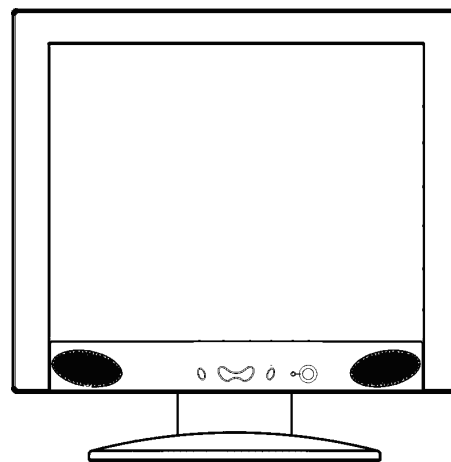


Service
Service
Service



Service Manual

Horizontal Frequency
30-80 KHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

Revision List

[illegible]

1. Monitor Specifications

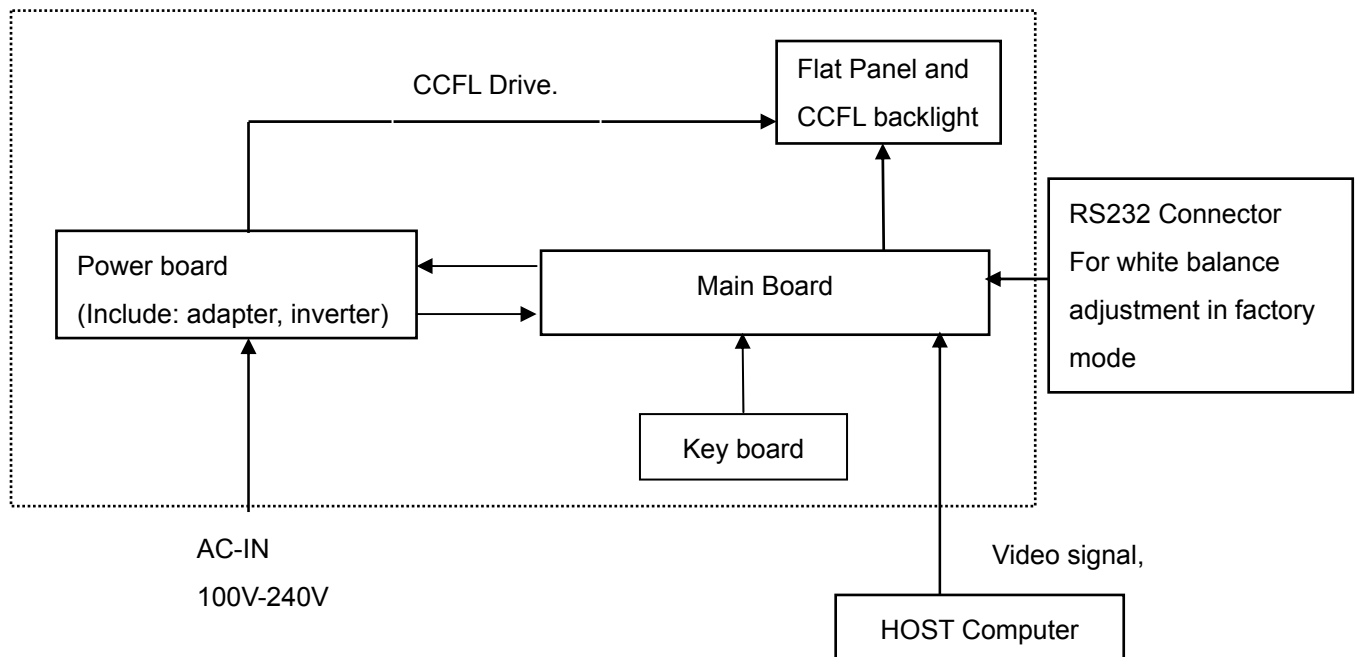
LCD Panel	Driving system	TFT Color LCD
	Size	43.2cm(17.0")
	Pixel pitch	0.264mm(H) × 0.264mm(V)
	Viewable angle	140° (H) 140° (V)
Input	Video	R,G,B Analog Interface
	Separate Sync.	H/V TTL
	H-Frequency	30kHz – 80kHz
	V-Frequency	55-75Hz
Display Colors		16.2M Colors
Dot Clock		135MHz
Max. Resolution		1280 × 1024 @75Hz
Plug & Play		VESA DDC1/2BTM
EPA ENERGY STAR®	ON Mode	<45W
	OFF Mode	≤3W
Input Connector		15-pin D-Sub
Input Video Signal		Analog:0.7Vp-p(standard), 75 OHM, Positive
Maximum Screen Size		Horizontal : 338mm Vertical : 270mm
Power Source		100~240VAC,47~63Hz
Environmental Considerations		Operating Temp: 5° to 35°C Storage Temp.: -20° to 60°C Operating Humidity: 10% to 85%
Dimension		407×434×173(W×H×D)mm
Weight (N. W.)		5.2kg Unit (net)
Power Consumption (Maximum)		45 Watts
Audio Output		Rated Power 2W rms (Per channel)
Regulatory Compliance		UL, CE, TCO'99

2. LCD Monitor Description

The LCD MONITOR will contain a main board, a power board and one 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.

Monitor Block Diagram



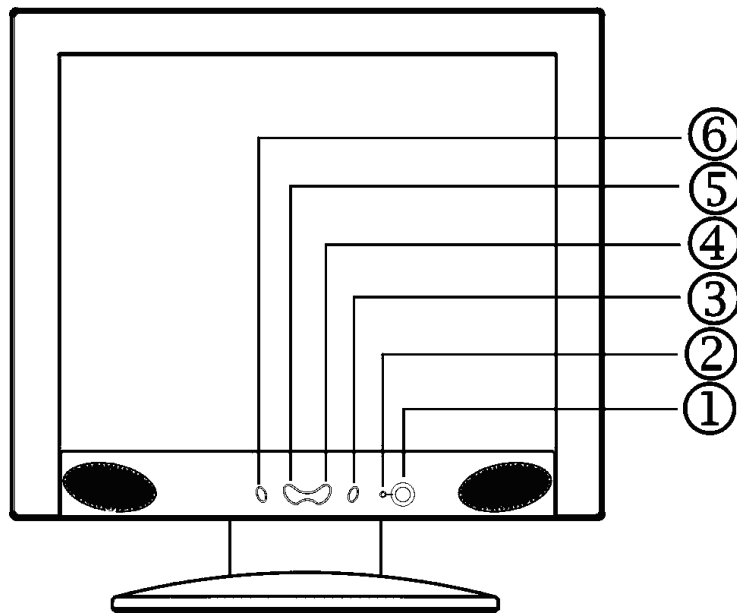
3. Operating Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The other control buttons are located on the front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor position. The power indicator will light up.

3.2 Control Button



EXTERNAL CONTROLS

1.	Power Key	4.	> / Volume
2.	LED	5.	< / Volume
3.	MENU/ENTER	6.	Auto Adjust Key/Exit

FRONT PANEL CONTROL

- **Power Button:**

Press this button to turn the monitor ON or OFF.

- **MENU / ENTER:**

Activate OSD menu when OSD is OFF or activate/de-activate adjustment function when OSD is ON or Exit OSD menu when in Volume Adjust OSD status.

- **> /Volume:**

Activates the volume control when the OSD is OFF or navigate through adjustment icons when OSD is ON or adjust a function when function is activated.

- **< /Volume:**

Activates the volume control when the OSD is OFF or navigate through adjustment icons when OSD is ON or adjust a function when function is activated.

- **Auto Adjust button / Exit:**

1. When OSD menu is in active status, this button will act as EXIT-KEY (EXIT OSD menu).
2. When OSD menu is in off status, press this button for 2 seconds to activate the Auto Adjustment function.

The Auto Adjustment function is used to set the HPos, VPos, Clock and Focus.

- **Power Indicator:**

Green — Power On mode.

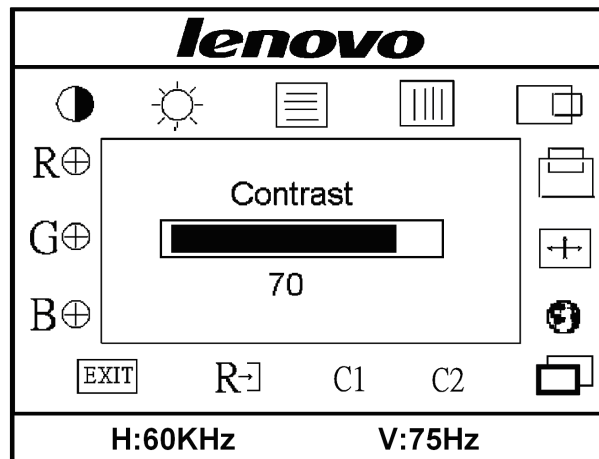
Orange — Off mode.

NOTES

- Do not install the monitor in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, or excessive dust or mechanical vibration or shock.
- Save the original shipping carton and packing materials, as they will come in handy if you ever have to ship your monitor.
- For maximum protection, repackage your monitor as it was originally packed at the factory.
- To maintain the cleanness of your LCD display, wipe it periodically with clean and soft cloth. The screen may be damaged by any liquid splash.
- To keep the monitor looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner, benzene, or abrasive cleaners, since these will damage the cabinet. As a safety precaution, always unplug the monitor before cleaning it.


3.3 Adjusting the Picture


1. Press the MENU-button to activate the OSD window. See figure 5.
2. Press < or > to select the desired function. See figure 5.
3. Press the MENU-button again to activate the highlighted function.
4. Press < or > to change the settings of the current function.
5. When the OSD window is active, it shows the input signal timing. The "H" stands for the horizontal frequency and "V" for the vertical frequency.
6. To exit and save, select the exit function, or leave the monitor alone for 10 seconds. If you want to adjust another function press MENU again and repeat steps 2-4.



The OSD Message

The descriptions for function control LEDS

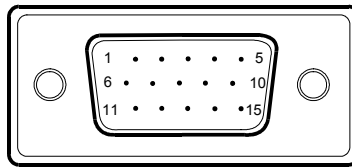
1.		Contrast	Adjust the picture contrast.
2.		Brightness	Adjust the picture brightness.
3.		Focus	Adjust picture Focus.
4.		Clock	Adjust picture Clock.
5.		H. Position	Adjust the horizontal position of the picture.
6.		V. Position	Adjust the vertical position of the picture.
7.		Auto Center	Used to center the picture automatically.
8.		Language	Multi-Language selection.
9.		Dos-mode selected	Dos-mode resolution selection for 720x400 @70Hz and 640x400 @70Hz
10.		Red	Adjusts Red intensity.
11.		Green	Adjusts Green intensity.
12.		Blue	Adjusts Blue intensity.
13.	C1	(Warm) Color	Set the color temperature to warm white.
14.	C2	(Cool) Color	Set the color temperature to cool white.
15.		Reset	Clear each old status of Auto-configuration and re-do auto-configuration.
16.		Exit	Save user adjustment and OSD disappear.

Notice: Generally, DOS mode is set to 720x400@70Hz. Your monitor is optimized for this resolution. If you system is using another resolution such as 640x400@70Hz, select the DOS mode icon , then press < or > to select 640x400@70Hz. Then press the MENU button to confirm the selection. Turn the monitor OFF then back ON by pressing the Power Button to activate the setup.

4. Input/Output Specification

4.1 Input Signal Connector

D-SUB connector



15 - Pin Color Display Signal Cable

Pin No.	Description	Pin No.	Description
1.	Red	9.	+5V
2.	Green	10.	Detect Cable
3.	Blue	11.	Ground
4.	Ground	12.	DDC-Serial Data
5.	DDC-Return	13.	H-Sync
6.	R-Ground	14.	V-Sync
7.	G-Ground	15.	DDC-Serial Clock
8.	B-Ground		

4.2 Factory Preset Display Modes

Standard	Resolution	Horizontal Frequency	Vertical Frequency
Dos-mode	720 × 400	31.47kHz	70Hz
VGA	640 × 480	31.47kHz	60Hz
	640 × 480	35.00kHz	66.6Hz
	640 × 480	37.50kHz	75Hz
	640 × 480	37.86kHz	72Hz
SVGA	800 × 600	37.879kHz	60Hz
	800 × 600	46.875kHz	75Hz
	800 × 600	35.16kHz	56Hz
	800 × 600	48.01kHz	72Hz
	832 × 624	49.725kHz	75Hz
XGA	1024 × 768	48.363kHz	60Hz
	1024 × 768	56.476kHz	70Hz
	1024 × 768	60.02kHz	75Hz
SXGA	1280 × 1024	64.00kHz	60Hz
	1280 × 1024	80.00kHz	75Hz

Note: The factory preset mode for DOS is 720x400 @70Hz, user can optimize to DOS 640x400 @70Hz by running the "How To Optimize The DOS Mode" on the previous pages.

4.3 Panel Specification

4.3.1 Features

This specification applies to the 17.0 inch Color TFT-LCD Module M170EN05.

The display supports the SXGA (1280(H) x 1024(V)) screen format and 262k colors (RGB 6-bits data).

All input signals are 2 Channel LVDS interface compatible.

This module does not contain an inverter card for backlight.

4.3.2 Display Characteristics

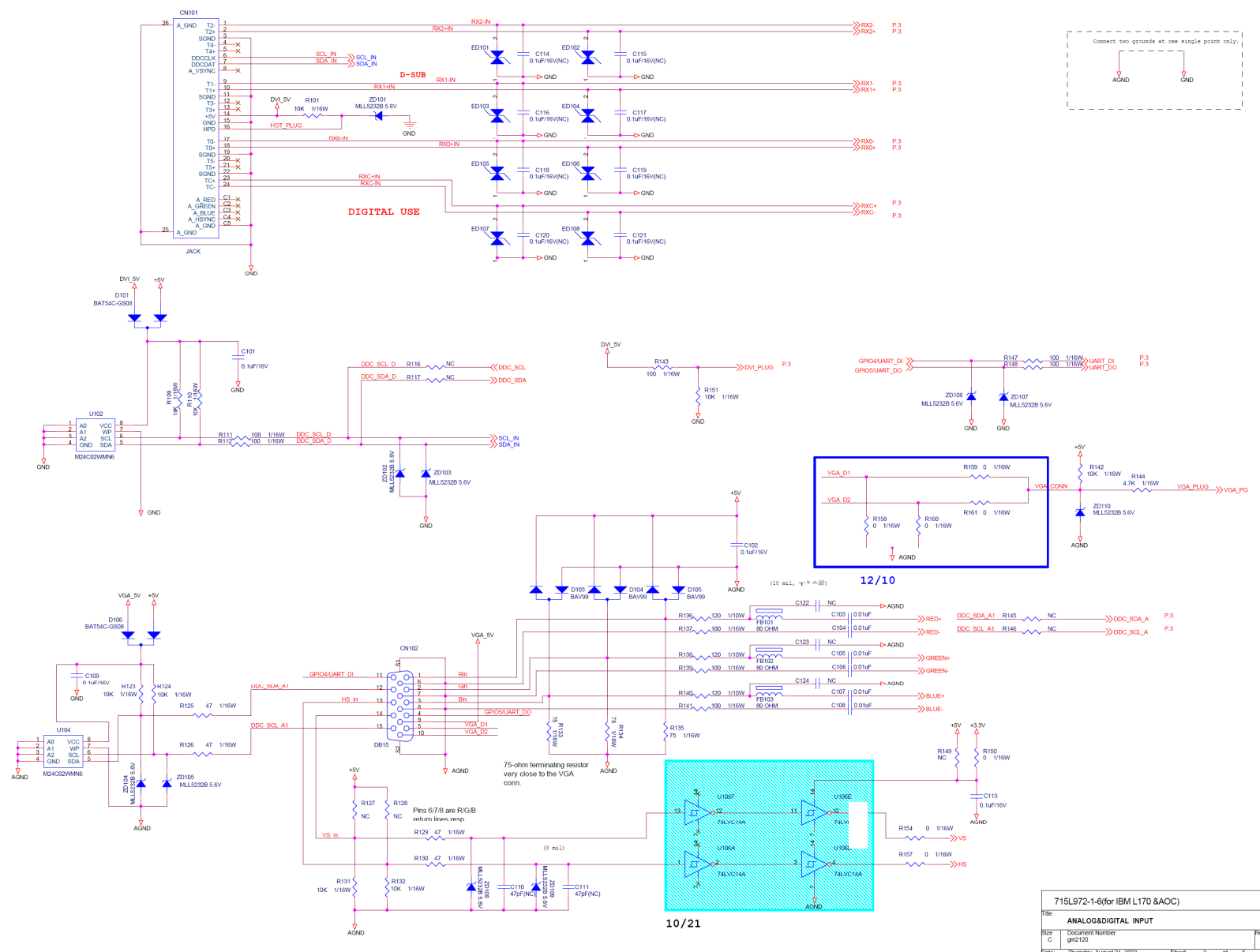
The following items are characteristics summary on the table under 25 °C condition:

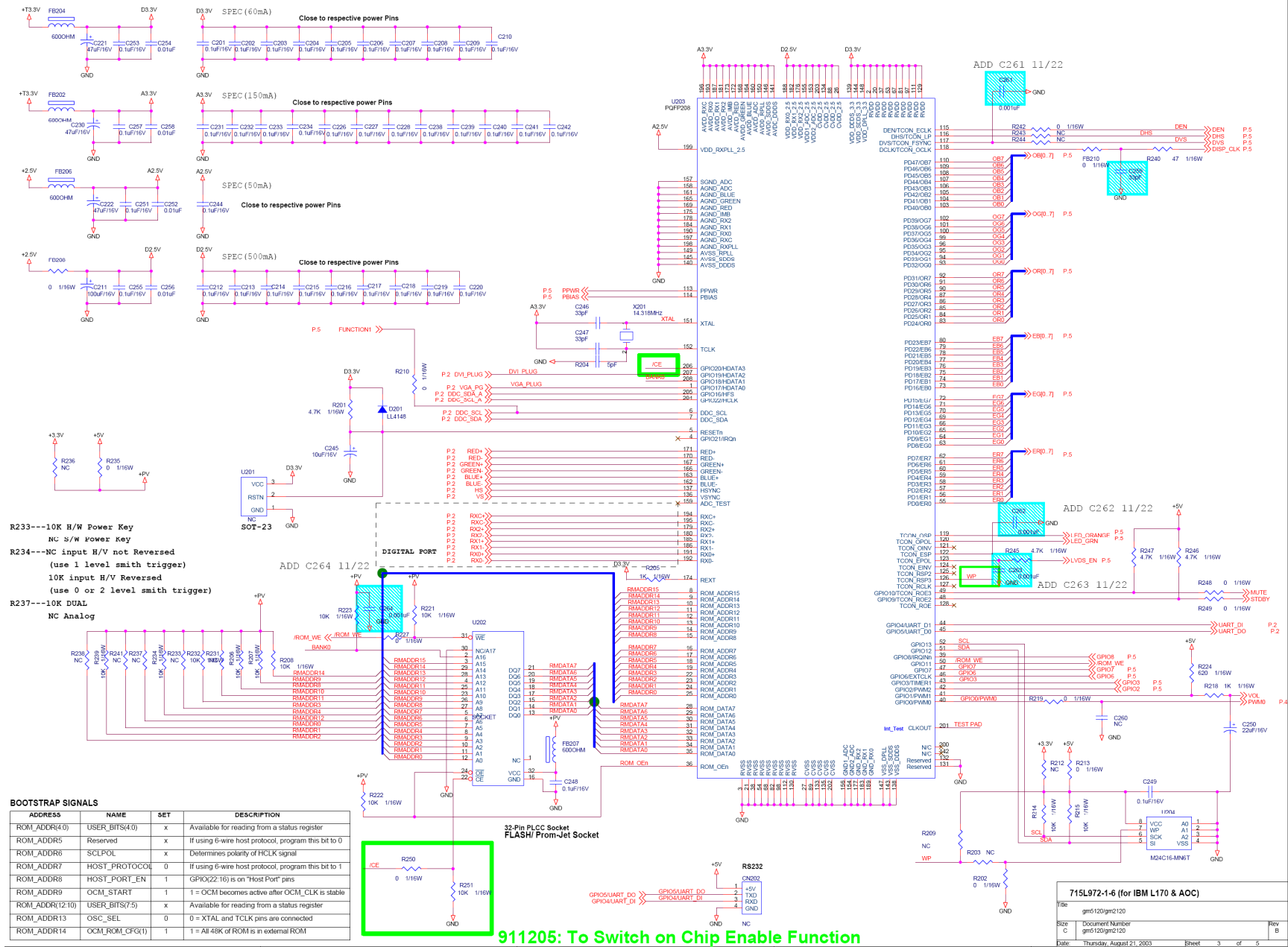
ITEMS	Unit	SPECIFICATIONS
Screen Diagonal	[mm]	432(17.0")
Active Area	[mm]	337.920 (H) x 270.336(V)
Pixels H x V		1280(x3) x 1024
Pixel Pitch	[mm]	0.264 (per one triad) x 0.264
Pixel Arrangement		R.G.B. Vertical Stripe
Display Mode		Normally White
White Luminance	[cd/m ²]	260 (center) @ 7mA
Contrast Ratio		450 : 1 (Typ)
Optical Response Time	[msec]	16 (Typ)
Color Saturation		72% NTSC
Nominal Input Voltage VDD	[Volt]	+5.0 V
Power Consumption (VDD line + CCFL line)	[Watt]	25W (typ) (w/o Inverter, All black pattern)
Weight	[Grams]	2000 (Typ)
Physical Size	[mm]	358.5(W) x 296.5(H) x 19.0(D)
Electrical Interface		Even/Odd R/G/B data, 3 sync signal, Clock
Support Color		262k colors (RGB 6-bit data)
Temperature Range		
Operating	[°C]	0 to +50
Storage (Shipping)	[°C]	-20 to +60

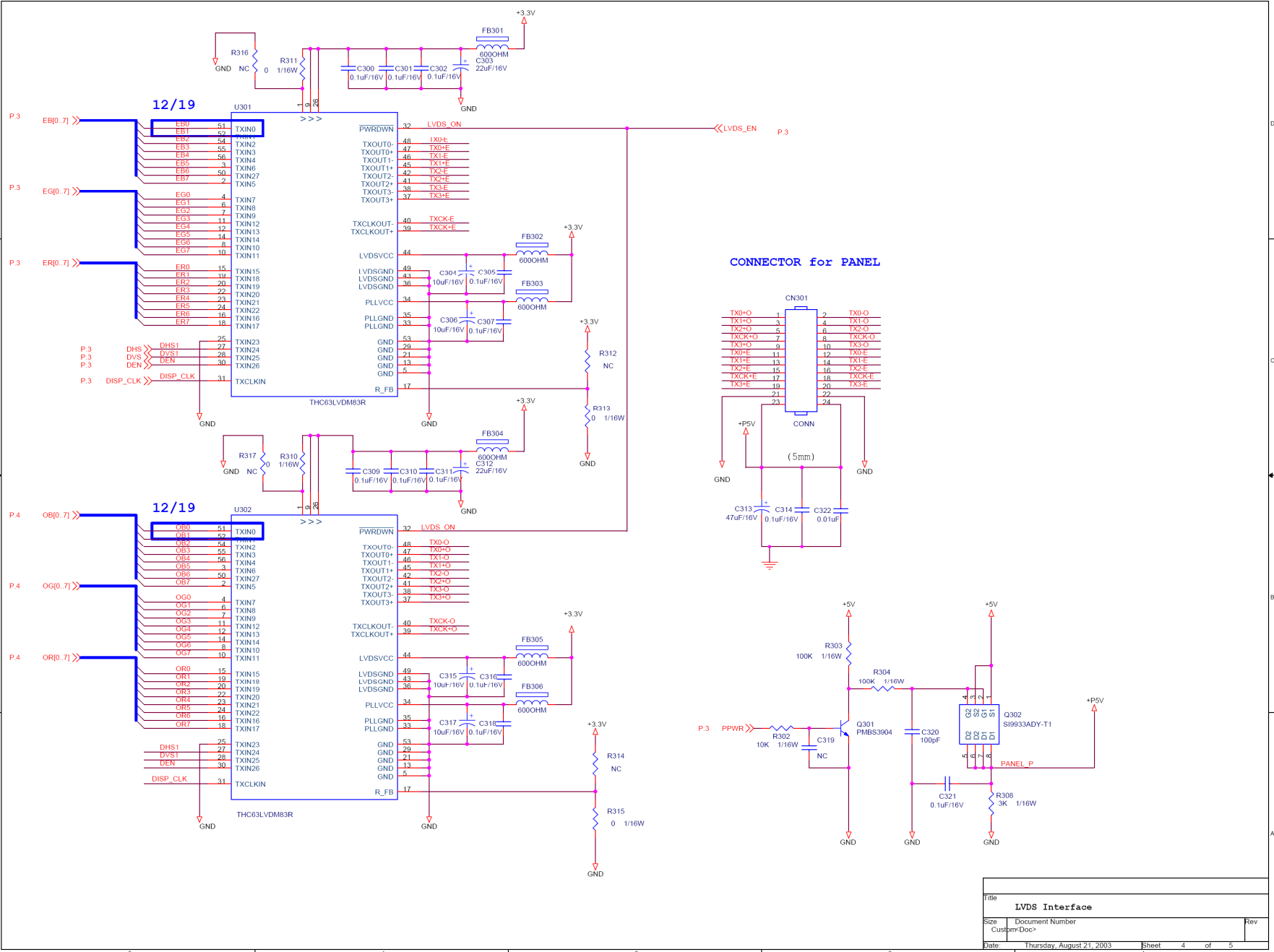
4.3.3 Optical Characteristics

The optical characteristics are measured under stable conditions at 25C (Room Temperature) :

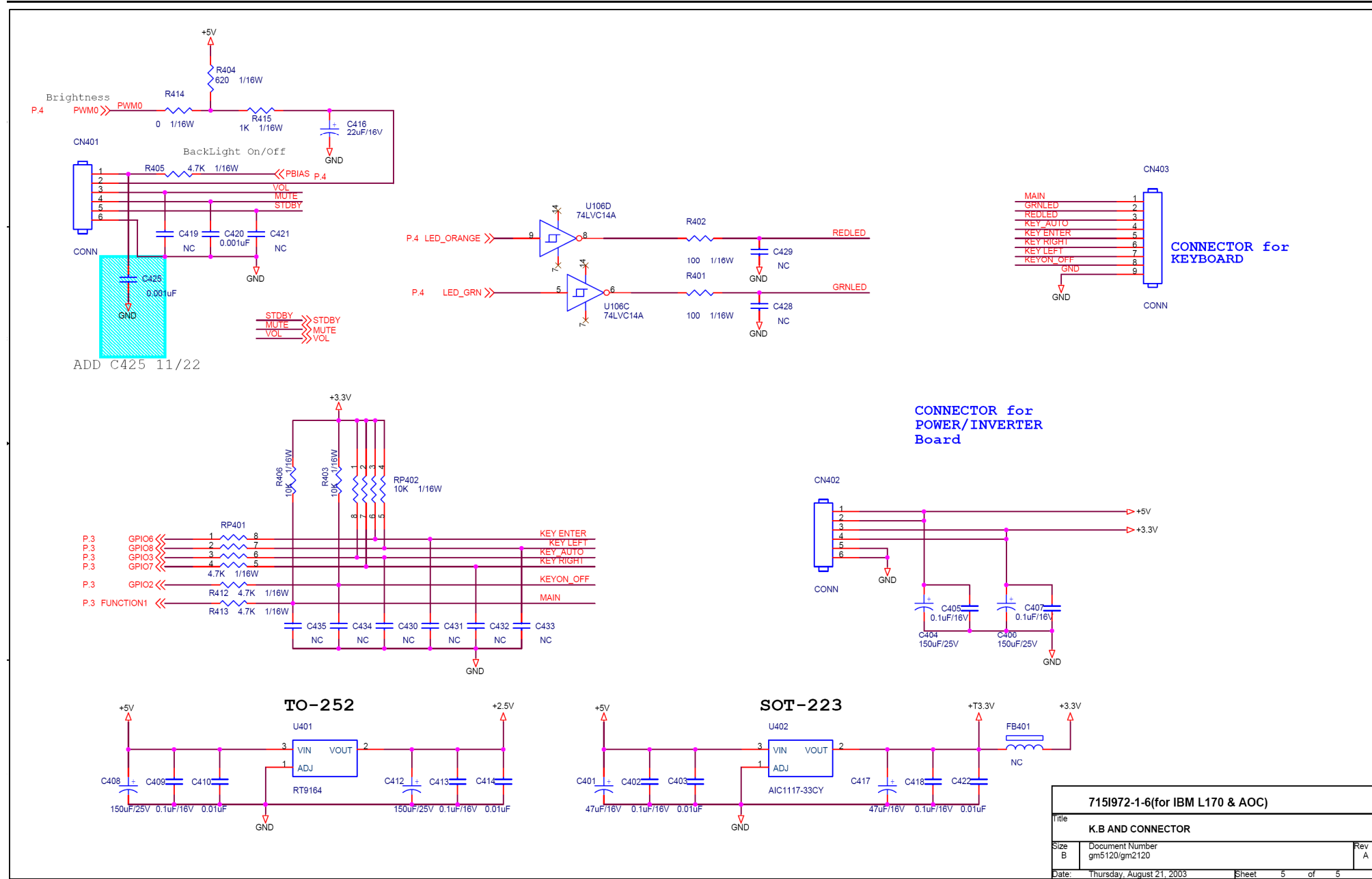
Item	Unit	Conditions	Min.	Typ.	Max.
Viewing Angle	[degree]	Horizontal (Right) CR = 10 (Left)	60 60	70 70	-
		Vertical (Up) CR = 10 (Down)	60 60	70 70	-
		Horizontal (Right) CR = 5 (Left)	70 70	80 80	-
		Vertical (Up) CR = 5 (Down)	70 70	80 80	-
Contrast ratio		Normal Direction	250	450	-
Response Time (Note 1)	[msec]	Raising Time	-	4	5
		Falling Time	-	12	20
		Raising + Falling	-	16	25
Color / Chromaticity Coordinates (CIE)		Red x	0.61	0.64	0.67
		Red y	0.31	0.34	0.37
		Green x	0.26	0.29	0.32
		Green y	0.58	0.61	0.64
		Blue x	0.11	0.14	0.17
		Blue y	0.04	0.07	0.10
Color Coordinates (CIE) White		White x	0.28	0.31	0.34
		White y	0.30	0.33	0.36
White Luminance @ CCFL 7.0mA (center)	[cd/m ²]		200	260	-
Luminance Uniformity (Note 2)	[%]		75	80	-
TCO99 1.5.2B luminance uniformity (Note 3)					1.7
Crosstalk (in 75Hz) (Note 4)	[%]				1.5



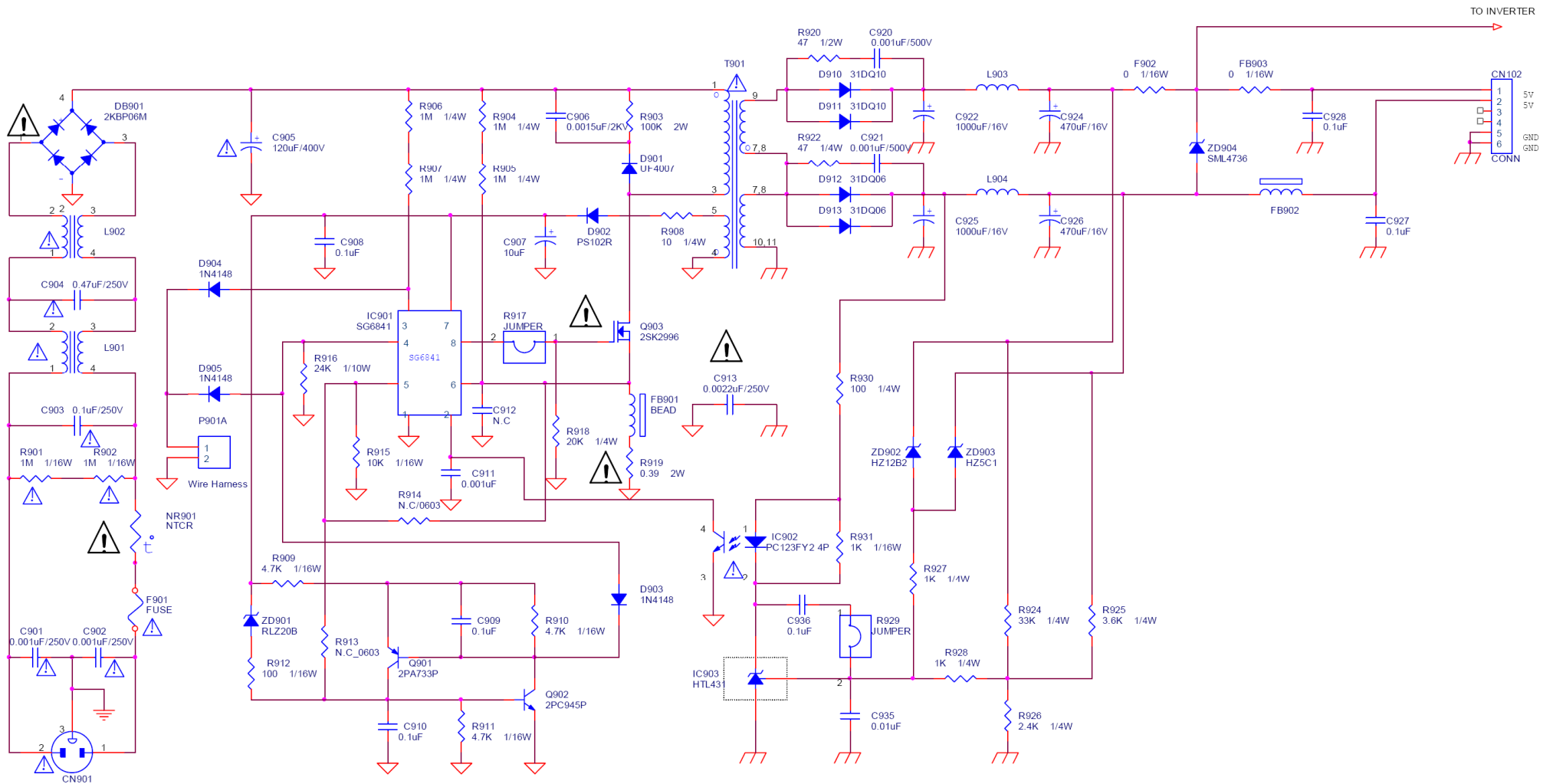


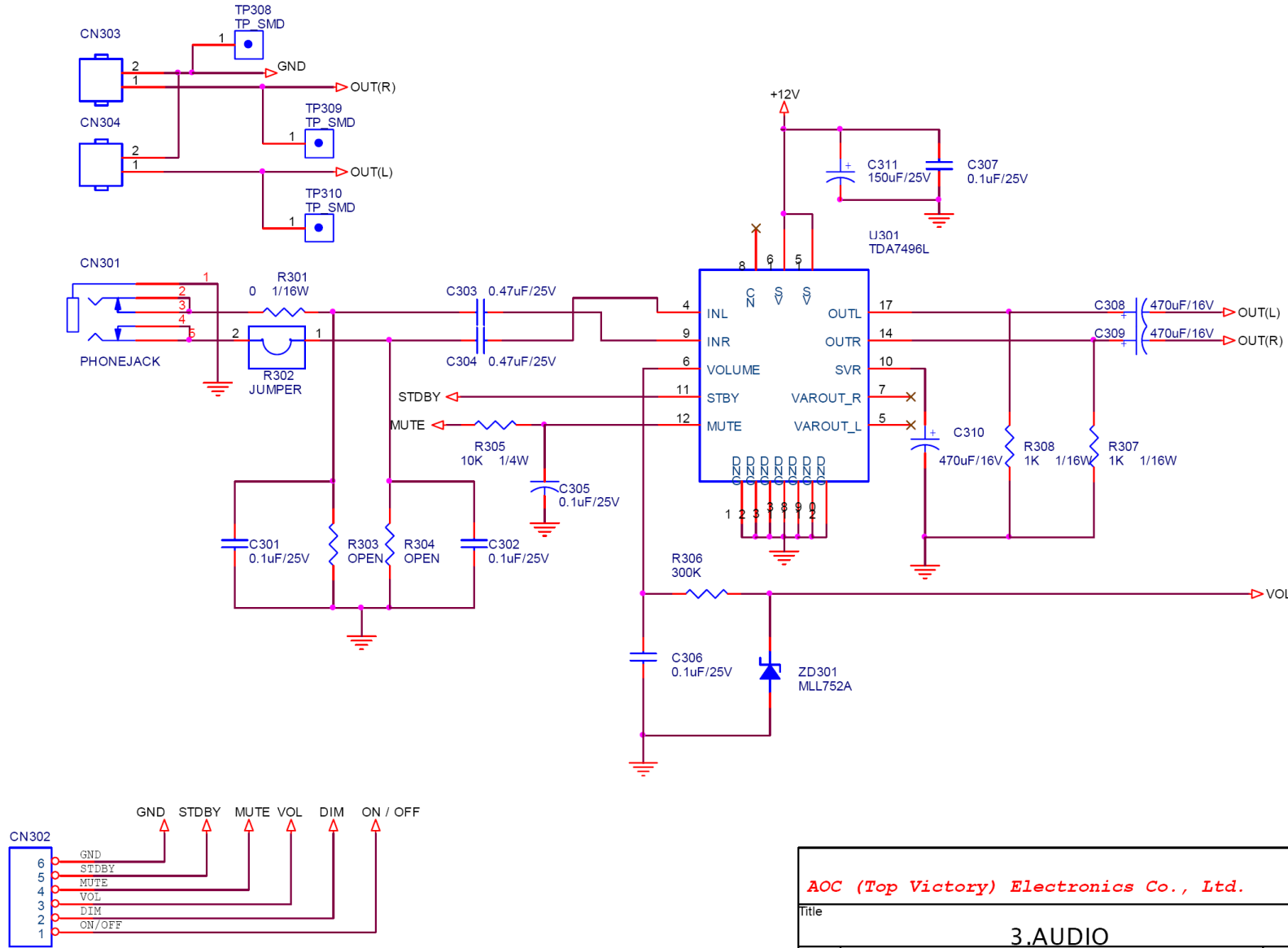


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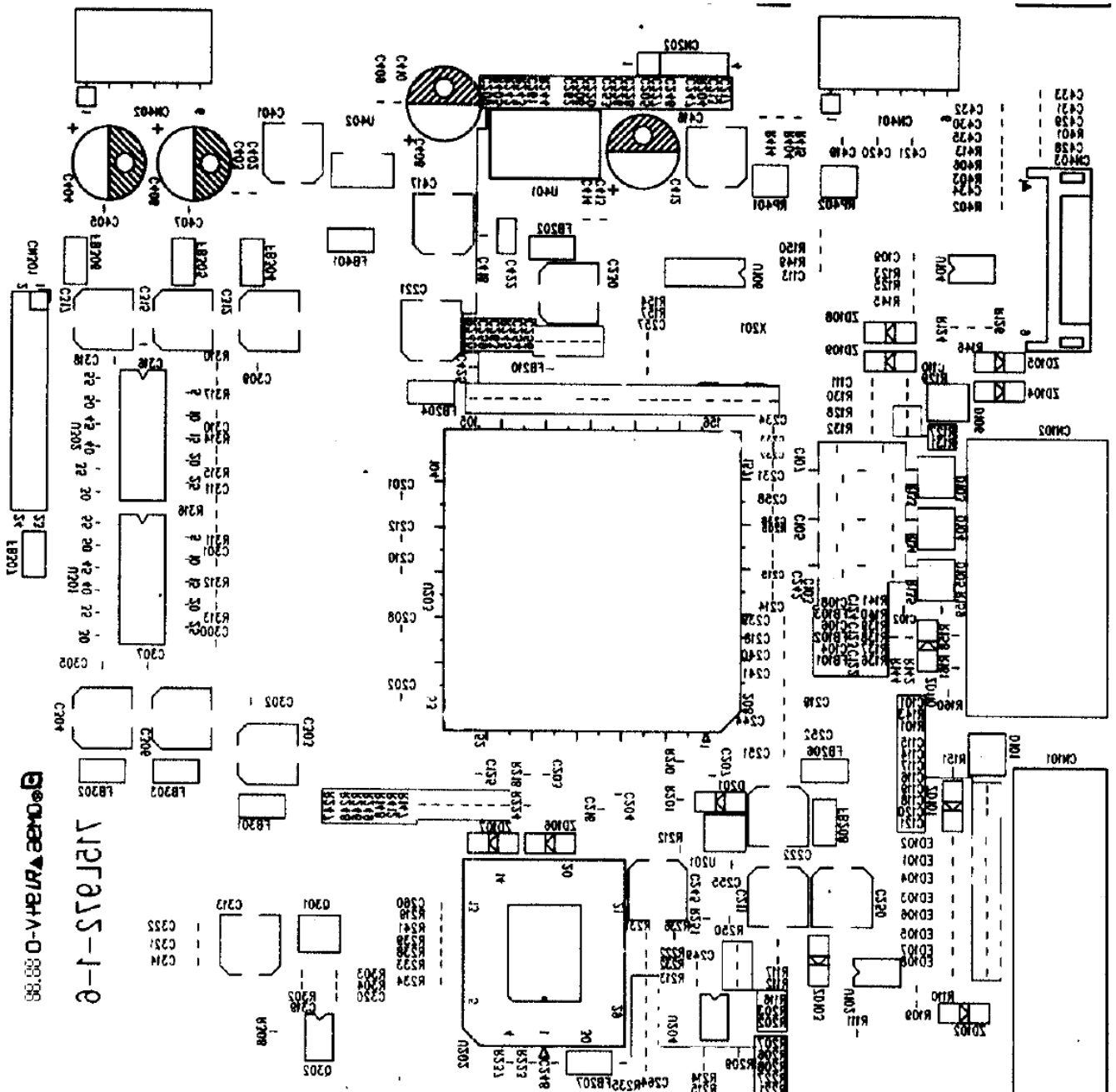
5.2 Power Board

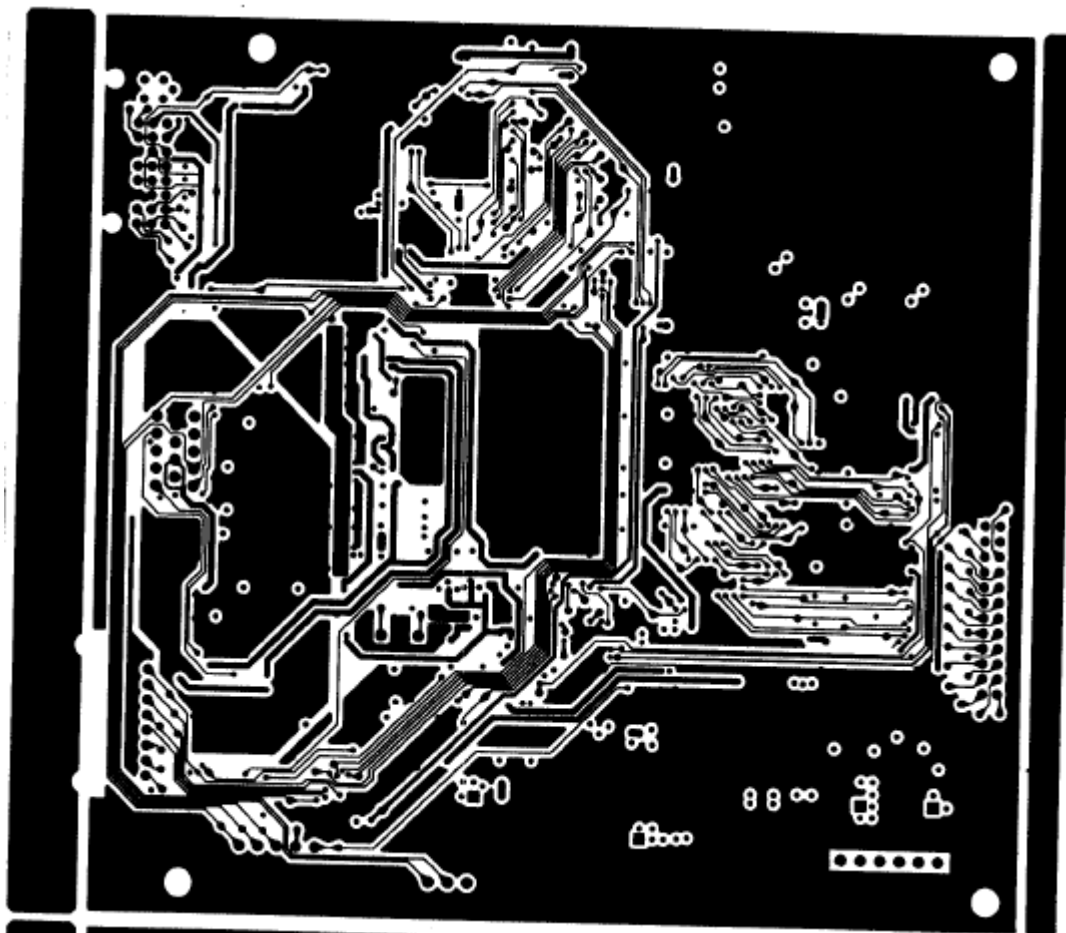
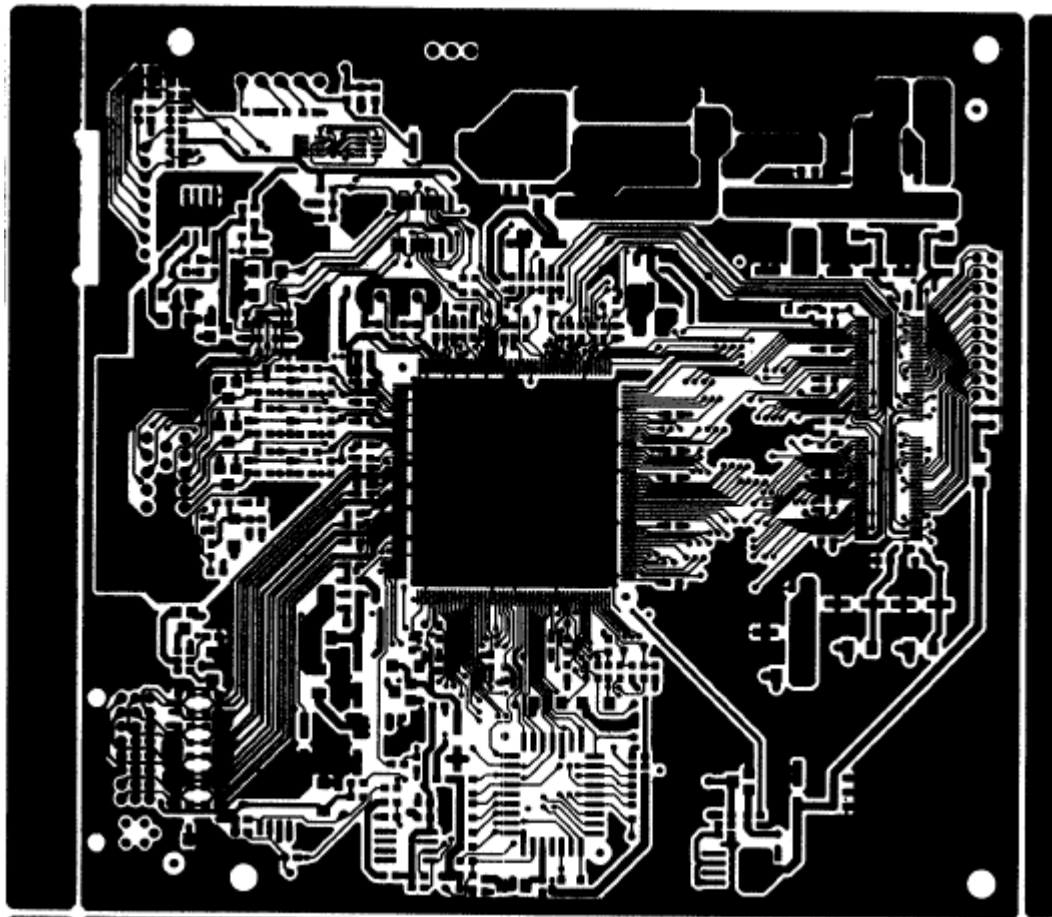


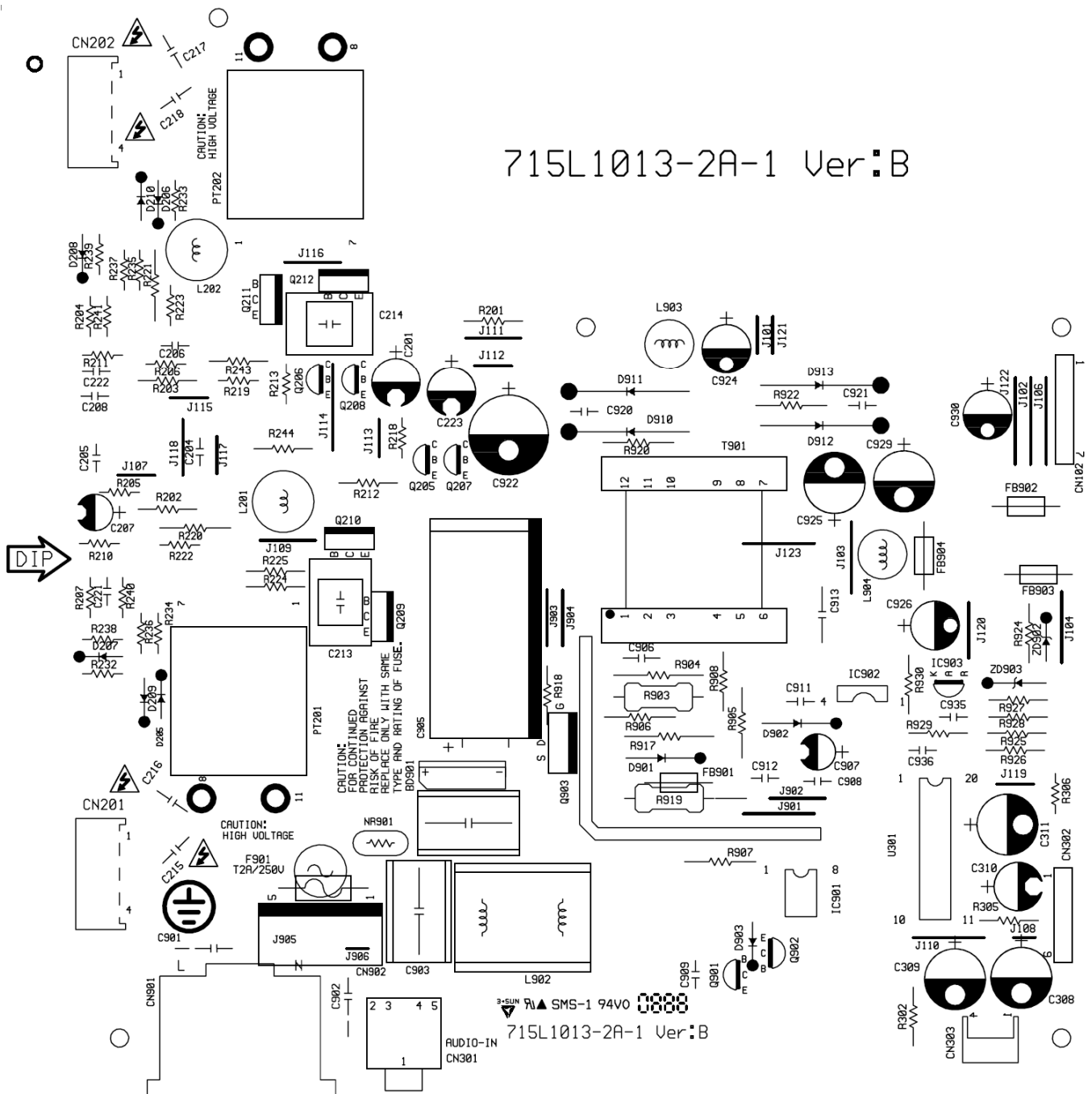


AOC (Top Victory) Electronics Co., Ltd.		
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3.AUDIO		
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Date: Friday, October 29, 2004		
Sheet 2 of 1		

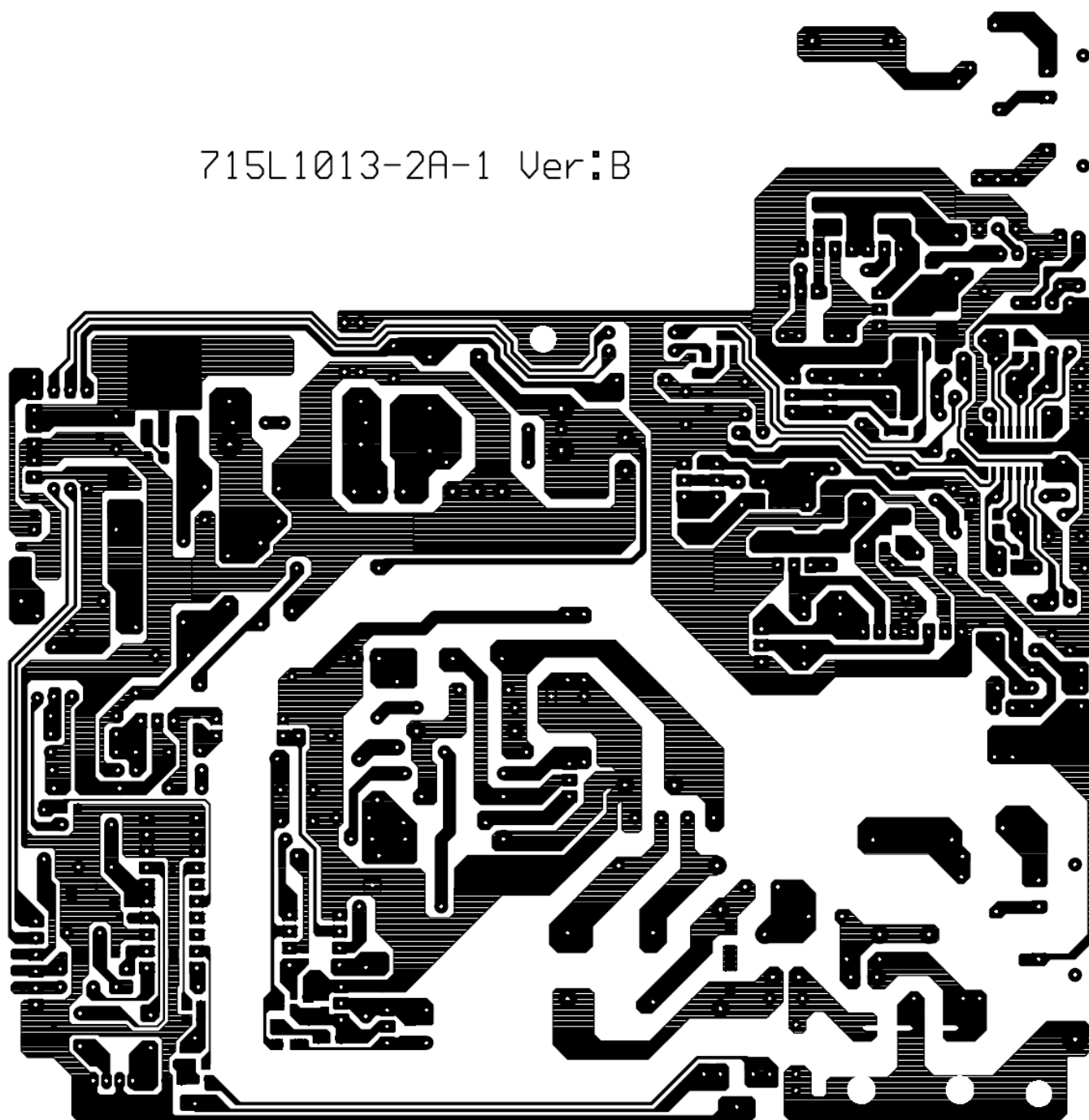
6.1 Main Board







715L1013-2A-1 Ver:B



7. BOM List**T782KACHBPG2A**

Location	Part No.	Description
	CBPC782KACG2	CONVERSION BOARD
	KEPC782KG1	KEY BOARD
	PWPC7425BA	LCD POWER ASS'Y
	15G5709503 1	MAIN FRAME
	15G5908 2	BRACKET
	15G6054 L	bracket(L)
	15G6054 R	bracket(R)
	26G 800608 1C	BARCODE
	33G4344 AT 1L	HING COVER(L)
	33G4344 AT 2L	HING COVER(R)
	33G4559 EE L	KEY PAD
	40G 19060811B	ID LABEL
	40G 575 62	TCO99 LABEL
	40G 58162435A	LABEL
	40G 581689 4A	SERIAL LABEL FOR MONIT
	41G170060823C	MANUAL
	41G7800608 9B	WARRANTY BOOKLET
	44G3231 15	EVA WASHER
	44G3705 1	EPS
	44G3705 2	EPS
	44GS705608 1B	CARTON
	45G 76 28 RN	PE BAG FO MANUAL/BASE
	45G 88607	PE BAG FOR MONITOR
	45G 88609 B	EPE COVER
	50G 600 2	HANDLE1
	50G 600 3	HANDLE2
	52G 1186	SMALL TAPE
	52G 1211 A	ALUMINIUM TAPE
	52G6025 11523	INSULATE SHEET
	52G6025 11553	INSULATE SHEET
	70G L17500LEN	DRIVER DISK
	85G6060500 5	SHIELD
	89G 173 56 4B	AUDIO CABLE
	89G1738GAA D1	SIGNAL CABLE
	89G404A18N YH	POWER CABLE
	95G8018 30504	WIRE HARNESS
	B1G1030 5128	SCREW

	M1G 330 4128	SCREW M3X4
	M1G 330 6128	SCREW
	M1G1130 6128	SCREW
	M1G1140 6128	SCREW 4X6
	M1G1740 12128	SCREW
	Q1G 340 12128	SCREW
	Q1G 340 16128	SCREW 4X16
	Q1G1030 10128	SCREW
	705L782KB34079	BACK COVER ASS'Y
E750L	750LLU70N05	AU 17" LCD PANEL
	AIC782KACG2	MAIN BOARD
	40G 457624 1B	LABEL-CPU
	40G 45762412B	CBPC LABEL
C404	67G215C151 4H	LOW ESR 150UF 25V 8*7M
C406	67G215C151 4H	LOW ESR 150UF 25V 8*7M
C408	67G215C151 4H	LOW ESR 150UF 25V 8*7M
C412	67G215C151 4H	LOW ESR 150UF 25V 8*7M
CN102	88G 35315FHAS	D-SUB 15PIN
CN301	33G801724A H	PIN HEADER 24P 2.0mm
CN401	33G8022 6A H	HEADER FEMALE 6P
CN402	33G8022 6A H	HEADER FEMALE 6P
CN403	33G3802 9H	WAFER 9P RIGHT ANELE P
U202	56L1133 42AL7	A2900117-70
X201	93G 22 53	CRYSTAL 14.318MHzHC-49
	715L 972 1 6	PCB
C102	65G0603104 12	CER2 0603 X7R 16V 100N
C103	65G0603103 32	0.01UF +-10% 50V X7R
C104	65G0603103 32	0.01UF +-10% 50V X7R
C105	65G0603103 32	0.01UF +-10% 50V X7R
C106	65G0603103 32	0.01UF +-10% 50V X7R
C107	65G0603103 32	0.01UF +-10% 50V X7R
C108	65G0603103 32	0.01UF +-10% 50V X7R
C109	65G0603104 12	CER2 0603 X7R 16V 100N
C110	65G0603390 32	CHIP 39PF 50V
C111	65G0603390 32	CHIP 39PF 50V
C113	65G0603104 12	CER2 0603 X7R 16V 100N
C125	65G0603102 32	1000PF +-10% 50V X7R
C201	65G0603104 12	CER2 0603 X7R 16V 100N
C202	65G0603104 12	CER2 0603 X7R 16V 100N
C203	65G0603104 12	CER2 0603 X7R 16V 100N

C204	65G0603104 12	CER2 0603 X7R 16V 100N
C205	65G0603104 12	CER2 0603 X7R 16V 100N
C206	65G0603104 12	CER2 0603 X7R 16V 100N
C207	65G0603104 12	CER2 0603 X7R 16V 100N
C208	65G0603104 12	CER2 0603 X7R 16V 100N
C209	65G0603104 12	CER2 0603 X7R 16V 100N
C210	65G0603104 12	CER2 0603 X7R 16V 100N
C211	67G 312101 3	SMD 100UF +-20% 16V
C212	65G0603104 12	CER2 0603 X7R 16V 100N
C213	65G0603104 12	CER2 0603 X7R 16V 100N
C214	65G0603104 12	CER2 0603 X7R 16V 100N
C215	65G0603104 12	CER2 0603 X7R 16V 100N
C216	65G0603104 12	CER2 0603 X7R 16V 100N
C217	65G0603104 12	CER2 0603 X7R 16V 100N
C218	65G0603104 12	CER2 0603 X7R 16V 100N
C219	65G0603104 12	CER2 0603 X7R 16V 100N
C220	65G0603104 12	CER2 0603 X7R 16V 100N
C226	65G0603104 12	CER2 0603 X7R 16V 100N
C227	65G0603104 12	CER2 0603 X7R 16V 100N
C228	65G0603104 12	CER2 0603 X7R 16V 100N
C231	65G0603104 12	CER2 0603 X7R 16V 100N
C232	65G0603104 12	CER2 0603 X7R 16V 100N
C233	65G0603104 12	CER2 0603 X7R 16V 100N
C234	65G0603104 12	CER2 0603 X7R 16V 100N
C238	65G0603104 12	CER2 0603 X7R 16V 100N
C239	65G0603104 12	CER2 0603 X7R 16V 100N
C240	65G0603104 12	CER2 0603 X7R 16V 100N
C241	65G0603104 12	CER2 0603 X7R 16V 100N
C242	65G0603104 12	CER2 0603 X7R 16V 100N
C244	65G0603104 12	CER2 0603 X7R 16V 100N
C245	67G 312100 3	SMD 10UF +-20% 16V
C246	65G0603330 31	CER1 0603 NP0 50V 33P
C247	65G0603330 31	CER1 0603 NP0 50V 33P
C248	65G0603104 12	CER2 0603 X7R 16V 100N
C249	65G0603104 12	CER2 0603 X7R 16V 100N
C250	67G 312220 3	SMD 22UF +-20% 16V
C251	65G0603104 12	CER2 0603 X7R 16V 100N
C252	65G0603103 32	0.01UF +-10% 50V X7R
C253	65G0603104 12	CER2 0603 X7R 16V 100N
C254	65G0603103 32	0.01UF +-10% 50V X7R

C255	65G0603104 12	CER2 0603 X7R 16V 100N
C256	65G0603103 32	0.01UF +-10% 50V X7R
C257	65G0603104 12	CER2 0603 X7R 16V 100N
C258	65G0603103 32	0.01UF +-10% 50V X7R
C259	65G0603330 31	CER1 0603 NP0 50V 33P
C260	65G0603470 32	CHIP 47PF 50V X7R
C261	65G0603102 32	1000PF +-10% 50V X7R
C262	65G0603102 32	1000PF +-10% 50V X7R
C263	65G0603102 32	1000PF +-10% 50V X7R
C264	65G0603102 32	1000PF +-10% 50V X7R
C300	65G0603104 12	CER2 0603 X7R 16V 100N
C301	65G0603104 12	CER2 0603 X7R 16V 100N
C302	65G0603104 12	CER2 0603 X7R 16V 100N
C303	67G 312220 3	SMD 22UF +-20% 16V
C304	67G 312100 3	SMD 10UF +-20% 16V
C305	65G0603104 12	CER2 0603 X7R 16V 100N
C306	67G 312100 3	SMD 10UF +-20% 16V
C307	65G0603104 12	CER2 0603 X7R 16V 100N
C309	65G0603104 12	CER2 0603 X7R 16V 100N
C310	65G0603104 12	CER2 0603 X7R 16V 100N
C311	65G0603104 12	CER2 0603 X7R 16V 100N
C312	67G 312220 3	SMD 22UF +-20% 16V
C314	65G0603104 12	CER2 0603 X7R 16V 100N
C315	67G 312100 3	SMD 10UF +-20% 16V
C316	65G0603104 12	CER2 0603 X7R 16V 100N
C317	67G 312100 3	SMD 10UF +-20% 16V
C318	65G0603104 12	CER2 0603 X7R 16V 100N
C320	65G0603101 32	100PF +-10% 50V X7R
C321	65G0603104 12	CER2 0603 X7R 16V 100N
C322	65G0603103 32	0.01UF +-10% 50V X7R
C402	65G0603104 12	CER2 0603 X7R 16V 100N
C403	65G0603103 32	0.01UF +-10% 50V X7R
C405	65G0603104 12	CER2 0603 X7R 16V 100N
C407	65G0603104 12	CER2 0603 X7R 16V 100N
C409	65G0603104 12	CER2 0603 X7R 16V 100N
C410	65G0603103 32	0.01UF +-10% 50V X7R
C413	65G0603104 12	CER2 0603 X7R 16V 100N
C414	65G0603103 32	0.01UF +-10% 50V X7R
C416	67G 312220 3	SMD 22UF +-20% 16V
C418	65G0603104 12	CER2 0603 X7R 16V 100N

C419	65G0603102 32	1000PF +-10% 50V X7R
C420	65G0603102 32	1000PF +-10% 50V X7R
C421	65G0603102 32	1000PF +-10% 50V X7R
C422	65G0603103 32	0.01UF +-10% 50V X7R
C425	65G0603102 32	1000PF +-10% 50V X7R
C428	65G0603102 32	1000PF +-10% 50V X7R
C429	65G0603102 32	1000PF +-10% 50V X7R
C430	65G0603102 32	1000PF +-10% 50V X7R
C431	65G0603102 32	1000PF +-10% 50V X7R
C432	65G0603102 32	1000PF +-10% 50V X7R
C433	65G0603102 32	1000PF +-10% 50V X7R
C434	65G0603102 32	1000PF +-10% 50V X7R
C435	65G0603102 32	1000PF +-10% 50V X7R
D103	93G 6433P	BAV99 SOT-23
D104	93G 6433P	BAV99 SOT-23
D105	93G 6433P	BAV99 SOT-23
D106	93G 60230	BAT54C(L43)
D201	93G 6432V	LL4148-GS08
FB101	71G 59C800	CHIP BEAD
FB102	71G 59C800	CHIP BEAD
FB103	71G 59C800	CHIP BEAD
FB202	71G 57G601	TI3216JIG
FB204	71G 57G601	TI3216JIG
FB206	71G 57G601	TI3216JIG
FB207	71G 57G601	TI3216JIG
FB208	61L1206000	RST SM 1206 JUMP MAX 0
FB210	71G 59C300	CHIP BEAD
FB301	71G 57G601	TI3216JIG
FB302	71G 57G601	TI3216JIG
FB303	71G 57G601	TI3216JIG
FB304	71G 57G601	TI3216JIG
FB305	71G 57G601	TI3216JIG
FB306	71G 57G601	TI3216JIG
FB307	71G 57G601	TI3216JIG
FB401	71G 57G601	TI3216JIG
Q301	57G 417 4	PMBS3904/PHILIPS-SMT(0
Q302	56G 566 6	SI9953DY-T1
R123	61L0603103	RST SM 0603 RC0603 10K
R124	61L0603103	RST SM 0603 RC0603 10K
R125	61L0603470	RST SM 0603 RC0603 47R

R126	61L0603470	RST SM 0603 RC0603 47R
R129	61L0603470	RST SM 0603 RC0603 47R
R130	61L0603470	RST SM 0603 RC0603 47R
R131	61L0603103	RST SM 0603 RC0603 10K
R132	61L0603103	RST SM 0603 RC0603 10K
R133	61L0603750 9F	75OHM 1% 1/10W
R134	61L0603750 9F	75OHM 1% 1/10W
R135	61L0603750 9F	75OHM 1% 1/10W
R136	61L0603121	CHIPR 120 OHM 1/10W
R137	61L0603101	RST SM 0603 RC0603 100
R138	61L0603121	CHIPR 120 OHM 1/10W
R139	61L0603101	RST SM 0603 RC0603 100
R140	61L0603121	CHIPR 120 OHM 1/10W
R141	61L0603101	RST SM 0603 RC0603 100
R142	61L0603103	RST SM 0603 RC0603 10K
R144	61L0603472	RST SM 0603 RC0603 4K7
R147	61L0603101	RST SM 0603 RC0603 100
R148	61L0603101	RST SM 0603 RC0603 100
R150	71G 59B121	TB160808B
R154	61L0603000	RST SM 0603 JUMP MAX 0
R157	61L0603000	RST SM 0603 JUMP MAX 0
R158	61L0603000	RST SM 0603 JUMP MAX 0
R161	61L0603000	RST SM 0603 JUMP MAX 0
R201	61L0603472	RST SM 0603 RC0603 4K7
R202	61L0603000	RST SM 0603 JUMP MAX 0
R204	65G0603509 31	CHIP 5PF +-0.5PF 50V N
R205	61L0603100 1F	CHIP 1KOHM 1/10W 1%
R206	61L0603103	RST SM 0603 RC0603 10K
R207	61L0603103	RST SM 0603 RC0603 10K
R208	61L0603103	RST SM 0603 RC0603 10K
R210	61L0603000	RST SM 0603 JUMP MAX 0
R213	61L0603000	RST SM 0603 JUMP MAX 0
R214	61L0603103	RST SM 0603 RC0603 10K
R215	61L0603103	RST SM 0603 RC0603 10K
R218	61L0603102	RST SM 0603 RC0603 1K
R219	61L0603000	RST SM 0603 JUMP MAX 0
R221	61L0603103	RST SM 0603 RC0603 10K
R222	61L0603103	RST SM 0603 RC0603 10K
R223	61L0603103	RST SM 0603 RC0603 10K
R224	61L0603621	CHIPR 620 OHM+-5% 1/10

R227	61L0603000	RST SM 0603 JUMP MAX 0
R231	61L0603103	RST SM 0603 RC0603 10K
R232	61L0603103	RST SM 0603 RC0603 10K
R235	61L0603000	RST SM 0603 JUMP MAX 0
R238	61L0603103	RST SM 0603 RC0603 10K
R239	61L0603103	RST SM 0603 RC0603 10K
R240	61L0603470	RST SM 0603 RC0603 47R
R241	61L0603103	RST SM 0603 RC0603 10K
R242	71G 59C300	CHIP BEAD
R243	71G 59C300	CHIP BEAD
R244	71G 59C300	CHIP BEAD
R245	61L0603472	RST SM 0603 RC0603 4K7
R246	61L0603472	RST SM 0603 RC0603 4K7
R247	61L0603472	RST SM 0603 RC0603 4K7
R248	71G 59C300	CHIP BEAD
R249	71G 59C300	CHIP BEAD
R250	61L0603000	RST SM 0603 JUMP MAX 0
R251	61L0603103	RST SM 0603 RC0603 10K
R302	61L0603103	RST SM 0603 RC0603 10K
R303	61L0603104	RST SM 0603 RC0603 100
R304	61L0603104	RST SM 0603 RC0603 100
R308	61L0603302	CHIPR 3K OHM +-5% 1/10
R310	61L0603000	RST SM 0603 JUMP MAX 0
R311	61L0603000	RST SM 0603 JUMP MAX 0
R312	65G0603104 32	CHIP 0.1UF 50V X7R
R313	61L0603000	RST SM 0603 JUMP MAX 0
R314	65G0603104 32	CHIP 0.1UF 50V X7R
R315	61L0603000	RST SM 0603 JUMP MAX 0
R401	61L0603101	RST SM 0603 RC0603 100
R402	61L0603101	RST SM 0603 RC0603 100
R403	61L0603103	RST SM 0603 RC0603 10K
R404	61L0603621	CHIPR 620 OHM+-5% 1/10
R405	61L0603472	RST SM 0603 RC0603 4K7
R406	61L0603103	RST SM 0603 RC0603 10K
R412	61L0603472	RST SM 0603 RC0603 4K7
R413	61L0603472	RST SM 0603 RC0603 4K7
R414	61L0603000	RST SM 0603 JUMP MAX 0
R415	61L0603102	RST SM 0603 RC0603 1K
RP401	61L 125472 8	CHIP AR 8P4R 4.7K OHM+
RP402	61L 125103 8	CHIP AR 8P4R 10KOHM +-5%

U104	56G1133 34	M24C02-WMN6TP
U106	56G4LVC 14 P	74LVC14ADT
U202	87L 202 32	PLCC CONN 32PIN
U203	56L 562 19	SCALER IC gm5120(V:BD)
U204	56G1133 33	M24C16-MN6TP
U301	56G 561 8	THC63LVDM83R
U302	56G 561 8	THC63LVDM83R
U401	56G 585 7	RT9164-25PL
U402	56G 585 4	AIC1117-33CY
	AIK782KG1SMT	KEY BOARD FOR SMT
CN103	95G8014 9523	HARNESS
LED1	81G 12 1 GP	GP32032ME
SW101	77L 600 1GHJ	KEY SWITCH
SW102	77L 600 1GHJ	KEY SWITCH
SW103	77L 600 1GHJ	KEY SWITCH
SW104	77L 600 1GHJ	KEY SWITCH
SW105	77L 600 1GHJ	KEY SWITCH
	AIK782KG1	KEY BOARD
C101	65G0805104 32	CHIP 0.1U 50V X7R
Q101	57G 417 4	PMBS3904/PHILIPS-SMT(0
Q102	57G 417 4	PMBS3904/PHILIPS-SMT(0
	715L1036 1	KEY BOARD PCB
R108	61G 60222152T	CFR 220OHM +-5% 1/6W
	PWPC7425BASMT	LCD POWER ASS'Y FOR SM
	40G 45762412B	CBPC LABEL
	705L 780 57 02	CN901 ASS'Y
	705L 780 5702A	Q903 ASS'Y
BD901	93G 50460502	KBP206G
C215	65G 3J2206ET	22PF 5% SL 3KV TDK
C216	65G 3J2206ET	22PF 5% SL 3KV TDK
C217	65G 3J2206ET	22PF 5% SL 3KV TDK
C218	65G 3J2206ET	22PF 5% SL 3KV TDK
C901	65L305M1022E3	1000PF +-20% 400VAC BY
C902	65L305M1022E3	1000PF +-20% 400VAC BY
C903	63G107K474 US	0.47UF +-10%
C905	67G305S10114H	100UF +-20% 400V
C906	65G 2K152 5E6921	1500 PF 10% 2KV Y5P
C913	65G306M4722BP	4700PF +-20% 400VAC
C922	67G215L102 3R	LOW E.S.R 1000UF +/-20
C925	67G215L102 3R	LOW E.S.R 1000UF +/-20

CN102	33G8009 6N H	WAFER
CN201	33G8020 4D AC	CONN.4P DIP BY ACES
CN202	33G8020 4D AC	CONN.4P DIP BY ACES
CN301	88G 30210K	PHONE JACK 5PIN
CN302	33G8009 6N H	WAFER
CN303	33G3802 4H	WAFER 4P RIGHT ANGLE
D910	93G3010 1	31DQ10FC
D911	93G3010 1	31DQ10FC
D912	93G3006 1	31DQ06FC
D913	93G3006 1	31DQ06FC
F901	84G 7H200 SL	250V/2A LIHEL FUSE
FB901	71G 55 29	FERRITE BEAD
IC901	56G 379 32	SG6841DZ DIP-8
IC902	56G 139 3A	PC123Y22FZOF
J119	71G 5519R	FERRITE BEAD
L201	73G 253139LSA	CHOKE COIL
L202	73G 253139 HA	CHOKE COIL
L902	73L 174 26T1G	LINE LILT 0.45MM
L903	73G 253 91 H	CHOKE COIL
L904	73G 253 91 H	CHOKE COIL
NR901	61G 58080 WT	8 OHM NCT
PT201	80LL15T 7YSG	X'FMR
PT202	80LL15T 7YSG	X'FMR
Q209	57G 761 6	2SC5706-P-E
Q210	57G 761 6	2SC5706-P-E
Q211	57G 761 6	2SC5706-P-E
Q212	57G 761 6	2SC5706-P-E
R903	61G152M104 64	100KOHM 5% 2W
R919	61G 2J398 59	0.39 OHM 2W
T901	80LL17T 2 TG	X'FMR
U301	56G 616 1	TDA7496
	PWPC7425BAAI	LCD POWER ASS'Y FOR AI
C202	65G0805104 22	0.1UF +-10% 25V X7R 08
C203	65G0805105 27	CHIP 1UF Y5V 0805
C209	65G0805105 27	CHIP 1UF Y5V 0805
C210	65G0805105 27	CHIP 1UF Y5V 0805
C211	65G0805105 27	CHIP 1UF Y5V 0805
C212	65G0805105 27	CHIP 1UF Y5V 0805
C219	65G0805105 27	CHIP 1UF Y5V 0805
C220	65G0805105 27	CHIP 1UF Y5V 0805

C224	65G0805105 27	CHIP 1UF Y5V 0805
C225	65G0805105 27	CHIP 1UF Y5V 0805
C301	65G0805104 22	0.1UF +-10% 25V X7R 08
C302	65G0805104 22	0.1UF +-10% 25V X7R 08
C303	65G0805474 27	CHIP 0.47UF 25V Y5V
C304	65G0805474 27	CHIP 0.47UF 25V Y5V
C305	65G0805104 22	0.1UF +-10% 25V X7R 08
C306	65G0805104 22	0.1UF +-10% 25V X7R 08
C307	65G0805104 22	0.1UF +-10% 25V X7R 08
C910	65G0603104 37	CHIP 0.1UF 50V/Y5V
C927	65G0603104 37	CHIP 0.1UF 50V/Y5V
D201	93G2004 2A	SM240A DO-214AC
D202	93G2004 2A	SM240A DO-214AC
D203	93G 39S 3 T	BZT52-C11
D204	93G 39S 3 T	BZT52-C11
Q201	57G 760 5A	DTC 144WN3/S SOT-23
Q202	57G 760 4A	DTA144WN3/S SOT-23
Q203	57G 763 3	AO4411 SO-8
Q204	57G 763 3	AO4411 SO-8
R208	61L0603472	RST SM 0603 RC0603 4K7
R209	61L0603472	RST SM 0603 RC0603 4K7
R214	61L0603222	RST SM 0603 RC0603 2K2
R215	61L0603222	RST SM 0603 RC0603 2K2
R216	61L0603221	RST SM 0603 RC0603 220
R217	61L0603221	RST SM 0603 RC0603 220
R226	61L1206152	CHIPR 1.5K OHM+-5%1/4W
R227	61L1206152	CHIPR 1.5K OHM+-5%1/4W
R228	61L1206152	CHIPR 1.5K OHM+-5%1/4W
R229	61L1206152	CHIPR 1.5K OHM+-5%1/4W
R230	61L1206152	CHIPR 1.5K OHM+-5%1/4W
R231	61L1206152	CHIPR 1.5K OHM+-5%1/4W
R301	61L0603000	RST SM 0603 JUMP MAX 0
R307	61L0603102	RST SM 0603 RC0603 1K
R901	61L1206105	CHIP 1MOHM 5% 1/4W
R902	61L1206105	CHIP 1MOHM 5% 1/4W
R909	61L1206472	CHIP 4.7KOHM 5% 1/4W
R910	61L1206472	CHIP 4.7KOHM 5% 1/4W
R911	61L1206472	CHIP 4.7KOHM 5% 1/4W
R912	61L1206101	CHIP 100 OHM 5% 1/4W
R915	61L1206103	CHIP 10KOHM 5% 1/4W

R916	61L0805240 2F	CHIP 24KOHM 1% 1/8W
R931	61L0603102	RST SM 0603 RC0603 1K
U201	56G 622 1	BA9741F-SMT
ZD301	93G 39139	MLL752A
ZD901	93G 39S 23 T	GLZ22B
ZD904	93G 39S 19 T	PTZ7.5B
	715L1013 2A 1	POWER BOARD PCB
C201	67G215C1514HT	LOW ESR 150UF 25V 8*7M
C204	64G700J1040AT	0.1UF 50V PEN
C205	64G700J1040AT	0.1UF 50V PEN
C206	64G700J1040AT	0.1UF 50V PEN
C207	67G 305479 7T	4.7UF 20% 50V 105
C208	65G 44233113T	330PJNPO 50V
C221	64G701J4740AT	0.47uF 50V
C222	64G701J4740AT	0.47uF 50V
C223	67G215C1514HT	LOW ESR 150UF 25V 8*7M
C308	67G215B4713HT	470UF 16V LTR471M1CF11
C309	67G215B4713HT	470UF 16V LTR471M1CF11
C310	67G215B4713HT	470UF 16V LTR471M1CF11
C311	67G215C1514HT	LOW ESR 150UF 25V 8*7M
C905	6G 31502	1.5MM RIVET
C908	65G 450104 7T	0.1UF +80-20% 50V Y5V
C909	64G700J1040AT	0.1UF 50V PEN
C911	64G700J1020AT	1000PF 50V PEN
C920	65L517K102 5T6213	1000PF 10% Y5P 500V
C921	65L517K102 5T6213	1000PF 10% Y5P 500V
C924	67G215B4713HT	470UF 16V LTR471M1CF11
C926	67G215B4713HT	470UF 16V LTR471M1CF11
C936	64G700J1040AT	0.1UF 50V PEN
D205	93G 64 1152T	1N4148
D206	93G 64 1152T	1N4148
D207	93G 64 1152T	1N4148
D208	93G 64 1152T	1N4148
D209	93G 64 1152T	1N4148
D210	93G 64 1152T	1N4148
D901	93G 6026T52T	RECTIFIER DIODE FR107
D902	93G 6038T52T	FR103
D903	93G 64 1152T	1N4148
FB902	71G 55 19 T	FERRITE BEAD D9X3. 5X0
IC903	56G 158 4 T	H431BA

L902	6G 31502	1.5MM RIVET
PT201	6G 31502	1.5MM RIVET
PT202	6G 31502	1.5MM RIVET
Q205	57G 417 3 T	MPS3904
Q206	57G 417 3 T	MPS3904
Q207	57G 414 2	MPS3906
Q208	57G 414 2	MPS3906
Q901	57G 420 PP T	2PA733P
Q902	57G 419 PP T	2PC945P
R201	61G 60230352T	30KOHM 5% 1/6W
R202	61G 60210352T	CFR 10KOHM +-5% 1/6W
R203	61G 60210352T	CFR 10KOHM +-5% 1/6W
R204	61G 60210352T	CFR 10KOHM +-5% 1/6W
R205	61G 60247352T	47KOHM 5% 1/6W
R206	61G 60247352T	47KOHM 5% 1/6W
R210	61G 60215352T	15KOHM 5% 1/6W
R211	61G 60215352T	15KOHM 5% 1/6W
R212	61G 60239252T	3.9KOHM 5% 1/6W
R213	61G 60239252T	3.9KOHM 5% 1/6W
R218	61G 60210152T	100OHM +- 5% 1/6W
R219	61G 60210152T	100OHM +- 5% 1/6W
R220	61G 60215352T	15KOHM 5% 1/6W
R221	61G 60215352T	15KOHM 5% 1/6W
R222	61G 60212352T	12KOHM 5% 1/6W
R223	61G 60212352T	12KOHM 5% 1/6W
R224	61G 17215252T	CFR 1.5K OHM+-5% 1/4W
R225	61G 17215252T	CFR 1.5K OHM+-5% 1/4W
R232	61G 60210252T	CFR 1K OHM +-5% 1/6W
R233	61G 60210252T	CFR 1K OHM +-5% 1/6W
R234	61G 60291152T	CFR 910 OHM+-5% 1/6W
R235	61G 60291152T	CFR 910 OHM+-5% 1/6W
R236	61G 60268152T	680 OHM 5% 1/6W
R237	61G 60268152T	680 OHM 5% 1/6W
R238	61G 60212352T	12KOHM 5% 1/6W
R239	61G 60212352T	12KOHM 5% 1/6W
R240	61G 60251352T	51KOHM +-5% 1/6W
R241	61G 60251352T	51KOHM +-5% 1/6W
R243	61G 17210252T	1K OHM 5% 1/4W
R244	61G 17210252T	1K OHM 5% 1/4W
R305	61G 17210352T	CFR 10KOHM +-5% 1/4W

R306	61G 60230452T	300KOHM +-5% 1/6W
R904	61L214Y10552T	1M,1/4W
R905	61L214Y10552T	1M,1/4W
R906	61L214Y10552T	1M,1/4W
R907	61L214Y10552T	1M,1/4W
R908	61G 17268952T	6.8OHM 5% 1/4W
R917	61G 17210052T	100HM 5% 1/4W
R918	61G 17210352T	CFR 10KOHM +-5% 1/4W
R920	61G 20747052T	47 OHM 1/2W
R922	61G 20747052T	47 OHM 1/2W
R924	61G 20033352T	33KOHM 1% 1/4W
R925	61G 20036252T	3.6KOHM 1% 1/4W
R926	61G 20024252T	2.4KOHM 1% 1/4W
R927	61G 17210252T	1K OHM 5% 1/4W
R928	61G 17210252T	1K OHM 5% 1/4W
R930	61G 17210152T	100 OHM 5% 1/4W
T901	6G 31502	1.5MM RIVET
ZD902	93G 39 5452T	HZ12B2-E
ZD903	93G 39 7752T	HZ5C1-E
	95G205S354022	HARNESS
CN901	87G 501 12 CJ	AC SOCKET
	90G 407 2	HEAT SINK
	M1G1730 8128	SCREW M3x8
Q903	57G 724 4A	STP9NK60ZEP
	15G5791 1	VESA BKT
	33G4560 1	LENS
	34G 917 AT B	SUPPORT FRONT
	34G 918 AT B	SUPPORT BACK
	34G 919 AT B	BASE
	34G1081 ATA2B	BACK COVER
	34G1087BAS 1B	FRONT PANEL
	37G 448500	LCD HINGE
	78G 311500 Y	SPEAKER
	Q1G1030 10128	SCREW
	Q1G1030 12128	SCREW
	Q1G1040 8128	SCREW