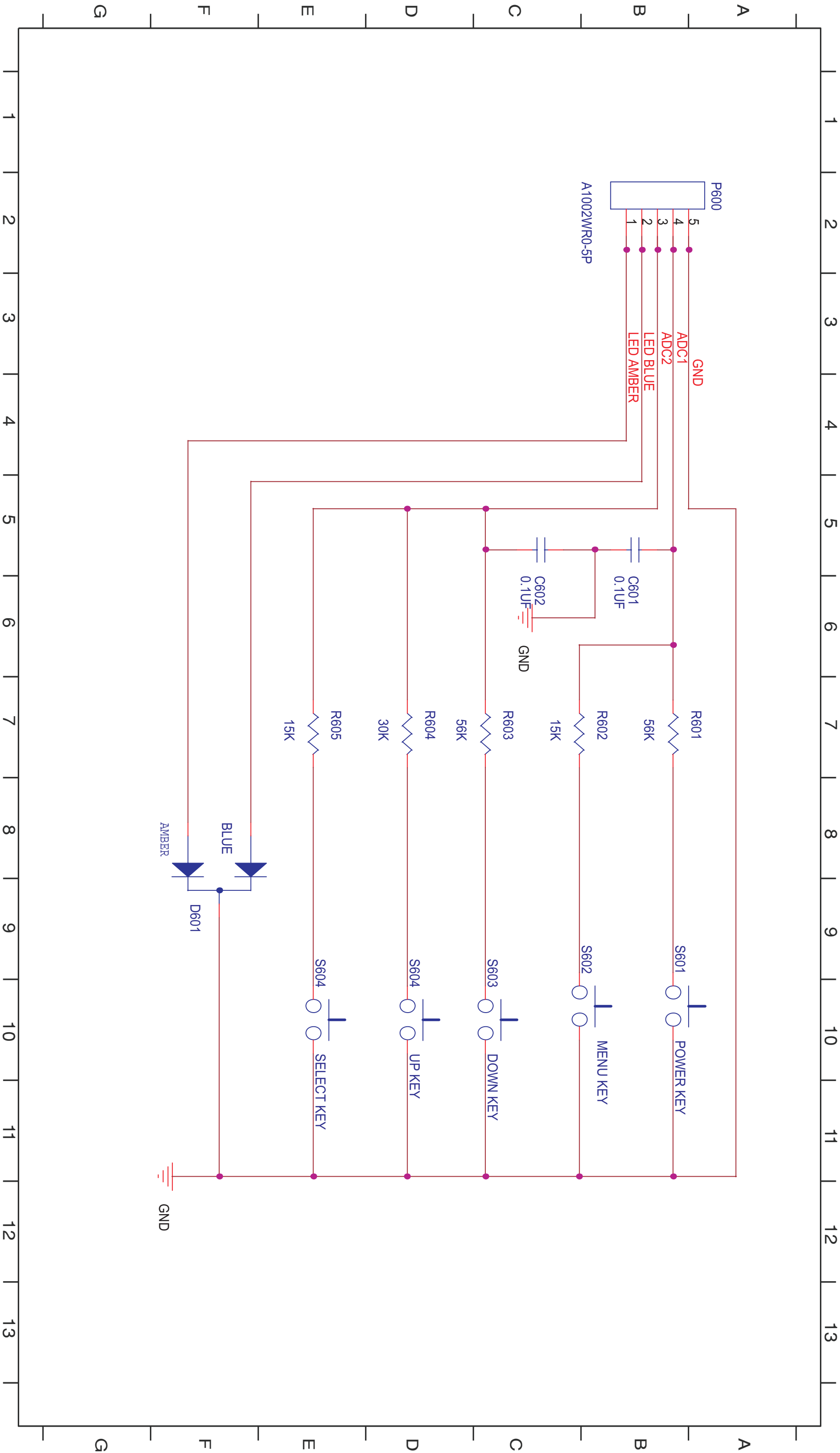


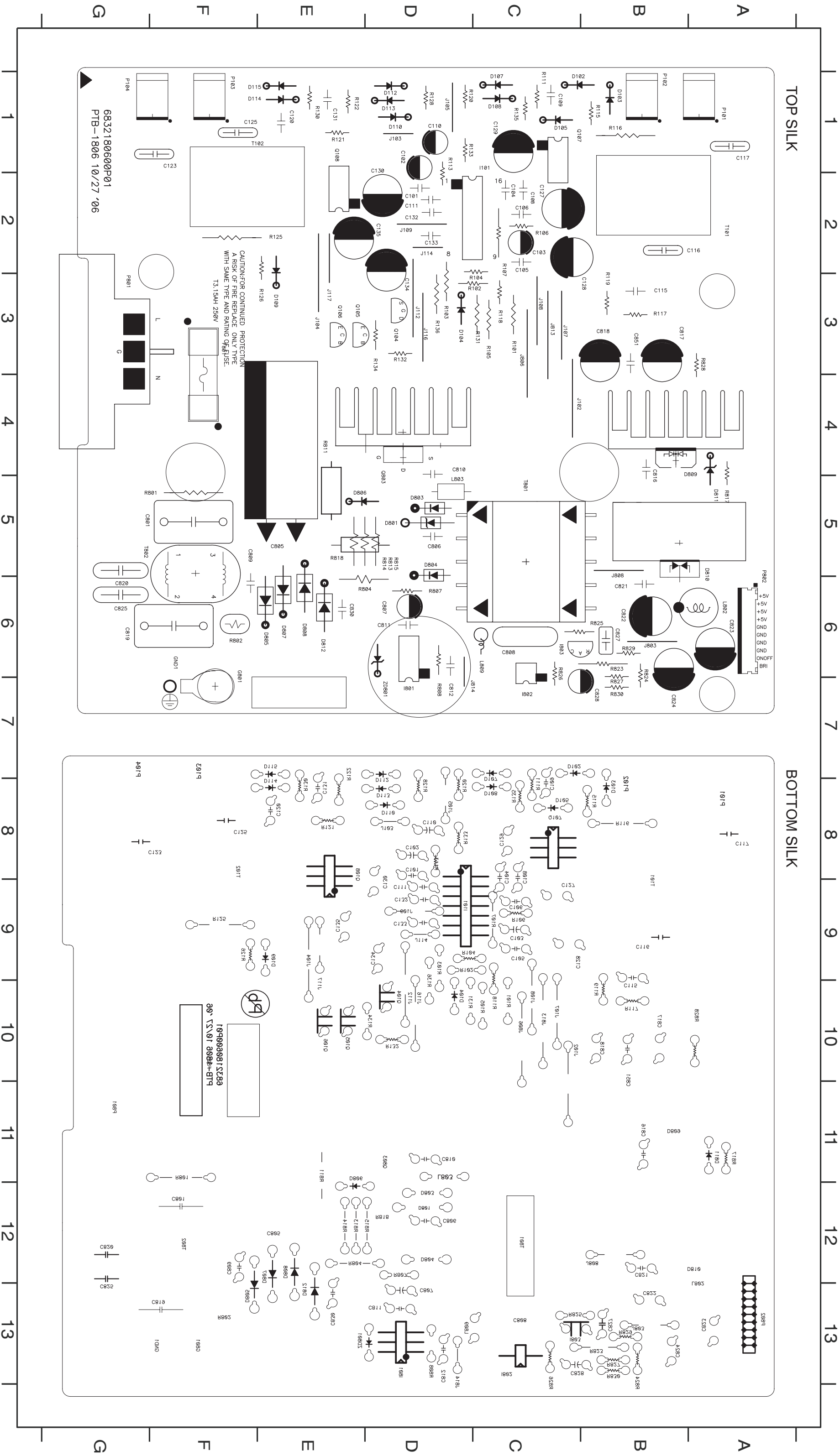


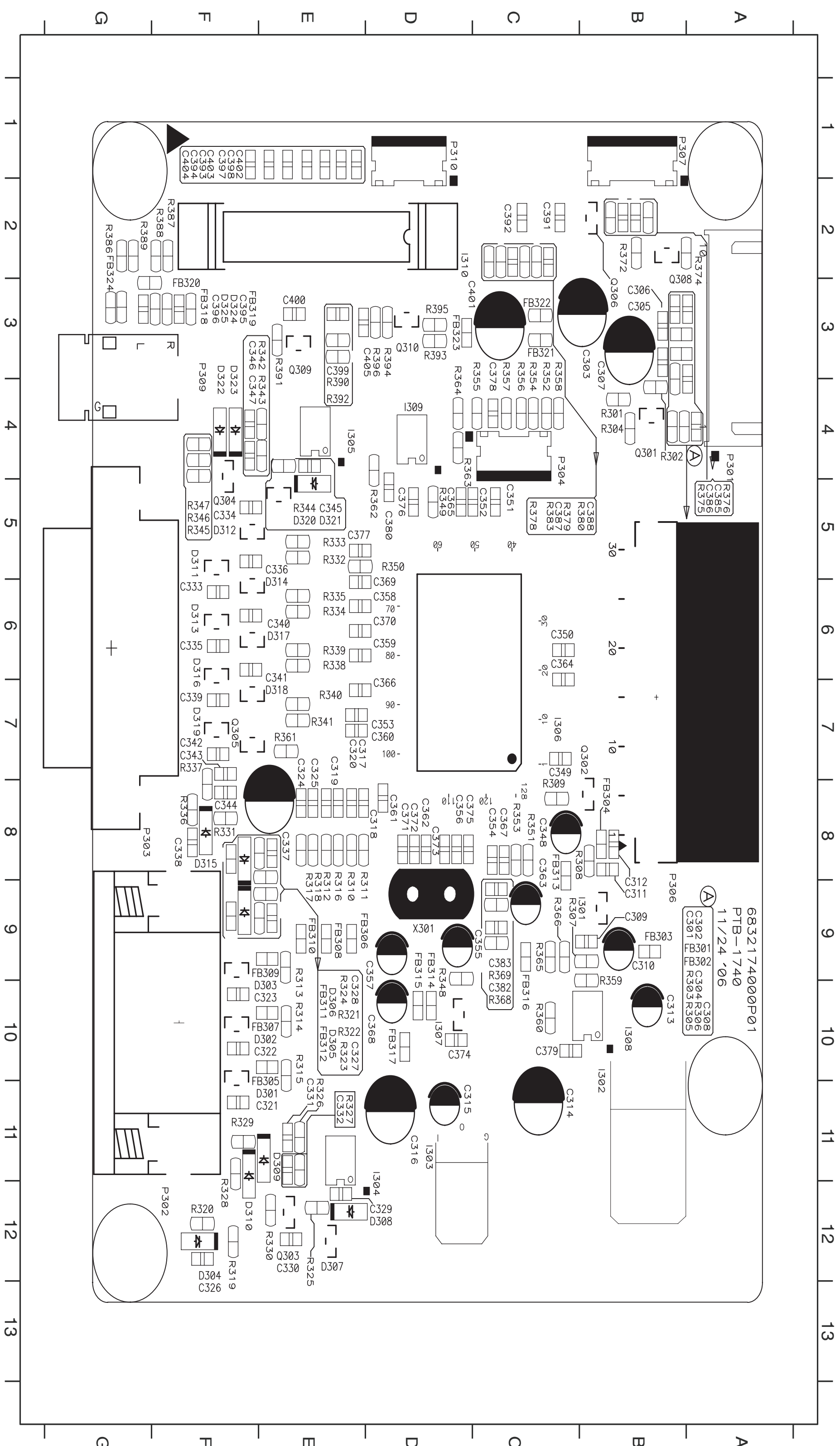


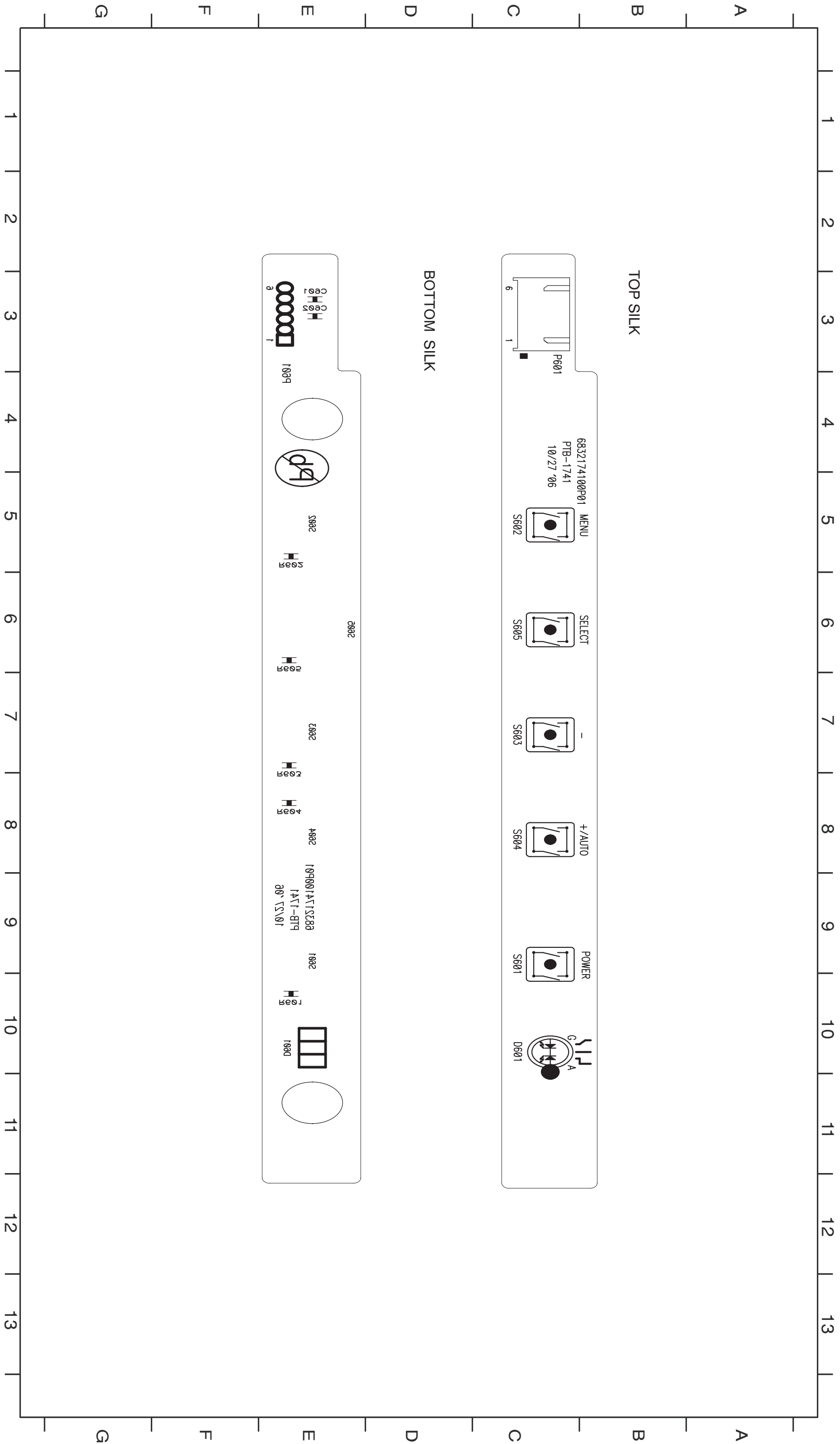
	KEY_POWER	KEY_MENU	KEY_DOWN	KEY_UP	SELECT
ADC1_IN	1.641V(56Kohm)	0.693V(15Kohm)			
ADC2_IN			1.632V(56Kohm)	1.14V(30Kohm)	0.694V(15Kohm)
	0.576V		0.846V		
				0.498V	







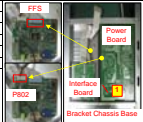

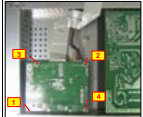


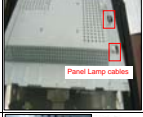
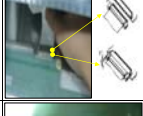

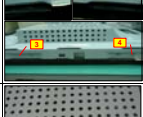
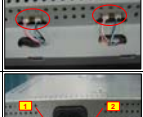

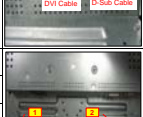



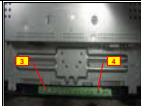





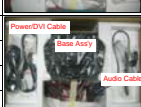




ACER AL2002W

ACER AL2002W ASSEMBLY PROCEDURES

MODEL:T20BNUW-G1(99)#U14(C)_ACER_AL2002W
PIN_4092531143P

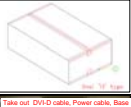








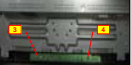

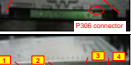
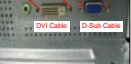




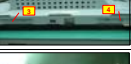


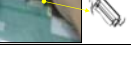



Station	Tasks	Steps	Procedures	Part Number	Parts Usage	Qty	Photo	Remark
1	Bracket Chassis Base preparation	S1	Take a Bracket Chassis Base on a protective cushion.	7737816290PDA	BRACKET ASSY_CHASSIS_ACER T20BNUW_SGCC	1		-
2	Assemble the Power Board and Interface Board to Bracket Chassis Base	S2	Take the Power Board and Interface Board for assembly.	-	-	-	-	-
		S3	Put both boards on the specific positions of Bracket Chassis Base.	5114300811P	T20BAUW-G_LITEON POWER BD	1	-	-
		S4	Connect FFC cable to the Interface Board.	5113301834P	T20BNUW-G1_ACER INTERFACE BD	1	-	-
		S5	Connect P802 cable to the Interface Board.	6712300044PCO	HARNESS_FFC_30P(1.0)_220_20698_P-TWO	1	-	-
		S6	Use a cross-head screwdriver screwed the No.1 screw on the Power Board.	6711100005P90	HARNESS_10P_140mm_1007#24_ETC	1	-	-
3	Fix the Power Board on the Bracket Chassis Base with other three screws	S7	Use a cross-head screwdriver screwed the No.2~4 screws on the Power Board.	7116240081POA	SCREW-MACHINE-Star Washer-Pan-M4-8-Zn	1		Screw Size=M4x8; Torque=9~10KGF.CM
		S8	Use a cross-head screwdriver screwed the No.1~4 screws on the Power Board.	7111230061P	SCREW-MACHINE-Flat Washer-Pan-M3-6-Zn	3		Screw Size=M3x6; Torque=9~10KGF.CM
5	Model labels sticked	S9	Tape the model labels on the Power Board and Interface Board.	7749600200PDA	TAPE_MASKING_PACKING_25mm(w)x45m_LITEON	1		-
				7735421811PDA	LABEL_PACKING LB_WHT_152.4x101.6_ALL	1	-	-
				7735431710PDA	LABEL_MODEL LABEL_#6800_90x60mm_ACER_T20	1	-	-
6	Panel preparation	S10	Put a panel on a protective cushion and examine the surface see if has any unexpect dust or scratch.	6814202010P24	LCD_20"_M201EW02 V1(LTC)_AUO	1		Refer to LCD Panel Inspection Criteria of supplier for the detail.
		S11	Turn over the panel that metal side is faced up.	-	-	-	-	-
7	LCD Panel and Bracket Chassis module which is attached the Power Board and Interface Board	S12	Put the Bracket Chassis module on the LCD panel and take lamp cables out from the square hole shown as the photo.	-	-	-		-
		S13	Connect FFC cable to LCD panel.	-	-	-		-
		S14	Fix the FFC cable on the panel with one Aluminum tape	-	-	-		-
		S15	Use a cross-head screwdriver screwed the No.1~4 screws on both side of LCD panel and Bracket Chassis module.	7740201780PDA	SCREW_MACHING_WITHOUT_FLAT HEAD_M3x5_NI	4		Screw Size=M3x5; Torque=2.0~2.5KGF.CM
8	Connect panel lamp cables	S16	Plug 4 lamp cables to the connectors of Power Board.	-	-	-		-
9	AC Power outlet assembly	S17	Use a cross-head screwdriver screwed the No.1~2 screws.	7140330101POA	SCREW_DOUBLE THREAD_NONE_FLAT HEAD_M3_1	2		Screw Size=M3x5; Torque=3.0~5.0KGF.CM
10	D-SUB and DVI cable assembly	S18	Use a Hex screwdriver screwed the DVI-D and D-Sub connectors No.1~4 Hex Nut and fastened two connectors.	7110730082POA	SCREW_MACHINE_NONE_HEX WASHER HEAD_M3_8m	4		Screw Size=M3x8; Torque=4.5~6.5KGF.KGF.CM
11	Front Bezel and LCD module assembly	S19	Put a Front Bezel on the protective cushion.	7737516151POA	FC ASSY_#6790/#6810P_ABS 94HB_ACER	1		-
		S20	Put the LCD module on the Front Bezel.	-	-	-	-	-
		S21	Use a cross-head screwdriver screwed the No.1~2 screws.	7140130081POA	SCREW_DOUBLE THREAD_ROUND_M3_8L_YELLOW	2	-	Screw Size=M3x8; Torque=3~3.5KGF.KGF.CM
		S22	Connect the Key Function cable to the P306 connector.	-	-	-	-	-

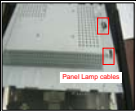

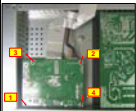
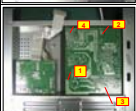
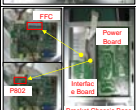

12	Key Function Board assembly	S23	Use a cross-head screwdriver screwed the No.3~4 screws.	7140130081P0A	SCREW_DOUBLE THREAD_ROUND_M3_8L_YELLOW	2		Screw Size=M3x8; Torque=3~3.5KGFKGF.CM
13	Rear Bezel assembly	S24	Put a Rear Bezel covered the previous assembled LCD module until both units are firmly attached through the way pressing the 1~4 positions in priority order.	7742241350P0A	RC_#6800_ABS 94HB_ACR_T20ANUW	1		
14	Sand Assembly	S25	Use a cross-head screwdriver screwed the No.1~4 screws.	7117240073P0A	SCREW_MACHINE_WWASHER_PAN_M4x7_BLK_ZINC	4		Screw Size=M4x7; Torque=11~13KGFKGF.CM
		S26	Assemble the cover hinge	7742616161P0A	COVER_HINGE_#6800_ABS 94HB_ACR_T20ANUW_	1		
15	Product packing procedures	S27	Plug the Signal Cable in the D-Sub connector.	6715011603P00	CABLE_VIDEO_DSUBx2_1800mm_BLK_20276#30	1		
		S28	Cover an EPE bag and pack it with a sticky tape.	7749001520P0B	BAG_LDPE_ORDINARY_ALL MODEL_L600xW780x	1		
		S29	Assemble the Left/Right cushion foams (set)	7749106340P0A	CUSHION FORM_EPS_JADE 20W_1232SETS_LEFT&RIGHT	1		
		S30	Put accessories on the top of cushion foam and then put into the carton.	7749205881P0A	CARTON_ACR_T20ANUW_AL2002W_1232SETS	1		
				7730303229P0A	MANUAL_ASSY_ACR_T20ANUW_AL2002W_US	1		
				6716000700P	CABLE_POWER_N_SHLD_1800mm_BLACK_U/C	1		
				7737716351P0A	BASE_ASSY_#6800_ABS 94HB_ACR_T20ANUW_	1		
		S31	Tape the carton label on the specific position of carton	7735431081P0A	Carton Label	1		
		S32	Put carton sheets into the carton.	7749402030P0A	BOARD_CORNER PAPER_L1000xW50x3mm-L1000xW50x3mm	1		
				7749401980P0A	BOARD_CORNER PAPER_L1000xW50x3mm-L2050xW50x3mm	1		
				7749405520P0A	BOARD_CORNER PAPER_L1000xW50x3mm-L1050mmxW800mmxH4mm	1		
		S33	Stick the seal 'H' tapes.	-	-	-		

ACER AL2002W

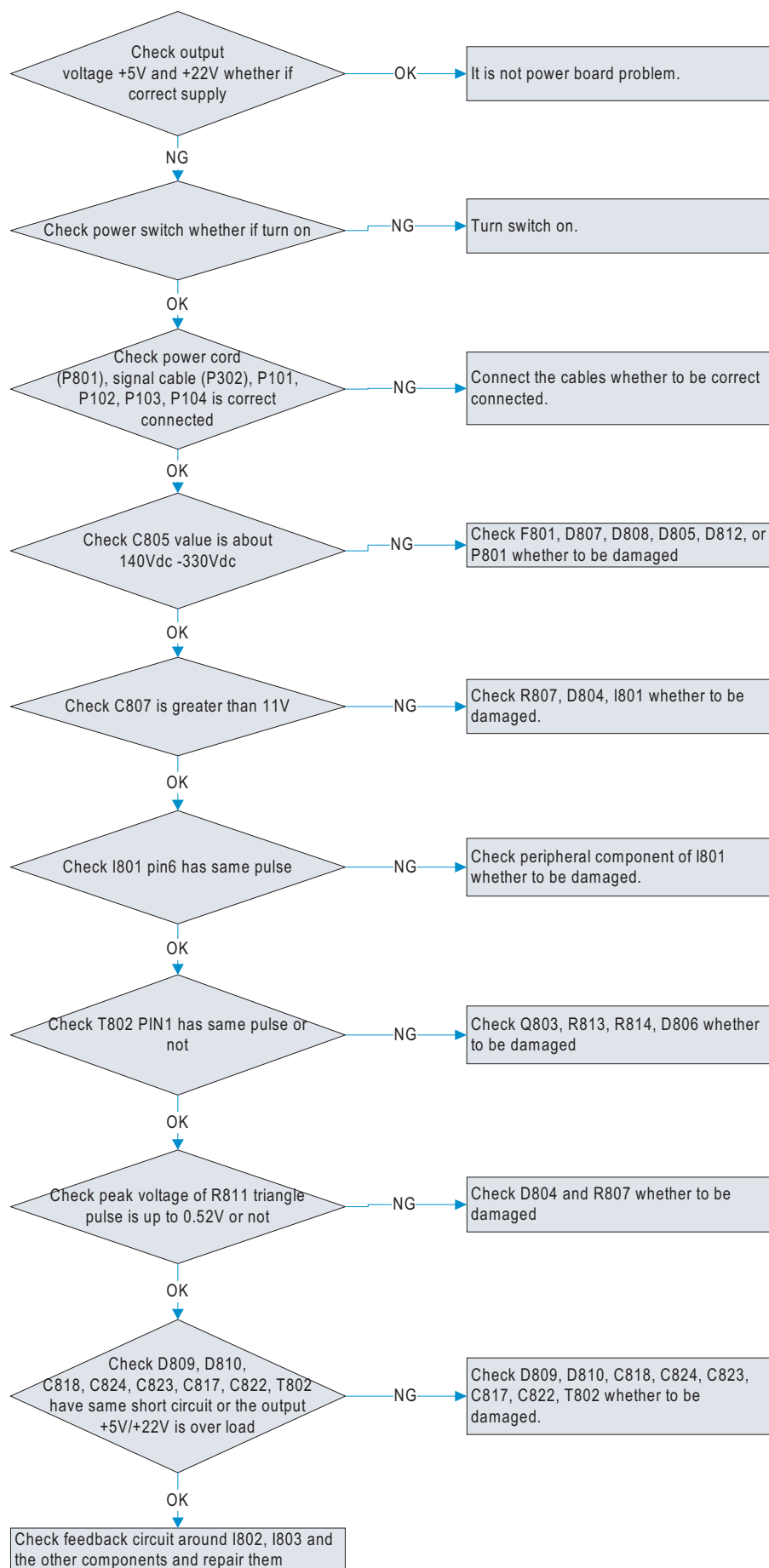
ACER AL2002W DISASSEMBLY PROCEDURES

MODEL:T20BNLW-G1(99)U14(C)_ACER_AL2002W
P/N:4092531143P

Station	Tasks	Steps	Procedures	Part Number	Parts Usage Part Name	Qty	Photo	Remark
1	Product unpacking procedures	S1	Use a proper tool to open the carton.	-	-	-		
		S2	Take out all accessories, action sheets, and cushion foams from the carton. (Optional: it depends on whether if end users return the accessories.)	6715011603P00	CABLE_VIDEO_DSUBx2_1800mm_BLK_20276#30	1		Take out DVI-D cable, Power cable, Base Assy, and Audio cable from carton.
				7749001520P08	BAG_LDPE_ORDINARY_ALL MODEL_L600xW780x	1		
				7749106340P0A	CUSHION FORM_EPS_JADE 20W_1232SETS_LEFT&RIGHT	1		
				7749205881P0A	CARTON_ACER_T20ANLW_AL2002W_1232SETS	1		
				773030329P0A	MANUAL_ASSY_ACER_T20ANLW_AL2002W_US	1		
				6716000700P	CABLE_POWER_N_SHLD_1800mm_BLACK_U/C	1		
				7737716351P0A	BASE_ASSY_#6800_ABS_94HB_ACER_T20ANLW_	1		Discover the EPE bag and disconnect the Signal cable if it is attached.
				7749402030P0A	BOARD_CORNER PAPER_L1000xW50x3mm-L1000xW50x3mm	1		
				7749401980P0A	BOARD_CORNER PAPER_L1000xW50x3mm-L2050xW50x3mm	1		
				7749405520P0A	BOARD_CORNER PAPER_L1000xW50x3mm-L1050mmxW800mmxH4mm	1		
2	Stand disassembly	S3	Disassemble the cover hinge	7742616161P0A	COVER_HINGE_#6800_ABS_94HB_ACER_T20ANLW_	1		
		S4	Use a cross-head screwdriver unscrewed the No.1~4 screws.	7117240073P0A	SCREW_MACHINE_W/WASHER_PAN_M4x7_BLK_ZINC	4		Screw Size=M4x7; Torque=11~13KGF.KGF.CM
3	Rear Bezel disassembly	S5	Use fingernail of '-' screwdriver with tape on the tip to insert into the seam between Rear Bezel and Front Bezel to unlock the Rear Bezel.	7742241350P0A	RC_#6800_ABS_94HB_ACER_T20BNLW	1		
4	Key Function Board disassembly	S6	Use a cross-head screwdriver unscrewed the No.3~4 screws.	7140130081P0A	SCREW_DOUBLE THREAD_ROUND_M3_8L_YELLOW	2		Screw Size=M3x8; Torque=3~3.5KGF.KGF.CM
5	Front Bezel and LCD module disassembly	S7	Disconnect the Key Function cable to the P306 connector.	-	-	-		
		S8	Use a cross-head screwdriver unscrewed the No.1~2 screws.	7140130081P0A	SCREW_DOUBLE THREAD_ROUND_M3_8L_YELLOW	2		Screw Size=M3x8; Torque=3~3.5KGF.KGF.CM
		S9	Use both hand to remove the LCD panel module and put Front Bezel aside.	7737516151P0A	FC_ASSY_#6790/#6810P_ABS_94HB_ACER	1		P306 connector
6	D-SUB and DVI cable disassembly	S10	Use a Hex screwdriver unscrewed the DVI-D and D-Sub connectors No.1~4 Hex Nut to release two connectors.	7110730082P0A	SCREW_MACHINE_NONE_HEX WASHER HEAD_M3_8m	4		Screw Size=M3x8; Torque=4.5~6.5KGF.KGF.CM
7	AC Power outlet disassembly	S11	Use a cross-head screwdriver unscrewed the No.1~2 screws.	7140330101P0A	SCREW_DOUBLE THREAD_NONE_FLAT HEAD_M3_1	2		Screw Size=M3x5; Torque=3.0~5.0KGF.CM
8	Disconnect the panel lamp cables	S12	Unplug 4 lamp cables to the connectors of Power Board.	-	-	-		
9	Disassemble the LCD panel module to Bracket Chassis module.	S13	Use a cross-head screwdriver unscrewed the No.1~4 screws on both side of LCD panel and Bracket Chassis module.	7740201780P0A	SCREW_MACHING_WITHOUT_FLAT HEAD_M3x5_NI	4		Screw Size=M3x5; Torque=2.0~2.5KGF.CM
10	Disconnect the FFC cable	S14	Tear off the Aluminum tape.	-	-	-		
11		S15	Disconnect the FFC cable to LCD panel.	-	-	-		

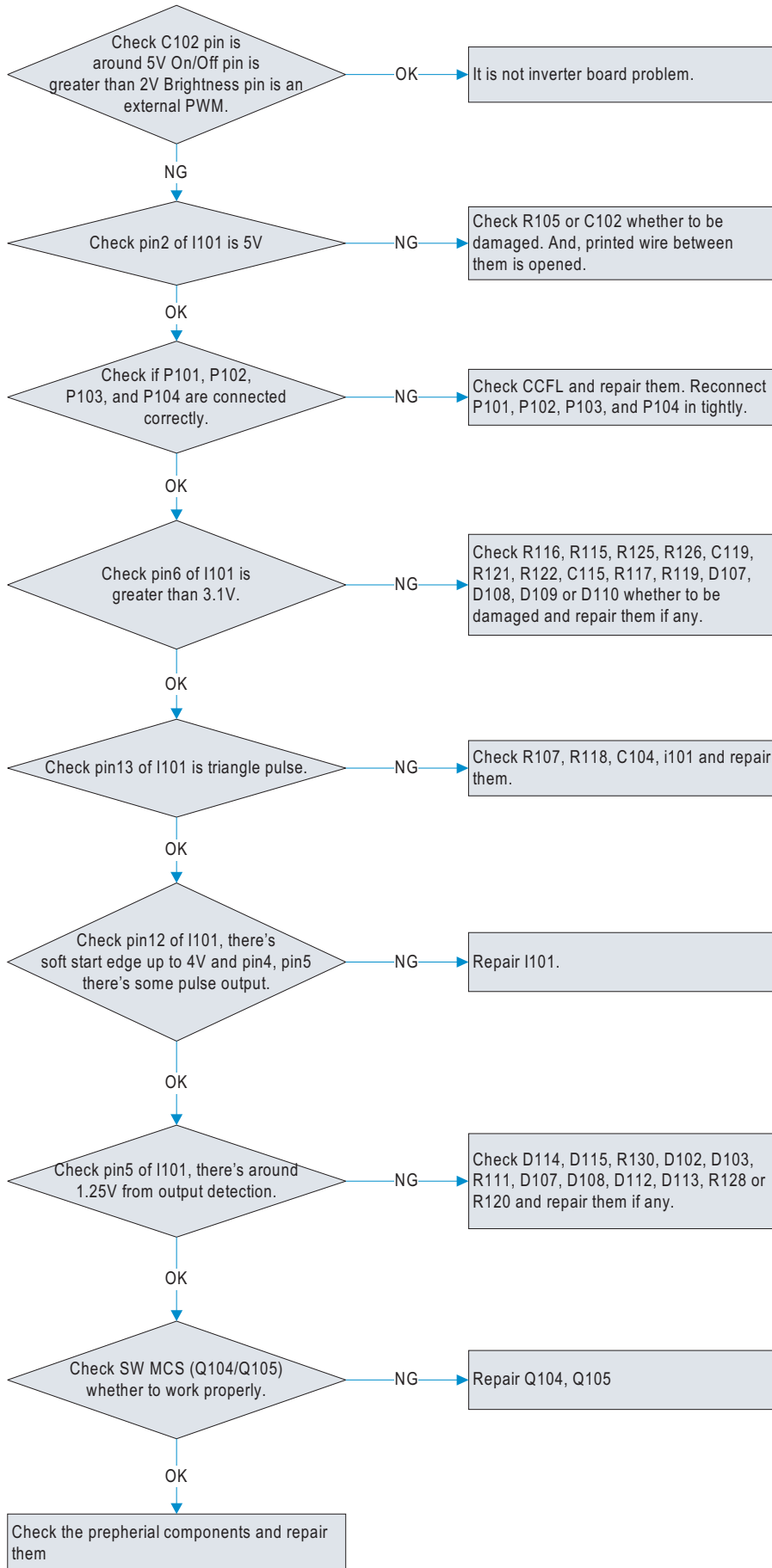
12	Separate LCD panel module and Bracket Chassis module apart	S16	Lift the Bracket Chassis module up and put it aside.	-	-	-		-
13	Panel Inspection	S17	Put a panel on a protective cushion and examine the surface to see if it has any unexpected dust or scratch.	6814202010P24	LCD_20" _M201EW02 V1(LTC)_AUO	1		Refer to LCD Panel Inspection Criteria of supplier for the detail.
		S18	Turn over the panel that metal side is faced up.	-	-	-		
14	Disassemble the Interface Board and the Bracket Chassis Base with 4 screws	S19	Use a cross-head screwdriver unscrewed the No.1~4 screws.	-	-	-		-
15	Disassemble the Power Board with 4 screws	S20	Use a cross-head screwdriver unscrewed the No.1~4 screws.	7116240081P0A	SCREW-MACHINE-Star Washer-Pan-M4-6-Zn	1		Screw Size=M4x6; Torque=>9~10KGF.CM
				7111230061P	SCREW-MACHINE-Flat Washer-Pan-M3-6-Zn	3		Screw Size=M3x6; Torque=>9~10KGF.CM
16	Disassemble the Power Board and Interface Board to Bracket Chassis Base	S21	Disconnect the FFC cable and P802 to the Interface Board.	6712300044PC0	HARNESS_FFC_30P(1.0)_220_20696_P-TWO	1		-
				6711100005P90	HARNESS_10P_140mm_1007#24_ETC	1		-
				5114300811P	T20BAJW-G_LITEON_POWER BD	1		-
				5113301834P	T20BNUW-G1_ACER_INTERFACE BD	1		-
				7737816290P0A	BRACKET ASSY_CHASSIS_ACER T20BNUW_SGCC	1		-

Power board

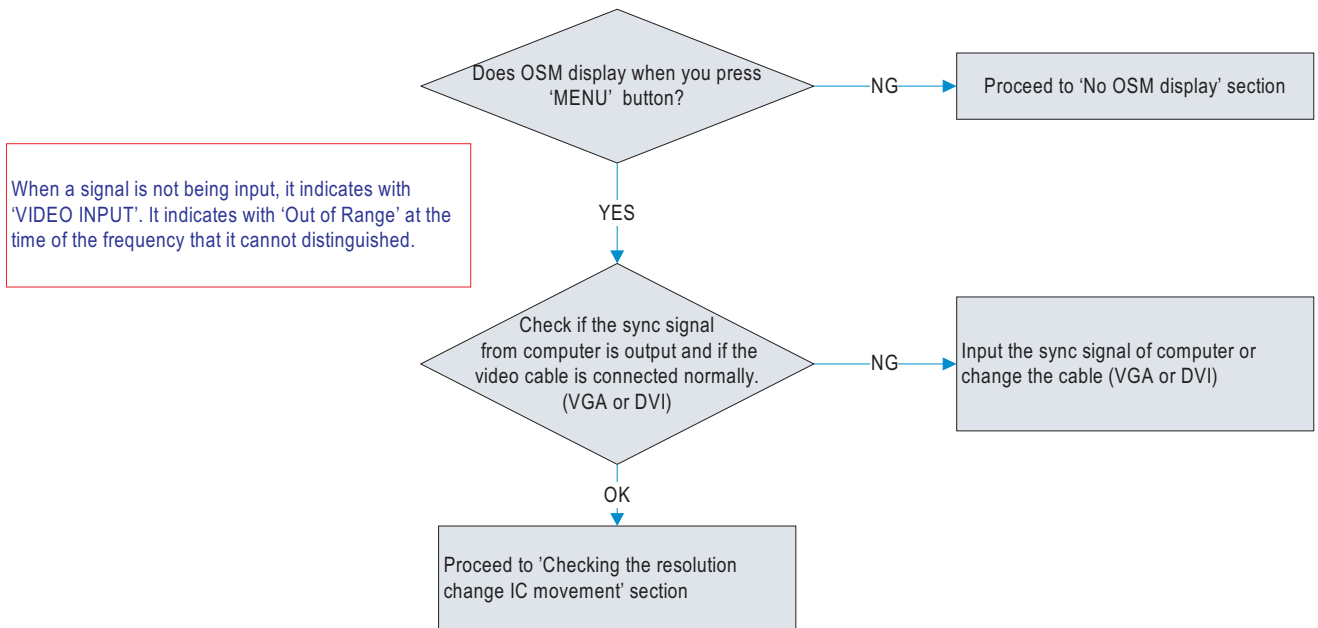


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Inverter circuit on the power board

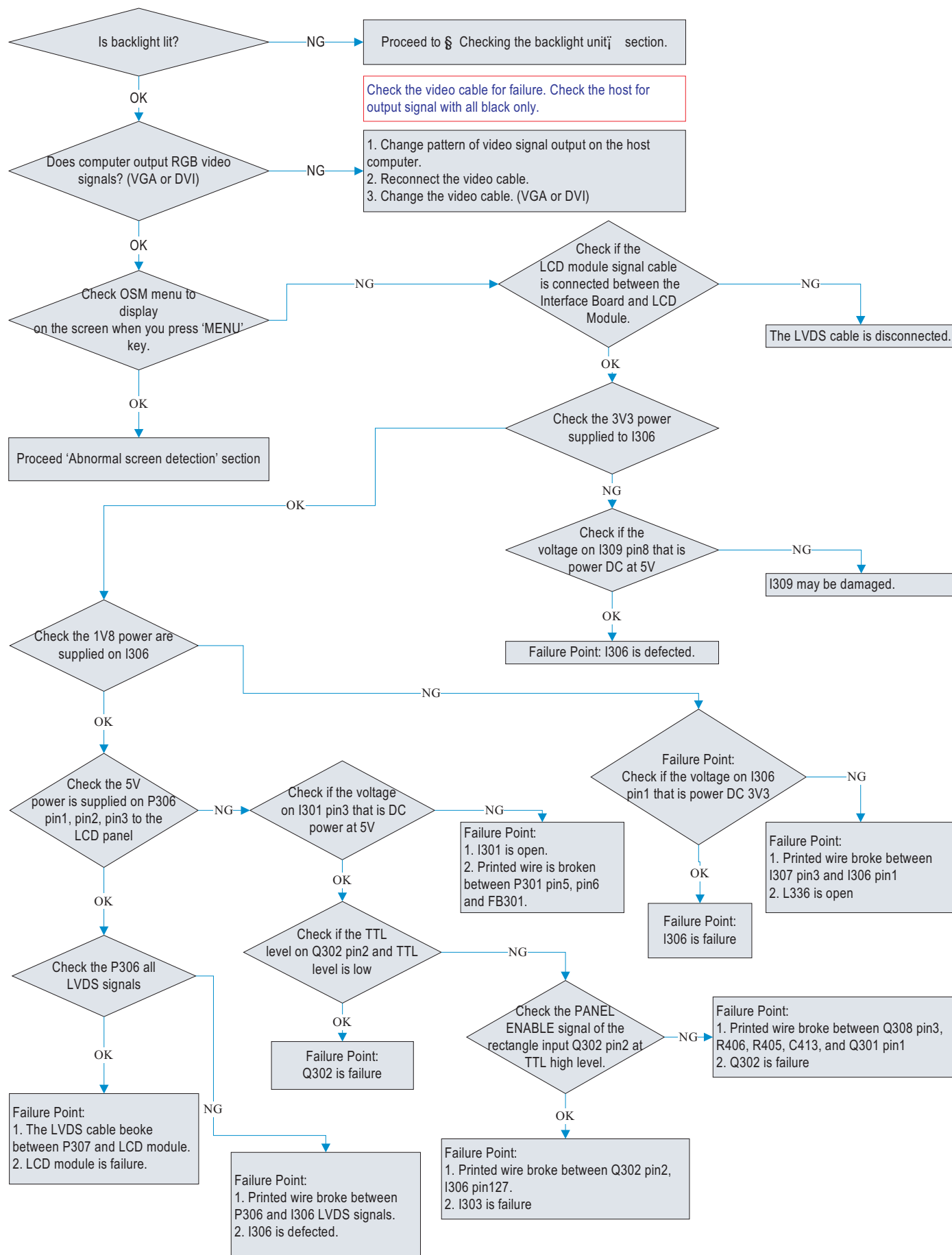


No display on the screen (Screen is black, colour of LED is amber.)

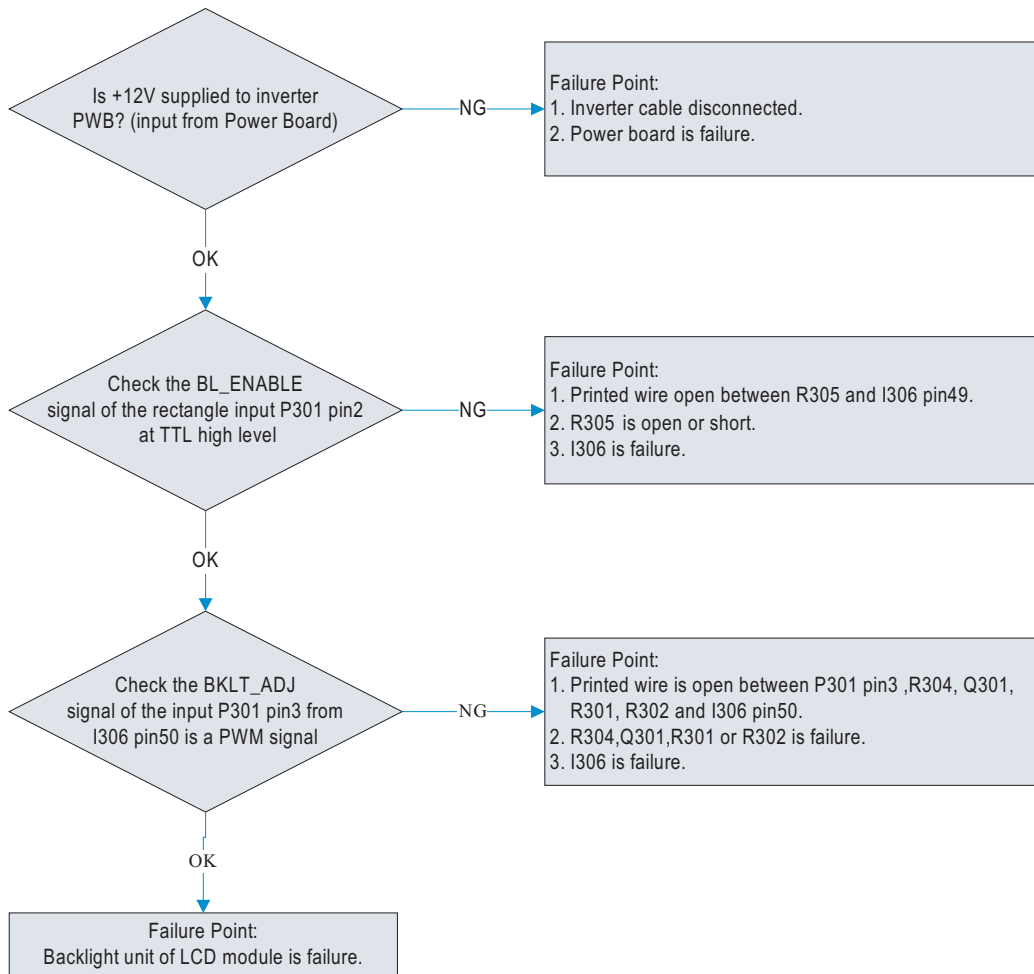


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Nothing displays on the screen (screen is black, colour of LED is green.)

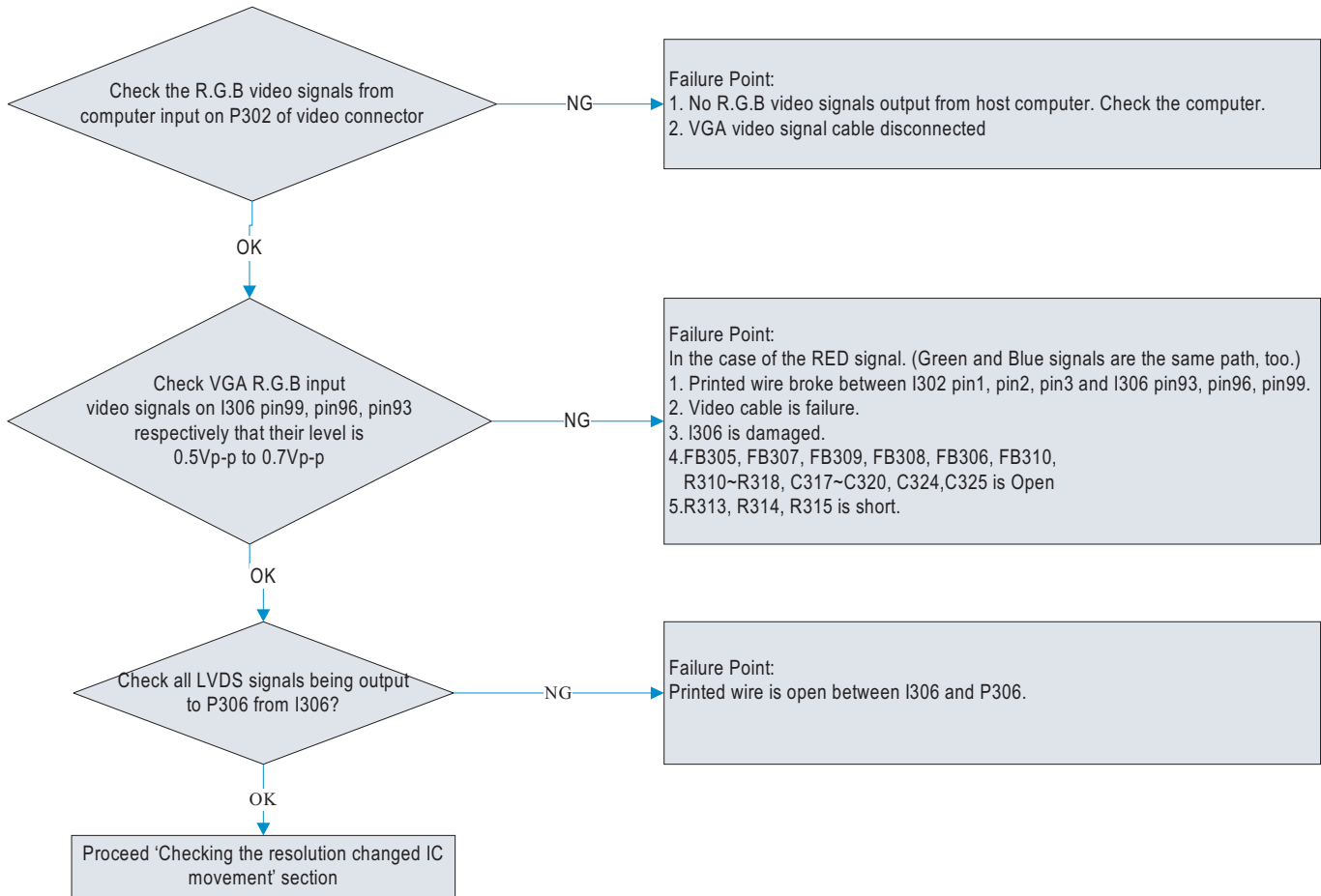


Checking the backlight unit

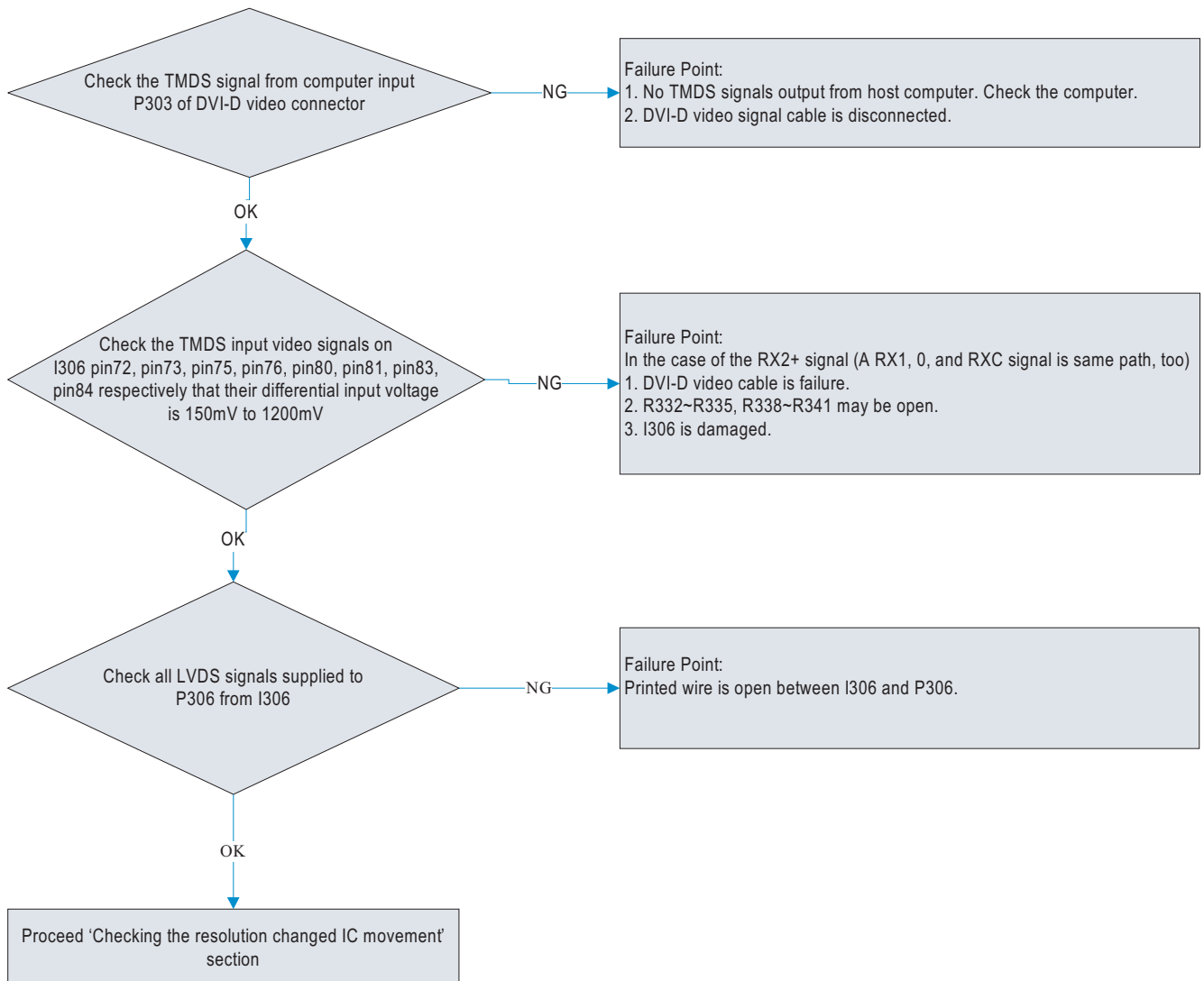


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Abnormal Screen: Abnormal screen for VGA source

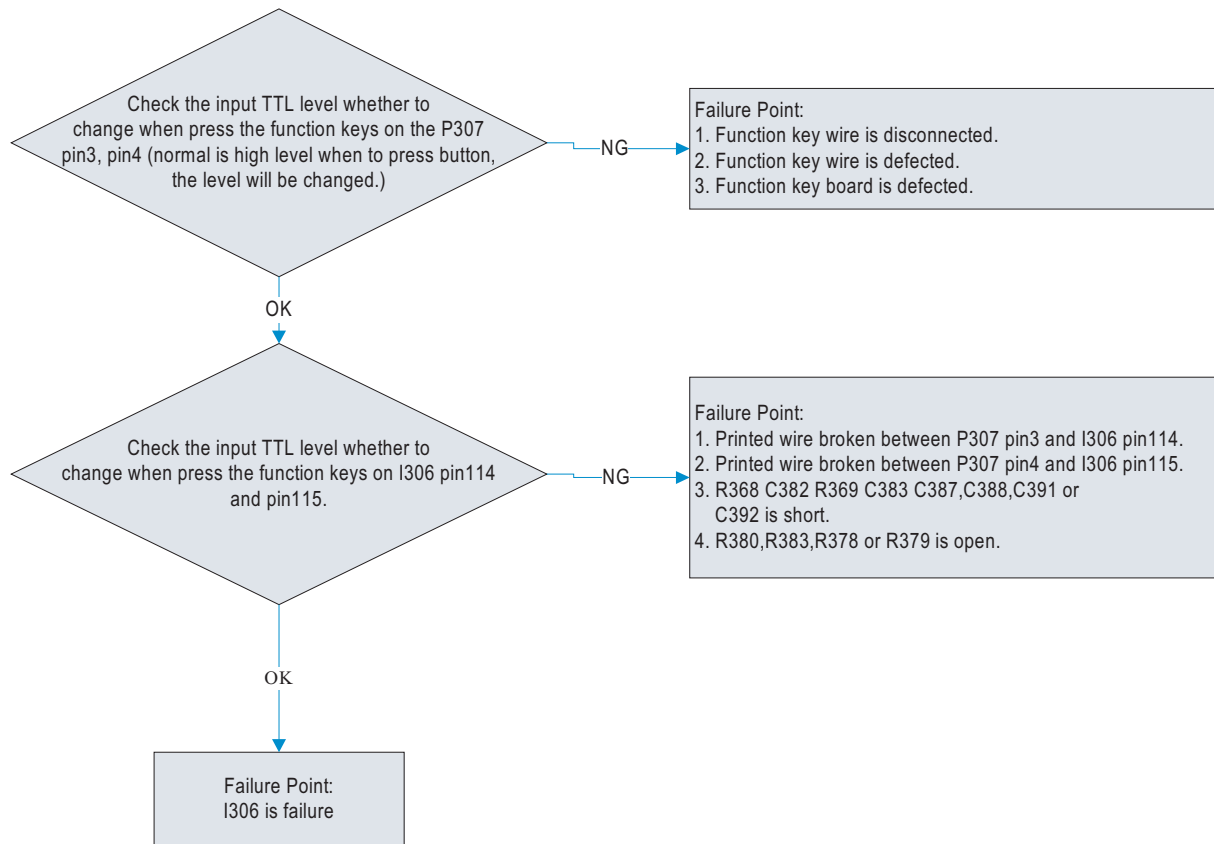


Abnormal Screen: Abnormal screen for DVI-D source

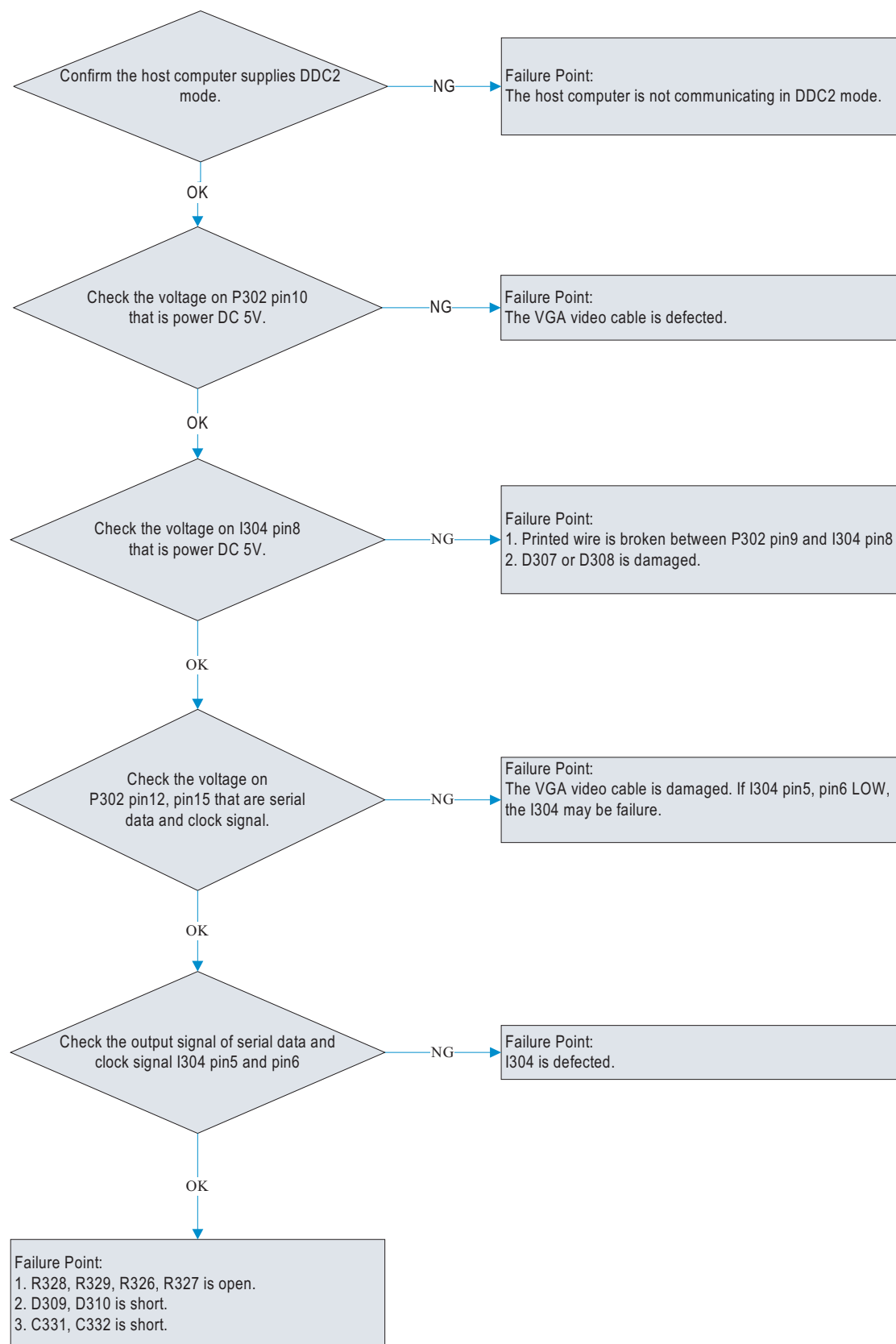


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Abnormal OSM display adjust problem

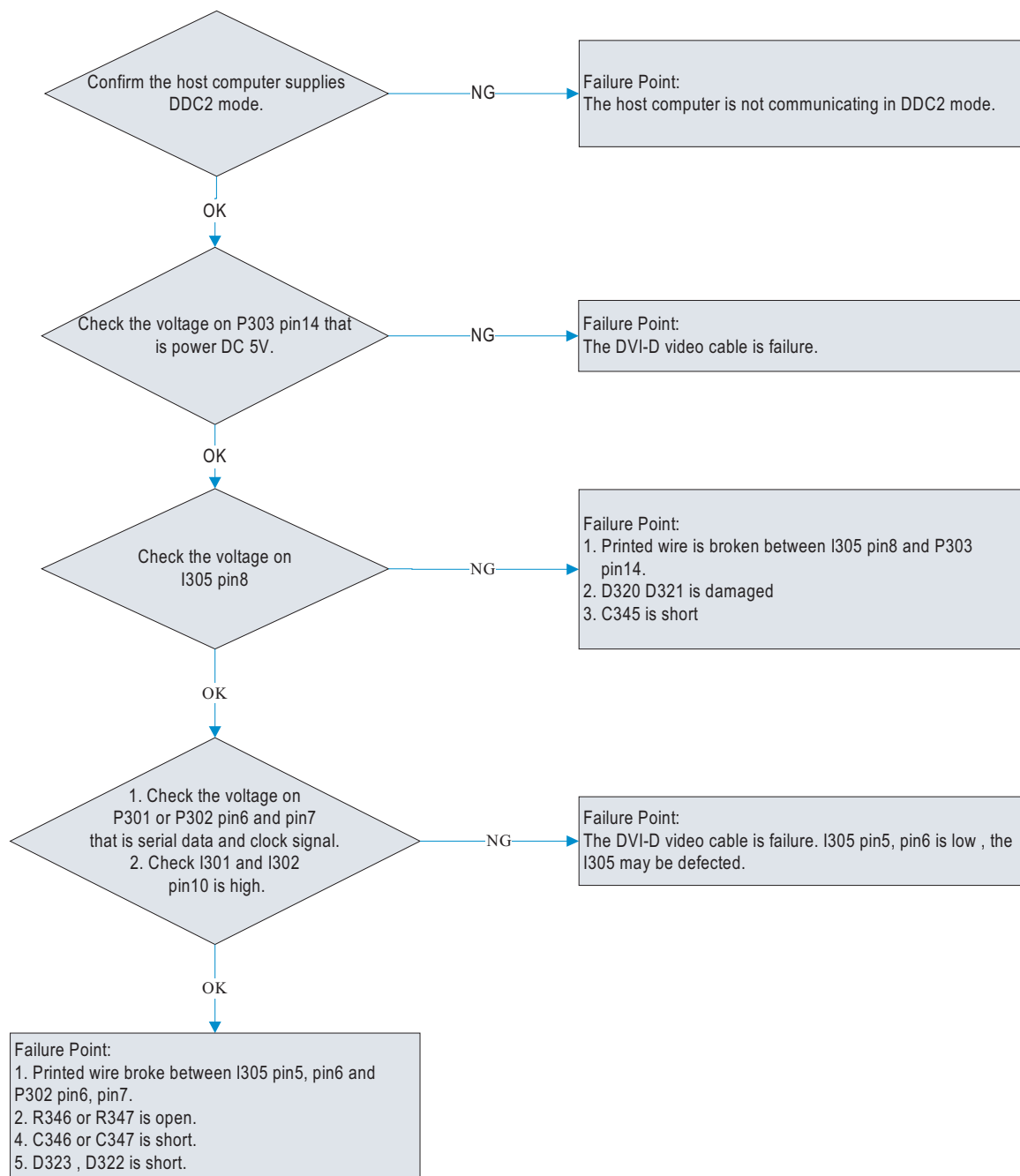


Abnormal plug and play operation for VGA

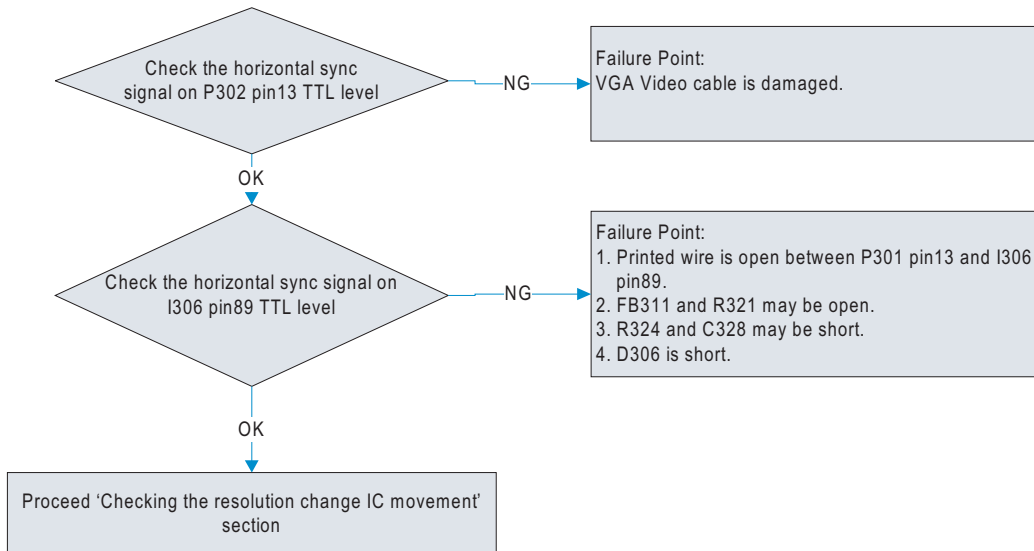


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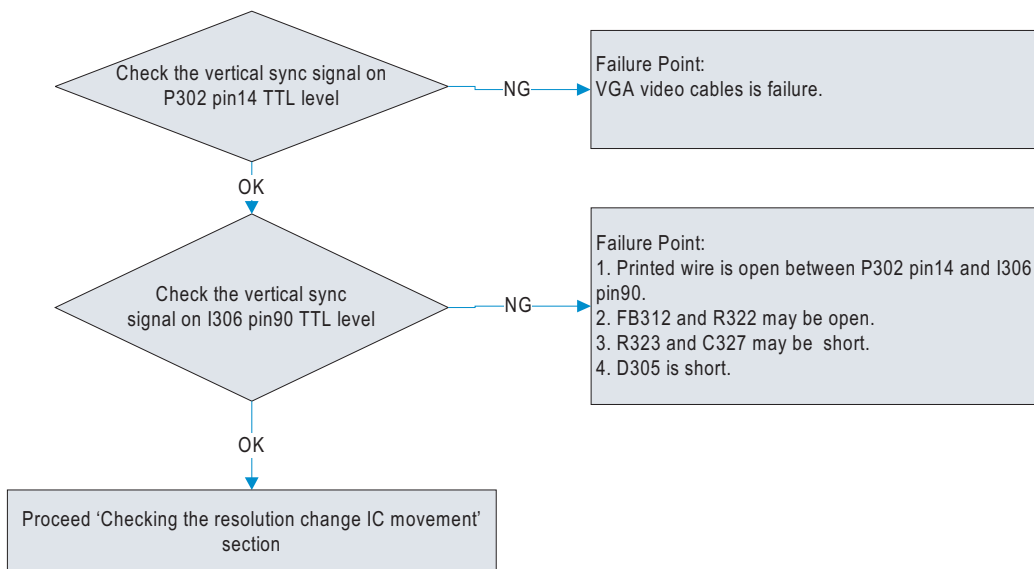
Abnormal plug and play operation for DVI - D



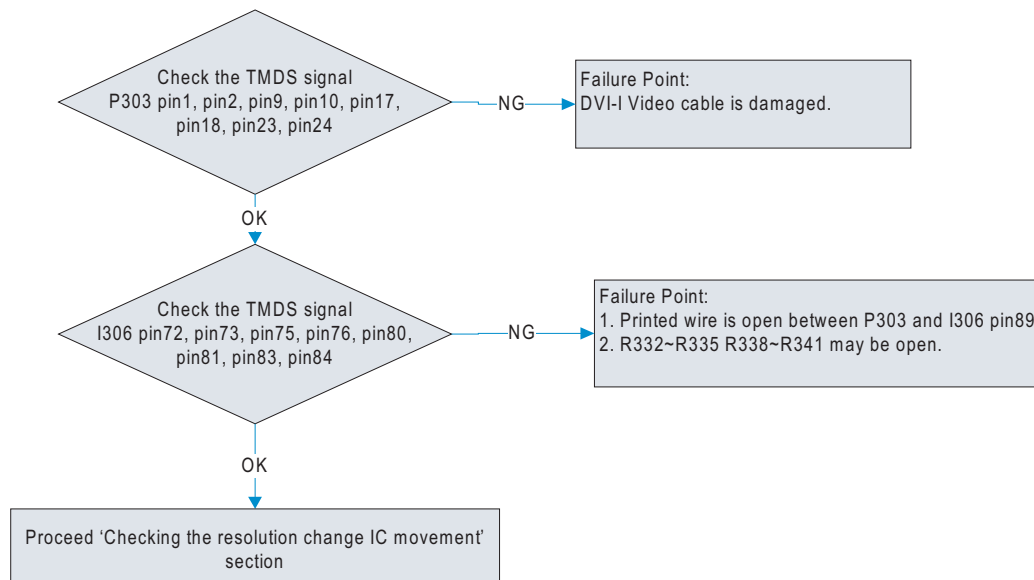
Checking the control circuit of horizontal sync pulse for DVI-D



Checking the control circuit of vertical sync pulse for VGA

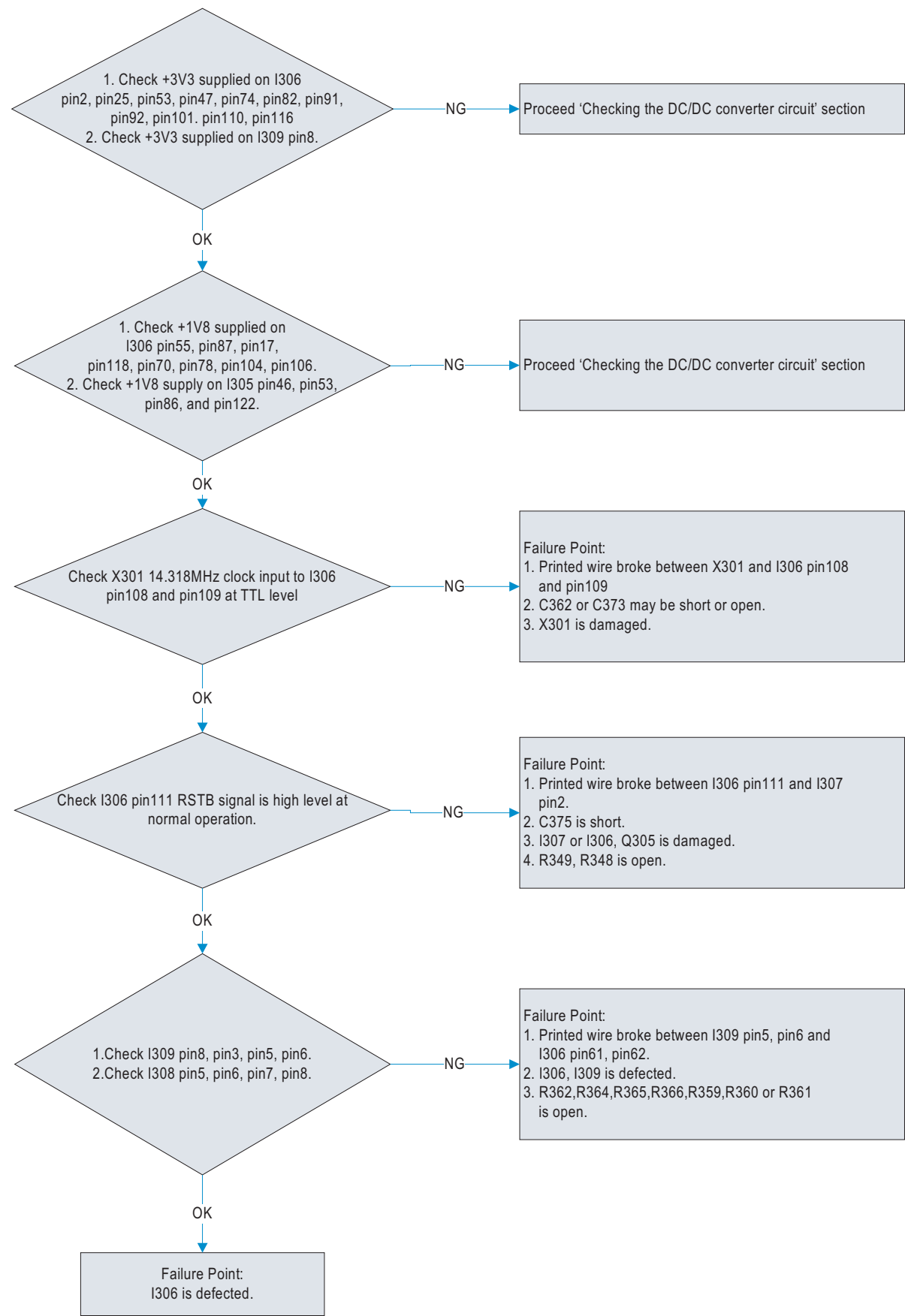


Checking the TMDS signal input for DVI-D



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Checking the resolution change IC movement



Model Name: ACER_AL2002W
Model Number: 4092531143P
Description: T20BNUW-G1(99)#U14(C)_ACER_AL2002W

BOARD ASSY'S

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
0	5112403532P	T20BNUW-G1_ACER_PACKING ASSY
0	5113102727P	T20BNUW-G1(99)_ACER_LCD ASSY
0	5113301834P	T20BNUW-G1_ACER_INTERFACE BD
0	5113800401P	T20BAUW-G_LITEON_FUNCTION KEY BD
0	5114300811P	T20BAUW-G_LITEON_POWER BD

CAPACITORS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
C101	6338110485P	CAP. CD_uF_0.1_50V_Z_T_Y5V
C102	6311522045P	CAP. ALU_uF_22_50V_T_105C_5x11
C103	6311522945P	CAP. ALU_uF_2.2_50V_T_105C_5x11
C104	6331133125P30	CAP. CD_pF_330_50V_G_T_NPO_SEC
C105	6338210215P	CAP. CD_pF_1000_100V_K_T_X7R
C106	6338147385P	CAP. CD_uF_0.047_50V_Z_T_Y5V
C108	6331168055P30	CAP CD_pF_68_50V_J_T_NPO_SUCCESS
C109	6357122355P	CAP. PEM_uF_0.022_50V_J_T
C110	6311522945P	CAP. ALU_uF_2.2_50V_T_105C_5x11
C111	6338210215P	CAP. CD_pF_1000_100V_K_T_X7R
C115	6338547115P	CAP. CD_pF_470_1000V_K_T_X7R
C116	6334950912P30	CAP.CD_pF_5_3000V_K_L4P7.5_SL_SUCCESS
C117	6334910082P30	CAP. CD_pF_10_3000V_K_F_P=7.5_SL_SUCCESS
C120	6338547115P	CAP. CD_pF_470_1000V_K_T_X7R
C123	6334910082P30	CAP. CD_pF_10_3000V_K_F_P=7.5_SL_SUCCESS
C125	6334950912P30	CAP.CD_pF_5_3000V_K_L4P7.5_SL_SUCCESS
C127	6311433145P10	CAP.ALU_uF_330_35V_T_105C_10x16_KF/CAPXO
C127	6311433145P22	CAP.ALU_uF_330_35V_T_105C_10x16_MC
C128	6311433145P10	CAP.ALU_uF_330_35V_T_105C_10x16_KF/CAPXO
C128	6311433145P22	CAP.ALU_uF_330_35V_T_105C_10x16_MC
C129	6311422145P10	CAP.ALU_uF_220_35V_T_105C_10x12.5_KF/CAP
C129	6311422145P22	CAP.ALU_uF_220_35V_T_105C_10x13_MC
C130	6311422145P10	CAP.ALU_uF_220_35V_T_105C_10x12.5_KF/CAP
C130	6311422145P22	CAP.ALU_uF_220_35V_T_105C_10x13_MC
C131	6357122355P	CAP. PEM_uF_0.022_50V_J_T
C132	6338210215P	CAP. CD_pF_1000_100V_K_T_X7R
C133	6338210215P	CAP. CD_pF_1000_100V_K_T_X7R
C134	6311433145P10	CAP.ALU_uF_330_35V_T_105C_10x16_KF/CAPXO
C134	6311433145P22	CAP.ALU_uF_330_35V_T_105C_10x16_MC
C135	6311433145P10	CAP.ALU_uF_330_35V_T_105C_10x16_KF/CAPXO
C135	6311433145P22	CAP.ALU_uF_330_35V_T_105C_10x16_MC
C301	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C302	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C305	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C306	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C307	6311310142P20	CAP.ALU_uF_100_25V_L3.5P2.5_105C_6.3x11
C308	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C309	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C310	6311210069P10	CAP. ALU_uF_10_16V_F/P=2/L=4_105C_4X7

CAPACITORS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
C310	6311210069P20	CAP.ALU_uF_10_16V_L3.5P2_105C_4x7_SM/SUS
C311	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C312	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C313	6311210069P10	CAP.ALU_uF_10_16V_F/P=2/L=4_105C_4X7
C313	6311210069P20	CAP.ALU_uF_10_16V_L3.5P2_105C_4x7_SM/SUS
C314	6311310142P20	CAP.ALU_uF_100_25V_L3.5P2.5_105C_6.3x11_
C315	6311210069P10	CAP.ALU_uF_10_16V_F/P=2/L=4_105C_4X7
C315	6311210069P20	CAP.ALU_uF_10_16V_L3.5P2_105C_4x7_SM/SUS
C316	6311310142P20	CAP.ALU_uF_100_25V_L3.5P2.5_105C_6.3x11_
C317	6371210306P01	CAP.MC_uF_0.01_50V_M_X7R_
C318	6371210306P01	CAP.MC_uF_0.01_50V_M_X7R_
C319	6371210306P01	CAP.MC_uF_0.01_50V_M_X7R_
C320	6371210306P01	CAP.MC_uF_0.01_50V_M_X7R_
C321	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C322	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C323	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C324	6371210306P01	CAP.MC_uF_0.01_50V_M_X7R_
C325	6371210306P01	CAP.MC_uF_0.01_50V_M_X7R_
C326	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C327	6371110156P	CAP.MC_pF_100_50V_J_NPO_SMD_0603
C328	6371110156P	CAP.MC_pF_100_50V_J_NPO_SMD_0603
C329	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C330	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C331	6371147056P	CAP.MC_pF_47_50V_J_NPO_SMD_060
C332	6371147056P	CAP.MC_pF_47_50V_J_NPO_SMD_060
C333	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C334	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C335	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C336	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C338	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C339	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C340	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C341	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C342	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C343	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C344	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C345	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C346	6371147056P	CAP.MC_pF_47_50V_J_NPO_SMD_060
C347	6371147056P	CAP.MC_pF_47_50V_J_NPO_SMD_060
C348	6311210069P10	CAP.ALU_uF_10_16V_F/P=2/L=4_105C_4X7
C348	6311210069P20	CAP.ALU_uF_10_16V_L3.5P2_105C_4x7_SM/SUS
C349	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C350	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C351	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C352	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C353	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C354	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C355	6311210069P10	CAP.ALU_uF_10_16V_F/P=2/L=4_105C_4X7
C355	6311210069P20	CAP.ALU_uF_10_16V_L3.5P2_105C_4x7_SM/SUS
C356	6373410486P01	CAP.MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C357	6311210069P10	CAP.ALU_uF_10_16V_F/P=2/L=4_105C_4X7
C357	6311210069P20	CAP.ALU_uF_10_16V_L3.5P2_105C_4x7_SM/SUS

CAPACITORS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
C358	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C359	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C360	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C361	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C362	6371110056P01	CAP. MC_pF_10_50V_J_NPO_SMD_603_SMD
C363	6311210069P10	CAP. ALU_uF_10_16V_F/P=2/L=4_105C_4X7
C363	6311210069P20	CAP. ALU_uF_10_16V_L3.5P2_105C_4x7_SM/SUS
C364	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C365	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C366	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C367	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C368	6311210069P10	CAP. ALU_uF_10_16V_F/P=2/L=4_105C_4X7
C368	6311210069P20	CAP. ALU_uF_10_16V_L3.5P2_105C_4x7_SM/SUS
C369	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C370	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C371	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C372	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C373	6371110056P01	CAP. MC_pF_10_50V_J_NPO_SMD_603_SMD
C374	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C375	6371110156P	CAP. MC_pF_100_50V_J_NPO_SMD_0603
C376	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C377	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C379	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C380	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C382	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C383	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C385	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C386	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C387	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C388	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C391	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C392	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C601	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C602	6373410486P01	CAP. MC_uF_0.1_25V_Z_Y5V_SMD_603_SMD
C801	6328847412P00	CAP.X2_MEF_uF_0.47_275V_K_P15_EUR
C805	6312710141P60	CAP. ALU_uF_100_450V_LF15P7.5_105C
C805A	7740200690P0C	RIVET_EYELET_Phosphor borzse_φ=1.6
C805B	7740200690P0C	RIVET_EYELET_Phosphor borzse_φ=1.6
C806	6336510305P	CAP. CD_uF_0.01_1000V_M_T_Z5U
C807	6311510045P10	CAP. ALU_uF_10_50V_T_105C_5x11_KM/CAPXON
C807	6311510045P21	CAP. ALU_uF_10_50V_T_105C_5x11_HG/SUSCON
C808	6302422212P01	CAP. CD_PF_2200_250V_M_F_10_SY1
C809	6338547215P30	CAP. CD_pF_4700_1000V_K_T_X7R_SEC
C810	6338522115P	CAP. CD_pF_220_1000V_K_T_X7R
C811	6338422115P30	CAP. CD_pF_220_500V_K_T_X7R_SEC
C812	6338110215P30	CAP. CD_pF_1000_50V_K_T_X7R_SEC
C816	6338410215P	CAP. CD_pF_1000_500V_K_T_X7R
C817	6311433145P10	CAP. ALU_uF_330_35V_T_105C_10x16_KF/CAPXO
C817	6311433145P22	CAP. ALU_uF_330_35V_T_105C_10x16_MC
C818	6311433145P10	CAP. ALU_uF_330_35V_T_105C_10x16_KF/CAPXO
C818	6311433145P22	CAP. ALU_uF_330_35V_T_105C_10x16_MC
C819	6328847412P20	CAP.X2_MEF_uF_0.47_275V_K_P15_HJC

CAPACITORS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
C820	6302433262P	CAP. CD_pF_3300_250V_M_F_10_SYI_P/O
C821	6338210215P	CAP. CD_pF_1000_100V_K_T_X7R
C822	6311210245P	CAP. ALU_uF_1000_16V_T_105C_10x20
C822	6311210245P22	CAP. ALU_uF_1000_16V_T_105C_10x20_HG
C823	6311210245P	CAP. ALU_uF_1000_16V_T_105C_10x20
C823	6311210245P22	CAP. ALU_uF_1000_16V_T_105C_10x20_HG
C824	6311210245P	CAP. ALU_uF_1000_16V_T_105C_10x20
C824	6311210245P22	CAP. ALU_uF_1000_16V_T_105C_10x20_HG
C825	6302433262P	CAP. CD_pF_3300_250V_M_F_10_SYI_P/O
C827	6357110355P	CAP. PEM_uF_0.01_50V_J_T
C828	6311547945P10	CAP. ALU_uF_4.7_50V_T_105C_5x11_KM/CAPXON
C828	6311547945P24	CAP. ALU_uF_4.7_50V_T_105C_5x11_MC
C830	6338547215P30	CAP. CD_pF_4700_1000V_K_T_X7R_SEC
C851	6338110485P30	CAP. CD_uF_0.1_50V_Z_T

COILS AND FILTERS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
FB301	6881603578P	CORE_BEAD_PBY160808T_600Y_S_SMD_CHILISIN
FB302	6881603578P	CORE_BEAD_PBY160808T_600Y_S_SMD_CHILISIN
FB303	6881603578P	CORE_BEAD_PBY160808T_600Y_S_SMD_CHILISIN
FB304	6881603578P	CORE_BEAD_PBY160808T_600Y_S_SMD_CHILISIN
FB305	6881604078P	CORE_BEAD_SBK160808T_110YS_SMD_0603
FB306	6881601578P	CORE_BEAD_SBK160808T_300Y_S
FB307	6881604078P	CORE_BEAD_SBK160808T_110YS_SMD_0603
FB308	6881601578P	CORE_BEAD_SBK160808T_300Y_S
FB309	6881604078P	CORE_BEAD_SBK160808T_110YS_SMD_0603
FB310	6881601578P	CORE_BEAD_SBK160808T_300Y_S
FB311	6881604238P10	CORE_BEAD_SBK160808T_451Y_N_SMD_CHILISIN
FB312	6881604238P10	CORE_BEAD_SBK160808T_451Y_N_SMD_CHILISIN
FB313	6881603878P	CORE_BEAD_PBY160808T_301Y_S_SMD0604
FB314	6881603878P	CORE_BEAD_PBY160808T_301Y_S_SMD0604
FB315	6881603878P	CORE_BEAD_PBY160808T_301Y_S_SMD0604
FB316	6881603878P	CORE_BEAD_PBY160808T_301Y_S_SMD0604
FB317	6881603878P	CORE_BEAD_PBY160808T_301Y_S_SMD0604
FB323	6881603878P	CORE_BEAD_PBY160808T_301Y_S_SMD0604
L802	6111106132P	COIL_CHOKE_uH_10_K_15.5Ts/0.7D
L802	6111106132P10	COIL_CHOKE_uH_10_K_15.5Ts/0.7D_TC
L803	6881001507P	CORE_BEAD_W5_RH3.5x6x1.0T
T101	6131020001P00	XFRMER_POWER_TPW-20001_EEL19B_LSE
T101	6131020002P00	XFRMER_POWER_TPW-20002_EEL19M_DARFON\
T102	6131020001P00	XFRMER_POWER_TPW-20001_EEL19B_LSE
T102	6131020002P00	XFRMER_POWER_TPW-20002_EEL19M_DARFON\
T801	6131053702P	XFRMER_POWER_TPW-1128_ER28(ADD1Ts)_LSE
T801	6131053702P60	XFRMER_POWER_TPW-1128_ER28_LI_TAI_PT-007
T801A	7740200690P0C	RIVET_EYELET_Phosphor bornte \$=1.6
T801B	7740200690P0C	RIVET_EYELET_Phosphor bornte \$=1.6
T801C	7740200690P0C	RIVET_EYELET_Phosphor bornte \$=1.6
T801D	7740200690P0C	RIVET_EYELET_Phosphor bornte \$=1.6
T802	6138003601P	LINE_FILTER_mH_14_FR16*12*8_LSE(TUBE)
T802	6138003611P	LINE_FILTER_mH_14_16*12*8_BULL WILL(TUBE)

CABLES AND CONNECTORS AND PLUGS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
G801	7748000190P0A	GROUNDING_CONNECTOR_MTS_C150AT_PHOSPHOR
GND1	6714010003P33	HARNESS_1P_110mm_1015#18
P101	6610020051P	PLUG_2P_3.5mm_P35JIL_02_HB_TKP_TAIWAN KI
P101	6610020051P70	PLUG_2P_3.5mm_BH3.5-B_BAOTAI
P102	6610020051P	PLUG_2P_3.5mm_P35JIL_02_HB_TKP_TAIWAN KI
P102	6610020051P70	PLUG_2P_3.5mm_BH3.5-B_BAOTAI
P103	6610020051P	PLUG_2P_3.5mm_P35JIL_02_HB_TKP_TAIWAN KI
P103	6610020051P70	PLUG_2P_3.5mm_BH3.5-B_BAOTAI
P104	6610020051P	PLUG_2P_3.5mm_P35JIL_02_HB_TKP_TAIWAN KI
P104	6610020051P70	PLUG_2P_3.5mm_BH3.5-B_BAOTAI
P301	6613100010P	PLUG_10P_2.0mm_A2001WR2_10_JWT
P302	6642150411P	CONNECTOR_D_SUB_15P_P03_A004_199_NTK
P302A	6715011603P00	CABLE_VIDEO_DSUBx2_1800mm_BLK_20276#30
P303	6649001012P40	CONNECTOR_DVI-D_24P_2.29mm_16091796P_NTK
P303	6649001012PH0	CONNECTOR_DVI-D_24P_2.29mm_1241-440-0F4-
P306	6640030005P20	CONN_FFC_30P_1.0_CF25302D0R0-10_CVILUX
P306	6640030007PD0	CONN_FFC_30P_1.0_AFN300-N2G11_P-TWO
P306A	6712300044PC0	HARNESS_FFC_30P(1.0)_220_20696_P-TWO
P307	6613005003P20	PLUG_5P_2.0mm_C10105P1VK0_CVILUX
P307	6613050020P	PLUG_5P_2.0mm_A2001WV2_05_JWT
P307A	6711060009P90	HARNESS_6P/5P_207mm_1571#28_ETC
P601	6613060010P	PLUG_6P_2.0mm_A2001WR2_6_JWT
PC01	6716000700P	CABLE_POWER_N_SHLD_1800mm_BLACK_U/C
PC03	6715009019P00	CABLE_VIDEO_DVI-D*2_1800_BLK_4.8D_JCE

DIODES

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
D102	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D102	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D103	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D103	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D104	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D104	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D105	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D105	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D107	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D107	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D108	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D108	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D109	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D109	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D110	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D110	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D112	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D112	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D113	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D113	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D114	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D114	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande
D115	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D115	6412025507P	DIODE_SWITCHING_1N4148 T_T52_Grande

DIODES

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
D301	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D301	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D302	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D302	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D303	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D303	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D304	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D304	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D305	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D305	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D306	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D306	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D307	6413030038P	DIODE_SCHOTTKY_BAT54C_7_0.2A/30V_SOT23
D308	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D308	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D309	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D309	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D310	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D310	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D311	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D311	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D312	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D312	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D313	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D313	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D314	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D314	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D315	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D315	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D316	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D316	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D317	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D317	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D318	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D318	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D319	6412019518P	DIODE_SWITCHING_MMBD7000_7_75V_SOT23_4nS
D319	6412027818P10	DIODE_BAV99-7-F_SOT23_DIODES
D320	6413030038P	DIODE_SCHOTTKY_BAT54C_7_0.2A/30V_SOT23
D321	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D321	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D322	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D322	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D323	6414056038P	DIODE_ZNR_RLZ TE_11 5.6B LL_34
D323	6414056108P	DIODE_ZENER_MMSZ5232B_7_5.6V_SOD123_DII
D601	6418004600P	LED_LTL_1_BEDJP1_1(Y)3(G)_BULK_LITEON
D601	6418004610P	LED_GP32032M/R003_ZY_01_YELLOW/GREEN 1(G)
D801	6413150027P	DIODE_SCHOTTKY_P6KE150AT/B_T52_PANJIT
D803	6412026604P	DIODE_FAST RECOVERY_PG108R_1A/800V_DO_41
D804	6412011407P	DIODE_1N4937_1A/600V_T52_LITE_ON
D805	6412010907P	DIODE_LT2A06_2A/800V_T52
D806	6412001707P	DIODE_SWITCHING_1N4148 T_72_T5
D807	6412010907P	DIODE_LT2A06_2A/800V_T52

DIODES

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
D808	6412010907P	DIODE_LT2A06_2A/800V_T52
D809	6412000020P00	DIODE_SWITCHING_STPF1020CT_10A/200V_TO-
D809	6412027820PG0	DIODE_SWITCHING_URF1020_10A/200V_35NS
D810	6413045010P00	DIODE_SCHOTTKY_SBF1045CT_10A/45V_ITO-220
D810	6413045020PG0	DIODE_SCHOTTKY_SRF1045C_10A/45V_ITO
D811	6414240054P	DIODE_ZENER_DZ24BSC_24V_T26_DS
D812	6412010907P	DIODE_LT2A06_2A/800V_T52
ZD801	6414220024P	DIODE_ZNR_MTZJ T_77 22D DO_34_T26

ICS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
I101	6442046300P18	IC_LINEAR_OZ9938DN_16_DIP_O2MICRO_ANALOG
I301	6427000018P50	FET_P-CHNL_AO3419_3P_SOT23_AOS
I301	6444014708P	IC_CMOS_AO3401L_3P_SOT23_ALPHA&OMEGA
I302	6442023326P	IC_LINEAR_AIC1084_33PM_3P_TO263_AIC
I302	6442023348P	IC_LINEAR_AP1084K33LA_3P_TO263_ATC
I303	6442043308P	IC-LINEAR-AIC1117-18PETR-3P-TO252-AIC
I303	6442043318P	IC_LINEAR_AP1117D18L_3P_TO252_ATC
I304	6448018208P	IC_CPU_24LC02BT/SN_8PIN_SOIC_MICROCHIP
I304	6448018218P	IC_CPU_M24C02_WMN6T_8PIN_SO8_ST
I305	6448018208P	IC_CPU_24LC02BT/SN_8PIN_SOIC_MICROCHIP
I305	6448018218P	IC_CPU_M24C02_WMN6T_8PIN_SO8_ST
I306	6447009506P21	IC_ASIC_GM5766H-LF-AB_128P_PQFP_GENESIS
I307	6442045108P	IC_LINEAR_STL8110GNL463_3P_SO_23_SENTELI
I308	6448016508P	IC_CPU_24LC16BT/SN_8PIN_SOIC
I308	6448016518P	IC_CPU_M24C16_WMN6T_8PIN_SO8_ST
I309	6448029528P19	IC_CPU_PM25LV020_100SCE_8PIN_SOIC_PMC
I309	6448029596P20	IC_CPU_SST25LF020A-33-4C-SAE_8P_SOIC_SST
I801	6442048350P05	IC_LINEAR_SG5841JDZ_8_DIP_SG_DIGITAL
I802	6442014000P	IC_Linear_LTV_817D_4P_PDIP
I803	6442041005P	IC_LINEAR_AP431VLA_3P_TO 92_ANACHIP

RESISTORS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
R101	6212110354P	RES. CF_KOHM_10_1/4W_J_T26_MINI
R102	6224630124P	RES. MF_KOHM_30.1_1/4W_F_T26
R103	6224630124P	RES. MF_KOHM_30.1_1/4W_F_T26
R104	6224651034P00	RES.MF_KOHM_510_1/4W_F_T26_MINI_NEWSIN
R105	6212120054P00	RES.CF_OHM_20_1/4W_J_T26MINI_NEWSIN
R106	6224615034P	RES. MF_KOHM_150_1/4W_F_T26
R107	6224620524P00	RES.MF_KOHM_20.5_1/4W_F_T26_MINI_NEWSIN
R111	6224640204P	RES. MF_OHM_402_1/4W_F_T26
R113	6212110354P	RES. CF_KOHM_10_1/4W_J_T26_MINI
R115	6224636514P	RES. MF_KOHM_3.65_1/4W_F_T26
R116	6213230557P	RES. CMF_MOHM_3_1/4W_J_T52_KAMAYA:RNV600
R117	6224610034P	RES. MF_KOHM_100_1/4W_F_T26_MIN
R118	6224630124P	RES. MF_KOHM_30.1_1/4W_F_T26
R119	6224613024P	RES. MF_KOHM_13_1/4W_F_T26
R120	6224613024P	RES. MF_KOHM_13_1/4W_F_T26

RESISTORS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
R121	6224610034P	RES. MF_KOHM_100_1/4W_F_T26_MIN
R122	6224613024P	RES. MF_KOHM_13_1/4W_F_T26
R125	6213230557P	RES. CMF_MOHM_3_1/4W_J_T52_KAMAYA:RNV600
R126	6224636514P	RES. MF_KOHM_3.65_1/4W_F_T26
R128	6224613024P	RES. MF_KOHM_13_1/4W_F_T26
R130	6224640204P	RES. MF_OHM_402_1/4W_F_T26
R131	6212120054P00	RES.CF_OHM_20_1/4W_J_T26MINI_NEWSIN
R132	6212120254P	RES. CF_KOHM_2_1/4W_J_T26_MINI
R133	6212120054P00	RES.CF_OHM_20_1/4W_J_T26MINI_NEWSIN
R134	6212110254P	RES. CF_KOHM_1_1/4W_J_T26_MINI
R135	6212110554P	RES. CF_MOHM_1_1/4W_J_T26_MINI
R136	6212110354P	RES. CF_KOHM_10_1/4W_J_T26_MINI
R301	6252100156P	RES. CHIP_R_KOHM_1_1/10W_J_603
R302	6252100256P	RES. CHIP_R_KOHM_10_1/10W_J_603
R304	6252470156P	RES. CHIP_R_KOHM_4.7_1/10W_J_603
R305	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R307	6252100256P	RES. CHIP_R_KOHM_10_1/10W_J_603
R308	6252470256P	RES. CHIP_R_KOHM_47_1/10W_J_603
R309	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R310	6252680956P	RES. CHIP_R_OHM_68_1/10W_J_603
R311	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R312	6252680956P	RES. CHIP_R_OHM_68_1/10W_J_603
R313	6252750946P	RES. CHIP_R_OHM_75_1/10W_F_603
R314	6252750946P	RES. CHIP_R_OHM_75_1/10W_F_603
R315	6252750946P	RES. CHIP_R_OHM_75_1/10W_F_603
R316	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R317	6252680956P	RES. CHIP_R_OHM_68_1/10W_J_603
R318	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R319	6252100256P	RES. CHIP_R_KOHM_10_1/10W_J_603
R320	6252100156P	RES. CHIP_R_KOHM_1_1/10W_J_603
R321	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R322	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R323	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R324	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R325	6252100256P	RES. CHIP_R_KOHM_10_1/10W_J_603
R326	6252120256P	RES. CHIP_R_KOHM_12_1/10W_J_603
R327	6252120256P	RES. CHIP_R_KOHM_12_1/10W_J_603
R328	6252470956P	RES. CHIP_R_OHM_47_1/10W_J_603
R329	6252470956P	RES. CHIP_R_OHM_47_1/10W_J_603
R330	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R331	6252100256P	RES. CHIP_R_KOHM_10_1/10W_J_603
R332	6252100946P	RES. CHIP_R_OHM_10_1/10W_F_603
R333	6252100946P	RES. CHIP_R_OHM_10_1/10W_F_603
R334	6252100946P	RES. CHIP_R_OHM_10_1/10W_F_603
R335	6252100946P	RES. CHIP_R_OHM_10_1/10W_F_603
R336	6252100156P	RES. CHIP_R_KOHM_1_1/10W_J_603
R337	6252100156P	RES. CHIP_R_KOHM_1_1/10W_J_603
R338	6252100946P	RES. CHIP_R_OHM_10_1/10W_F_603
R339	6252100946P	RES. CHIP_R_OHM_10_1/10W_F_603
R340	6252100946P	RES. CHIP_R_OHM_10_1/10W_F_603
R341	6252100946P	RES. CHIP_R_OHM_10_1/10W_F_603
R342	6252120256P	RES. CHIP_R_KOHM_12_1/10W_J_603
R343	6252120256P	RES. CHIP_R_KOHM_12_1/10W_J_603

RESISTORS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
R344	6252100256P	RES. CHIP_R_KOHM_10_1/10W_J_603
R345	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R346	6252470956P	RES. CHIP_R_OHM_47_1/10W_J_603
R347	6252470956P	RES. CHIP_R_OHM_47_1/10W_J_603
R348	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R349	6252100946P	RES. CHIP_R_OHM_10_1/10W_F_603
R350	6252250046P	RES. CHIP_R_OHM_250_1/10W_F_603
R351	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R356	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R357	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R358	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R359	6252470156P	RES. CHIP_R_KOHM_4.7_1/10W_J_603
R360	6252470156P	RES. CHIP_R_KOHM_4.7_1/10W_J_603
R362	6252100256P	RES. CHIP_R_KOHM_10_1/10W_J_603
R363	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R364	6252100256P	RES. CHIP_R_KOHM_10_1/10W_J_603
R365	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R366	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R368	6252820356P	RES. CHIP_R_KOHM_820_0.1W_J_TAPING
R369	6252820356P	RES. CHIP_R_KOHM_820_0.1W_J_TAPING
R372	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R374	6252240156P00	RES.CHIP-R_KOHM_2.4_1/10W_J_0603
R375	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R376	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R378	6252560246P00	RES.CHIP-R_KOHM_56_1/10W_F_0603_COMPOSTA
R379	6252560246P00	RES.CHIP-R_KOHM_56_1/10W_F_0603_COMPOSTA
R380	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R383	6252100056P	RES. CHIP_R_OHM_100_1/10W_J_603
R601	6252560246P00	RES.CHIP-R_KOHM_56_1/10W_F_0603_COMPOSTA
R602	6252150246P00	RES.CHIP-R_KOHM_15_1/10W_F_0603_COMPOSTA
R603	6252560246P00	RES.CHIP-R_KOHM_56_1/10W_F_0603_COMPOSTA
R604	6252300246P	RES. CHIP_R_KOHM_30_1/10W_F_SMD
R605	6252150246P00	RES.CHIP-R_KOHM_15_1/10W_F_0603_COMPOSTA
R801	6228110557P	RES. MGF_MOHM_1_1/4W_J_AT52
R802	6201100012P	THERMISTOR_OHM_10_3A_P=5_TKS
R804	6228120557P	RES. MGF_MOHM_2_1/4W_J_T52
R807	6212133954P	RES. CF_OHM_3.3_1/4W_J_T26_MINI
R808	6224630124P	RES. MF_KOHM_30.1_1/4W_F_T26
R811	6221239852P	RES. MOF_OHM_0.39_2W_J_HOR
R813	6221010157P	RES. MOF_OHM_100_1/4W_J_AT52
R814	6221022057P	RES. MOF_OHM_22_1/4W_J_AT52
R815	6221020157P	RES. MOF_OHM_200_1/4W_J_AT52
R817	6212110254P	RES. CF_KOHM_1_1/4W_J_T26_MINI
R818	6221151852P	RES. MOF_OHM_0.51_1W_J_HOR
R823	6212127154P	RES. CF_OHM_270_1/4W_J_T26_MINI
R824	6224633024P	RES. MF_KOHM_33_1/4W_F_T26
R825	6212110254P	RES. CF_KOHM_1_1/4W_J_T26_MINI
R826	6212110254P	RES. CF_KOHM_1_1/4W_J_T26_MINI
R827	6224633224P	RES. MF_KOHM_33.2_1/4W_F_T26
R828	6212151354P	RES. CF_KOHM_51_1/4W_J_T26_MINI
R830	6224624334P	RES. MF_KOHM_243_1/4W_F_T26

TRANSISTOR

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
Q104	6426008505P	FET_N_CHNL_2N7000TA_200mA/60V_F
Q105	6421000535P	TRANSISTOR_NPN_2SC945P_TO_92_B/
Q106	6423000225P	TRANSISTOR_PNP_2SA733P_TO_92_B/
Q107	6428000010P50	FET_AOP609_8P_DIP_AOS
Q107	6444023100P	IC-CMOS-AOP607-8P-DIP-AOS
Q108	6428000010P50	FET_AOP609_8P_DIP_AOS
Q108	6444023100P	IC-CMOS-AOP607-8P-DIP-AOS
Q301	6422000018P20	TRANSISTOR_NPN_PMBS3904_SOT23_PHILIPS
Q301	6422007318P	TRANSISTOR_NPN_MMBT3904_7_SOT23_DII
Q301	6422007328P	TRANSISTOR_NPN_LMBT3904LT1G_SOT23_LRC
Q302	6422000018P20	TRANSISTOR_NPN_PMBS3904_SOT23_PHILIPS
Q302	6422007318P	TRANSISTOR_NPN_MMBT3904_7_SOT23_DII
Q302	6422007328P	TRANSISTOR_NPN_LMBT3904LT1G_SOT23_LRC
Q303	6422000018P20	TRANSISTOR_NPN_PMBS3904_SOT23_PHILIPS
Q303	6422007318P	TRANSISTOR_NPN_MMBT3904_7_SOT23_DII
Q303	6422007328P	TRANSISTOR_NPN_LMBT3904LT1G_SOT23_LRC
Q304	6422000018P20	TRANSISTOR_NPN_PMBS3904_SOT23_PHILIPS
Q304	6422007318P	TRANSISTOR_NPN_MMBT3904_7_SOT23_DII
Q304	6422007328P	TRANSISTOR_NPN_LMBT3904LT1G_SOT23_LRC
Q306	6422000018P20	TRANSISTOR_NPN_PMBS3904_SOT23_PHILIPS
Q306	6422007318P	TRANSISTOR_NPN_MMBT3904_7_SOT23_DII
Q306	6422007328P	TRANSISTOR_NPN_LMBT3904LT1G_SOT23_LRC
Q308	6422000018P20	TRANSISTOR_NPN_PMBS3904_SOT23_PHILIPS
Q308	6422007318P	TRANSISTOR_NPN_MMBT3904_7_SOT23_DII
Q308	6422007328P	TRANSISTOR_NPN_LMBT3904LT1G_SOT23_LRC
Q803	6426012700P00	FET_N-CHNL_FQPF7N65C_7A/650V_FAIRCHILD
Q803	6426014260P70	FET_N-CHNL_KHB7D0N65F1_7A/650V_KEC

PACKING ASSYS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
1P11	7749205881P0A	CARTON_ACER_T20ANUW_AL2002W_1232SETS
1P21	7749106340P0A	CUSHION FORM_EPS_JADE 20W_1232SETS_LEFT&
1P31	7749002220P0A	BAG_PE_ORDINARY_FOR HP_300(I)*300(w)*0.
1P33	7749001360P0B	BAG_LLDPE_ORDINARY_ALL MODEL_W500mm*H0.
1P34	7749001370P0A	BAG_LLDPE_FILM STRETCH WRAP_ALL MODEL_W
1P37	7749001520P0B	BAG_LDPE_ORDINARY_ALL MODEL_L600xW780x
1P41	7749600730P0A	TAPE_PACKING_50mx65mmx0.055mm_ACER
1P42	7749600400P0A	TAPE_PACKING_914mx63.5mmx0.065mm_ACER
1P43	7749600200P0A	TAPE_MASKING_PACKING_25mm(w)x45m_LITEON
1P44	7749600650P0A	TAPE_PACKING_250Mx15mmx0.95mm_ALL MODEL
1P52	7749402030P0A	BOARD_CORNER PAPER_L1000xW50x3mm
1P53	7749401980P0A	BOARD_CORNER PAPER_L2050xW50x3mm
1P57	7749405520P0A	PAPER BOARD_L1050mmxW800mmxH4mm
2B01	7735431710P0A	LABEL_MODEL LABEL_#6800_90x60mm_ACER_T20
2P01	7735431081P0A	LABEL_PACKING LB_WHITE_100x80_ACER_ALL
2P09	7735421811P0A	LABEL_PACKING LB_WHT_152.4x101.6_ALL
2U01	1241000400P	MODEL LABEL_WHITE
2U02	1241000208P	LABEL_IC LABEL_ALL_ART PAPER_3x2mm
2U03	1241000205P	ID DATE CODE LABEL
6LC1	7742005150P0A	SPONGE_GASKET_EVA_GRAY_L12xW12xH12mm
Y001	7730303229P0A	MANUAL ASSY_ACER_T20ANUW_AL2002W_US

PACKING ASSYS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
Y0A1	7730203466P0A	CD_MANUAL_ACER_T20ANUW_AL2002W_EMEA
Y0B1	7730203467P0A	CARD_QSG_ACER_T20ANUW_AL2002W_EMEA
Y0C1	7730203143P0C	CARD_APA WARRANTY_ACER_ALL MODELS_US
Y0D1	7730203137P0A	CARD-CARD(TCO99 CARD)-ACER-ALL MODELS-

PARTS & MISCELLANEOUS PARTS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
2U01	1133003609P	ADHESIVE_RED GLUE_3609 um/m/°C ASTME831_8 L
6B01	7742241350P0A	RC_#6800_ABS 94HB_ACER_T20BNUW
6B01M	7742616161P0A	COVER_HINGE_#6800_ABS 94HB_ACER_T20ANUW_
6F01	7737516151P0A	FC ASSY_#6790/#6810P_ABS 94HB_ACER_
6F01N	7141220061P0A	SCREW_DOUBLE THREAD_WITH WASHER_PAN_M2
6F01O	7141220061P0A	SCREW_DOUBLE THREAD_WITH WASHER_PAN_M2
6FA1	7742240251P0A	FC_#6790/#6810P_ABS 94HB_ACER_T20ANUW_
6FB1	7742808011P0A	PUSH BUTTON_FUNCTION KEY_#6790/6810P_ABS
6FC1	7742303000P0A	LENS_LED_TRANSPARENCE_PC_LITEON_T22BALW
6L01	7737816290P0A	BRACKET ASSY_CHASSIS_ACER_T20BNUW_SGCC
6L01K	7140330101P0A	SCREW_DOUBLE THREAD_NONE_FLAT HEAD_M3_1
6L01N	7111230061P	SCREW-MACHINE-Flat Washer-Pan-M3-6-Zn
6L01O	7111230061P	SCREW-MACHINE-Flat Washer-Pan-M3-6-Zn
6L01P	7116240081P0A	SCREW-MACHINE-Star Washer-Pan-M4-8-Zn
6L01Q	7140330101P0A	SCREW_DOUBLE THREAD_NONE_FLAT HEAD_M3_1
6L01R	7110730082P0A	SCREW_MACHINE_NONE_HEX WASHER HEAD_M3_8m
6L01S	7140130081P0A	SCREW_DOUBLE THREAD_ROUND_M3_8L_YELLOW
6L01T	7740201780P0A	SCREW_MACHING_WITHOUT_FLAT HEAD_M3x5_NI
6L01U	7117240073P0A	SCREW_MACHINE_W/WASHER_PAN_M4x7_BLK_ZINC
6L01Y	7140130081P0A	SCREW_DOUBLE THREAD_ROUND_M3_8L_YELLOW
6LA1	7748716490P0A	BRACKET_CHASSIS_ACER_T20BNUW_SGCC T=0.8
6LB1	7746505130P0A	INSULATOR-MYLAR-BRACKET_JADE20W_FRPP
8C01	7737716351P0A	BASE ASSY_#6800_ABS 94HB_ACER_T20ANUW_
8C01M	7738001670P0A	HINGE ASSY_NONE_LITEON-T22BALW
8C01N	7742616171P0A	COVER_STAND_#6800_ABS 94HB_ACER_T20ANUW_
8CA1	7742005070P0A	RUBBER CUSHION_FOOT PAD_SILICONE_BLK
8CB1	7740416041P0A	BASE_STAND_#6800_ABS 94HB_ACER_T20ANUW_
D809M	7746402681P0A	HEAT SINK_K17ANU_AL_6063
D809N	7110430081P	SCREW-MACHINE-Binding-M3-8-Zn
D810M	7746402830P0A	HEAT SINK_DELL_1703FP&DELL_1901FP_AL
D810N	7110430081P	SCREW-MACHINE-Binding-M3-8-Zn
F801	6851031550P	FUSE_TIME LAG_3.15A/250V_LITTEL
F801E	6622050010P	FUSE CLIP_FC
L809	6700060000P	JUMPER WIRE
P801	6621030150PS0	AC Inlet_3P_INALWAYS_0707-1-C7C
P801	6621030151P91	AC Inlet_3P_DLK_CDJ_3H
P801G	7740200700P0C	RIVET_EYELET_Phosphor bronze_φ=2
P801L	7740200700P0C	RIVET_EYELET_Phosphor bronze_φ=2
P801N	7740200700P0C	RIVET_EYELET_Phosphor bronze_φ=2
P802	6711100005P90	HARNESS_10P_140mm_1007#24_ETC
Q803M	7746402681P0A	HEAT SINK_K17ANU_AL_6063
Q803N	7110430081P	SCREW-MACHINE-Binding-M3-8-Zn
S601	6853001100P	SWITCH_TACT_SKHHAK2510_BLK 5mm
S601	6853001120P	SWITCH_TACT_100gf_BLK_DANG NAN

PARTS & MISCELLANEOUS PARTS

CKD_ID	FOR U.S.A. (LITE-ON Part No.)	DESCRIPTION
S602	6853001100P	SWITCH_TACT_SKHHAK2510_BLK 5mm
S602	6853001120P	SWITCH_TACT_100gf_BLK_DANG NAN
S603	6853001100P	SWITCH_TACT_SKHHAK2510_BLK 5mm
S603	6853001120P	SWITCH_TACT_100gf_BLK_DANG NAN
S604	6853001100P	SWITCH_TACT_SKHHAK2510_BLK 5mm
S604	6853001120P	SWITCH_TACT_100gf_BLK_DANG NAN
S605	6853001100P	SWITCH_TACT_SKHHAK2510_BLK 5mm
S605	6853001120P	SWITCH_TACT_100gf_BLK_DANG NAN
TAP1	6876008600P	ALUMINIUM TAP_W30*L0080mm*100M_3M
V200	6814202010P24	LCD_20"_M201EW02 V1(LTC)_AUO
X301	6449006400P	CRYSTAL_14.318MHz_AT_49_TOPICS