SERVICE MANUAL

17” LCD Monitor

F1703

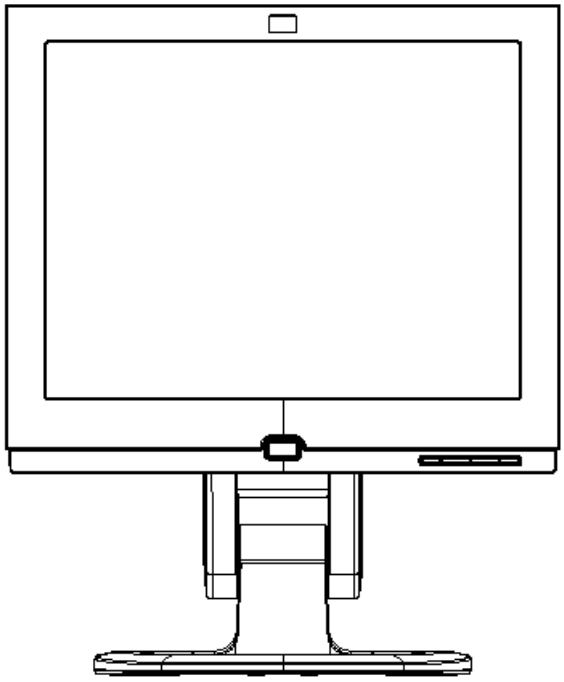

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Table of Content

Revision List

Version	Date	Revision History	TPV Mode Name
A00	Mar.-06-06	Initial release	T783KSHHCZHAA

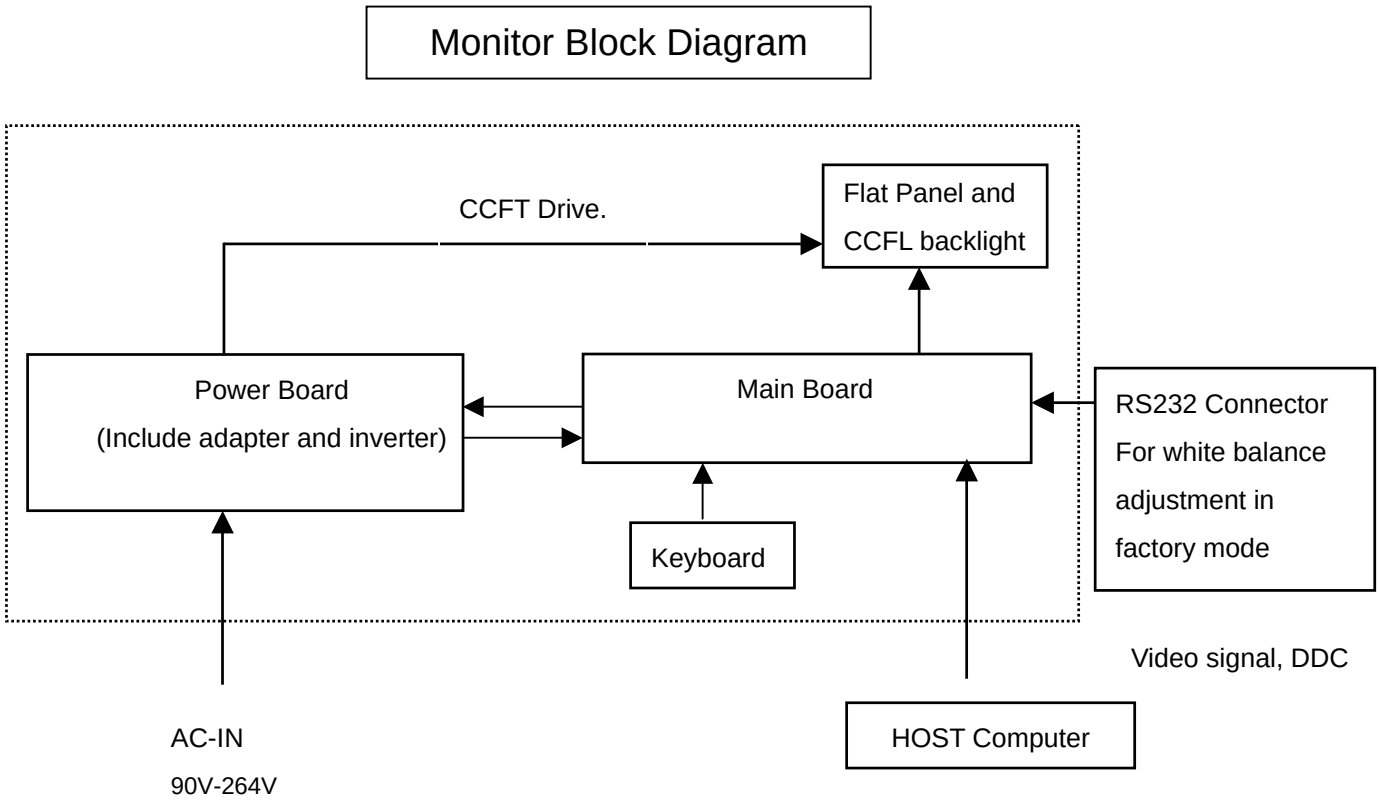
1.Monitor Specification

Items	Description	
LCD Panel	Driving system	TFT Color LCD
	Panel	LTM170EU-L11
	Size (Active Area)	337.920(H) x270.336 (V)
	Pixel pitch	0.264mm(H)x 0.264mm(V)
	Viewable angel	150˚ (H) 135˚ (V) (CR≥10)
	Response time (typ.)	13 ms
	Contrast Ratio	500:1
Input	Video	Analog
	Sync. Type	H/V T TL
	H-Frequency	30kHz – 83kHz
	V-Frequency	56-76Hz
Display Colors	16.2 million Colors	
Dot Clock	140 MHz	
Max. Resolution	1280 x 1024	
Plug & Play	VESA DDC2B™	
Power Consumption	ON Mode	≤50W
	Sleep Mode	≤2W
	OFF Mode	≤2W
Power Source	90~264VAC,47~63Hz	
Environmental Considerations	Operating Temp: 5°C to 35°C Storage Temp.: -20°C to 60°C Operating Humidity : 20% to 80%	
Altitude	Operating	0 to 12,000 feet

2.LCD Monitor Description

The LCD Monitor will contain a main board, a power board, and a key board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.



3. Operation Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The other control buttons are located at front of the panel.

By changing these settings, the picture can be adjusted to your personal performance.

- The power cord should be connected and insert to adaptor.
- Connect the video cable from the monitor to the computer VGA card.
- Press the power button to turn on the monitor, the power indicator will light up to Green.

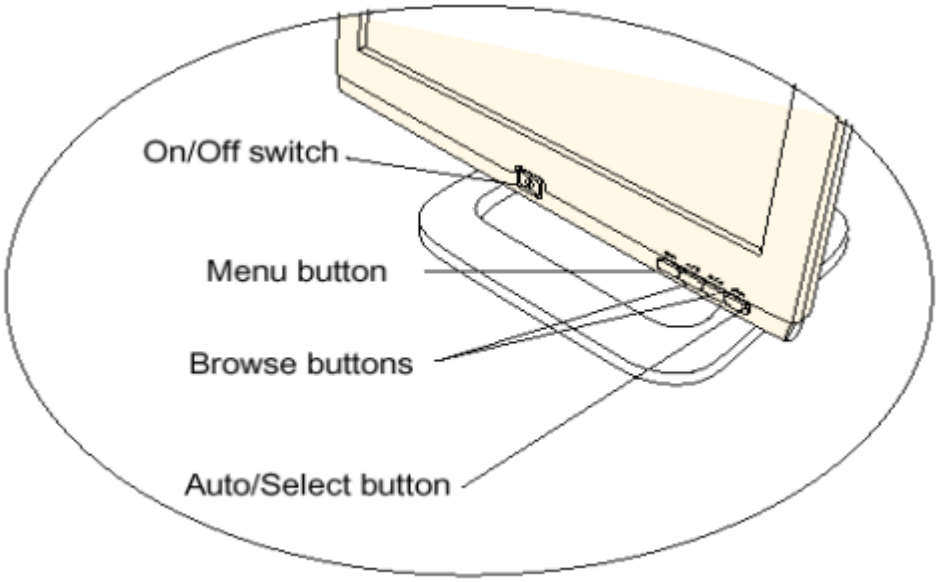
3.2 Control Buttons

- **Power Button:**
  When pressed, the monitor enters the off mode, and the LED turns blank. Press again to restore normal status.

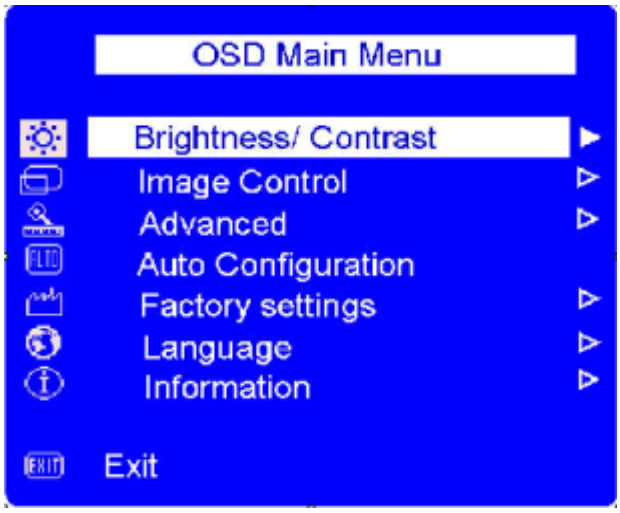
- **Auto Adjust Key:**
  The Auto Adjust Key is used to automatically set the H Position, V Position, Clock and Phase.

- **Left / Right Button:**
  The Left/Right Button is used to control the monitor functions. Press to switch functions or adjust settings.

- **Power Indicator:**
  Blue — Power On mode.
  Amber — Power Saving mode.
  Blank — Power Off Mode.



3.3 Adjust the Picture



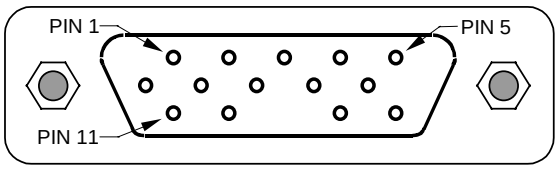
1.	Brightness/ Contrast	Adjust the brightness or the difference between the light and dark area.
2.	Image Control	Adjust the: ● horizontal position of the screen image. ● vertical position of the screen image. ● frequency of the pixel clock to minimize vertical bar. ● phase value to minimize horizontal jitters.
3.	Advance	Displays a sub-menu with two option: ● Color: adjusts the color tint of white, and the red, green, and blue (RGB) mix for colors. ● OSD (on Screen Display) settings: adjusts the position, timeout, and notification features of the On Screen Display window.
4.	Auto Configuration	Adjusts the main settings and produces a stable, centered image.
5.	Factory settings	Resets the display to original factory settings for color, brightness, phase, and clock.
6.	Language	Shows the language of the OSD window.
7.	Information	Shows the current resolution and refresh rate; Shows the serial number of display; shows the power-on time, and the power-saving time.
8.	Exit	Closes the OSD window.

4. Input/Output Specification

4.1 Input Signal Connector

Pin	Mnemonic	Signal	Pin	Mnemonic	Signal
1	RV	Red Video	9	+5 V	+5 V (from PC)
2	GV	Green Video	10	SG	Sync Ground
3	BV	Blue Video	11	NC	None (available for mfg use if required)
4	NC	None（available for mfg use if required）	12	SDA	DDC Data
5	GND	Ground (DDC Return)	13	HS	Horizontal Sync
6	RG	Red GND	14	VS	Vertical Sync
7	GG	Green GND	15	SCL	DDC Clock
8	BG	Blue GND			

VGA connector layout



4.2 Factory Preset Display Modes

Preset	Pixel Format	Horz Freq (KHz)	Horz Polarity	Vert Freq (Hz)	Vert Polarity	Pixel Clk (MHz)	Source
1	640 x 350	31.469	+	70.086	-	25.175	VGA
2	640 x 480	31.469	-	59.940	-	25.175	VGA
3	640 x 480	37.500	-	75.000	-	31.500	VESA
4	720 x 400	31.469	-	70.087	+	28.322	VGA
5	800 x 600	37.879	+	60.317	+	40.000	VESA
6	800 x 600	46.875	+	75.000	+	49.500	VESA
7	1024 x 768	48.363	-	60.004	-	65.000	VESA
8	1024 x 768	56.476	-	70.069	-	75.000	VESA
9	1024 x 768	60.023	+	75.029	+	78.750	VESA
10	1280 x 1024	63.981	+	60.02	+	108.0	VESA
11	1280 x 1024	79.976	+	75.035	+	135.0	VESA

4.3 Power Supply Requirements

Parameter	Range
AC Input Voltage	90 to 265V
AC Input Frequency	47 to 63 Hz
Inrush Current	50A MAX AT 220VAC and 30A AT 120VAC
Leakage Current	3.5 mA @264 VAC and 50Hz
Power consumption	≤50W

5. Panel Specification

5.1 General Feature

- High contrast ratio, high aperture structure
- TN (Twisted Nematic) mode
- Wide viewing angle
- High speed response
- SXGA (1280 x 1024 pixels) resolution
- Low power consumption
- 2 dual CCFTs (Cold Cathode Fluorescent Tube)
- DE (Data Enable) mode
- LVDS (Low Voltage Differential Signaling) interface (2pixel/clock)
- Compact Size Design

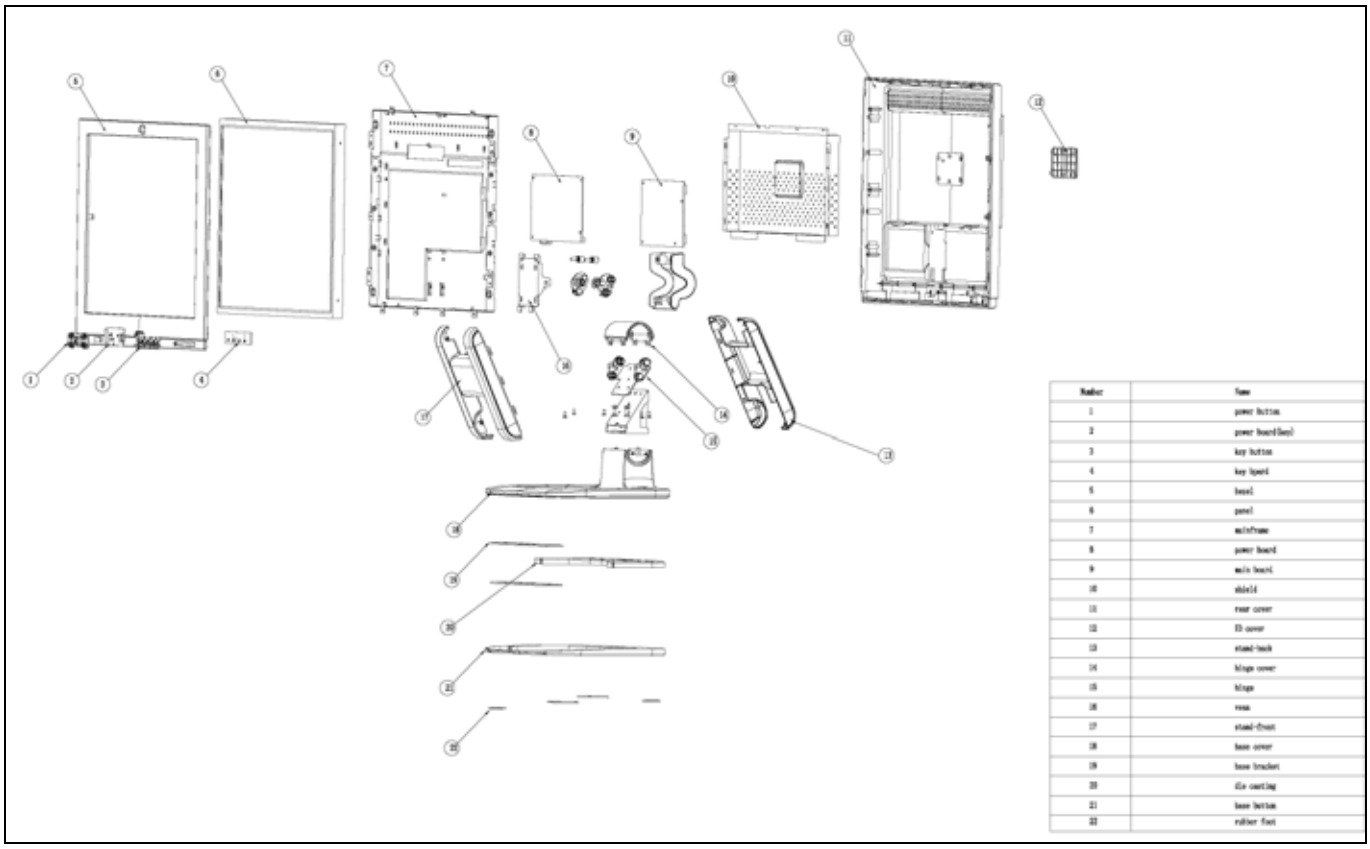
Items	Specification	Unit	Note
Display area	337.92(H) x 270.336(V)	mm	
Driver element	a-Si TFT active matrix		
Display colors	16.2M	colors	
Color Gamut	70.8 (Based on sRGB)	%	
Number of pixels	1280 x 1024	pixel	
Pixel arrangement	RGB vertical stripe		
Pixel pitch	0.264(H) x 0.264(W)	mm	
Display mode	Normally White		
Surface treatment	Haze 25% , Hard-coating (3H)		Anti-glare

5.2 Optical Characteristics

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Contrast Ratio (Center of screen)		C/R	Normal $\phi = 0$ $\theta = 0$ Viewing Angle	400	500	-	
Response Time	Rising	Tr		-	3	5	msec
	Falling	Tf		-	10	13	
Luminance of White (Center of screen)		Y_L		250	300	-	cd/m2
Color Chromaticity (CIE 1931)	Red	Rx		0.620	0.650	0.680	
		Ry		0.300	0.330	0.360	
	Green	Gx		0.270	0.300	0.330	
		Gy		0.570	0.600	0.630	
	Blue	Bx		0.120	0.150	0.180	
		By		0.050	0.080	0.110	
	White	Wx		0.283	0.313	0.343	
		Wy		0.299	0.329	0.359	
Viewing Angle	Hor.	θ L	CR≥10	65	75	-	Degrees
		θ R		65	75	-	
	Ver.	ϕ H		65	75	-	
		ϕ L		50	60	-	
Brightness Uniformity (9 Points)		Buni		-	-	25	%
Luminance Uniformity(TCO'99)		L_R		-	-	1.7	
Cross Modulation		DSHA		-	-	2	%
Flicker		F		-	-	8	

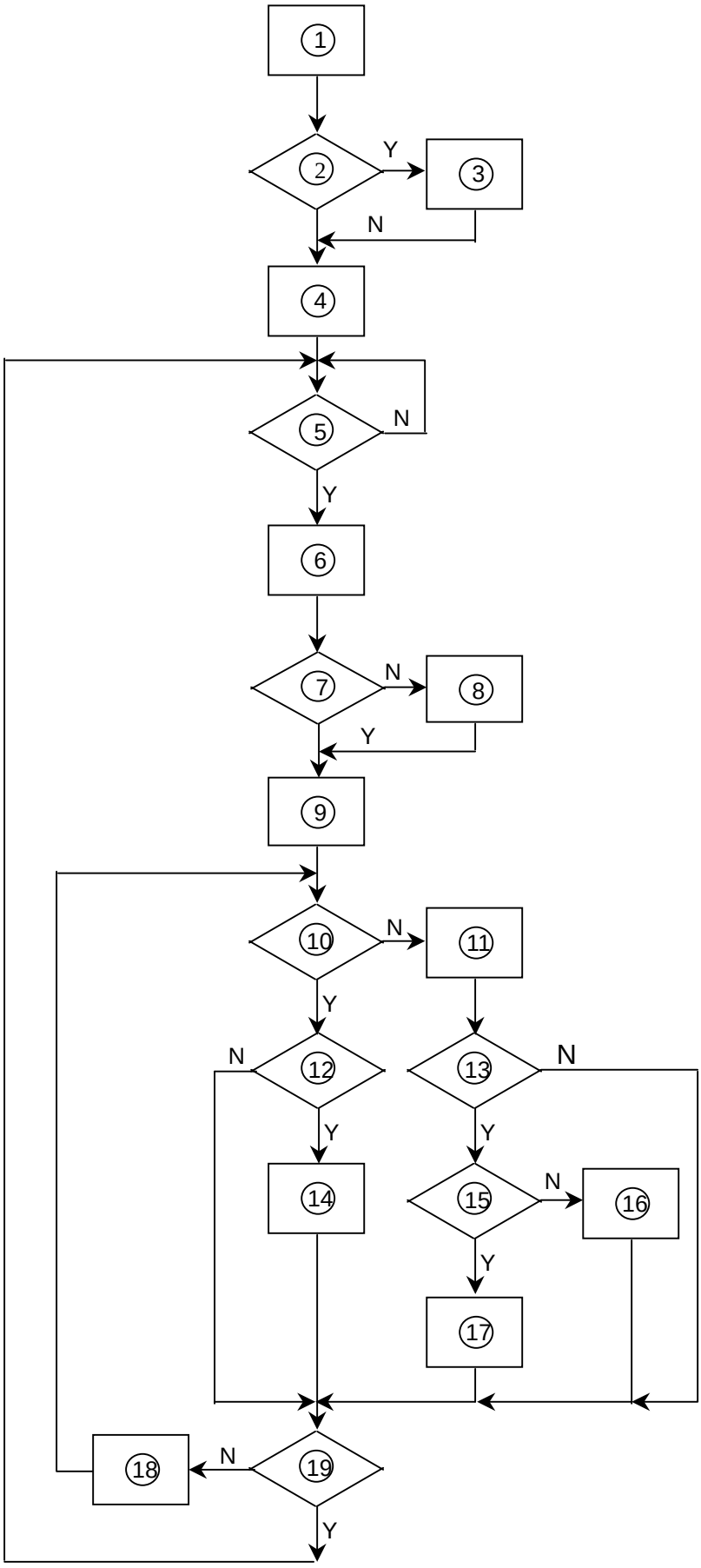
6. Block Diagram

6.1 Monitor Exploded View



Number	Name
1	power button
2	power board(Easy)
3	key button
4	key board
5	bezel
6	panel
7	midframe
8	power board
9	main board
10	shield
11	rear cover
12	IO cover
13	stand-back
14	hinge cover
15	hinge
16	vesa
17	stand-front
18	base cover
19	base bracket
20	die casting
21	base button
22	rubber foot

6.2 Software Flow Chart

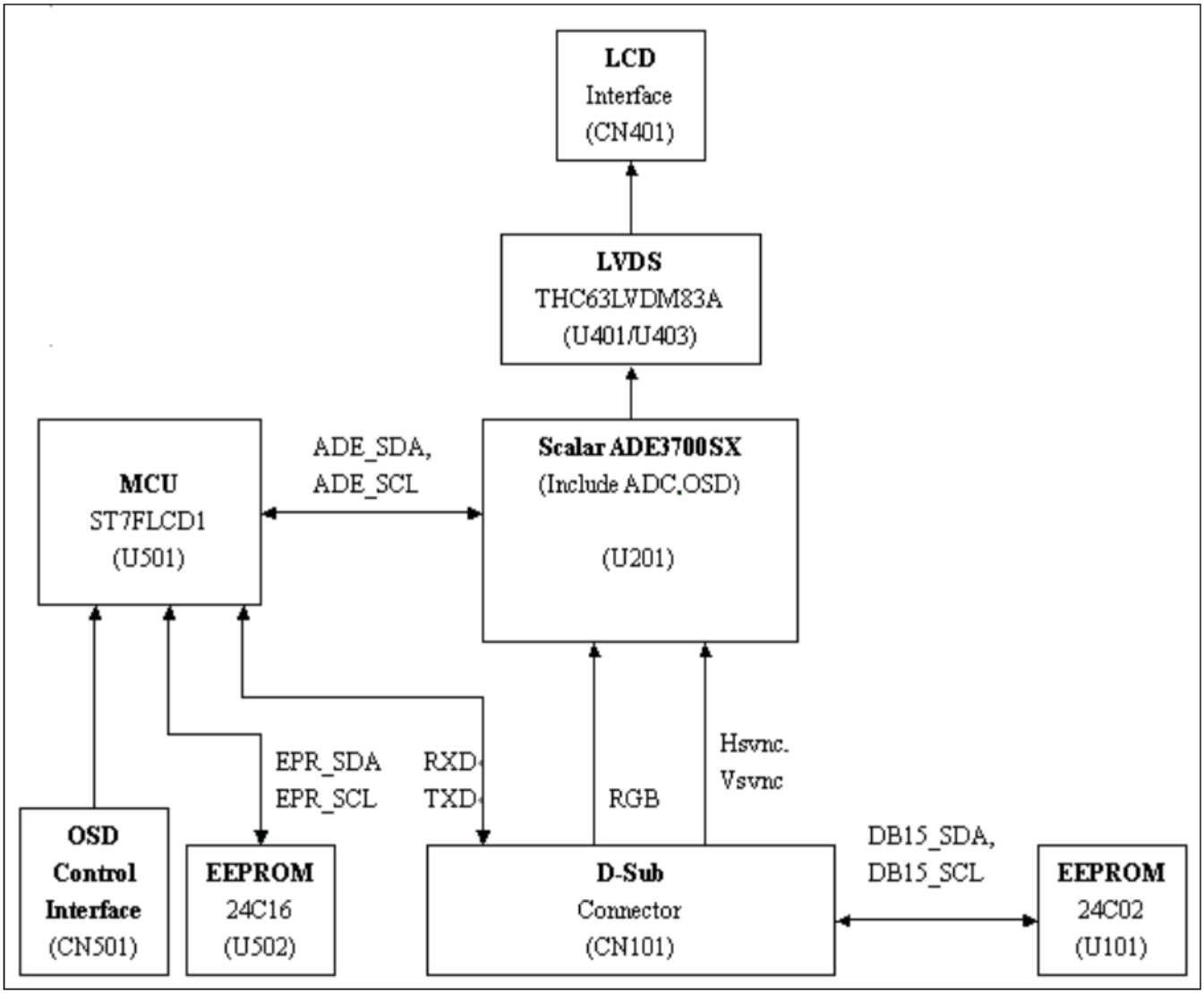


REMARK:

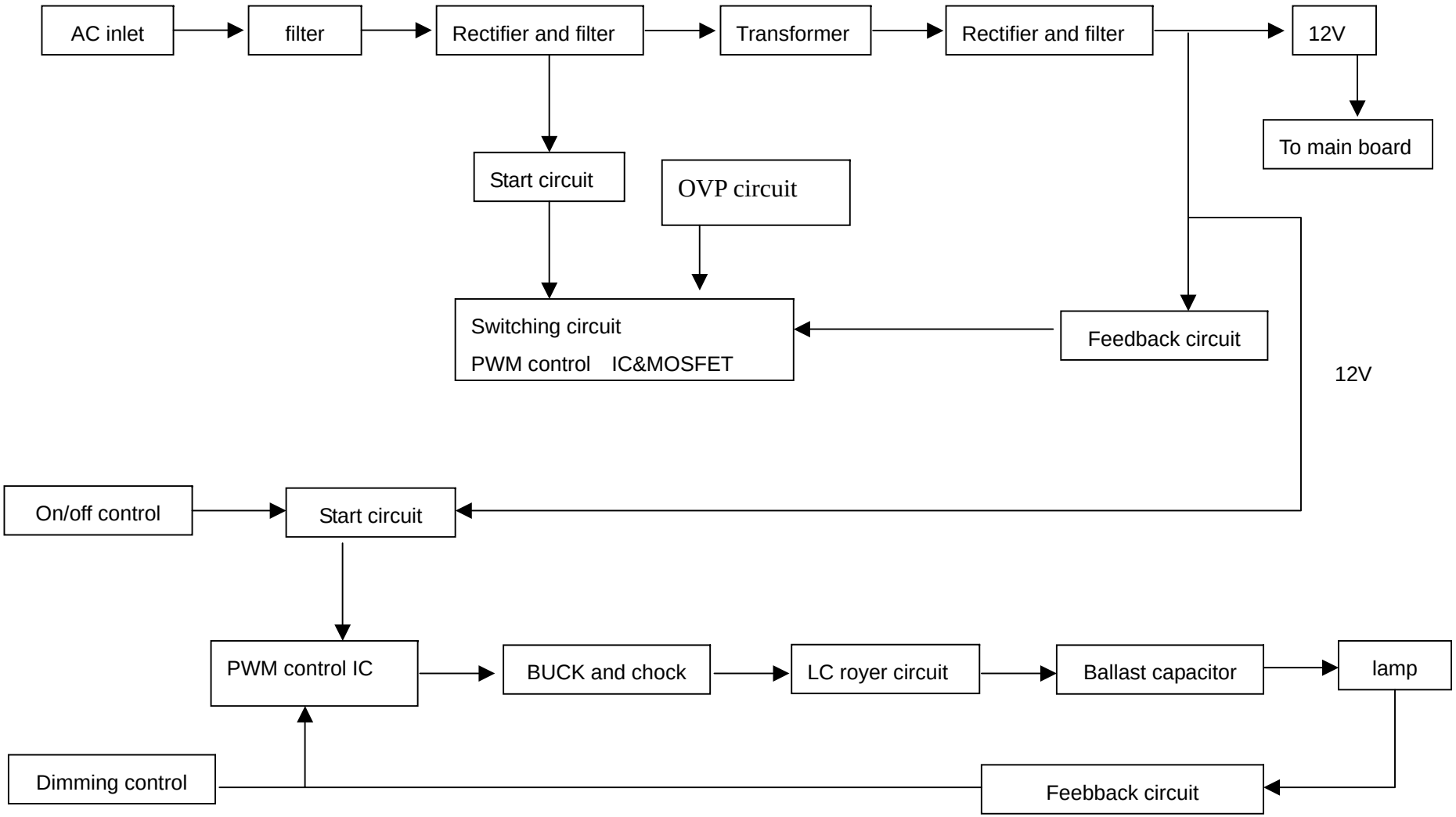
1) MCU initialize.
2) Is the EEprom blank?
3) Program the EEprom by default values.
4) Get the PWM value of brightness from EEprom.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EEprom. Turn on the LED and set it to green color. Scalar initialize.
10) In standby mode?
11) Update the lifetime of back light.
12) Check the analog port, are they’re any signals coming?
13) Does the scalar send out an interrupt request?
14) Wake up the scalar.
15) Are there any signals coming from analog port?
16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappear.
17) Program the scalar to be able to show the coming mode.
18) Process the OSD display.
19) Read the keyboard. Is the power key pressed?

6.3 Electrical Block Diagram

6.3.1 Scalar Board Block Diagram



6.3.2 Inverter / Power Board Block Diagram



7. Schematic

7.1 Main Board

REVISION HISTORY

Date	Author	Ver	Comments

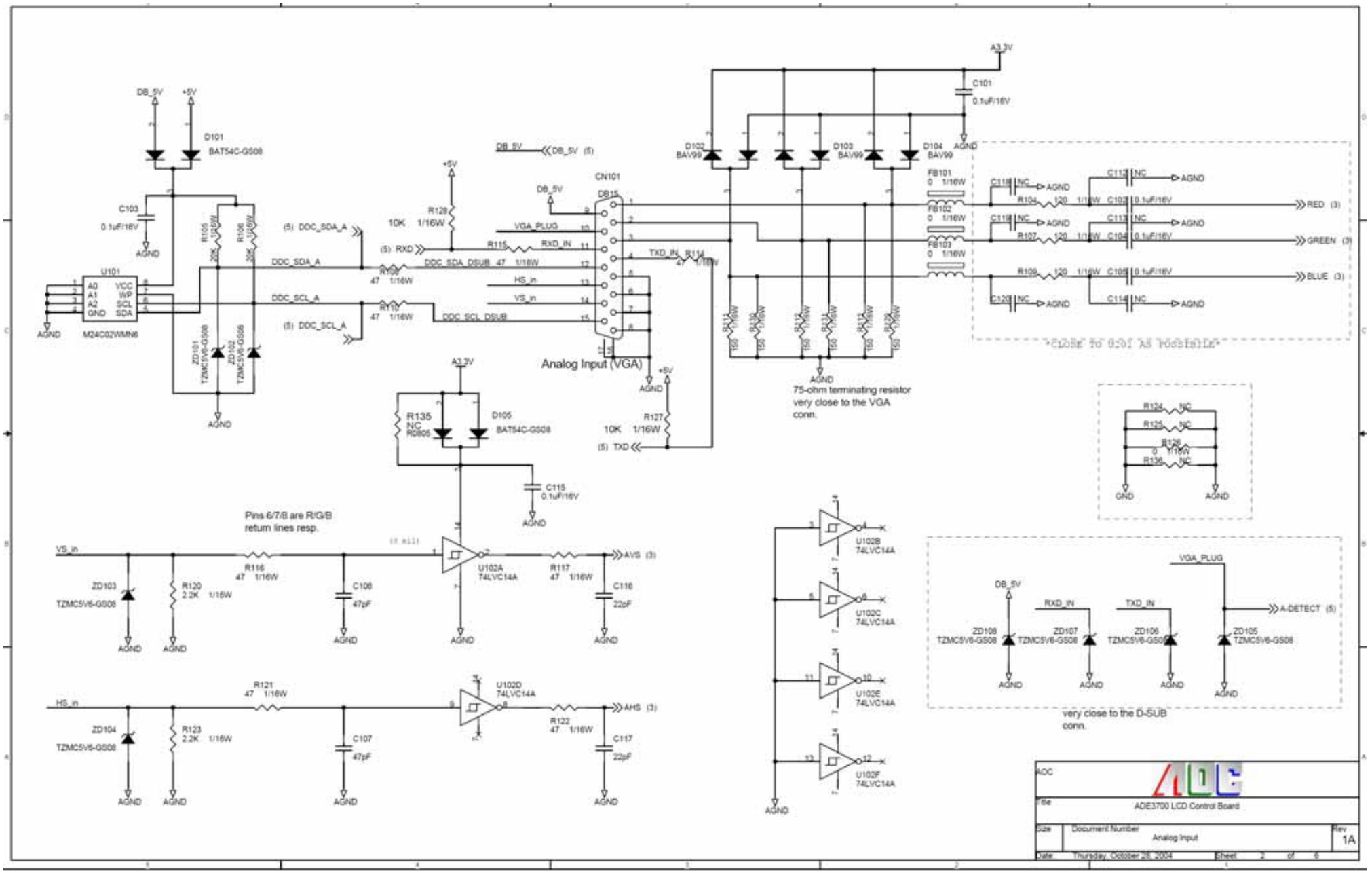
Approval	Organization	Signature	Date

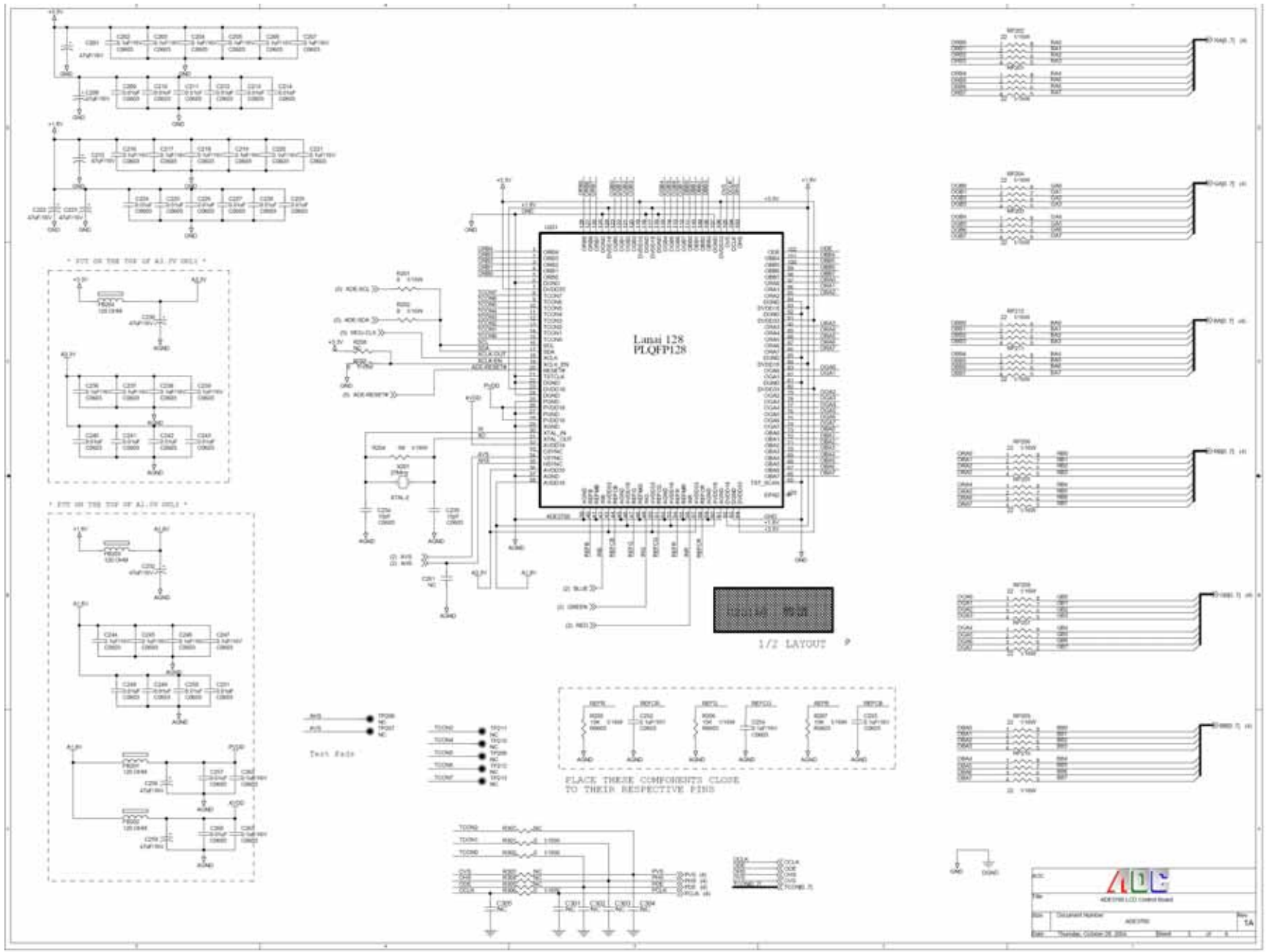
715L1006-1A-2L

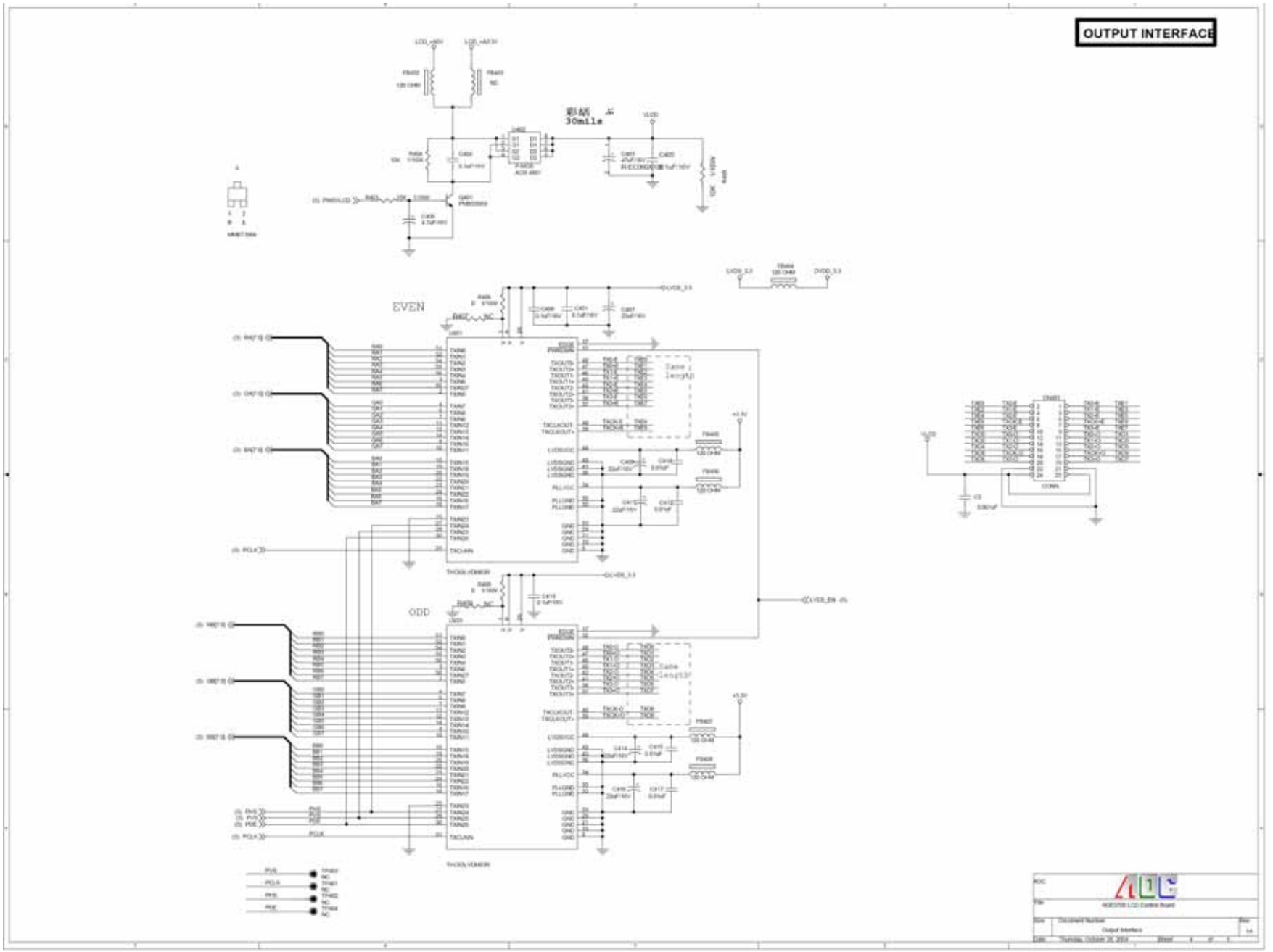
ADE3700SX 17" LCD Control Board Rev.1A

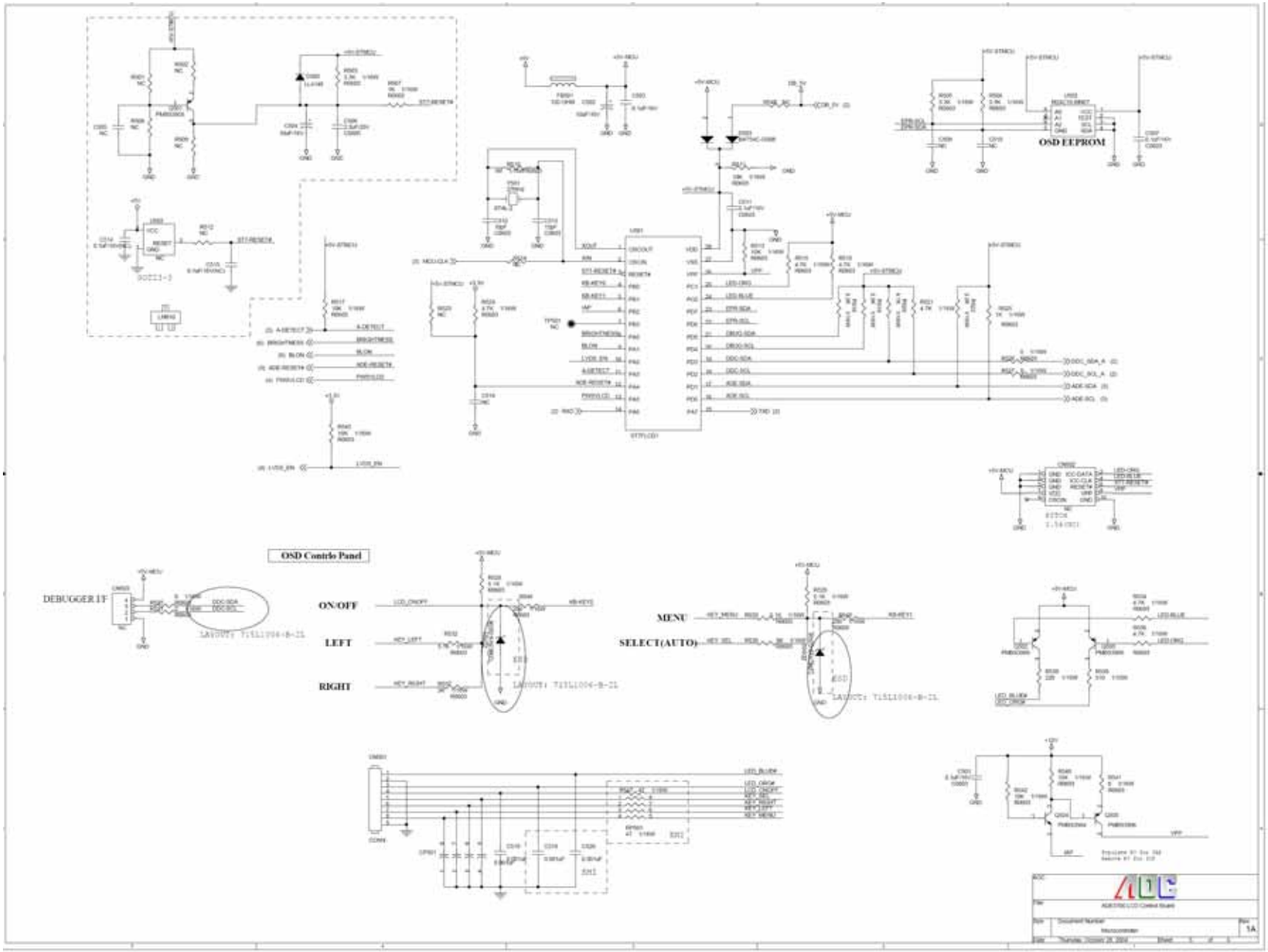
Mannequin 17"
F1703

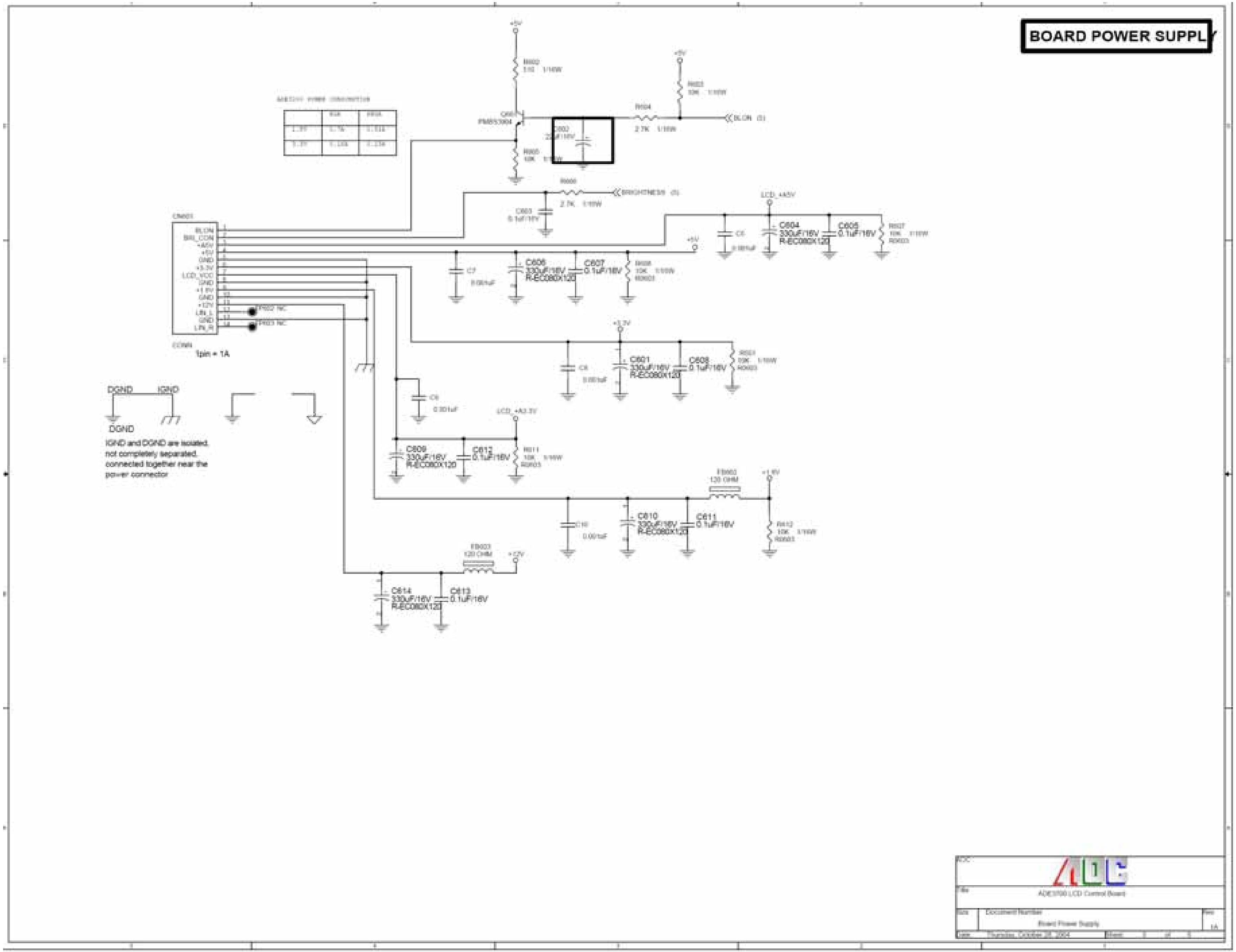
CONTENTS


Analog Input (VGA)
75-ohm terminating resistor very close to the VGA conn.
Pins 6/7/8 are R/G/B return lines resp.
very close to the D-SUB conn.
ADE3700 LCD Control Board
Analog Input
Thursday, October 28, 2004

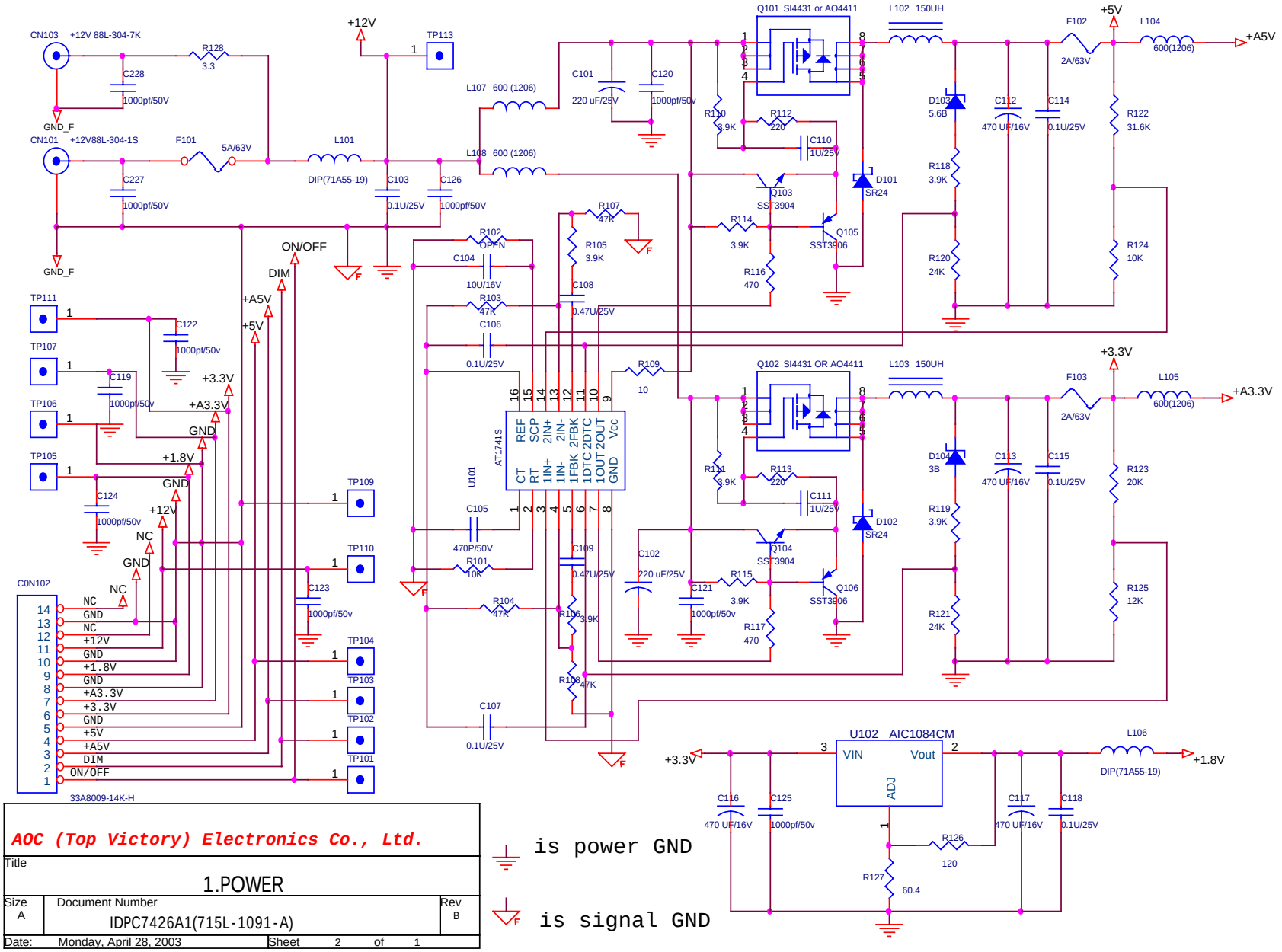

Lanai 128
PLQFP128
1/2 LAYOUT
PLACE THESE COMPONENTS CLOSE
TO THEIR RESPECTIVE PINS

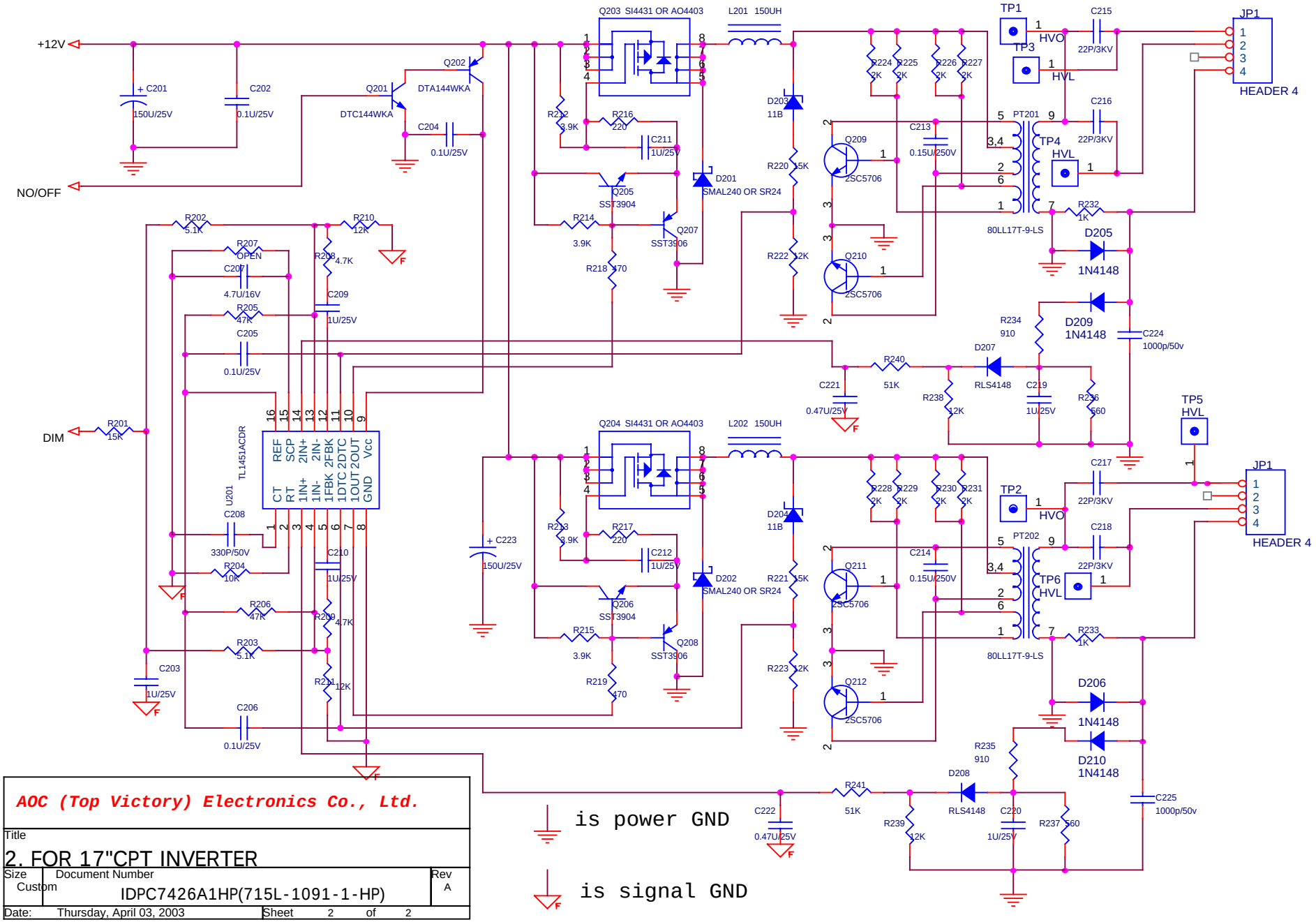

OUTPUT INTERFACE
EVEN
ODD


OSD EEPROM
OSD Contrlo Panel
DEBUGGER I/F
ON/OFF
LEFT
RIGHT
MENU
SELECT(AUTO)


BOARD POWER SUPPLY
+5V
R602
2.7K 1/16W
BLON
BRIGHTNESS
CN601
BLON
BRI_CON
+A5V
+5V
GND
+3.3V
LCD_VCC
GND
+1.8V
GND
+12V
LIN_L
GND
LIN_R
CONN
1pin = 1A
C604
330uF/16V
R-EC080X120
C605
0.1uF/16V
C606
330uF/16V
R-EC080X120
C607
0.1uF/16V
C601
330uF/16V
R-EC080X120
C608
0.1uF/16V
C609
330uF/16V
R-EC080X120
C612
0.1uF/16V
C610
330uF/16V
R-EC080X120
C611
0.1uF/16V
C614
330uF/16V
R-EC080X120
C613
0.1uF/16V
DGND
IGND
DGND
IGND and DGND are isolated,
not completely separated,
connected together near the
power connector

7.2 Inverter Board

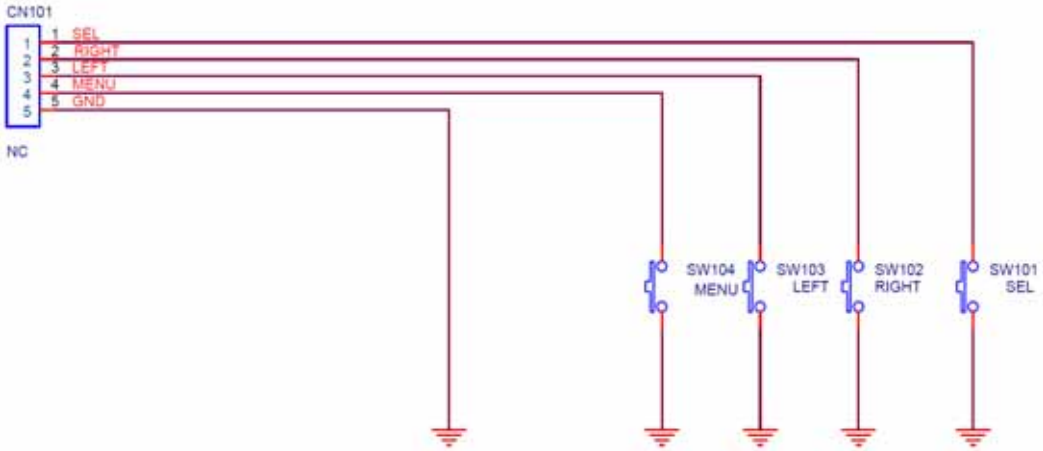




AOC (Top Victory) Electronics Co., Ltd.		
Title: 2. FOR 17"CPT INVERTER		
Size: Custom	Document Number: IDPC7426A1HP(715L-1091-1-HP)	Rev: A
Date: Thursday, April 03, 2003	Sheet 2 of 2	

7.3 Key Board

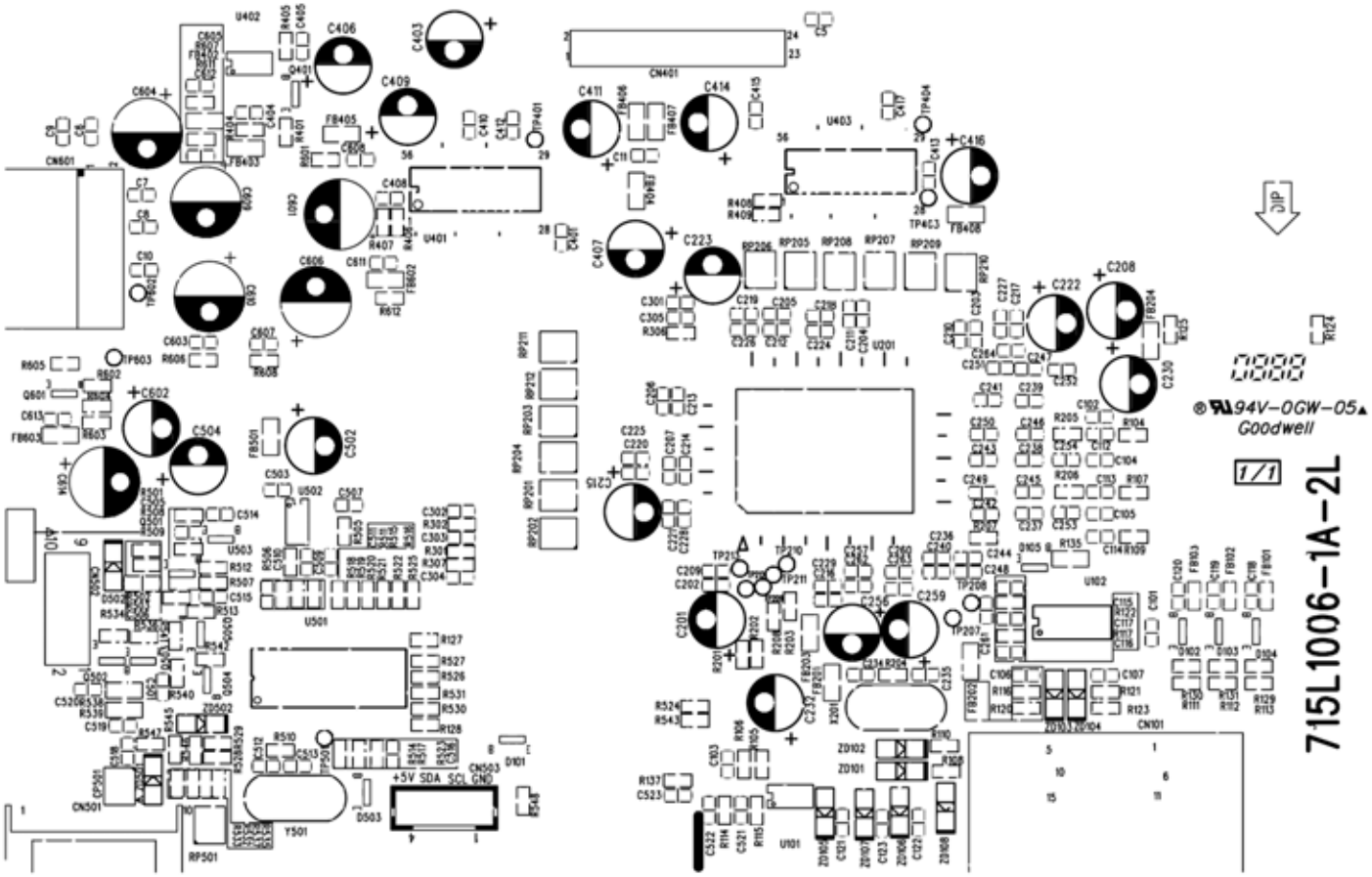
AOC			
Title	ADE3300 LCD Control Board		
Size B	Document Number Power Key,LED board		Rev 0.1
Date: Thursday, November 14, 2002	Sheet 1 of 1		



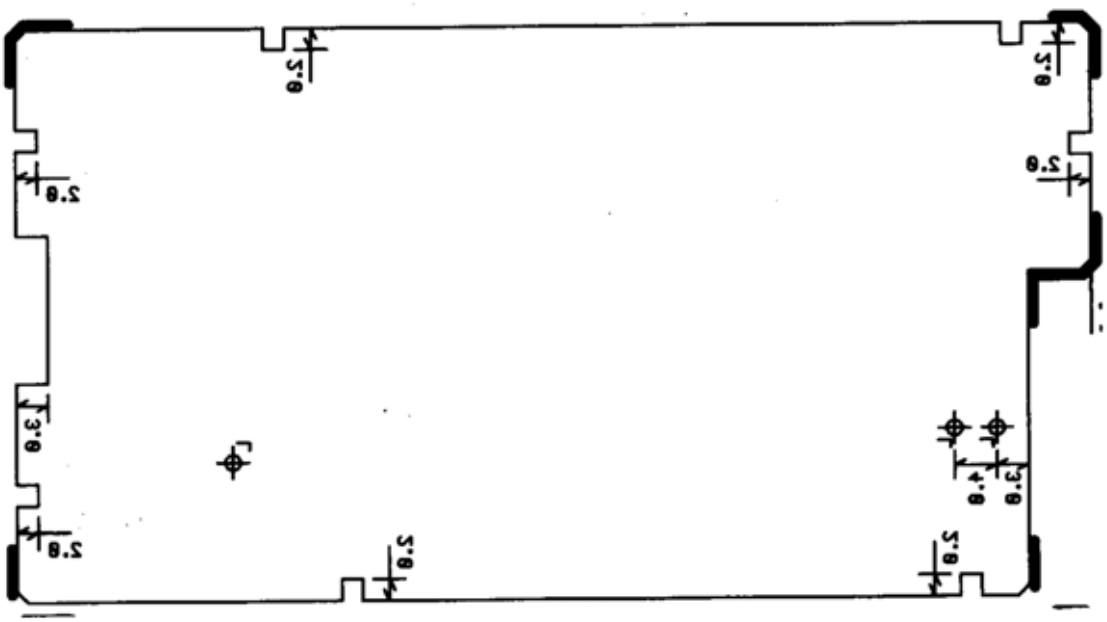
AOC			
Title	ADE3300 LCD Control Board		
Size B	Document Number OSD Key		Rev 0.1
Date: Monday, September 30, 2002	Sheet 1 of 1		

8. PCB Layout

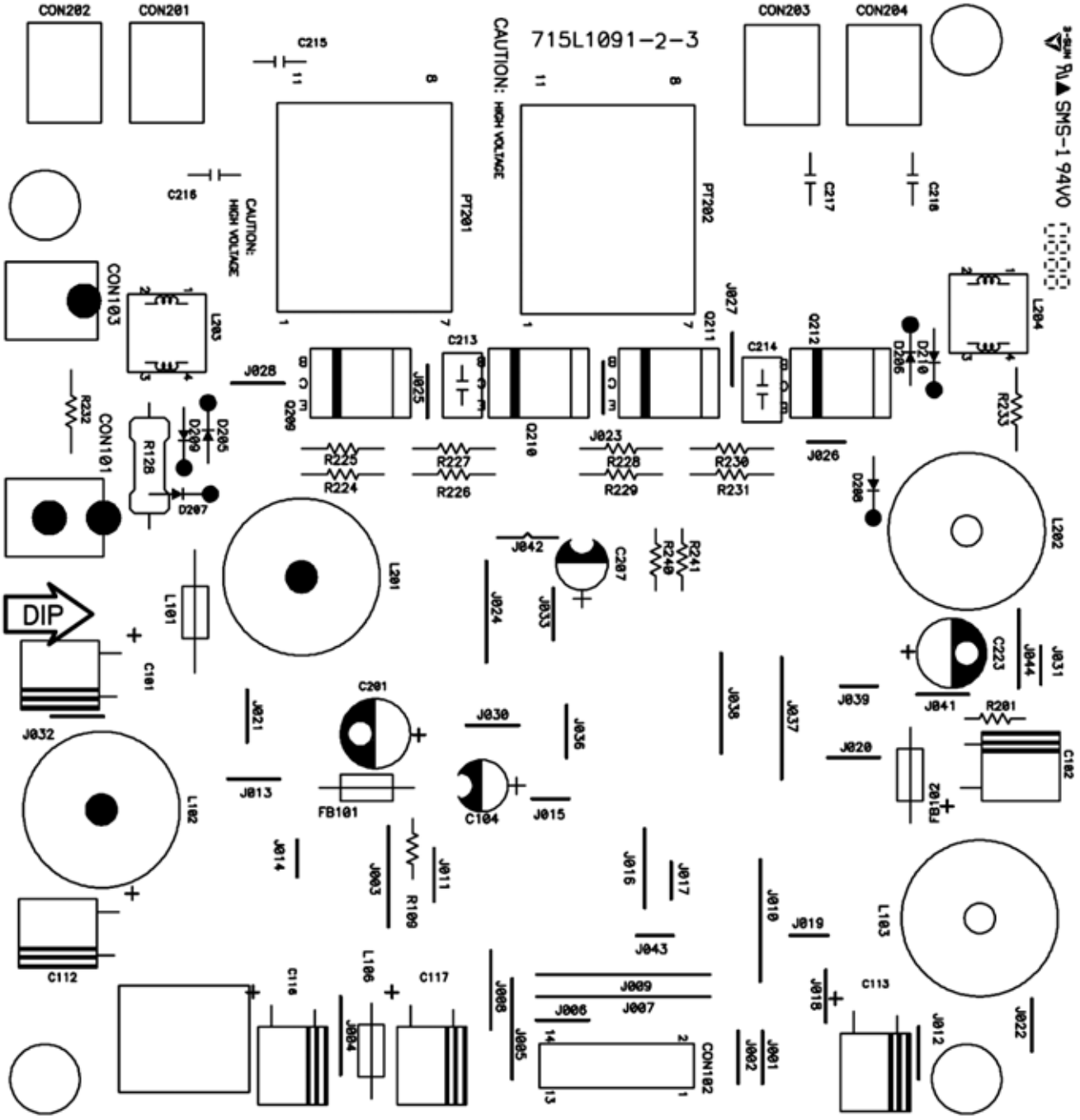
8.1 Main Board



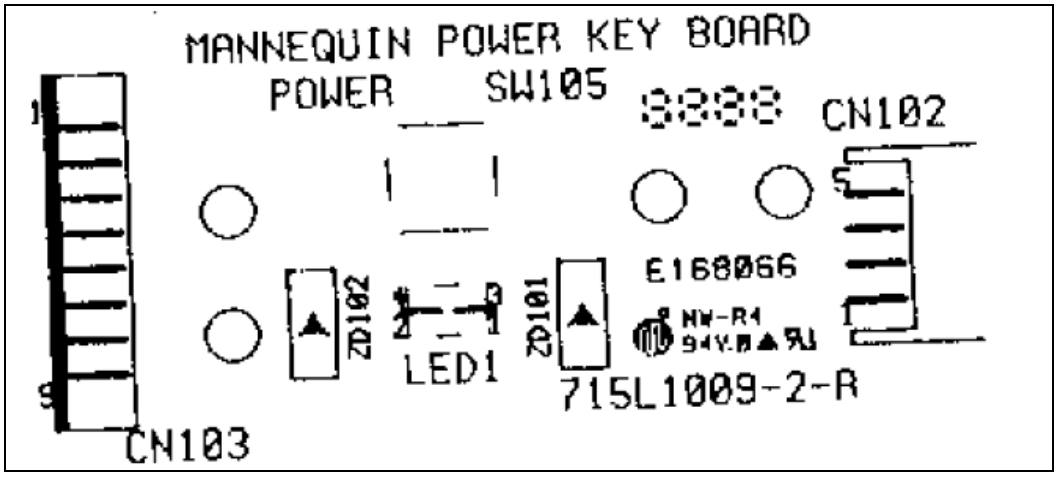
8.2 Adapter



8.3 Inverter Board



8.4 Power key Board



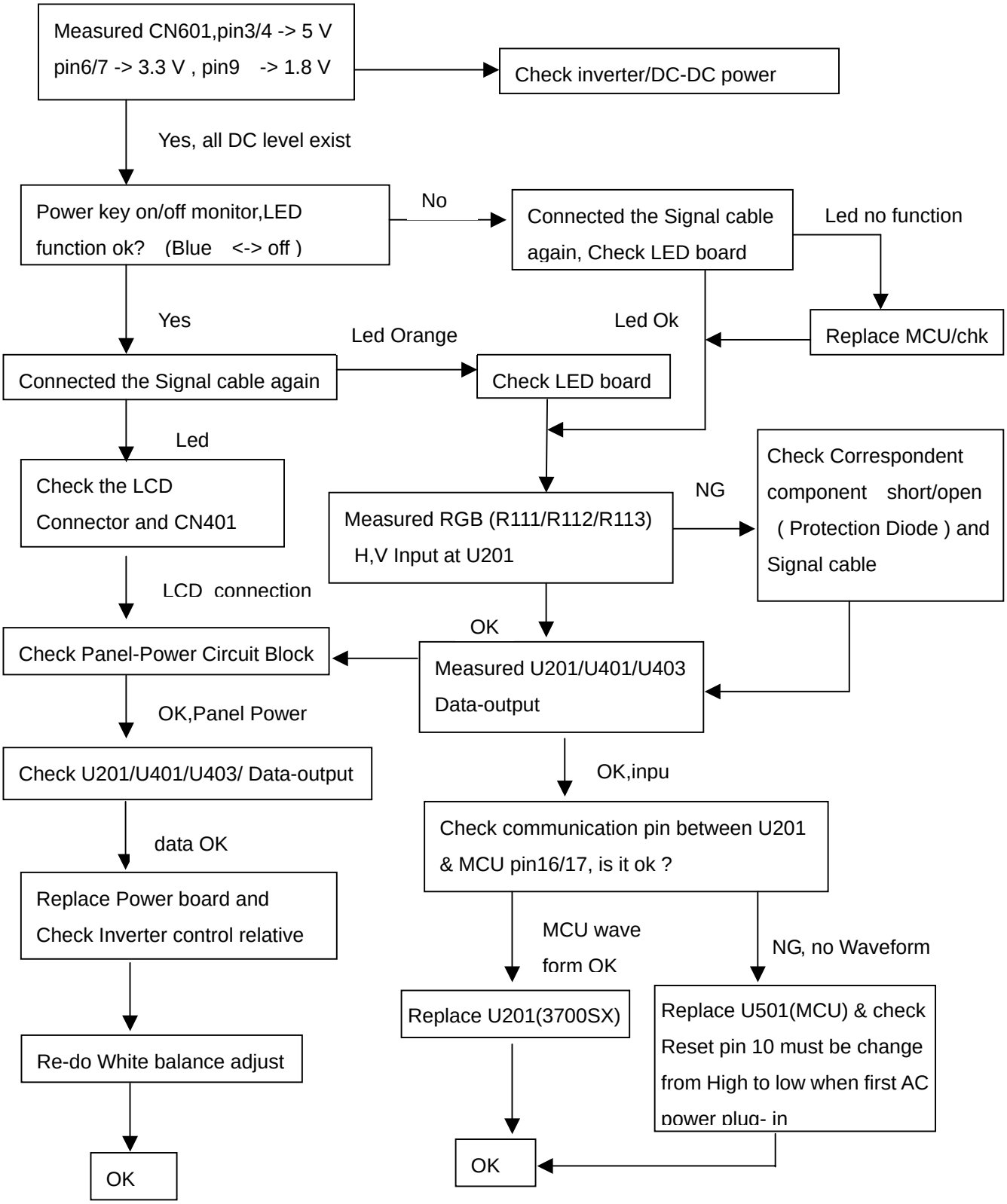
9. Maintainability

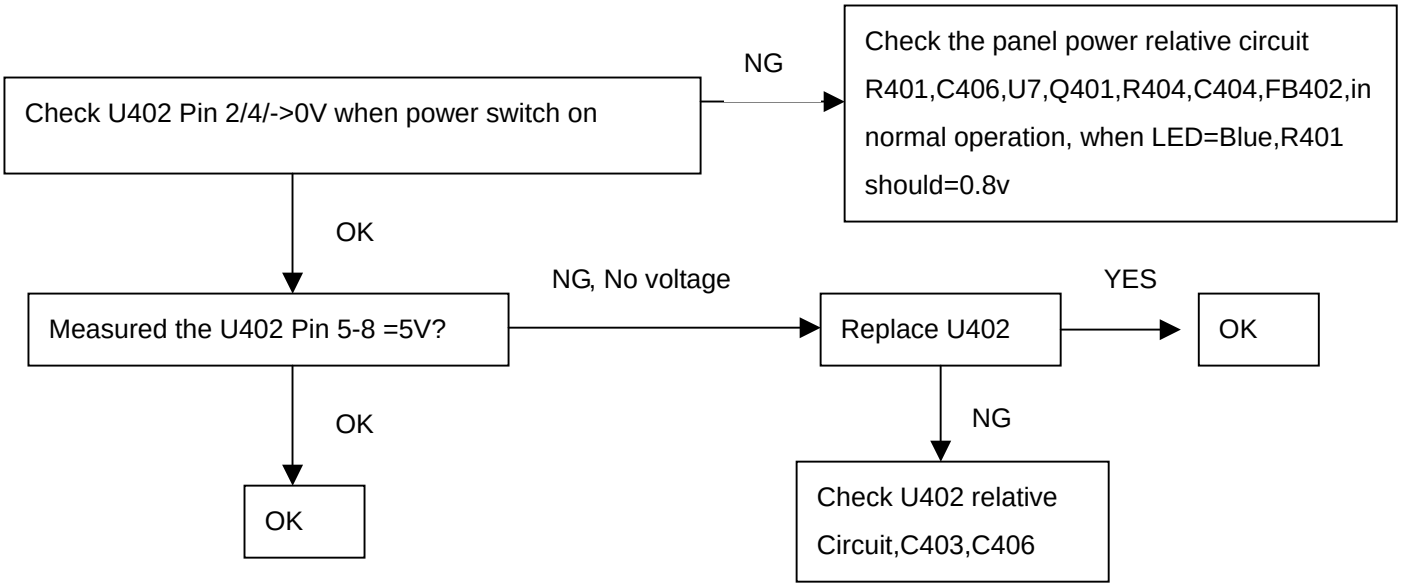
9.1Equipments and Tools Requirement

1. Multi-meter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

9.2 Trouble Shooting

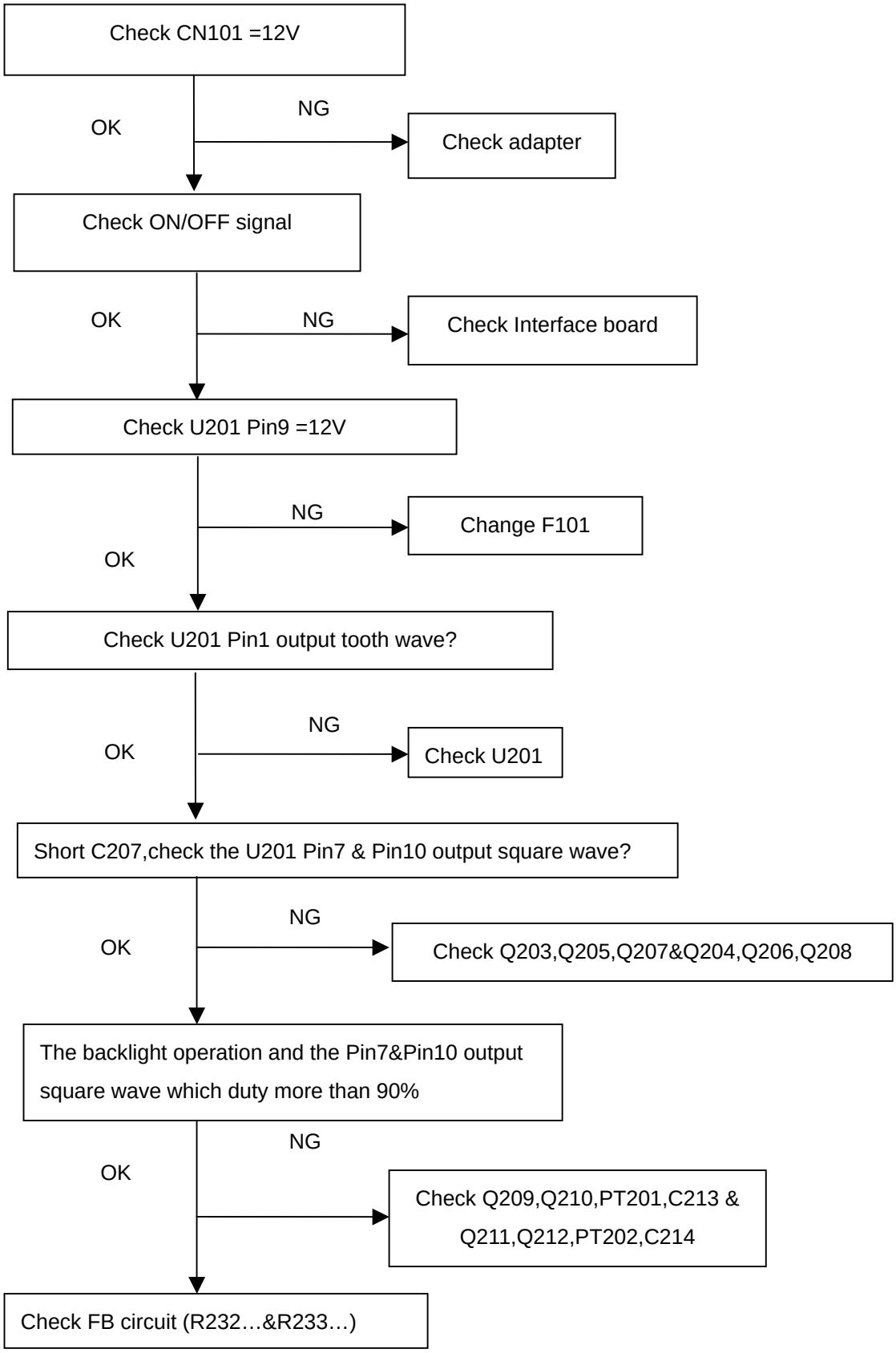
9.2.1 Main Board



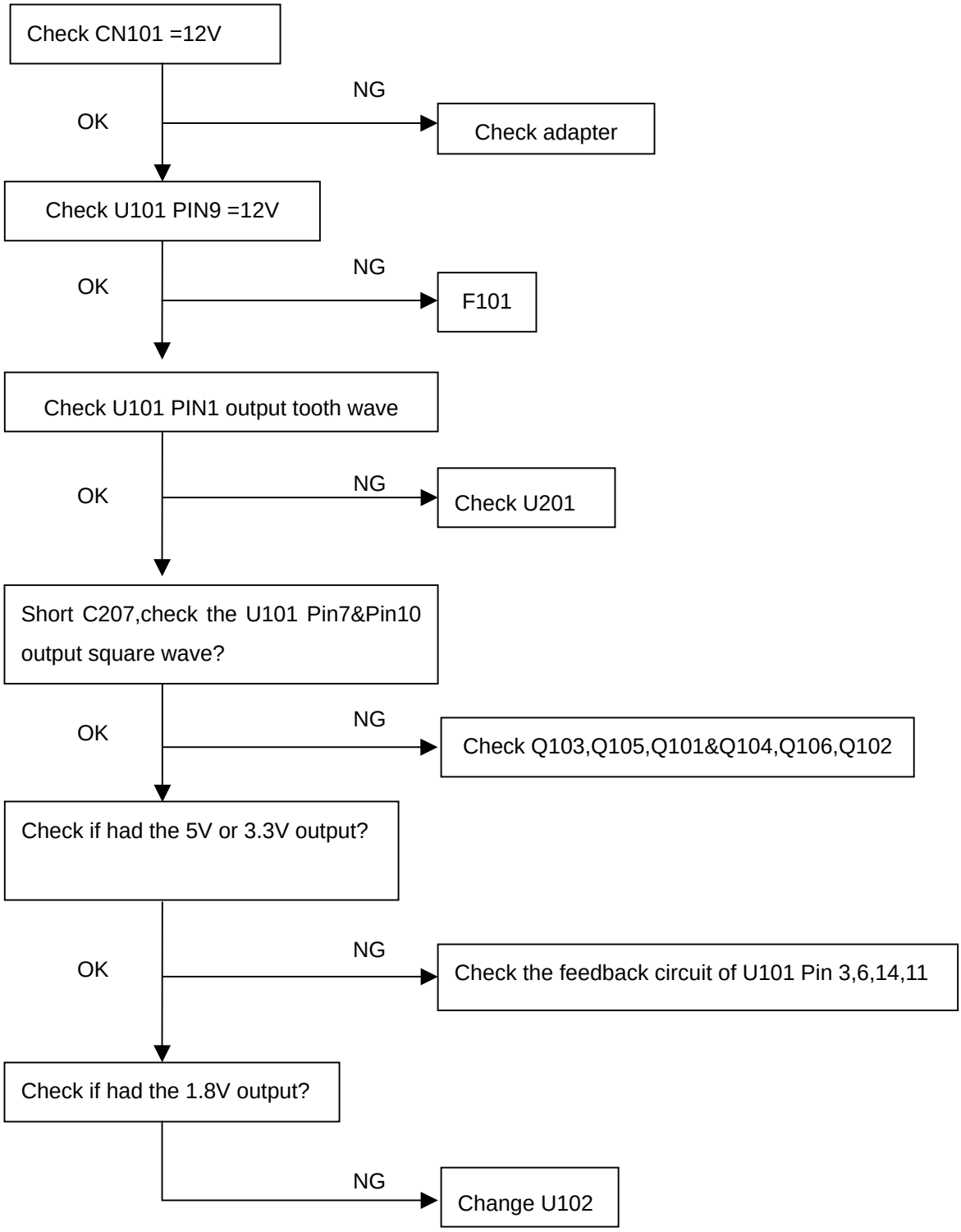

Check U402 Pin 2/4/->0V when power switch on
NG
Check the panel power relative circuit R401,C406,U7,Q401,R404,C404,FB402,in normal operation, when LED=Blue,R401 should=0.8v
OK
Measured the U402 Pin 5-8 =5V?
NG, No voltage
Replace U402
YES
OK
OK
OK
NG
Check U402 relative Circuit,C403,C406

9.2.2 Inverter Board

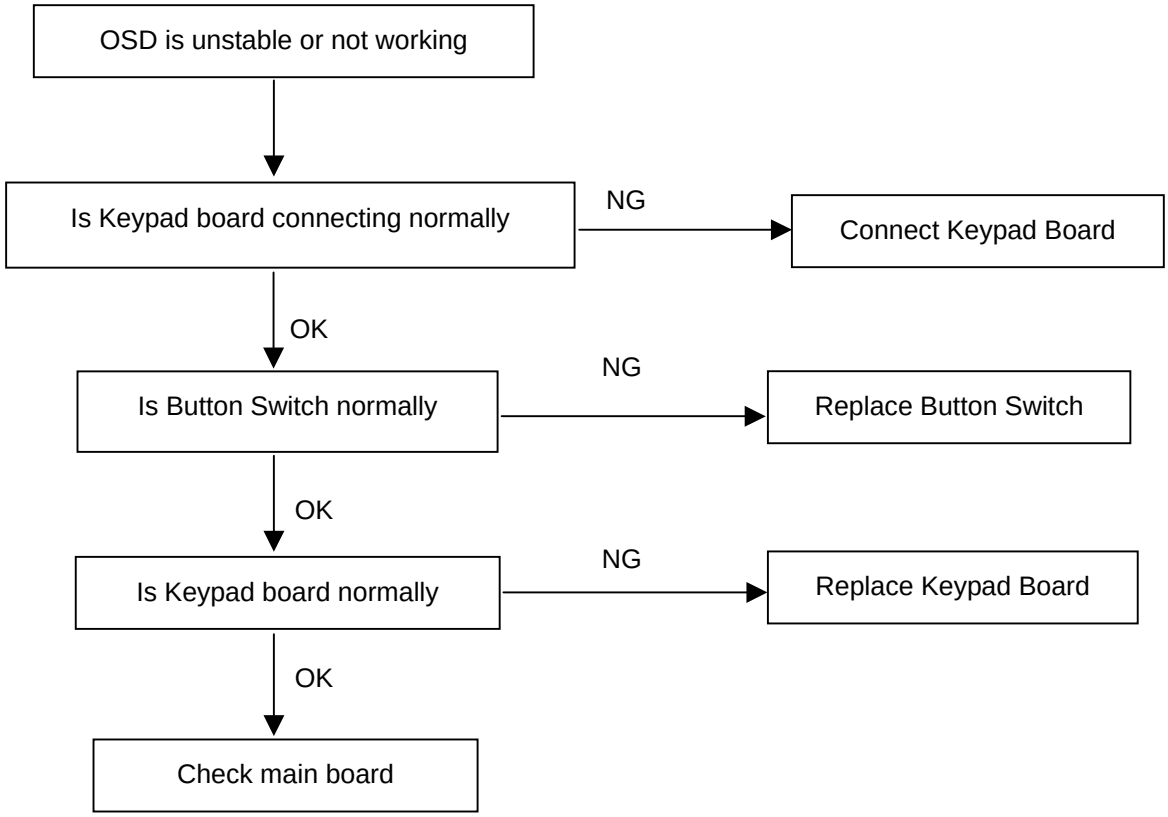
No Backlight



No 1.8V, 3.3V, 5V Output



9.2.3 Keypad Board



10. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding White-Balance adjustment.

1. How to do the Chroma-7120 MEM .Channel setting

   A. Reference to chroma 7120 user guide

   B. Use " **SC**" key and " **NEXT**" key to modify xyY value and use "**ID**" key to modify the TEXT description Following is the procedure to do white-balance adjust

2. Setting the color temp. You want

   A. 9300 color:

      9300 color temp. parameter is x = 283 ±20, y = 297 ±20, Y > 180 cd/m^2 ,

   B. sRGB color:

      sRGB color temp. parameter is x = 313±20, y = 329 ±20, Y>200 cd/m^2)

   C. 6500K color:

      sRGB color temp. parameter is x = 313±20, y = 329 ±20, Y>200 cd/m^2)

3. Into factory mode of HP F1703

   Turn off the power, Sync press the MENU key and AUTO key, Meanwhile turn on the Power, then press the MENU key, then OSD Screen will located at PANEL.

4. Bias adjustment:

   Set the **Contrast** to 80

   Adjust the **Brightness** to 90.

5. Gain adjustment :

   Move cursor to "-F-" and press MENU key

   A. Adjus 9300k color-temperature

      1. Switch the Chroma-7120 to **9300k channel.**
      2. The chroma 7120 will show x = 283±20, y = 297 ±20, Y>180 cd/m^2
      3. Switch the chroma-720 to **RGB MODE** (with press "MODE" button to change)
      4. Adjust the RED of color **9300K** on factory window until chroma 7120 indicator reached the value R=100
      5. Adjust the GREEN of color **9300K** on factory window until chroma 7120 indicator reached the value G=100
      6. Adjust the BLUE of color **9300K** on factory window until chroma 7120 indicator reached the value B=100
      7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

B. Adjust sRGB color-temperature

1. Switch the chroma-7120 to sRGB **channel.**
2. The chroma 7120 will show x = 313 ±20, y = 329 ±20, Y >200 cd/m^2
3. Switch the chroma 7120 l to **RGB MODE** (with press “MODE” button to change)
4. Adjust the RED of color sRGB on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color sRGB on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE of color sRGB on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

C. Adjust 6500k color-temperature

1. Switch the chroma-7120 to 6500k **channel.**
2. The chroma 7120 will show x = 313 ±20, y = 329 ±20, Y >200 cd/m^2
3. Switch the chroma 7120 l to **RGB MODE** (with press “MODE” button to change)
4. Adjust the RED of color sRGB on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color sRGB on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE of color sRGB on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

D. Press reset key and Turn the Power-button “off to on” to quit from factory mode.

11. EDID Content

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0 :	00	FF	FF	FF	FF	FF	FF	00	22	F0	94	25	5A	5A	5A	5A
16 :	30	0D	01	03	68	22	1B	78	EA	36	AD	A2	59	4C	97	24
32 :	17	50	56	A5	4F	00	81	80	01	01	01	01	01	01	01	01
48 :	01	01	01	01	01	01	30	2A	00	98	51	00	2A	40	30	70
64 :	13	00	52	0E	11	00	00	1E	00	00	00	FD	00	38	4C	1E
80 :	53	0E	00	0A	20	20	20	20	20	20	00	00	00	FC	00	68
96 :	70	20	66	31	37	30	33	0A	20	20	20	20	00	00	00	FF
112:	00	43	4E	43	33	34	38	5A	5A	5A	5A	0A	20	20	00	5A

13. BOM List

T783KSHHCZHAA

Location	Part No. for TPV	Description	Quantity	Unit
	ADPC12416BH	LCD ADAPTER ASS'Y	1	PCS
	CBPC783KSHHP	CONVERSION BOARD	1	PCS
	IDPC7425C1	INVERTER DC TO DC	1	PCS
	KEPC780KC2	KEY BOARD FOR T780K*HP	1	PCS
	KEPC780KS4	KEY BOARD	1	PCS
	12G 401 1 CM	WASHER	2	PCS
	15G5826501	MAIN FRAME	1	PCS
	15G5828 1	MOUNT BRACKET	1	PCS
	23L3178690 3A	LOGO	1	PCS
	34G1097 CM B	HINGE COVER	1	PCS
	40G 190690 1H	ID LABEL	1	PCS
	40G 457690 5A	CARTON/PALLET LABEL	1.1	PCS
	40G 58162435A	LABEL	1	PCS
	41G7800690 4B	SAFETY INFO GUIDE(5990-	1	PCS
	41G780069043A	OUICK SETUP GUIDE (5990	1	PCS
	41G780069044A	SCREEN PROTECTER(5990-6	1	PCS
	41G780069053A	WARRANTY BOOKLET	1	PCS
	44G3709 1	EPS (L)	1	PCS
	44G3709 2	EPS (R)	1	PCS
	44G3709 5	U TYPE SHEET	1	PCS
	44G3709690 3F	CARTON	1	PCS
	45G 76 28 H	PE BAG FOR MANUAL	1	PCS
	45G 88609 2	EPE COVER	1	PCS
	45G 88609 4	EPE COVER	1	PCS
	45G 88621 2	PE RING	1	PCS
	45G 88626 CP	PE BAG FOR MONITOR	1	PCS
	50G 600 2	HANDLE1	1	PCS
	50G 600 3	HANDLE2	1	PCS
	52G 1185	MIDDLE TAPE FOR CARTON	12	CM
	52G 1186	SMALL TAPE	8	CM
	52G 1207 A	ALUMINIUM TAPE	3	PCS
	52G 1210 A	ALUMINIUM TAPE	1	PCS
	52G 1211 A	ALUMINIUM TAPE	1	PCS
	52G6020 2HP3	PROTECT FILM	1	PCS
	52G6022 3	SMALL TAPE	15	CM
	70G1600690 1D	CD MANUAL	1	PCS
	85G 631 1	SHIELD	1	PCS

	89G 171 35	DC POWER CORD DUSK LAKE	1	PCS
	89G 173L15 28	SIGNAL CABLE	1	PCS
	89G415A18N IS	POWER CABLE	1	PCS
	95G8018 30538	WIRE HARNESS	1	PCS
	M1G 330 4128	SCREW M3X4	2	PCS
	M1G 330 6128	SCREW	2	PCS
	M1G1730 6128	SCREW M3x6	8	PCS
	M1G1730 7128	SCREW	4	PCS
	Q1G 330 8120	SCREW 3X8mm	14	PCS
	705L 78HPA	SPEAKER:FS-020044-7	1	PCS
	705L780KB34 36	BACK COVER ASS'Y	1	PCS
	AM1G1740 14128	SCREW	2	PCS
E750L	750LLS70 EU 5	SEC 17" PANEL EU-L11	1	PCS
ADPC12416BH				
	ADPC12400BSMT	LCD ADAPTER ASS'Y	1	PCS
	ADPC12416BH6	LCD ADAPTER A6 ASS'Y	1	PCS
	40G 581700 6A	LABEL	1.05	PCS
	52G 1213600	COPPER TAPE	1	PCS
	71G 55 2	FERRITE BEAD 6.5*5*1.7	1	PCS
	71G 55 30	FERRITE BEAD 4.0*2*3	1	PCS
	89G 171509	DC CABLE	1	PCS
	96G 29 8	TUBE	1	PCS
	705L 560 57 03	Q901 ASS'Y	1	PCS
	705L 560 61 03	R930 ASS'Y	1	PCS
	705L 560 61 04	NR901 ASS'Y	1	PCS
	705L 780 93 04	D911 ASS'Y FOR LCD	1	PCS
	715L 901 1 4	ADAPTOR	1	PCS
BD901	93G 50460502	KBP206G	1	PCS
C900	65G306M4722BP	4700PF +-20% 400VAC	1	PCS
C901	63G107K334 U	MPX 0.33/275VAC/+-10%	1	PCS
C902	65G305M1022EM	Y2 1000PF +-20% 250VAC	1	PCS
C903	65G305M1022EM	Y2 1000PF +-20% 250VAC	1	PCS
C904	67G305S10114K	E.C 105 CAP	1	PCS
C916	65G306M3322F2	3300PF +-20% 400VAC Y1	1	PCS
C921	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
C922	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
CN901	87G 501 10	AC SOCKET	1	PCS
D901	93G 6026T52T	RECTIFIER DIODE FR107	1	PCS
D902	93G 6038T52T	FR103	1	PCS
F901	84G 7H200 SL	250V/2A LIHEL FUSE	1	PCS

GND1	9G6002 1	PIN	1	PCS
IC903	56G 139 3A	PC123Y22FZOF	1	PCS
L901	73L 174 26T1G	LINE LILT 0.45MM	1	PCS
L902	73G 253 91 S	CHOKE COIL	1	PCS
LED1	81G 2 3 2P	LED	1	PCS
R911	705LAD17 61 02	R911 ASS'Y	1	PCS
T901	80L 600 3 TF	SRW28EC-T40HO17	1	PCS
	ADPC12400BAI	LCD ADAPTER ASS'Y FOR A	1	PCS
C909	65T0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C910	65T1206102 31	1000PF 50V NPO 120 +-5%	1	PCS
C911	65T0603152 32	CHIP 1500PF 50V X7R	1	PCS
C912	65T0805105 12	1UF +-10% 6V X7R	1	PCS
C913	65T0603331 31	CHIP 330PF 50V NPO	1	PCS
C914	65T0603102 32	CHIP 1000PF 50V X7R	1	PCS
C917	65T0805221 31	220PF 50V NPO	1	PCS
C924	65T0805104 27	CHIP CAP 1UF 25V Y5V	1	PCS
C926	65T0805474 27	CHIP 0.47UF 25V Y5V	1	PCS
C928	65T0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C929	65T0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C930	65T0805334 27	0.33UF 1/5V	1	PCS
D904	93T 6432S	IN4148W	1	PCS
D905	93T 6432S	IN4148W	1	PCS
D906	93T 6432S	IN4148W	1	PCS
IC901	56T 379 27	FA13843N	1	PCS
Q902	57T 417 6	PMBS3906/PHILIPS-SMT	1	PCS
Q903	57T 417 4	CHIP PMBS3904 BY PHILIP	1	PCS
R900	61V0805112	1.1K OHM 1/8W	1	PCS
R901	61V1206684	CHIP 680K OHM 1/8W	1	PCS
R902	61V1206684	CHIP 680K OHM 1/8W	1	PCS
R903	61V1206514	CHIP 510K OHM 1/8W	1	PCS
R904	61V1206514	CHIP 510K OHM 1/8W	1	PCS
R905	61V1206304	CHIP 300K OHM 1/4W	1	PCS
R906	61V1206304	CHIP 300K OHM 1/4W	1	PCS
R907	61V1206304	CHIP 300K OHM 1/4W	1	PCS
R908	61V1206304	CHIP 300K OHM 1/4W	1	PCS
R909	61V1206304	CHIP 300K OHM 1/4W	1	PCS
R910	61V1206304	CHIP 300K OHM 1/4W	1	PCS
R912	61V1206100	CHIP 10 OHM 1/8W	1	PCS
R913	61V0805104	CHIPR 100K OHM+-5% 1/8W	1	PCS
R914	61V0805204	200K OHM 1/8W	1	PCS

R915	61V0805101	CHIPR 100 OHM +-5% 1/8W	1	PCS
R917	61V0805473	CHIPR 47K OHM +-5% 1/8W	1	PCS
R918	61V0805133	CHIPR 13KOHM +-5% 1/8W	1	PCS
R919	61V0805203	CHIPR 20KOHM +-5% 1/8W	1	PCS
R920	61V0805473	CHIPR 47K OHM +-5% 1/8W	1	PCS
R921	61V0805303	CHIP 30K OHM 1/8W	1	PCS
R922	61V0805114	CHIP RES 110K 1/8W	1	PCS
R923	61V1206100	CHIP 10 OHM 1/8W	1	PCS
R924	61V0805472	CHIRP 4.7K OHM +-5% 1/8	1	PCS
R925	61V0805000	CHIP 0OHM 1/10W	1	PCS
R926	61V1206101	CHIP 100 OHM 5% 1/4W	1	PCS
R927	61V0805103	CHIP 10K OHM 1/10W	1	PCS
R928	61V0603102	CHIPR 1K OHM+-5% 1/10W	1	PCS
R929	61V0805821	820 1/8W	1	PCS
R931	61V1206100	CHIP 10 OHM 1/8W	1	PCS
R932	61V1206100	CHIP 10 OHM 1/8W	1	PCS
R933	61V1206472	CHIP 4.7KOHM 5% 1/4W	1	PCS
R934	61V1206471	CHIP 470OHM 1/8W	1	PCS
R935	61V0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R936	61V0603931 1F	CHIPR 9.31KOHM+-1% 1/10	1	PCS
R937	61V0603243 1F	CHIP 2.43K OHM 1/16W 1%	1	PCS
R938	65T0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
R939	61V0805104	CHIPR 100K OHM+-5% 1/8W	1	PCS
ZD901	93T 39S 15 T	RLZ15B	1	PCS
	715L 901 2 5	PCB BOARD	1	PCS
C905	65T 1K152 1T6052	1.5nF /1K Y5P+-10%	1	PCS
C908	67T 305100 7T	10UF	1	PCS
C915	67T 305220 7T	22uf 50v	1	PCS
C920	65V517K681 2T6213	680PF 500V +-10% 25P	1	PCS
FB901	71T 55 19 T	FERRITE BEAD D9X3. 5X0.	1	PCS
IC902	56T 158 4 T	H431BA	1	PCS
IC905	56T 158 4 T	H431BA	1	PCS
J907	61T 60220252T	CFR 2K C 5% 1/6W	1	PCS
L901	6T 31502	1.5MM RIVET	4	PCS
T901	6T 31502	1.5MM RIVET	4	PCS
	33G6007 1	LENS	1.01	PCS
	40G 154501 1	HI-POT GND LABEL FOR MO	1	PCS
	40G416B690 1D	ID LABEL	1.02	PCS
	45G 88525 E	PE BAG	1	PCS
	W33G4477 B T	TOP COVER	1.01	PCS

	W33G4478 B T	BOTTOM COVER	1.01	PCS
	90G 396502 Q	HEAT SINK	1	PCS
	M1V1730 7128	SCREW	1	PCS
Q901	57T 724 4	2SK2996	1	PCS
	96G 29 8	TUBE	20	MM
R930	61T 2J47859B	WIRE WOUN 0.47 OHM ZW	1	PCS
NR901	61T 58080 WT	8 OHM NCT	1	PCS
	90T 396503 D	HEAT SINK	1	PCS
	M1T1730 6128	SCREW M3X6	1	PCS
D911	93T 60226	STPS20H100CT	1	PCS
	96T 29 6	SHRINK TUBE UL/CSA	1	PCS
R911	61T152M10457F	MOFR 100K +-5% 2W	1	PCS
CBPC783KSHHP				
	AIC783KSHHP	MAIN BOARD	1	PCS
C406	67G309V479 3	4.7UF +-20% 16V	1	PCS
C502	67G309V100 3	10uf =_20% 16v	1	PCS
C504	67G309V100 3	10uf =_20% 16v	1	PCS
C601	67G305V331 3	330UF +-20% 16V	1	PCS
C604	67G305V331 3	330UF +-20% 16V	1	PCS
C606	67G305V331 3	330UF +-20% 16V	1	PCS
C609	67G305V331 3	330UF +-20% 16V	1	PCS
C610	67G305V331 3	330UF +-20% 16V	1	PCS
C614	67G305V331 3	330UF +-20% 16V	1	PCS
CN101	88G 35315F HA	D-SUB 15PIN	1	PCS
CN401	33G801724A H	PIN HEADER 24P 2.0mm	1	PCS
CN501	33G3802 9H	WAFER 9P RIGHT ANELE PI	1	PCS
CN601	33G8022 14 H	PIN EADER	1	PCS
X201	93G 22 64	27MHz/30PF/49US	1	PCS
Y501	93G 22 64	27MHz/30PF/49US	1	PCS
	40G 457624 1B	LABEL-CPU	1	PCS
	40G 45762412B	CBPC LABEL	1	PCS
	715L1006 1A 2L	MAIN BOARD	1	PCS
C10	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C101	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C102	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C103	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C104	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C105	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C106	65G0603470 31	CHIP 47PF 50V NPO	1	PCS
C107	65G0603470 31	CHIP 47PF 50V NPO	1	PCS

C115	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C116	65G0603270 32	27PF 0603	1	PCS
C117	65G0603270 32	27PF 0603	1	PCS
C118	65G0603120 31	CHIP 12pF 50V NPO	1	PCS
C119	65G0603120 31	CHIP 12pF 50V NPO	1	PCS
C120	65G0603120 31	CHIP 12pF 50V NPO	1	PCS
C121	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C122	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C123	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C202	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C203	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C204	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C205	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C206	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C207	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C209	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C210	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C211	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C212	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C213	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C214	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C216	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C217	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C218	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C219	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C220	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C221	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C224	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C225	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C226	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C227	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C228	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C229	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C234	65G0603100 31	CHIP 10PF+-0.5PF 50V NP	1	PCS
C235	65G0603150 31	CHIP 15PF 50V NPO	1	PCS
C236	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C237	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C238	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C239	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C240	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS

C241	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C242	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C243	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C244	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C245	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C246	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C247	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C248	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C249	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C250	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C251	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C252	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C253	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C254	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C257	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C260	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C262	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C263	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C401	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C404	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C405	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C408	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C410	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C412	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C413	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C415	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C417	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C5	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C501	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C503	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C506	65G0805225 27	2.2UF	1	PCS
C507	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C511	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C512	65G0603100 31	CHIP 10PF+-0.5PF 50V NP	1	PCS
C513	65G0603150 31	CHIP 15PF 50V NPO	1	PCS
C515	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C518	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C519	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C520	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C521	65G0603102 32	1000PF +-10% 50V X7R	1	PCS

C522	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C523	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C6	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C603	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C605	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C607	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C608	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C611	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C612	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C613	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C7	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C8	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C9	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
CP501	65L600M102 8T	1000PF+-20% 50V 8P X7R	1	PCS
D101	93G 60505	DIO SIG SM BAT54C(PHSE)	1	PCS
D102	93G 6433P	BAV99 SOT-23	1	PCS
D103	93G 6433P	BAV99 SOT-23	1	PCS
D104	93G 6433P	BAV99 SOT-23	1	PCS
D105	93G 60505	DIO SIG SM BAT54C(PHSE)	1	PCS
D502	93G 6432V	LL4148-GS08	1	PCS
D503	93G 60505	DIO SIG SM BAT54C(PHSE)	1	PCS
FB101	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB102	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB103	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB201	71G 56K121 M	CHIP BEAD	1	PCS
FB202	71G 56K121 M	CHIP BEAD	1	PCS
FB203	71G 56K121 M	CHIP BEAD	1	PCS
FB204	71G 56K121 M	CHIP BEAD	1	PCS
FB402	71G 56K121 M	CHIP BEAD	1	PCS
FB404	71G 56K121 M	CHIP BEAD	1	PCS
FB405	71G 56K121 M	CHIP BEAD	1	PCS
FB406	71G 56K121 M	CHIP BEAD	1	PCS
FB407	71G 56K121 M	CHIP BEAD	1	PCS
FB408	71G 56K121 M	CHIP BEAD	1	PCS
FB501	71G 56K121 M	CHIP BEAD	1	PCS
FB602	71G 56K121 M	CHIP BEAD	1	PCS
FB603	71G 56K121 M	CHIP BEAD	1	PCS
Q401	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q501	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q502	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS

Q503	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q504	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q505	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q601	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
R104	61L0603121	CHIPR 120 OHM 1/10W	1	PCS
R105	61L0603203	CHIPR 20K OHM+-5% 1/10W	1	PCS
R106	61L0603203	CHIPR 20K OHM+-5% 1/10W	1	PCS
R107	61L0603121	CHIPR 120 OHM 1/10W	1	PCS
R108	61L0603470	RST SM 0603 RC0603 47R	1	PCS
R109	61L0603121	CHIPR 120 OHM 1/10W	1	PCS
R110	61L0603470	RST SM 0603 RC0603 47R	1	PCS
R111	61L0603150 0F	CHIPR150OHM 1/10W 1%	1	PCS
R112	61L0603150 0F	CHIPR150OHM 1/10W 1%	1	PCS
R113	61L0603150 0F	CHIPR150OHM 1/10W 1%	1	PCS
R114	61L0603470	RST SM 0603 RC0603 47R	1	PCS
R115	61L0603470	RST SM 0603 RC0603 47R	1	PCS
R116	61L0603470	RST SM 0603 RC0603 47R	1	PCS
R117	61L0603470	RST SM 0603 RC0603 47R	1	PCS
R120	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R121	61L0603470	RST SM 0603 RC0603 47R	1	PCS
R122	61L0603470	RST SM 0603 RC0603 47R	1	PCS
R123	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R127	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R128	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R129	61L0603150 0F	CHIPR150OHM 1/10W 1%	1	PCS
R130	61L0603150 0F	CHIPR150OHM 1/10W 1%	1	PCS
R131	61L0603150 0F	CHIPR150OHM 1/10W 1%	1	PCS
R137	61L0603681	CHIP 680 OHM 1/10W	1	PCS
R201	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R202	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R203	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R204	61L0603105	RST SM 0603 RC0603 1M P	1	PCS
R205	61L0603150 2F	CHIPR 15KOHM +-1% 1/10W	1	PCS
R206	61L0603150 2F	CHIPR 15KOHM +-1% 1/10W	1	PCS
R207	61L0603150 2F	CHIPR 15KOHM +-1% 1/10W	1	PCS
R301	71G 59B121	TB160808B	1	PCS
R302	71G 59B121	TB160808B	1	PCS
R306	71G 59B121	TB160808B	1	PCS
R307	71G 59B121	TB160808B	1	PCS
R401	61L0603103	RST SM 0603 RC0603 10K	1	PCS

R404	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R405	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R406	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R408	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R503	61L0603332	CHIP 3.3K OHM 1/10W	1	PCS
R505	61L0603332	CHIP 3.3K OHM 1/10W	1	PCS
R506	61L0603332	CHIP 3.3K OHM 1/10W	1	PCS
R507	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R510	61L0603105	RST SM 0603 RC0603 1M P	1	PCS
R511	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R513	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R515	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R516	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R517	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R518	61L0603332	CHIP 3.3K OHM 1/10W	1	PCS
R519	61L0603332	CHIP 3.3K OHM 1/10W	1	PCS
R520	61L0603682	CHIP 6.8K OHM 1/10W	1	PCS
R521	61L0603682	CHIP 6.8K OHM 1/10W	1	PCS
R522	61L0603332	CHIP 3.3K OHM 1/10W	1	PCS
R524	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R525	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R526	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R527	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R528	61L0603512	CHIP 5.1K OHM 1/10W	1	PCS
R529	61L0603512	CHIP 5.1K OHM 1/10W	1	PCS
R530	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R531	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R532	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R533	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R534	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R535	61L0603302	CHIPR 3K OHM +-5% 1/10W	1	PCS
R536	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R537	61L0603302	CHIPR 3K OHM +-5% 1/10W	1	PCS
R538	61L0805221	CHIPR 220 OHM +-5% 1/8W	1	PCS
R539	61L0805511	CHIPR 510 OHM 1/8W	1	PCS
R540	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R541	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R542	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R543	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R545	61L0603201	CHIP 200 OHM 1/10W	1	PCS

R546	61L0603201	CHIP 200 OHM 1/10W	1	PCS
R547	61L0603470	RST SM 0603 RC0603 47R	1	PCS
R601	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R602	61L0603511	CHIPR 510 OHM+-5% 1/10W	1	PCS
R603	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R604	61L0603272	RST SM 0603 RC22H 2K7 P	1	PCS
R605	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R606	61L0603272	RST SM 0603 RC22H 2K7 P	1	PCS
R607	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R608	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R611	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R612	61L0603103	RST SM 0603 RC0603 10K	1	PCS
RP201	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP202	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP203	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP204	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP205	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP206	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP207	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP208	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP209	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP210	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP211	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP212	71G 56A121 8T	CHIP BEAD ARRAY 120 OHM	1	PCS
RP501	61L 125470 8	CHIP ARRAY 47 OHM 1/16W	1	PCS
U101	56G1133 34	M24C02-WMN6TP	1	PCS
U102	56G4LVC 14 P	74LVC14ADT	1	PCS
U201	56G 562 43	ADE3700SX	1	PCS
U401	56G 561 8	THC63LVDM83R	1	PCS
U402	56G 566 12	AO 4801L	1	PCS
U403	56G 561 8	THC63LVDM83R	1	PCS
U501	56L1125165 S4	ST7FLCD1	1	PCS
U502	56G1133 56	M24C16-WMN6TP	1	PCS
ZD101	93G 39147	TZMC5V6	1	PCS
ZD102	93G 39147	TZMC5V6	1	PCS
ZD103	93G 39147	TZMC5V6	1	PCS
ZD104	93G 39147	TZMC5V6	1	PCS
ZD105	93G 39147	TZMC5V6	1	PCS
ZD106	93G 39147	TZMC5V6	1	PCS
ZD107	93G 39147	TZMC5V6	1	PCS

ZD108	93G 39147	TZMC5V6	1	PCS
ZD501	93G 39147	TZMC5V6	1	PCS
ZD502	93G 39147	TZMC5V6	1	PCS
IDPC7425C1				
	IDPC7425C1SMT	INVERTER DC TO DC FOR S	1	PCS
	13G 13 3	CANOE CLIP	2	PCS
	40G 45762412B	CBPC LABEL	1.03	PCS
	90G 414 1	HEAT SINK	1	PCS
C102	67G215B2214HT	LOW ESR 220UF 25V 8*11	1	PCS
C113	67G215B4713HT	470UF 16V LTR471M1CF11V	1	PCS
C117	67G215B4713HT	470UF 16V LTR471M1CF11V	1	PCS
C201	67G215C151 4H	LOW ESR 150UF 25V 8*7MM	1	PCS
C213	63G214J2242AM	0.22UF,250V +-5%	1	PCS
C214	63G214J2242AM	0.22UF,250V +-5%	1	PCS
C215	65G 3J1806ET	18PF 5% SL3KV TDK	1	PCS
C216	65G 3J1806ET	18PF 5% SL3KV TDK	1	PCS
C217	65G 3J1806ET	18PF 5% SL3KV TDK	1	PCS
C218	65G 3J1806ET	18PF 5% SL3KV TDK	1	PCS
C223	67G215C151 4H	LOW ESR 150UF 25V 8*7MM	1	PCS
CON101	88G 304 8K C	DC JACK	1	PCS
CON102	33G800914K H	2*7PIN JUAL ROW RIGHT A	1	PCS
CON103	88G 304 7K	DC JACK	1	PCS
CON201	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CON202	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CON203	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CON204	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
J030	71G 55 7 T	FERRITE BEAD	1	PCS
J036	71G 55 7 T	FERRITE BEAD	1	PCS
L101	71G 55 24	FERRITE BEAD	1	PCS
L102	73G 253138 Y	CHOKE BY	1	PCS
L103	73G 253138 Y	CHOKE BY	1	PCS
L201	73G 253138 Y	CHOKE BY	1	PCS
L202	73G 253138 Y	CHOKE BY	1	PCS
L203	73G 174 35 LS	FILTER	1	PCS
L204	73G 174 35 LS	FILTER	1	PCS
PT201	80LL15T 6DNG	TRANSFORMER	1	PCS
PT202	80LL15T 6DNG	TRANSFORMER	1	PCS
Q209	57G 761 6	2SC5706-P-E	1	PCS
Q210	57G 761 6	2SC5706-P-E	1	PCS
Q211	57G 761 6	2SC5706-P-E	1	PCS

Q212	57G 761 6	2SC5706-P-E	1	PCS
R128	61G152M339 64	CHIPR 3.3 OHM +-5% 2W	1	PCS
	IDPC7425C1AI	INVERTER DC TO DC FOR A	1	PCS
C103	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C105	65G0805331 31	CHIP 330pF 50V NPO	1	PCS
C106	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C107	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C108	65G0805474 27	CHIP 0.47UF 25V Y5V	1	PCS
C109	65G0805474 27	CHIP 0.47UF 25V Y5V	1	PCS
C110	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C111	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C114	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C115	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C118	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C119	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C120	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C121	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C122	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C123	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C124	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C125	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C126	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C128	65G0603105 17	1UF 16V Y5V	1	PCS
C202	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C203	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C204	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C205	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C206	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C208	65G0805331 31	CHIP 330pF 50V NPO	1	PCS
C209	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C210	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C211	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C212	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C219	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C220	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C221	65G0805474 27	CHIP 0.47UF 25V Y5V	1	PCS
C222	65G0805474 27	CHIP 0.47UF 25V Y5V	1	PCS
C226	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C227	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS
C228	65G0805102 32	CHIP 1000P 50VX7R 0805	1	PCS

D101	93G3004 2	SR34 PAN JIT	1	PCS
D102	93G3004 2	SR34 PAN JIT	1	PCS
D103	93G 39147	TZMC5V6	1	PCS
D104	93G 39S 4 T	BZT52-C3	1	PCS
D201	93G2004 2A	SM240A DO-214AC	1	PCS
D202	93G2004 2A	SM240A DO-214AC	1	PCS
D203	93G 39S 3 T	BZT52-C11	1	PCS
D204	93G 39S 3 T	BZT52-C11	1	PCS
F102	61L1206000	RST SM 1206 JUMP MAX 0R	1	PCS
F103	61L1206000 4	0 OHM 4A 1/4W	1	PCS
L104	71G 57G601	TI3216JIG	1	PCS
L105	71G 57G601	TI3216JIG	1	PCS
L107	71G 57G601	TI3216JIG	1	PCS
L108	71G 57G601	TI3216JIG	1	PCS
L215	71G 70A300 T	HIGH CURRENT FERRITE 30	1	PCS
L216	71G 70A300 T	HIGH CURRENT FERRITE 30	1	PCS
Q101	57G 763 3	AO4411 SO-8	1	PCS
Q102	57G 763 3	AO4411 SO-8	1	PCS
Q103	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q104	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q105	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q106	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q201	57G 760 5B	PDTC144WK SOT346	1	PCS
Q202	57G 760 4B	PDTA144WK SOT346	1	PCS
Q203	57G 763 3	AO4411 SO-8	1	PCS
Q204	57G 763 3	AO4411 SO-8	1	PCS
Q205	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q206	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q207	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q208	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
R101	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R103	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R104	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R105	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R106	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R107	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R108	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R110	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R111	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R112	61L0603221	RST SM 0603 RC0603 220R	1	PCS

R113	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R114	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R115	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R116	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R117	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R118	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R119	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R120	61L0603243	CHIP 24K OHM 1/10W	1	PCS
R121	61L0603243	CHIP 24K OHM 1/10W	1	PCS
R122	61L0603316 2F	CHIP 31.6K OHM 1/10W 1%	1	PCS
R123	61L0603203	CHIPR 20K OHM+-5% 1/10W	1	PCS
R124	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R125	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R126	61L0603120 0F	CHIPR 120OHM +-1% 1/10W	1	PCS
R127	61L0603604 9F	CHIPR 60.4OHM +-1% 1/10	1	PCS
R202	61L0603512	CHIP 5.1K OHM 1/10W	1	PCS
R203	61L0603512	CHIP 5.1K OHM 1/10W	1	PCS
R204	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R205	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R206	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R208	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R209	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R210	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R211	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R212	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R213	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R214	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R215	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R216	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R217	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R218	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R219	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R220	61L0603153	CHIPR 15KOHM+-5% 1/10W	1	PCS
R221	61L0603153	CHIPR 15KOHM+-5% 1/10W	1	PCS
R222	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R223	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R234	61L0603751	CHIP 750 OHM 1/10W	1	PCS
R235	61L0603751	CHIP 750 OHM 1/10W	1	PCS
R236	61L0603561	CHIP 560 OHM 1/10W	1	PCS
R237	61L0603561	CHIP 560 OHM 1/10W	1	PCS

R238	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R239	61L0603123	CHIP 12K OHM 1/10W	1	PCS
U101	56G 622 2	BA9741F-SMT	1	PCS
U102	56G 563 9	AIC1084PM	1	PCS
U201	56G 379 35	FP5451DR	1	PCS
	715L1091 2 3	PCB	1	PCS
C101	67G215B2214HT	LOW ESR 220UF 25V 8*11	1	PCS
C104	67G309M479 7T	EC 4.7UF+-20% 50V	1	PCS
C112	67G215B4713HT	470UF 16V LTR471M1CF11V	1	PCS
C116	67G215B4713HT	470UF 16V LTR471M1CF11V	1	PCS
C207	67G309M479 7T	EC 4.7UF+-20% 50V	1	PCS
D205	93G 64 1152T	1N4148	1	PCS
D206	93G 64 1152T	1N4148	1	PCS
D207	93G 64 1152T	1N4148	1	PCS
D208	93G 64 1152T	1N4148	1	PCS
D209	93G 64 1152T	1N4148	1	PCS
D210	93G 64 1152T	1N4148	1	PCS
FB101	71G 55 7 T	FERRITE BEAD	1	PCS
FB102	71G 55 7 T	FERRITE BEAD	1	PCS
L106	71G 55 19 T	FERRITE BEAD D9X3. 5X0.	1	PCS
L201	6G 31502	1.5MM RIVET	1	PCS
L202	6G 31502	1.5MM RIVET	1	PCS
R109	61G 60210052T	10 OHM 5% 1/6W	1	PCS
R201	61G 60220352T	CFR 20K OHM+-5% 1/6W	1	PCS
R224	61G 17220252T	2K OHM 5% 1/4W	1	PCS
R225	61G 17220252T	2K OHM 5% 1/4W	1	PCS
R226	61G 17220252T	2K OHM 5% 1/4W	1	PCS
R227	61G 17220252T	2K OHM 5% 1/4W	1	PCS
R228	61G 17220252T	2K OHM 5% 1/4W	1	PCS
R229	61G 17220252T	2K OHM 5% 1/4W	1	PCS
R230	61G 17220252T	2K OHM 5% 1/4W	1	PCS
R231	61G 17220252T	2K OHM 5% 1/4W	1	PCS
R232	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R233	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R240	61G 60251352T	51KOHM +-5% 1/6W	1	PCS
R241	61G 60251352T	51KOHM +-5% 1/6W	1	PCS
KEPC780KC2				
	715L1009 1 B	HP KEY BOARD PCB	1	PCS
CN101	95G8014 5503	HARNESS	1	PCS
SW101	77L 600 1GHJ	KEY SWITCH	1	PCS

SW102	77L 600 1GHJ	KEY SWITCH	1	PCS
SW103	77L 600 1GHJ	KEY SWITCH	1	PCS
SW104	77L 600 1GHJ	KEY SWITCH	1	PCS
	KEPC560KC4SMT	KEY BOARD FOR T560/780K	1	PCS
CN102	33G3802 5H	WAFER 5P RIGHT ANELE PI	1	PCS
CN103	95G8014 9525	HARNESS	1	PCS
SW105	77L 600 1GHJ	KEY SWITCH	1	PCS
	715L1009 2 A	POWER KEY PCB FOR HP	1	PCS
LED1	81G 14 3 HL	KH03-1411QBQYC-05-AOC	1	PCS
ZD101	93G 39S155	BZT52-C5V6	1	PCS
ZD102	93G 39S155	BZT52-C5V6	1	PCS
	12G 402 1	RUBBER FOOT	4	PCS
	12G 403 1 CM	WASHER	1.1	PCS
	15G5829500	BESE-BRACKET	1	PCS
	15G5830500	BESE-BRACKET	1	PCS
	33G4567 CN L	KEY PAD	1	PCS
	33G4568 1 L	POWER BUTTON	1	PCS
	33G4569ACN C	POWER LPIPE	1	PCS
	33G4570 CN L	BASE CAP	1	PCS
	33G4571 CM L	LOGO COVER	1	PCS
	34G1094 CN B	ARM COVER(TOP)	1	PCS
	34G1095 CN B	ARM COVER(BOTTOM)	1	PCS
	34G1096 CN B	BASE	1	PCS
	34G1098BCN B	FRONT PANEL	1	PCS
	34G1099ACM B	REAR COVER	1	PCS
	37G 467 1	HINGE ASS'Y	1	PCS
	M1G 140 16120	SCREW M4X16	4	PCS
	M1G 330 6128	SCREW	2	PCS
	Q1G 130 8120	SCREW	7	PCS