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COLOR MONITOR SERVICE MANUAL

CHASSIS NO. : CL-18

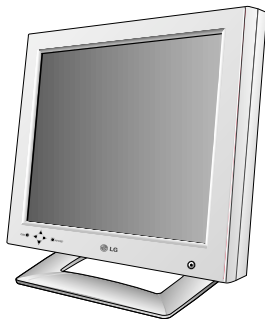
FACTORY MODEL: LB565T

MODEL: FLATRON LCD 575LE (LB565T-EA)

*() ID LABEL MODEL No.

CAUTION

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



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SPECIFICATIONS

1. LCD CHARACTERISTICS

Type	: TFT XGA LCD
Size	: 15 inch (38.1cm)
Pixel Pitch	: 0.297mm (H) x 0.297mm (V)
Electrical Interface	: LVDS Interface
Color Depth	: 6-bits/ 16,194,277 colors
Active Video Area	: 304.1mm (H) x 228.1mm (V)
Surface Treatment	: Anti-Glare, Hard Coating (3H)
Backlight Unit	: Bottom edge side 2CCFL

2. OPTICAL CHARACTERISTICS

2-1. Viewing Angle by Contrast Ratio ≥ 10

Left	: 50° typ., 50° min.
Right	: 60° typ., 60° min.
Top	: 40° typ., 40° min.
Bottom	: 55° typ., 45° min.

2-2. Luminance : 200 cd/m² typ.

2-3. Angle at Half Luminance

Left	: 70° min.
Right	: 70° min.
Top	: 40° min.
Bottom	: 70° min.

2-4. Contrast Ratio : 250 typ.

3. SIGNAL (Refer to the Timing Chart)

3-1. Sync Signal

- 1) Type : Separate Sync. (Horizontal & Vertical)
- 2) Input Voltage Level: Low=0~0.8V, High=2.1~5.5V
- 3) Sync Polarity : Positive or Negative

3-2. Video Input Signal


- 1) Type : R, G, B Analog
- 2) Voltage Level : 0~0.714 V
 - a) Color 0, 0 : 0 Vp-p
 - b) Color 7, 0 : 0.467 Vp-p
 - c) Color 15, 0 : 0.714 Vp-p
- 3) Input Impedance : 75 Ω

3-3. Operating Frequency

Horizontal	: 31 ~ 61 kHz
Vertical	: 56 ~ 75 Hz

4. POWER SUPPLY

4-1. Power Adaptor

Input	: AC 100~240V, 50/60Hz 1.2A
Output	: DC 12V  3.0A

4-2. Power Consumption

MODE	H/V SYNC	VIDEO	POWER CONSUMPTION	LED COLOR
POWER ON (NORMAL)	ON/ON	ACTIVE	less than 36 W	GREEN
STAND-BY	OFF/ON	OFF	less than 3 W	YELLOW
SUSPEND	ON/OFF	OFF	less than 3 W	YELLOW
OFF	OFF/OFF	OFF	less than 3 W	YELLOW
POWER OFF	-	-	less than 3 W	OFF

5. ENVIRONMENT

5-1. Operating Temperature: 10°C~35°C (50°F~95°F) (Ambient)

5-2. Relative Humidity : 5%~95% (Non-condensing)

5-3. Altitude : 0~10,000ft (3,030m)

6. DIMENSIONS (with TILT/SWIVEL)


Width	: 394 mm (15.51")
Depth	: 161.8 mm (6.37")
Height	: 378.7 mm (14.91")

7. WEIGHT (with TILT/SWIVEL)

Net. Weight	: 4.8 kg (10.58 lbs)
Gross Weight	: 6.9 kg (15.21 lbs)

PRECAUTION

WARNING FOR THE SAFETY-RELATED COMPONENT.

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

TAKE CARE DURING HANDLING THE LCD MODULE WITH BACKLIGHT UNIT.

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

WARNING

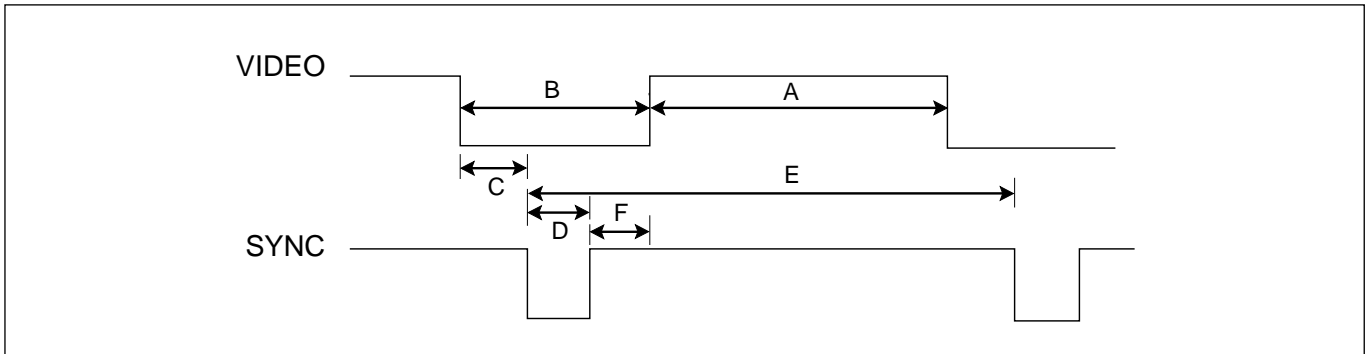
BE CAREFUL ELECTRIC SHOCK !

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

CAUTION

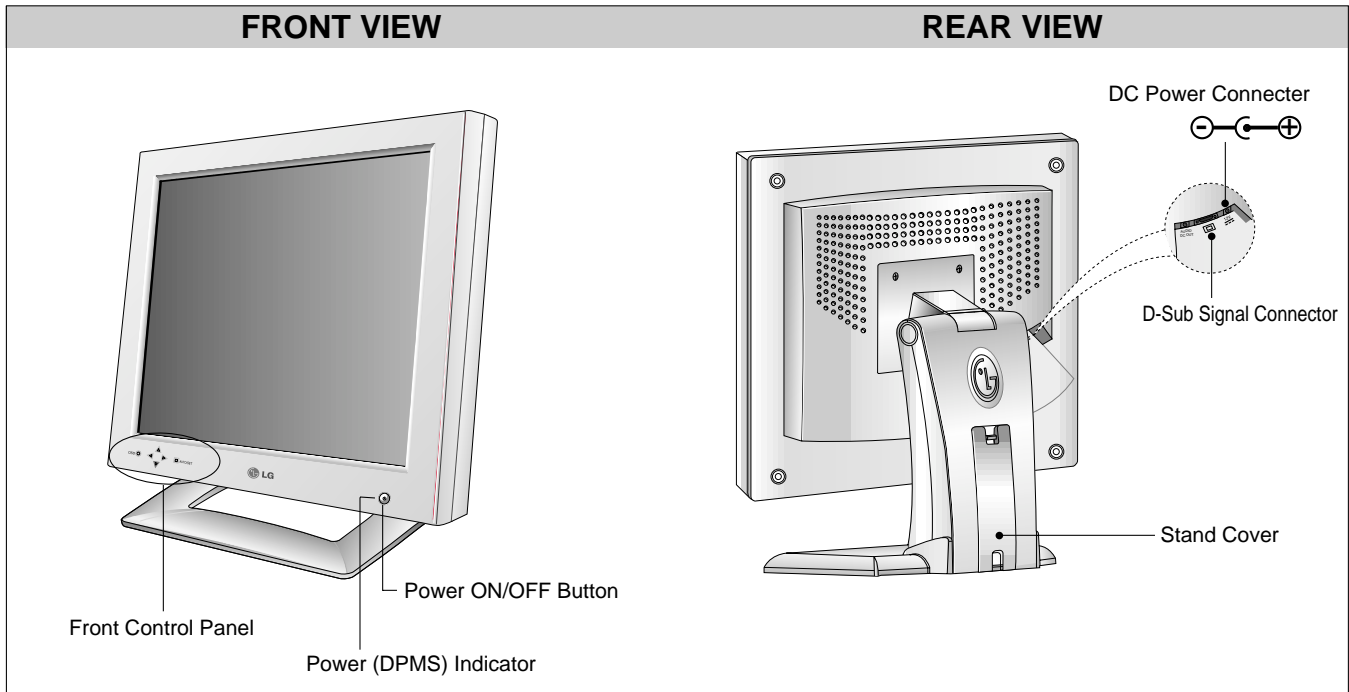
Please use only a plastic screwdriver to protect yourself from shock hazard during service operation.

TIMING CHART

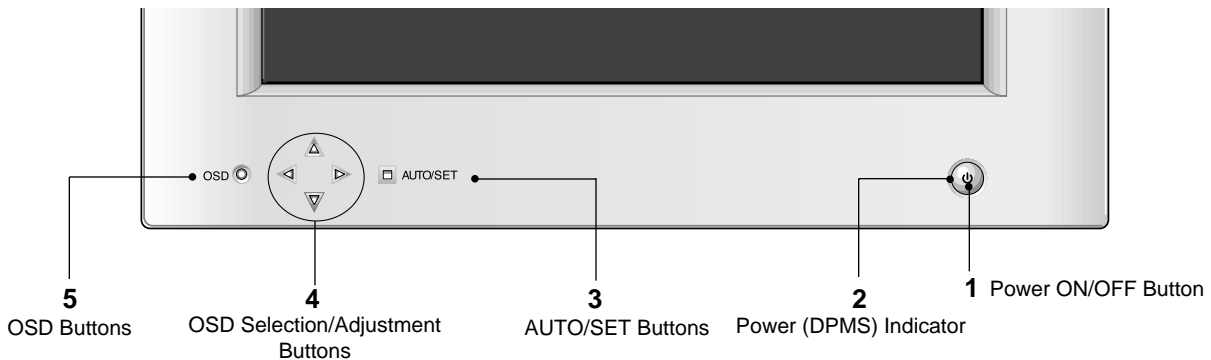


MODE	H / V	Sync Polarity	Dot Clock	Frequency	Total Period (E)	Video Active Time (A)	Blanking Time (B)	Sync Duration (D)	Back Porch (F)	Front Porch (C)	Resolution
1	H (Pixels)	+	25.175	31.468 KHz	800	640	160	96	48	16	640 x 350
	V (Lines)	-		70.0 Hz	449	350	99	2	60	37	
2	H (Pixels)	-	28.322	31.468 KHz	900	720	180	108	55	17	720 x 400 (TEXT)
	V (Lines)	+		70.0 Hz	449	400	49	2	34	13	
3	H (Pixels)	-	25.175	31.469 KHz	800	640	160	96	48	16	640 x 480
	V (Lines)	-		60.0 Hz	525	480	45	2	33	10	
4	H (Pixels)	-	30.24	35.00 KHz	864	640	224	64	96	64	640 x 480
	V (Lines)	-		66.67 Hz	525	480	45	3	39	3	
5	H (Pixels)	-	31.5	37.861 KHz	832	640	192	40	128	24	640 x 480
	V (Lines)	-		72.8 Hz	520	480	40	3	28	9	
6	H (Pixels)	-	31.5	37.50 KHz	840	640	200	64	120	16	640 x 480
	V (Lines)	-		75.0 Hz	500	480	20	3	16	1	
7	H (Pixels)	+	36.0	35.156 KHz	1024	800	224	72	128	24	800 x 600
	V (Lines)	+		56.25 Hz	625	600	25	2	22	1	
8	H (Pixels)	+	40.0	37.879 KHz	1056	800	256	128	88	40	800 x 600
	V (Lines)	+		60.3 Hz	628	600	28	4	23	1	
9	H (Pixels)	+	50.0	48.077 KHz	1040	800	240	120	64	56	800 x 600
	V (Lines)	+		72.188 Hz	666	600	66	6	23	37	
10	H (Pixels)	+	49.5	46.875 KHz	1056	800	256	80	160	16	800 x 600
	V (Lines)	+		75.0 Hz	625	600	25	3	21	1	
11	H (Pixels)	-	57.2832	49.725 KHz	1152	832	320	64	224	32	832 x 624 (MAC)
	V (Lines)	-		74.55 Hz	667	624	43	3	39	1	
12	H (Pixels)	-	65	48.363 KHz	1344	1024	320	136	160	24	1024 x 768
	V (Lines)	-		60.0 Hz	806	768	38	6	29	3	
13	H (Pixels)	-	75	56.476 KHz	1328	1024	304	136	144	24	1024 x 768
	V (Lines)	-		70.0 Hz	806	768	38	6	29	3	
14	H (Pixels)	+	78.75	60.023 KHz	1312	1204	288	96	176	16	1024 x 768
	V (Lines)	+		75.0 Hz	800	768	32	3	28	1	

OPERATING INSTRUCTIONS



Front Control Panel



1. Power ON/OFF Button

This button is used to turn the monitor ON and OFF.

2. Power Indicator

This indicator lights up green when the monitor operates normally. If the monitor is in DPM (Energy Saving) mode (stand-by/ suspend/power off), this indicator color changes to orange.

3. AUTO/SET Button

Use this button to enter a selection in the on screen display.

* AUTO adjustment function



Touch the **AUTO/SET** button before using OSD menu. This button is for the automatic adjustment of the screen position, clock and phase.

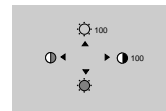
Note: Some signal from some graphics boards may not function properly. **If the results are unsatisfactory**, adjust your monitor's Position, Clock and Phase manually.

4. OSD Selection/Adjustment Buttons

Use these buttons to choose or adjust items in the on screen display.

<Shortcut Keys>

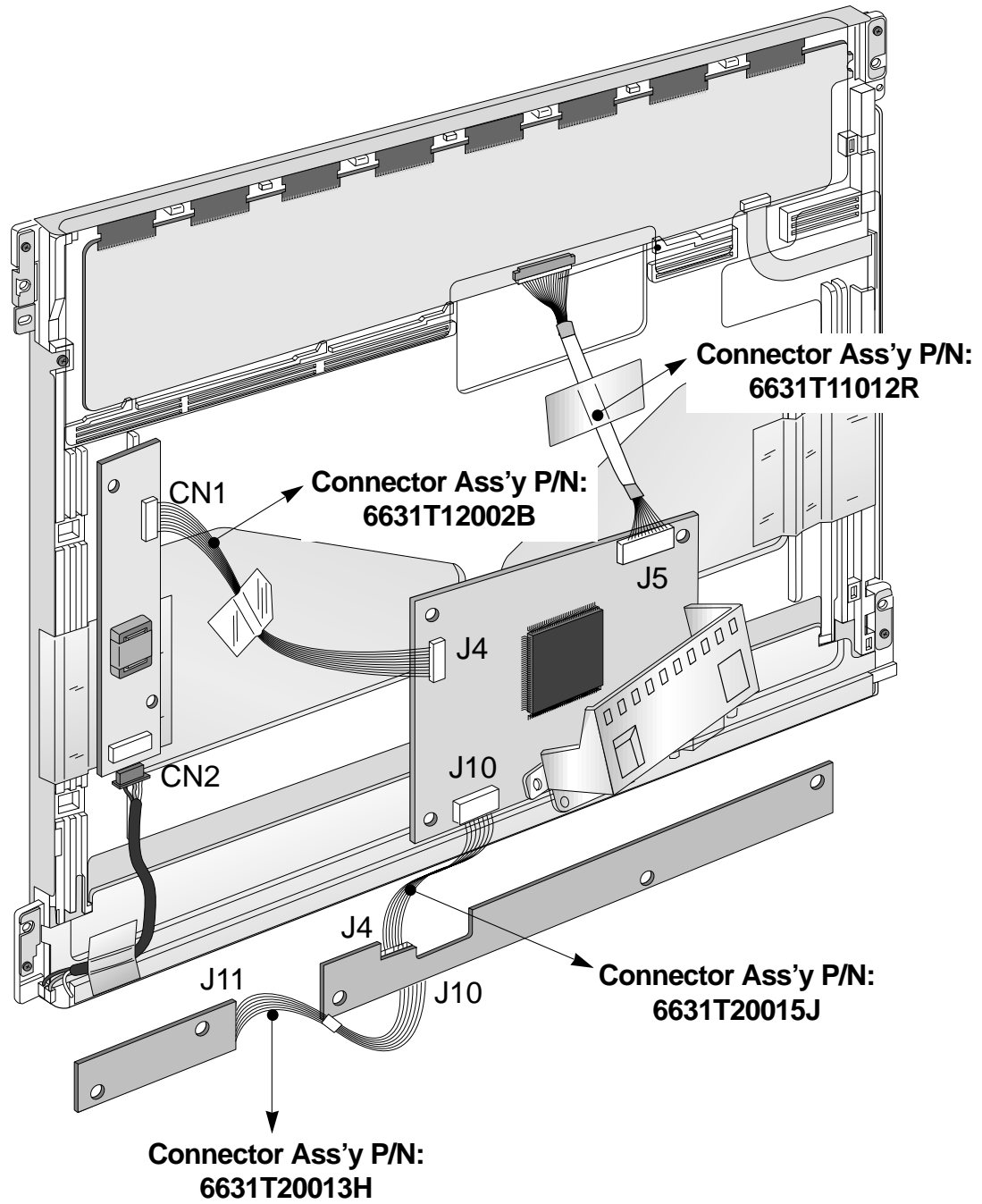
- Brightness and Contrast can be adjusted directly without entering the On Screen Display (OSD) system. Touch the <Left/Right/Up/Down> buttons to adjust the settings and then the **OSD button** to save all changes. The Brightness and Contrast functions are also available in the On Screen Display (OSD) menu.



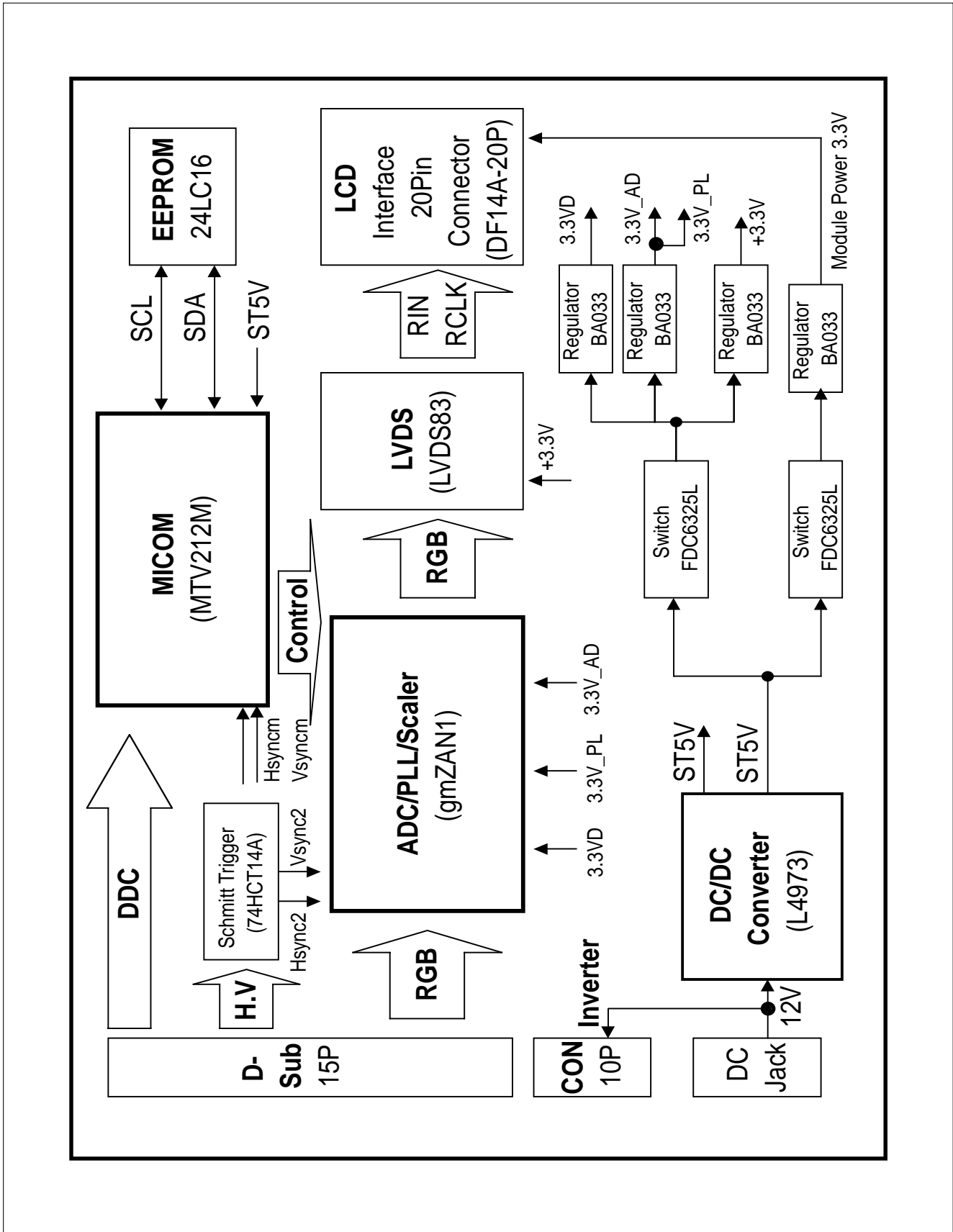
5. OSD Button

Use this button to enter or exit the on screen display.

WIRING DIAGRAM



BLOCK DIAGRAM



DESCRIPTION OF BLOCK DIAGRAM

1. Scaler One chip IC(GMZAN1, U3)

GMZAN1 (U3) is one chip IC which it supports four internal function blocks of Video Amp, PLL, A/D converter and Video processor.

Video signal (0.7Vp.p) clamped through C44, 45, 191 with matching IC's proper cut off voltage.

This signal is processed as a proper 8 bit digital signal by U3's amplifying, phase locking, A/D converting, and scaling operations.

U3 generates Clock, Horizontal and Vertical sync, Data Enable signals as LCD Panel's input signals.

2. System Controller (Microprocessor) Circuit

1) Microprocessor (U4) distinguishes polarity and frequency by calculating horizontal and vertical sync input from signal source.

2) Microprocessor (U4) carries out power control by sending power-down trigger signal to each IC.

3) Microprocessor (U4) communicates with EEPROM (U1), and GMZAN1 (U3) through IIC(2 lines) or 6 bit bus line. It makes all devices operated properly.

4) Microprocessor (U4) let User adjust screen by OSD function.

3. DC/ DC Converter

This circuit supplies DC power for each device needing DC voltage of 3.3VD, 3.3V_AD, 3.3V_PL, Module Power 3.3V and 5VS.

L4973D5.1(U13) , the DC/DC controller IC converts input 12Vdc into 5VS and 3.3Vdc with peripheral circuit composed of Inductor (L11), condensing components (ZD5, C72), and Regulators(U2, U7, U24,U30).

MODPWR(3.3V) for LCD module power is switched by U12, switching FET, controlled by Microprocessor.

3.3VD, 3.3V_AD, and 3.3V_PL for GMZAN1 (U3) and 3.3V for LVDS (U9) are switched by U5, switching FET, controlled by Microprocessor for Power saving.

4. Display Data Transmitter Part (LVDS).

This part transmit digital signal from the Scaler to the receiver of module.

ADJUSTMENT

All adjustment are thoroughly checked and corrected when the monitor leaves the factory, but sometimes several minor adjustment may be required.

Adjustment should be following procedure and after warming up for a minimum of 10 minutes.

Alignment appliances and tools.

- IBM Compatible PC
- Programmable Signal Generator.
(eg. VG-819 made by Astrodesign Co.)
- E(E)PROM with each mode data saved.
- Alignment Adapter and Software.

1. Adjustment for Factory Preset Mode

- 1) Run alignment program for LB565T on the IBM PC.
- 2) Select EEPROM ALL Init command and Enter.
- 3) Display cross hatch pattern at Mode 1.
- 4) Select FOS DEFAULT command and Enter.
- 5) Press "Y" key, it will automatically save all FOS data to EEPROM.

2. Adjustment for White Balance

- 1) Display color 0,0 pattern at Mode 12.
- 2) Set External Bright to MAX position and Contrast to MAX Position.
- 3) PRESET START command and Enter.
- 4) BIAS CAL command and Enter.
- 5) No attempt to manually adjust, BIAS data is automatically adjusted and saved to the EEPROM.
- 6) Display color 15,0 pattern at Mode 12.
- 7) Select DRIVE CAL command and Enter.
- 8) Color 1 (9300K) and Color 2 (6500K) are automatically adjusted and saved to the EEPROM.
- 9) Select PRESET EXIT command and Enter.

3. DDC Data Write Procedure

- 1) Use this procedure only when there is some problem on EDID data.
- 2) Select EEPROM → EDID Write command and Enter.
- 3) This will write the EDID data to EEPROM.

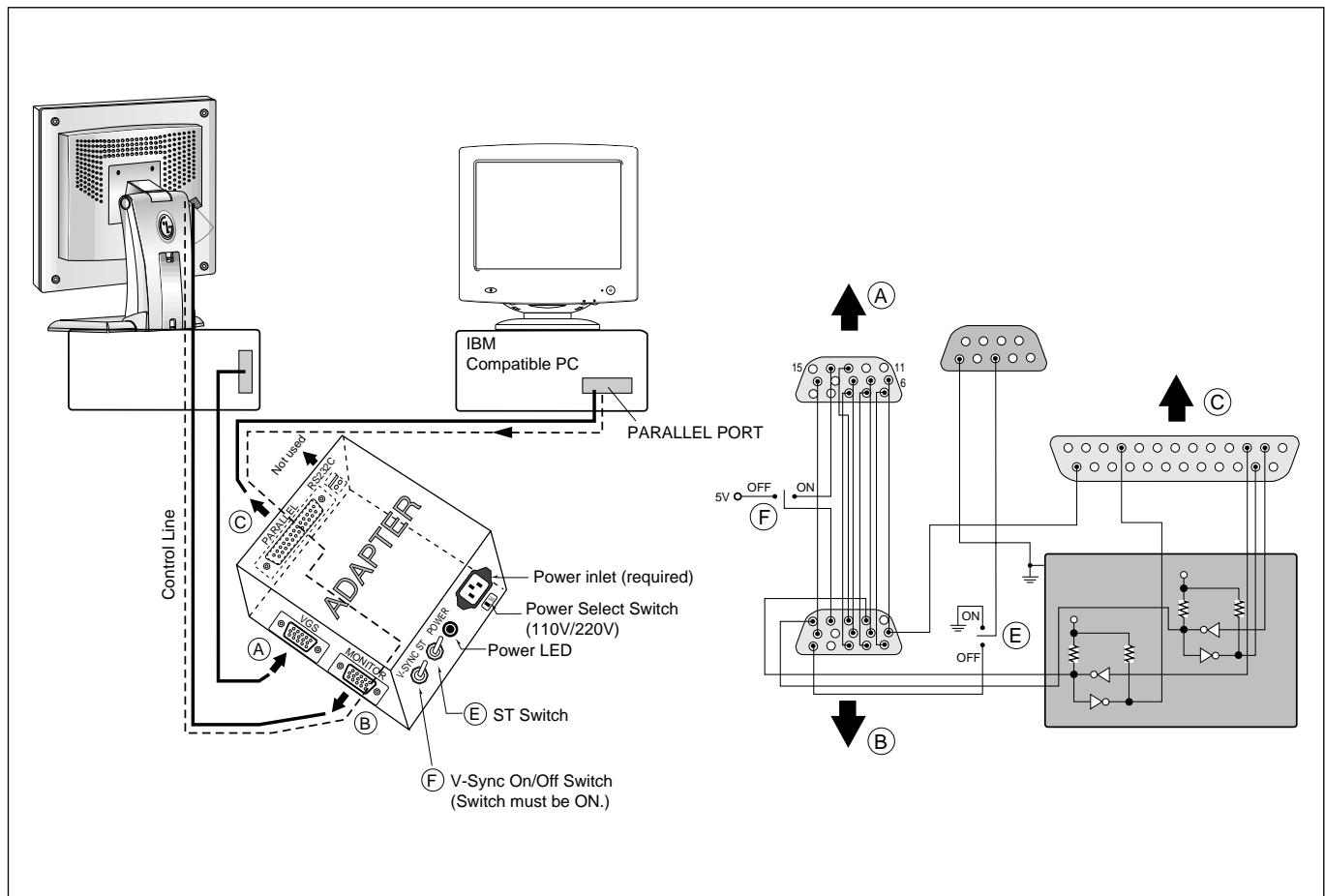
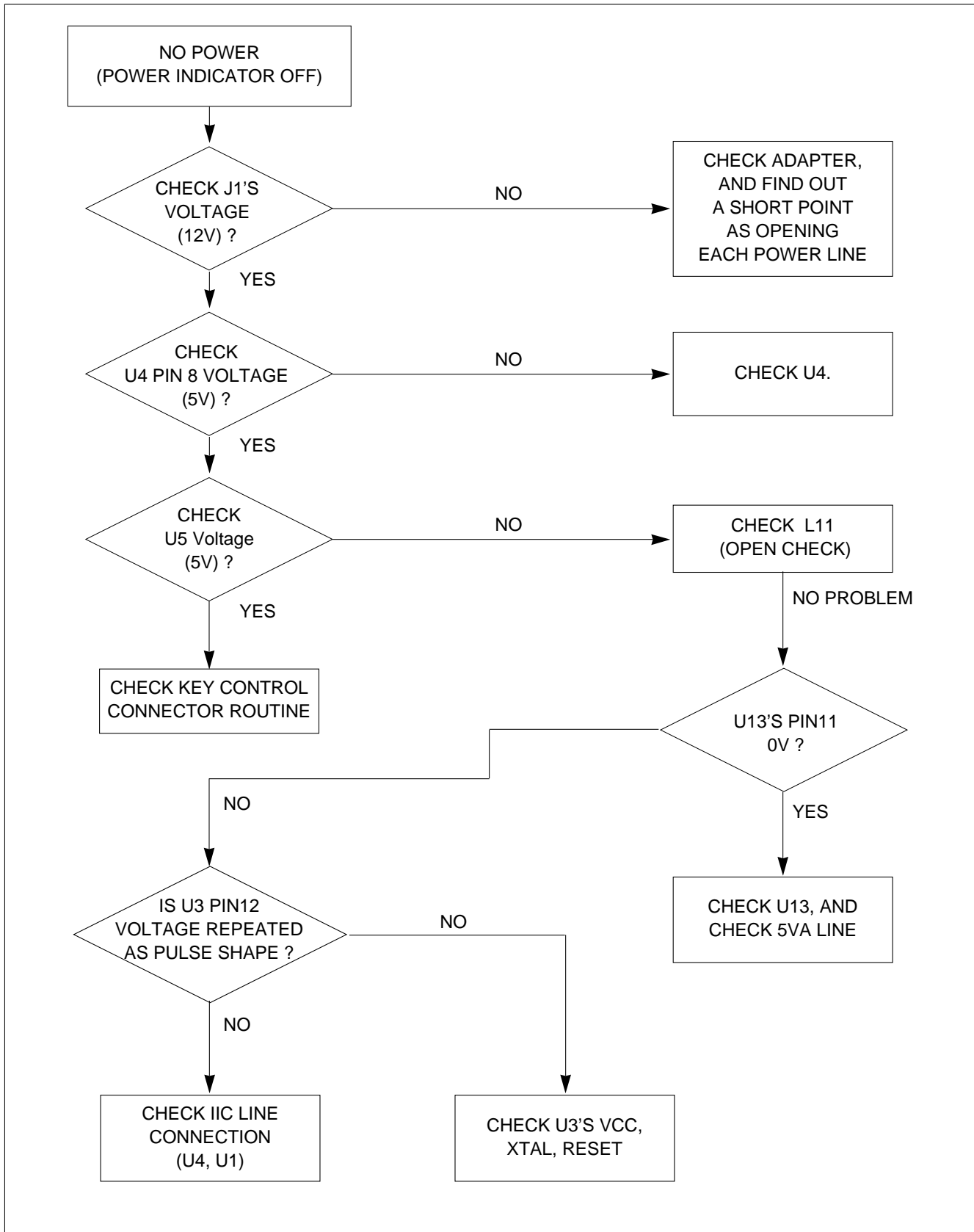


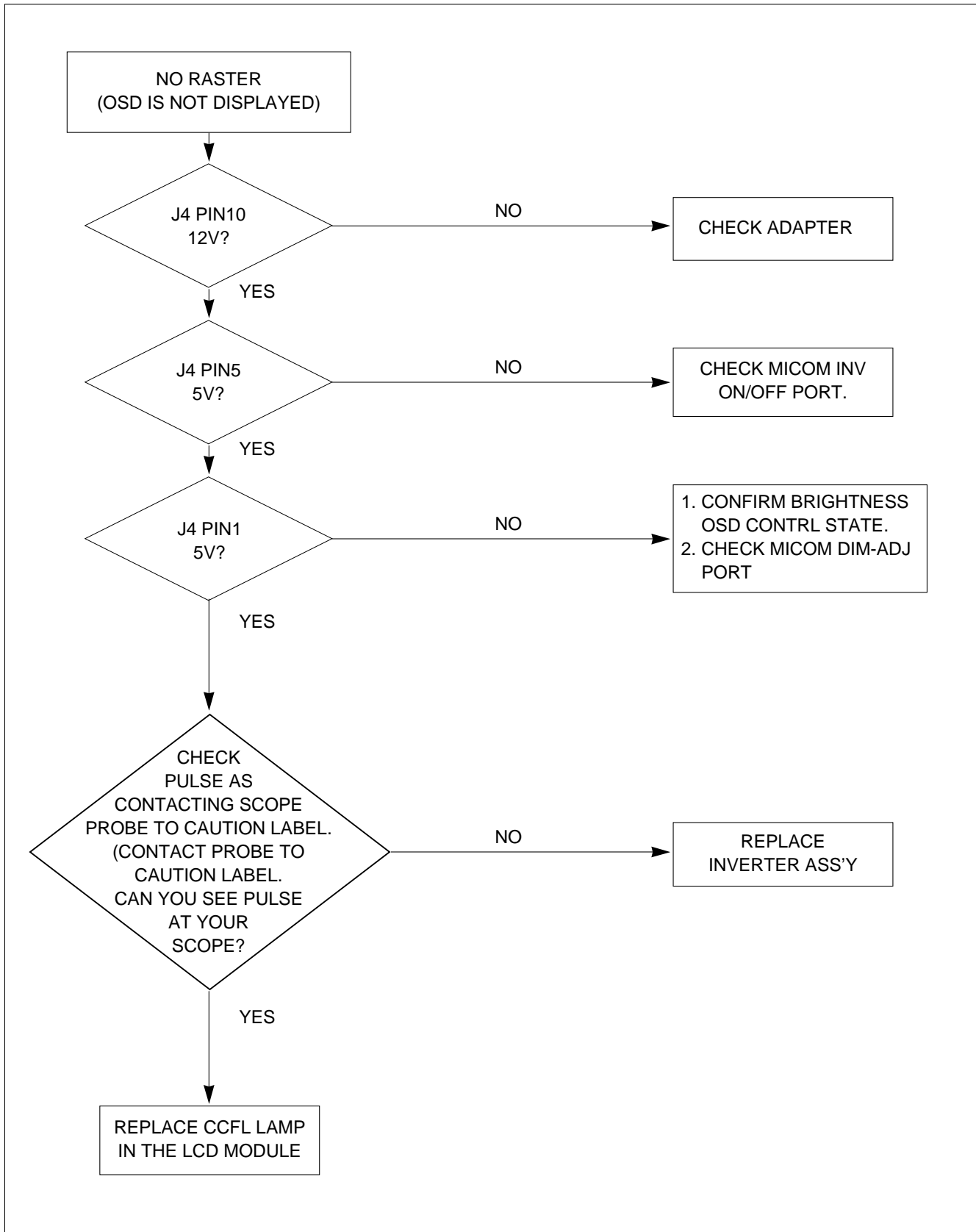
Figure 1. Cable Connection

TROUBLESHOOTING GUIDE

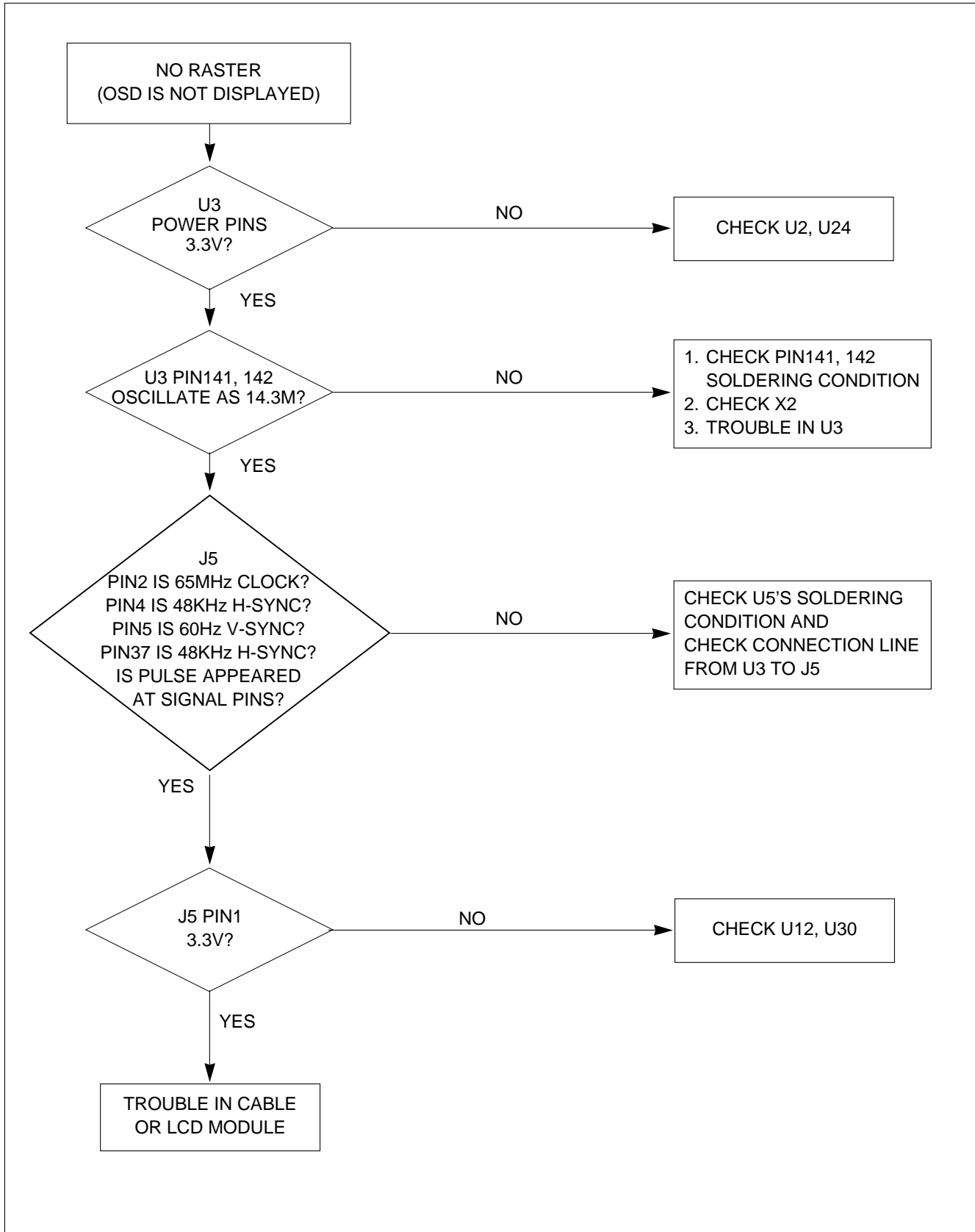
1. NO POWER



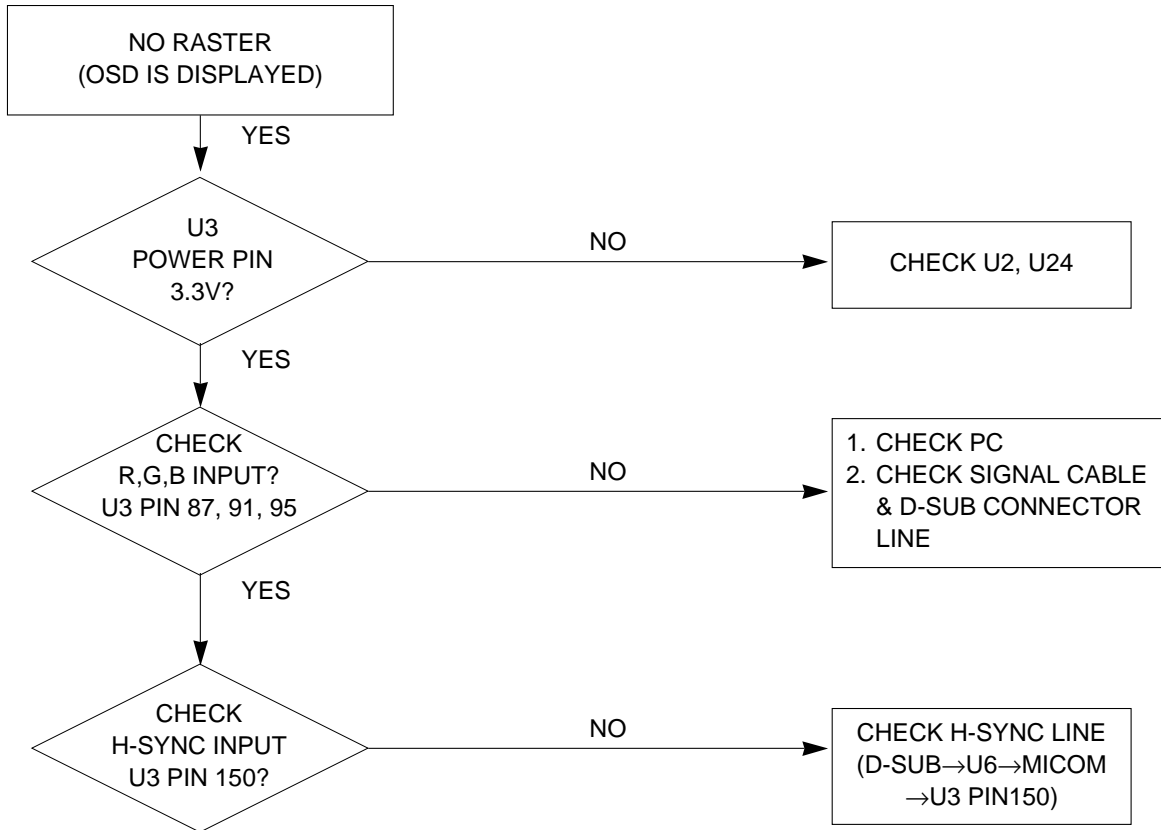
2. NO RASTER (OSD IS NOT DISPLAYED) – INVERTER



3. NO RASTER (OSD IS NOT DISPLAYED) – gmzani

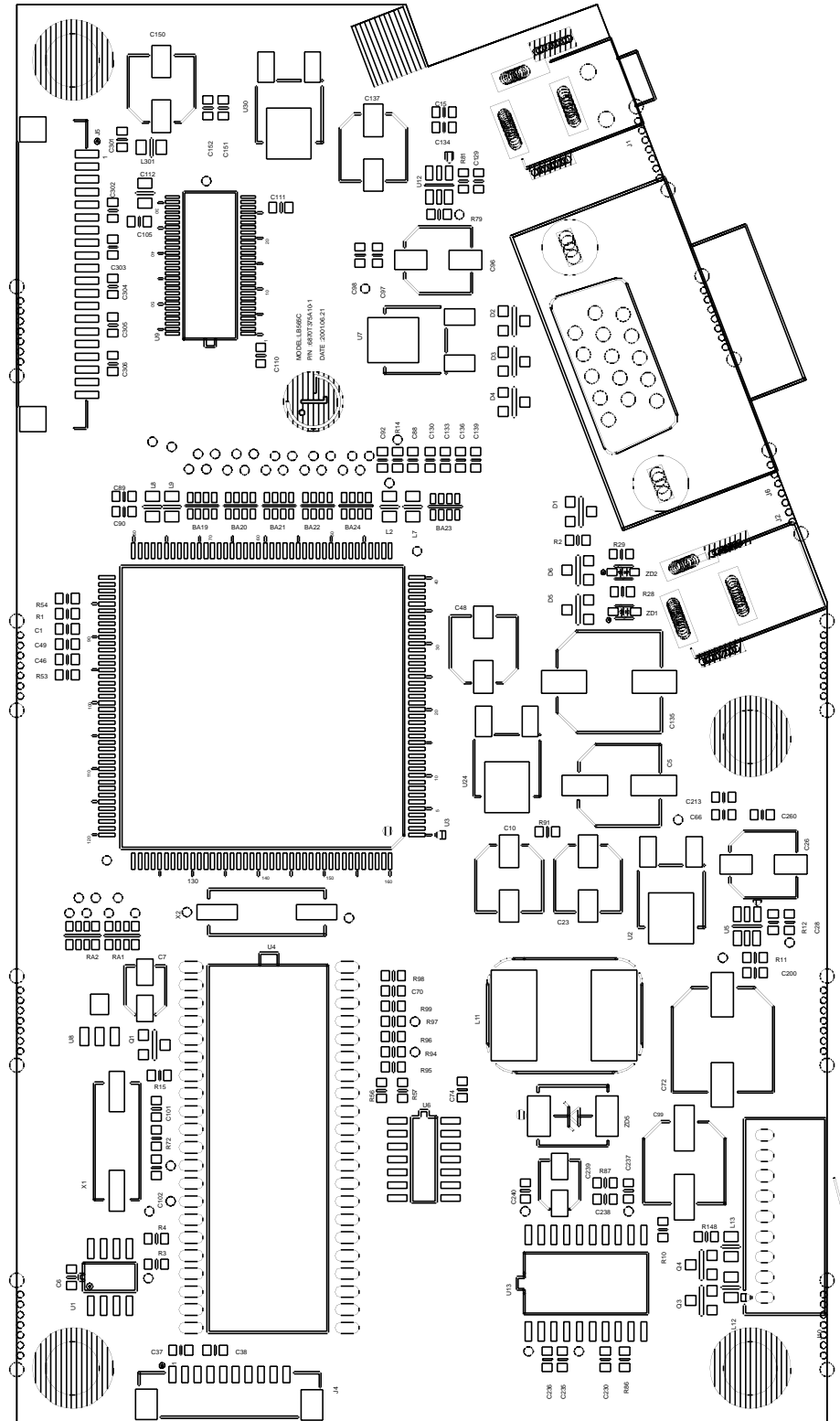


4. NO RASTER (OSD IS DISPLAYED) – gmzani

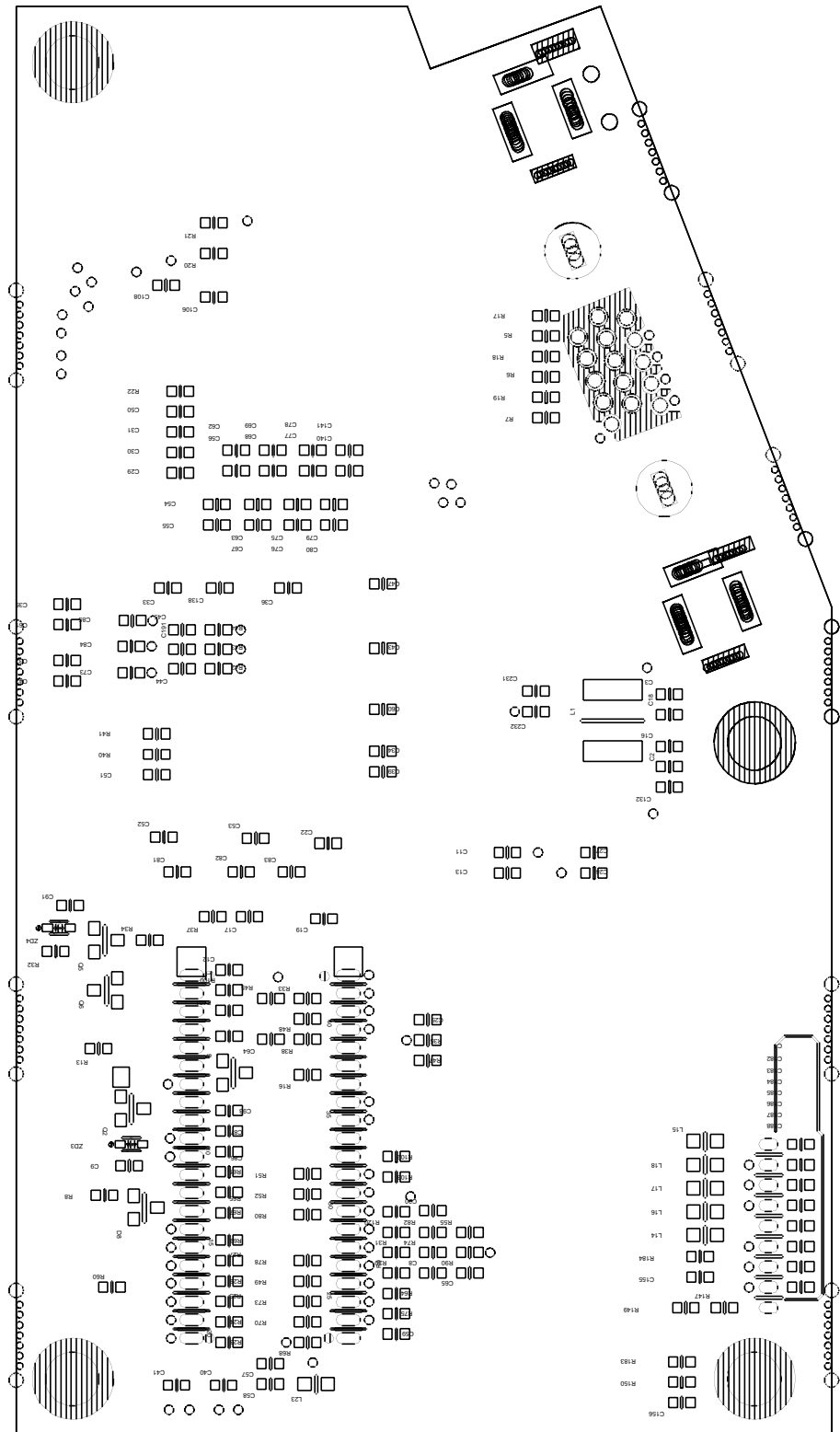


PRINTED CIRCUIT BOARD

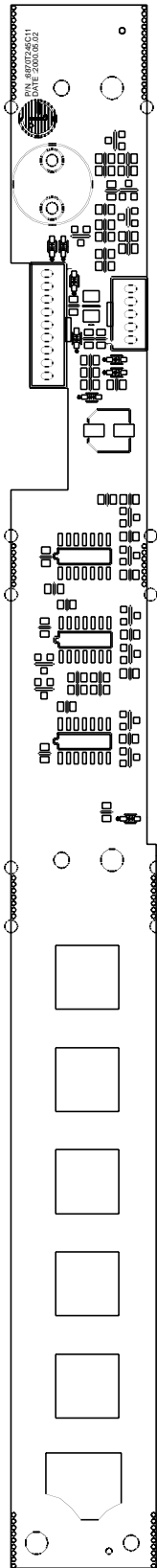
1. MAIN BOARD (Component Side)



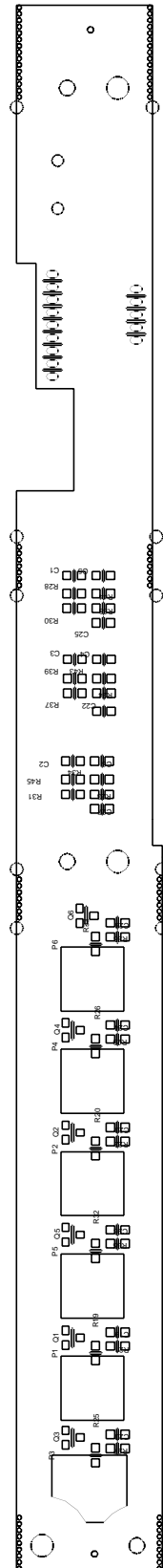
2. MAIN BOARD (Solder Side)



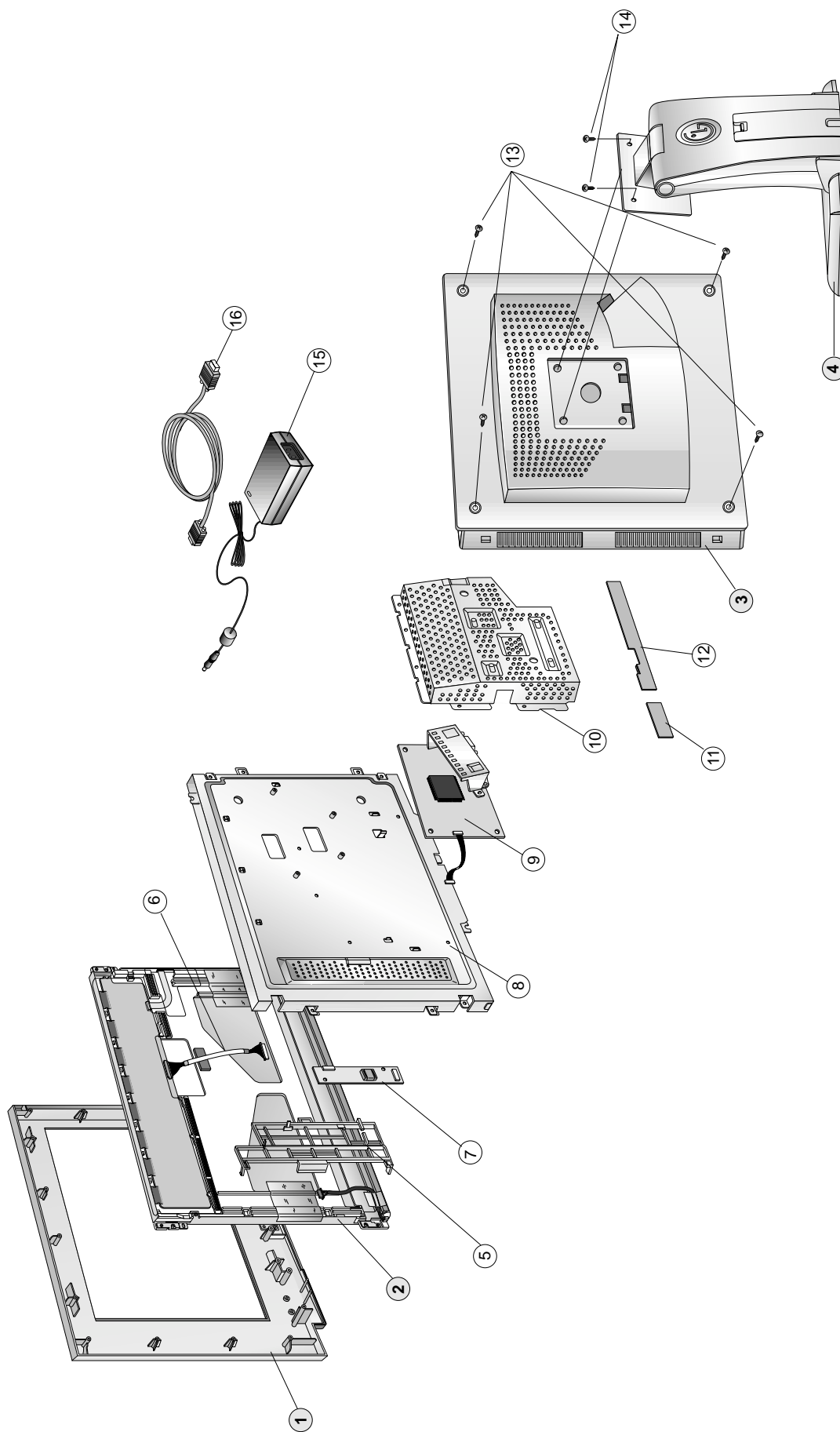
3. CONTROL BOARD (Component Side)



4. CONTROL BOARD (Solder Side)



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

Ref. No.	Part No.	Description
1	3091TKL028B	CABINET ASSEMBLY, LB565C BRAND . 575LE 86698 GRAY COLOR, TCO99
2	6304FTS001A	LCD(LIQUID CRYSTAL DISPLAY), LTM15C443L TOSHIBA 15.0 INCH XGA(1024 X 768) TFT COLOR W/
3	3809TKL010P	BACK COVER ASSY, LB565 3809TKL011 12V (INK)
4	3043TKK057G	TILT SWIVEL ASSY, LB575 . STAND(SBHG-1)
5	4810TKK173A	BRACKET, LB565C SUPPORTER INVERTER
6	6631T11012R	CONNECTOR ASSEMBLY, 20P H-H 120MM UL20276 PANEL LINK CABLE LM567D
	6631T11012N	CONNECTOR ASSEMBLY, 20P H-H 120MM UL20276 LM568E INTERFACE,UNIXTAR FOR JAPAN
7	6633TZA003G	INVERTER ASSEMBLY, SAMSUNG LG1511 LB565C
	6633TZA003F	INVERTER ASSEMBLY, SAMSUNG LG1509 LB563C FOR JAPAN
8	4951TKS072C	METAL ASSEMBLY, FRAME MAIN, LB565C, PEMNUT 4EA
9	3313TL5035A	MAIN TOTAL ASSEMBLY, LB565T BRAND CL-18
10	4950TKK205C	METAL, REAR LB565
11	6871TST244A	PWB(PCB) ASSEMBLY,SUB, LB565A XAGC BRAND POWER KEY TOTAL
12	6871TST243A	PWB(PCB) ASSEMBLY,SUB, LB565A XAGC BRAND SOFT TOUCH TOTAL
13	1BWF0302816	SCREW TAP TITE(B),PAN HEAD WASHER, D3.0 L12.0 MSWR3/(BK)
14	332-105G	SCREW, DRAWING, PVS+4*10(MSWR/BK)
15	6634B00046A	ADAPTER, AC-DC, LSE0107A1236 LISHIN 12V 3.0A FOR LG
	6634TBZ016A	ADAPTER, AC-DCADP-36UB DELTA 12V 3.0A FOR LG FOR JAPAN
16	6866TD9001G	CABLE,D-SUB, UL 2990-9C(7.5) DT 1870MM PANTONE BLUE(661C) LV501A DM
	6866TD9001F	SIGNAL CABLE, UL 2990-9C(7.5) DT 1870MM GRAY(85964) LB500 DM FOR JAPAN

REPLACEMENT PARTS LIST

CAUTION: BEFORE REPLACING ANY OF THESE COMPONENTS, READ CAREFULLY THE **SAFETY PRECAUTIONS** IN THIS MANUAL.

* NOTE : **S** SAFETY Mark **AL** ALTERNATIVE PARTS

DATE: 2002. 4. 29.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
MAIN BOARD				
CAPACITORS				
		C1	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C2	OCC221CK41A	220PF 1608 50V 5% R/TP NP0
		C3	OCC221CK41A	220PF 1608 50V 5% R/TP NP0
		C4	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C5	OCH8107J611	100UF 35V M 85STD(CYL) R/TP
		C6	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C8	OCC101CK41A	100PF 1608 50V 5% R/TP NP0
		C10	OCH8107F611	100UF 16V M 85STD(CYL) R/TP
		C11	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C12	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C13	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C15	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C16	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C17	OCC150CK41A	15PF 1608 50V 5% R/TP NP0
		C18	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C19	OCC150CK41A	15PF 1608 50V 5% R/TP NP0
		C20	OCC101CK41A	100PF 1608 50V 5% R/TP NP0
		C22	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C23	OCH8107F611	100UF 16V M 85STD(CYL) R/TP
		C24	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C25	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C26	OCH8107F611	100UF 16V M 85STD(CYL) R/TP
		C27	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C28	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C29	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C30	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C31	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C32	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C33	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C34	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C35	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C36	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C37	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C38	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C39	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C40	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C41	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C42	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C43	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C44	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C45	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C46	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C47	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C48	OCH8107F611	100UF 16V M 85STD(CYL) R/TP
		C49	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C50	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C51	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C52	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C53	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C54	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C55	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C56	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C57	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C58	OCC221CK41A	220PF 1608 50V 5% R/TP NP0
		C59	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R

DATE: 2002. 4. 29.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C60	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C61	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C62	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C63	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C64	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C65	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C66	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C67	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C68	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C69	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C70	OCC101CK41A	100PF 1608 50V 5% R/TP NP0
		C72	OZZTAT002D	SVP SANYO 10V 270UF M REEL OS-
		C73	OCC220CK41A	22PF 1608 50V 5% R/TP NP0
		C74	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C75	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C76	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C77	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C78	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C79	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C80	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C81	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C82	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C83	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C84	OCC220CK41A	22PF 1608 50V 5% R/TP NP0
		C85	OCC220CK41A	22PF 1608 50V 5% R/TP NP0
		C86	OCC101CK41A	100PF 1608 50V 5% R/TP NP0
		C87	OCC101CK41A	100PF 1608 50V 5% R/TP NP0
		C88	OCC680CK41A	68PF 1608 50V 5% R/TP NP0
		C89	OCC680CK41A	68PF 1608 50V 5% R/TP NP0
		C90	OCC680CK41A	68PF 1608 50V 5% R/TP NP0
		C91	OCC680CK41A	68PF 1608 50V 5% R/TP NP0
		C92	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C93	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C96	OCH8107F611	100UF 16V M 85STD(CYL) R/TP
		C97	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C98	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C99	OCH8227D611	220UF 10V M 85STD (CYL) R/TP
		C101	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C102	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C105	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C106	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C108	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C110	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C111	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C112	OCH6560K416	56PF 50V J NP0 2012 R/TP
		C129	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C130	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C132	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C133	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C134	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C135	OCH8477F611	470UF 16V M 85STD(CYL) R/TP
		C136	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C137	OCH8107F611	100UF 16V M 85STD(CYL) R/TP
		C138	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C139	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C140	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C141	OCC330CK41A	33PF 1608 50V 5% R/TP NP0

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C150	OCH8107F611	100UF 16V M 85STD(CYL) R/TP
		C151	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C152	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C155	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C156	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C182	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C183	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C184	OCC330CK41A	33PF 1608 50V 5% R/TP NP0
		C185	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C186	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C187	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C188	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C191	OCK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5P
		C200	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C213	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C230	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C231	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C232	OCC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C235	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C236	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C237	OCC221CK41A	220PF 1608 50V 5% R/TP NP0
		C238	OCK223CK51A	0.022UF 1608 50V 10% R/TP B(Y5
		C239	OCH8105K611	1UF 50V M 85STD(CYL) R/TP
		C240	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C260	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C301	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C302	OCC150CK41A	15PF 1608 50V 5% R/TP NP0
		C303	OCC150CK41A	15PF 1608 50V 5% R/TP NP0
		C304	OCC150CK41A	15PF 1608 50V 5% R/TP NP0
		C305	OCC150CK41A	15PF 1608 50V 5% R/TP NP0
		C306	OCC150CK41A	15PF 1608 50V 5% R/TP NP0
DIODEs				
		D1	ODS226009AA	KDS226 TP KEC SOT-23 80V 300M
		D2	ODS226009AA	KDS226 TP KEC SOT-23 80V 300M
		D3	ODS226009AA	KDS226 TP KEC SOT-23 80V 300M
		D4	ODS226009AA	KDS226 TP KEC SOT-23 80V 300M
		D5	ODS226009AA	KDS226 TP KEC SOT-23 80V 300M
		D6	ODS226009AA	KDS226 TP KEC SOT-23 80V 300M
		ZD1	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		ZD2	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		ZD4	ODZ910009FE	UDZS 9.1B TP ROHM - - 9.1V - -
		ZD5	ODR340009AA	MBRS340 TP FAIRCHILD NON 40V 3
ICs				
		U1	OICS240813B	CAT24WC08J-TE13 8P,SOIC R/TP 8
		U2	OIRH033200A	BA033FP-E2 MOLD-3 TP REGULATOR
		U3	OIPRPGA001A	GMZAN1A-160P GENESIS MICROCHIP
		U4	OIZZTSZ159A	MYSON DIP 42PIN BK OTP LB565T
		U5	OTF632509AA	FDC6325L TP FAIRCHILD 8V 2.4A
		U6	OIMO741420B	MC74HCT14ADR2 14P,SOIC TP LEVE
		U7	OIRH033200A	BA033FP-E2 MOLD-3 TP REGULATOR
		U8	OIKE704200J	KIA7042AF SOT-89 TP 4.2V VOLTA
		U9	OITH638300B	THC63LVDM83R THINE 56P,TSSOP R
		U12	OTF632509AA	FDC6325L TP FAIRCHILD 8V 2.4A
		U13	OISG497351A	L4973D5.1 SO20 TP 3.5A S/DOWN
		U24	OIRH033200A	BA033FP-E2 MOLD-3 TP REGULATOR
		U30	OIRH033200A	BA033FP-E2 MOLD-3 TP REGULATOR
COILs & COREs				
		L1	6210TCT002C	HF50ACC575018-T TDK ,MM CHIP B
		L2	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L7	6210TCE001P	HB-1S2012-121JT CERATECH 2012M

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		L8	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L9	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L11	6200TEZ003D	TPRH1207-330M BOAM R/TP 33 UH
		L12	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L13	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L14	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L15	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L16	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L17	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L18	6210TCE001P	HB-1S2012-121JT CERATECH 2012M
		L23	6210TCE001S	HU-1M2012-121 CERATECH 2012MM
		L301	6210TCE001S	HU-1M2012-121 CERATECH 2012MM
TRANSISTOR				
		Q1	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q3	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q4	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q5	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q6	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
RESISTORs				
		R1	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R2	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R3	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R4	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R5	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R6	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R7	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R9	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R10	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R11	0RJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R12	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R13	0RJ3301D677	3.3K OHM 1/10 W 5% 1608 R/TP
		R14	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R15	0RJ3301D677	3.3K OHM 1/10 W 5% 1608 R/TP
		R16	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R17	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R18	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R19	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R20	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R21	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R22	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R23	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R24	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R25	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R26	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R27	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R28	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R29	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R30	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R31	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R32	0RJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R33	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R34	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R35	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R37	0RJ2701D677	2.7K OHM 1/10 W 5% 1608 R/TP
		R38	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R40	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R41	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R42	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R43	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R44	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R45	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R47	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R48	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R49	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R51	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R52	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R53	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R54	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R55	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R60	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R61	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R64	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R65	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R67	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R68	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R69	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R70	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R72	0RJ1004D677	1000000 OHM 1/10 W 5% 1608 R/T
		R73	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R74	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R75	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R78	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R79	0RJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R80	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R81	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R82	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R86	0RJ3602D677	36K OHM 1/10 W 5% 1608 R/TP
		R87	0RJ9101D677	9.1K OHM 1/10 W 5% 1608 R/TP
		R90	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R91	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R94	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R96	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R97	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R98	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R99	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		RA1	0RHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP CH
		RA2	0RHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP CH
		R100	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R101	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R102	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R103	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R120	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R147	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R148	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R149	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R150	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
OTHERs				
		J1 X1 X2	6612TAH003A 6202TST003D 6202TST001A	DJ-023 KSD R/ANGLE LB563B HC-49/SM5H KONY CHIP 12 MHZ 30 SX-1 SUNNY ,SMS, 14.31818MHZ ,
CONTROL BOARD				
		B1 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C30	126-005A 0CH6050K116 0CH6050K116 0CH3104K566 0CH3104K566 0CH6050K116 0CH6050K116 0CH3104K566 0CH6050K116 0CH3104K566 0CH6050K116 0CH3104K566	PKM13EPP-4002-B0 MURATA PIEZO 5PF 50V D NPO 2012 R/TP 5PF 50V D NPO 2012 R/TP 0.1UF 50V K X 2012 R/TP 0.1UF 50V K X 2012 R/TP 5PF 50V D NPO 2012 R/TP 5PF 50V D NPO 2012 R/TP 0.1UF 50V K X 2012 R/TP 5PF 50V D NPO 2012 R/TP 0.1UF 50V K X 2012 R/TP 5PF 50V D NPO 2012 R/TP 0.1UF 50V K X 2012 R/TP

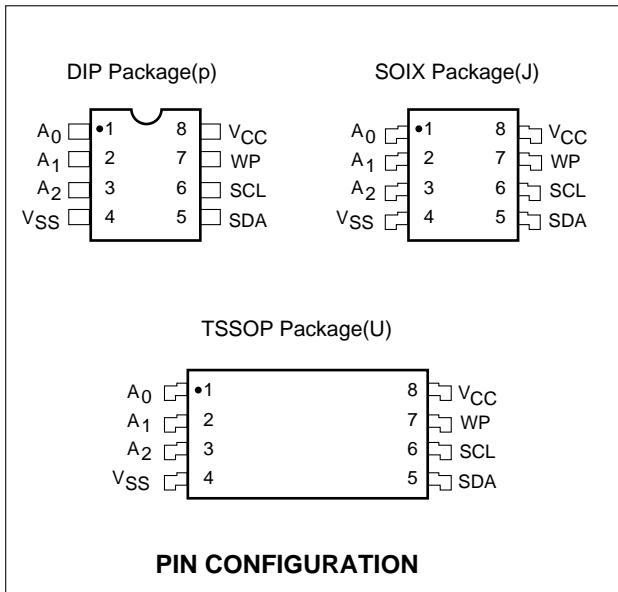
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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C31	0CH3104K566	0.1UF 50V K X 2012 R/TP
		C32	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C33	0CH3104K566	0.1UF 50V K X 2012 R/TP
		C34	0CH3104K566	0.1UF 50V K X 2012 R/TP
		C35	0CH3104K566	0.1UF 50V K X 2012 R/TP
		C36	0CH3103K516	10000PF 50V K B 2012 R/TP
		C37	0CH3103K516	10000PF 50V K B 2012 R/TP
		C38	0CH3103K516	10000PF 50V K B 2012 R/TP
		C39	DCH7106F621	10UF 16V M 3528MM TP(-)
		C42	0CH3104K566	0.1UF 50V K X 2012 R/TP
		J10	6602T20008D	SMW200-05 YEONHO 2.0MM LOCK S/
		J11	6602T20009D	SMAW200-05 YEONHO 2.0MM LOCK R
		J4	6602T20008H	SMW200-09 YEONHO 2.0MM LOCK S/
		L1	6210TCT002B	ACB2012M-300-TDK , CHIP BEAD
		LD1	0DL305029BA	LTL-305DJ-0C2 TP LITEON GREEN/
		Q1	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q10	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
		Q11	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
		Q12	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
		Q13	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
		Q14	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
		Q15	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
		Q16	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q17	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
		Q18	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q19	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
		Q2	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q3	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q4	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q5	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q6	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		Q8	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
		Q9	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP S
		R1	0RH4701D622	4.7K 1/10W 5 D.R/TP
		R19	0RH2402D622	24K OHM 1 / 10 W 2012 5.00% D
		R2	0RH1000D622	100 1/10W 5 D.R/TP
		R20	0RH2402D622	24K OHM 1 / 10 W 2012 5.00% D
		R21	0RH3902D622	39K 1/10W 5 D.R/TP
		R22	0RH4702D622	47K 1/10W 5 D.R/TP
		R23	0RH1002D622	10K OHM 1 / 10 W 2012 5.00% D
		R24	0RH1002D622	10K OHM 1 / 10 W 2012 5.00% D
		R25	0RH2402D622	24K OHM 1 / 10 W 2012 5.00% D
		R26	0RH2402D622	24K OHM 1 / 10 W 2012 5.00% D
		R27	0RH2402D622	24K OHM 1 / 10 W 2012 5.00% D
		R28	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R29	0RH3602D622	36K 1/10W 5 D.R/TP
		R3	0RH1000D622	100 1/10W 5 D.R/TP
		R30	0RH1002D622	10K OHM 1 / 10 W 2012 5.00% D
		R31	0RH1002D622	10K OHM 1 / 10 W 2012 5.00% D
		R32	0RH2402D622	24K OHM 1 / 10 W 2012 5.00% D
		R33	0RH2402D622	24K OHM 1 / 10 W 2012 5.00% D
		R34	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R35	0RH3902D622	39K 1/10W 5 D.R/TP
		R36	0RH3002D622	30K 1/10W 5 D.R/TP
		R37	0RH1002D622	10K OHM 1 / 10 W 2012 5.00% D
		R38	0RH1002D622	10K OHM 1 / 10 W 2012 5.00% D
		R39	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R41	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R42	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R43	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R44	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R45	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R46	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R47	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R48	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R49	0RH4701D622	4.7K 1/10W 5 D.R/TP

DATE: 2002. 4. 29.

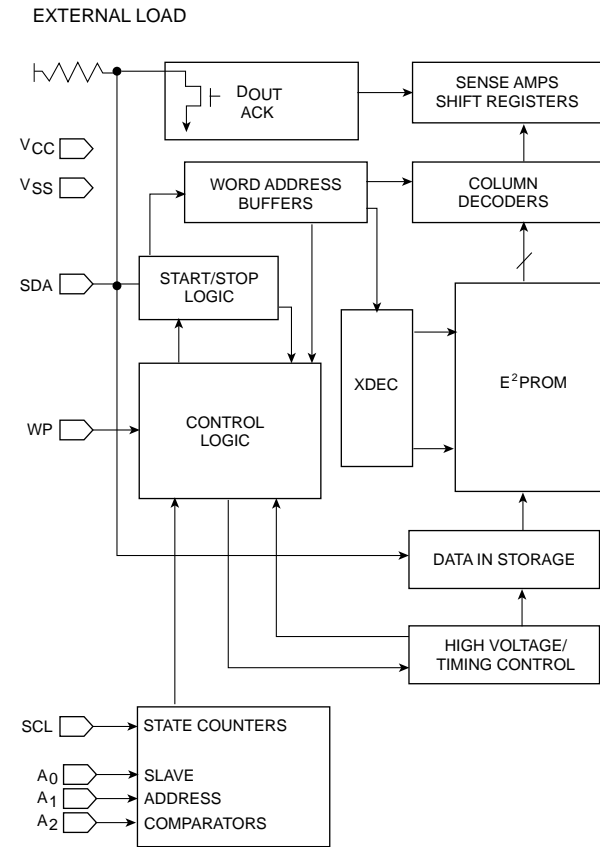
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R50	0RH1502D622	15K 1/10W 5 D.R/TP
		R51	0RH1502D622	15K 1/10W 5 D.R/TP
		R52	0RH8200D622	820 1/10W 5 D.R/TP
		R53	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00% D
		R54	0RH2201D622	2.2K 1/10W P-TYPE TAPPING
		R55	0RH8200D622	820 1/10W 5 D.R/TP
		R56	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00% D
		R57	0RH4701D622	4.7K 1/10W 5 D.R/TP
		R58	0RH4702D622	47K 1/10W 5 D.R/TP
		R59	0RH1000D622	100 1/10W 5 D.R/TP
		R61	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00% D
		R62	0RH2200D622	220 1/10W 5 D.R/TP
		R63	0RH2200D622	220 1/10W 5 D.R/TP
		R66	0RH4700D622	470 1/10W 5 D.R/TP
		R67	0RH1000D622	100 1/10W 5 D.R/TP
		R73	0RH4701D622	4.7K 1/10W 5 D.R/TP
		R74	0RH4700D622	470 1/10W 5 D.R/TP
		S10	140-058E	SKHV10910B LGEC NON 12V 20A HO
		U6	0IPH401300B	HEF4013BT 14SOP TP DUAL D FLIP
		U7	0IPH401300B	HEF4013BT 14SOP TP DUAL D FLIP
		U8	0IPH401300B	HEF4013BT 14SOP TP DUAL D FLIP
		ZD1	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		ZD2	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		ZD3	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		ZD4	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		ZD5	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		ZD6	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		ZD7	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20
		ZD8	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 20

PIN CONFIGURATION

CAT24WC08J-TE13 8P



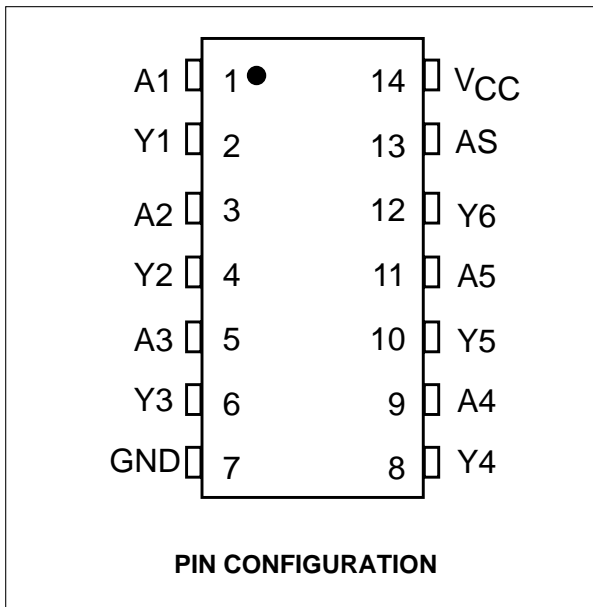
BLOCK DIAGRAM



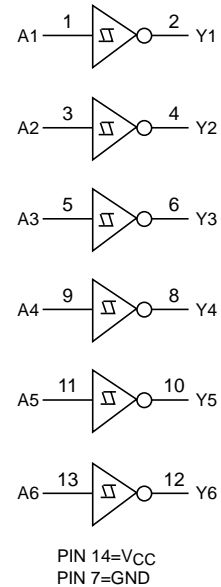
PIN FUNCTION

Pin Name	Function
A ₀ , A ₁ , A ₂	Device Address Inputs
SDA	Serial Data/Address
SCL	Serial Clock
WP	Write Protect
V _{cc}	+1.8V to +6.0V power Supply
V _{ss}	Ground

MC74HCT14ADR2 14P

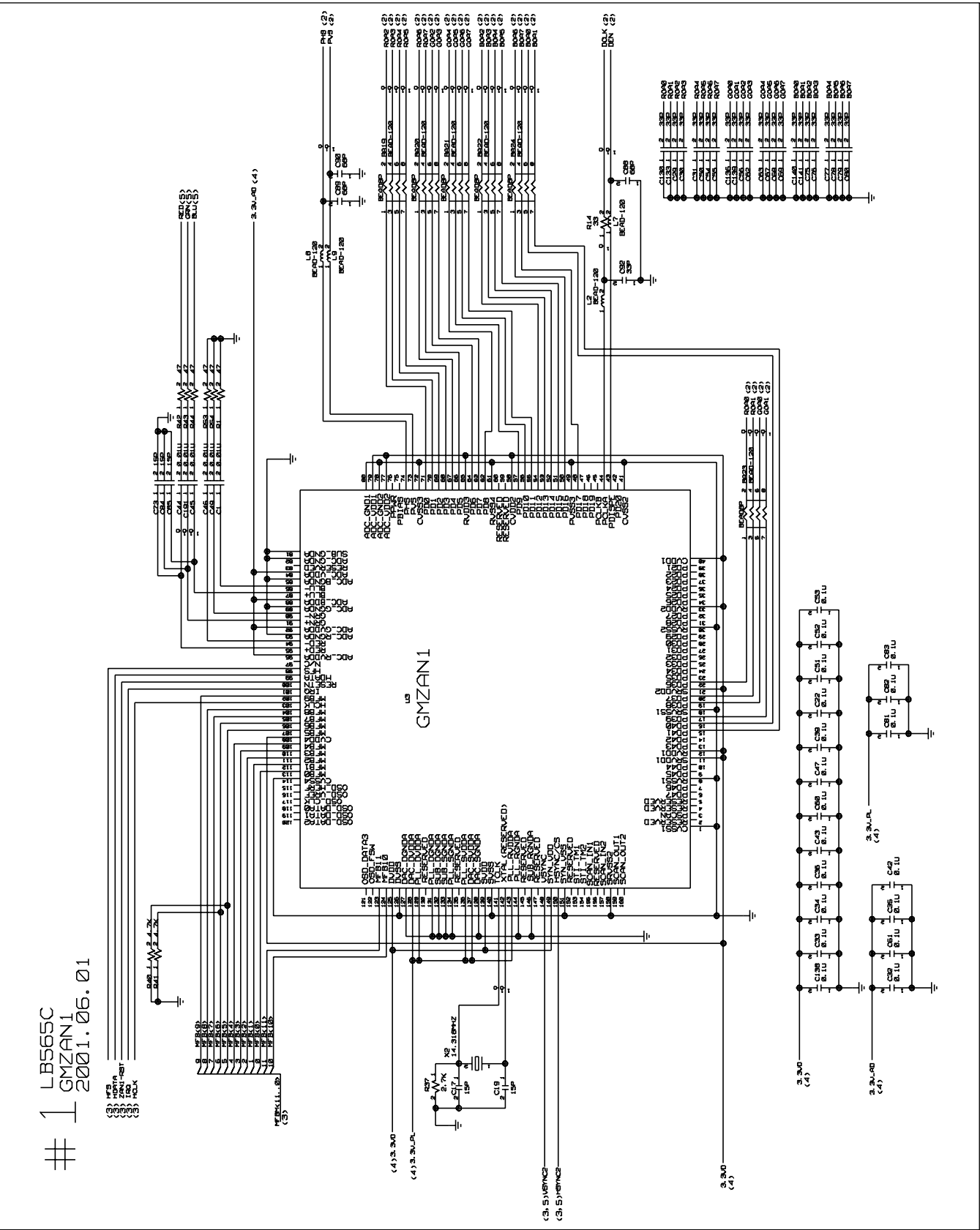


BLOCK DIAGRAM



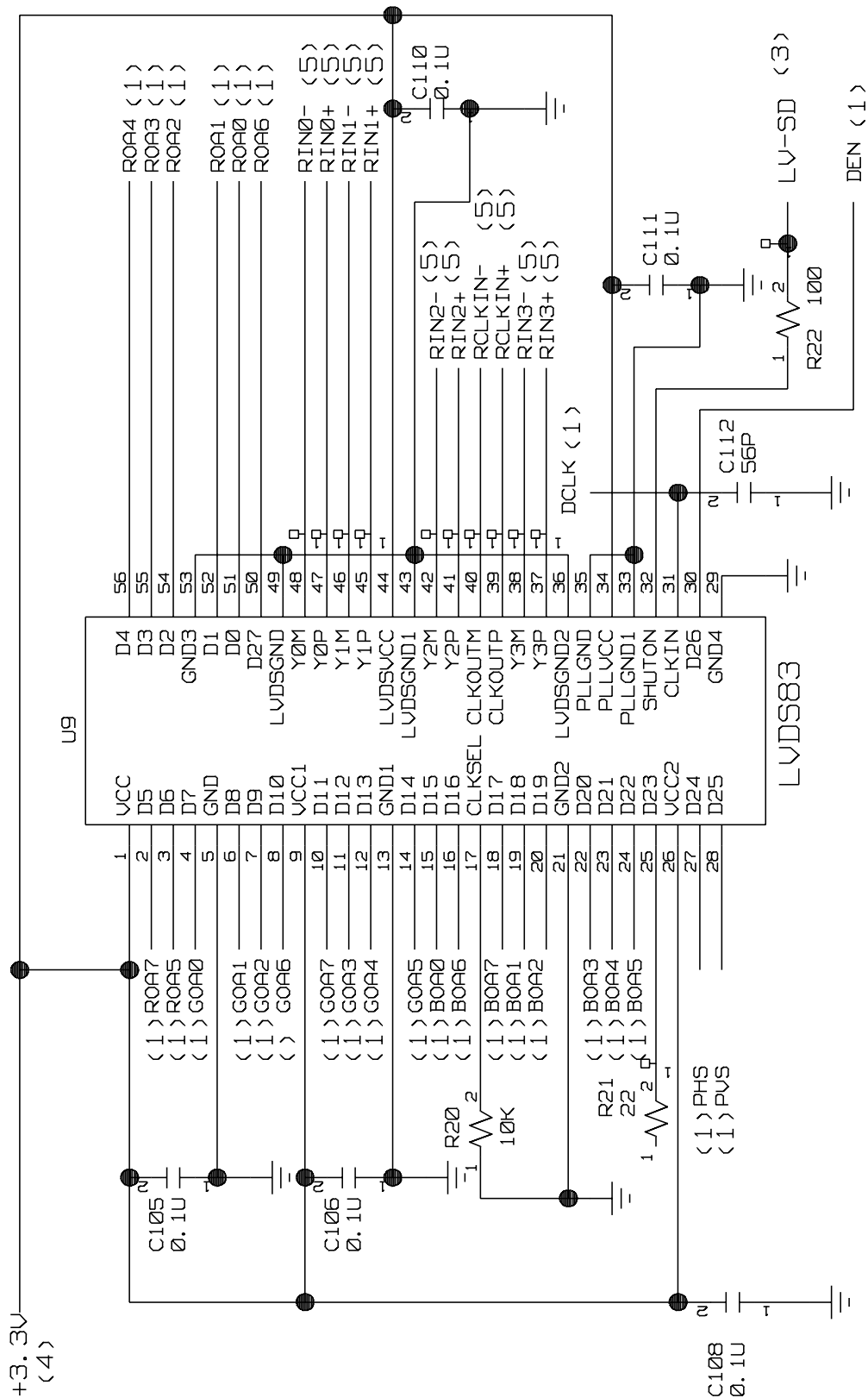
SCHEMATIC DIAGRAM

1. GMZAN1



2. LVDS

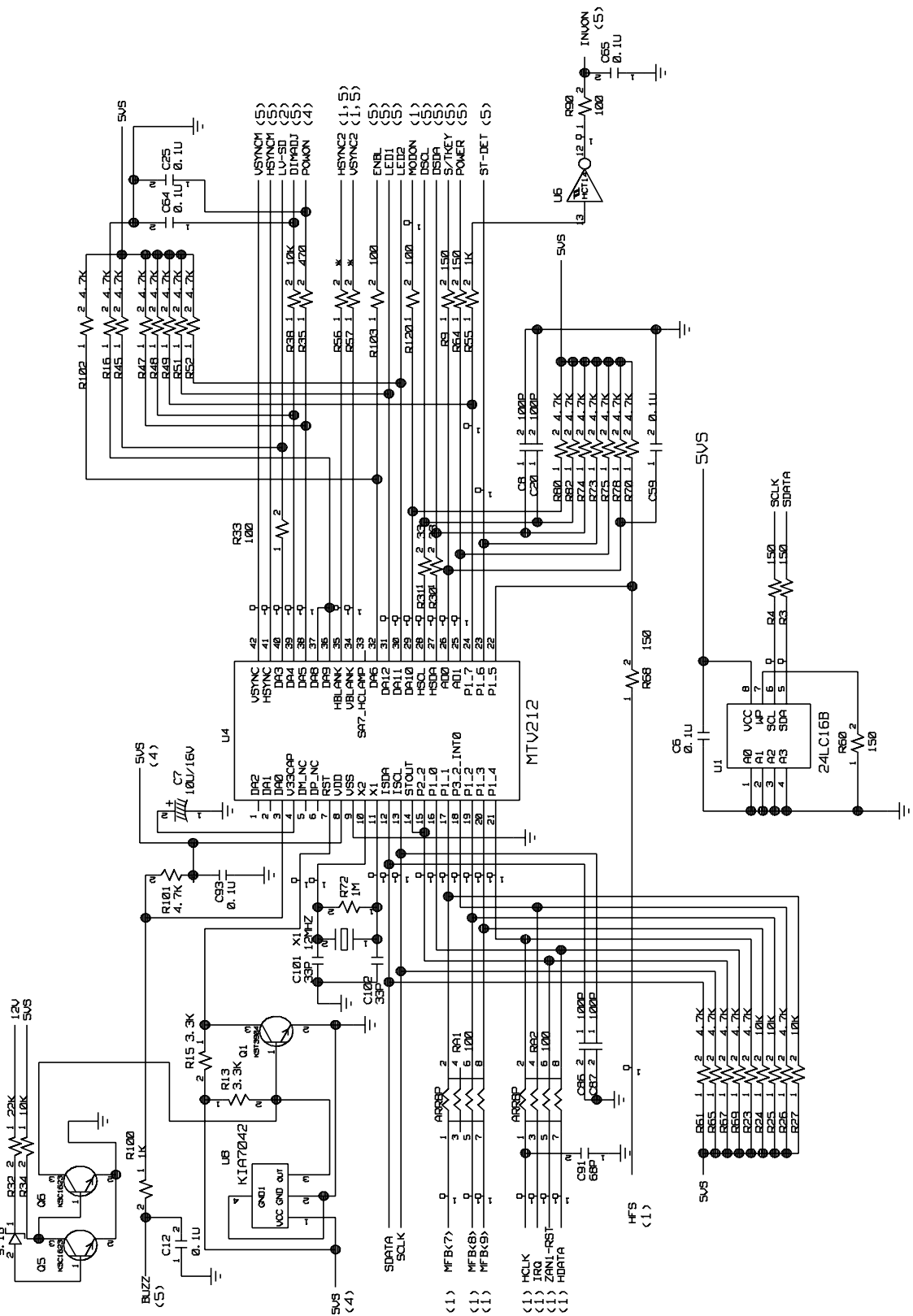
#2 LB565C
LVDS
2001.06.01



3. MICOM

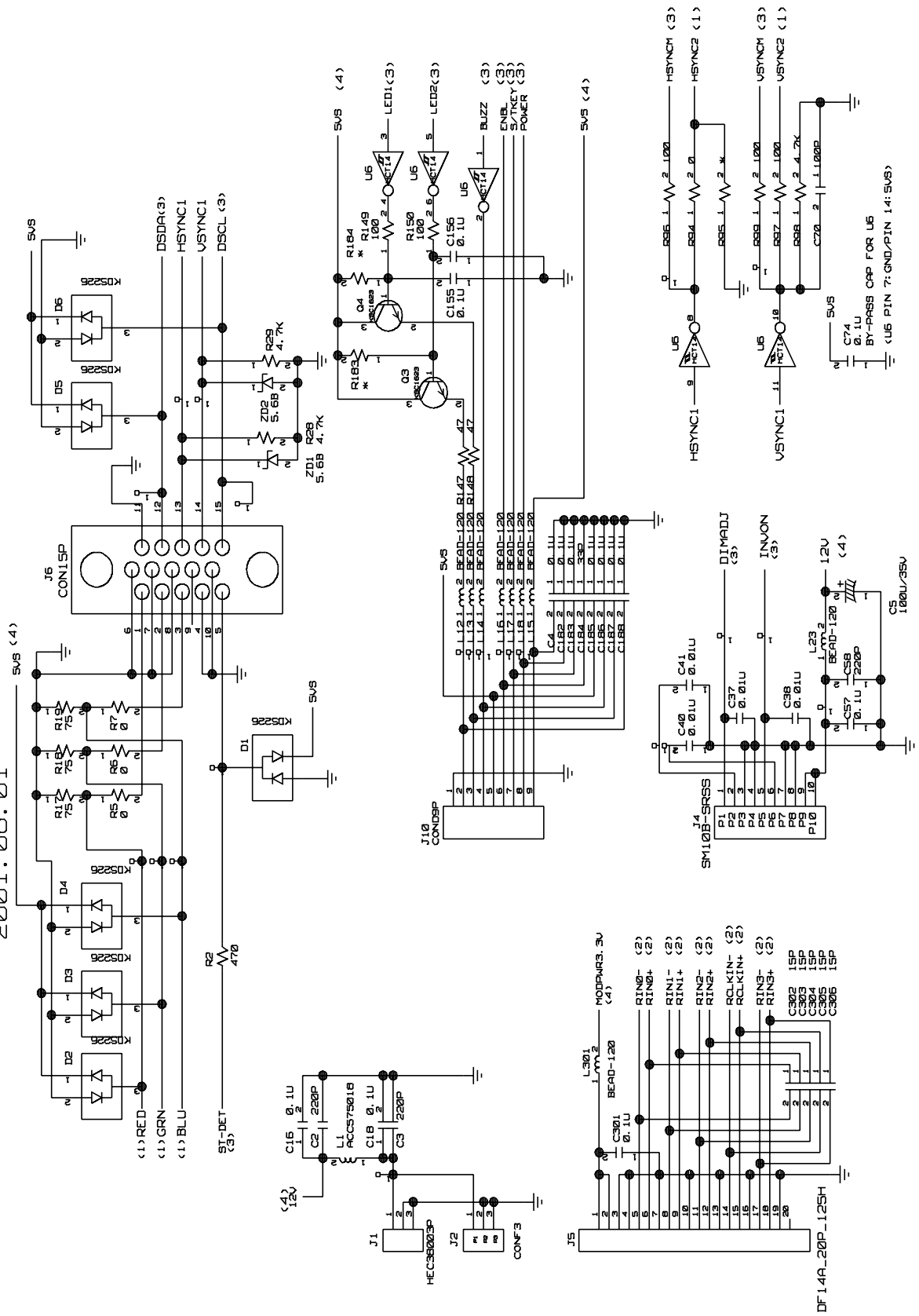
#3 LB565C
MICOM

2001.06.01

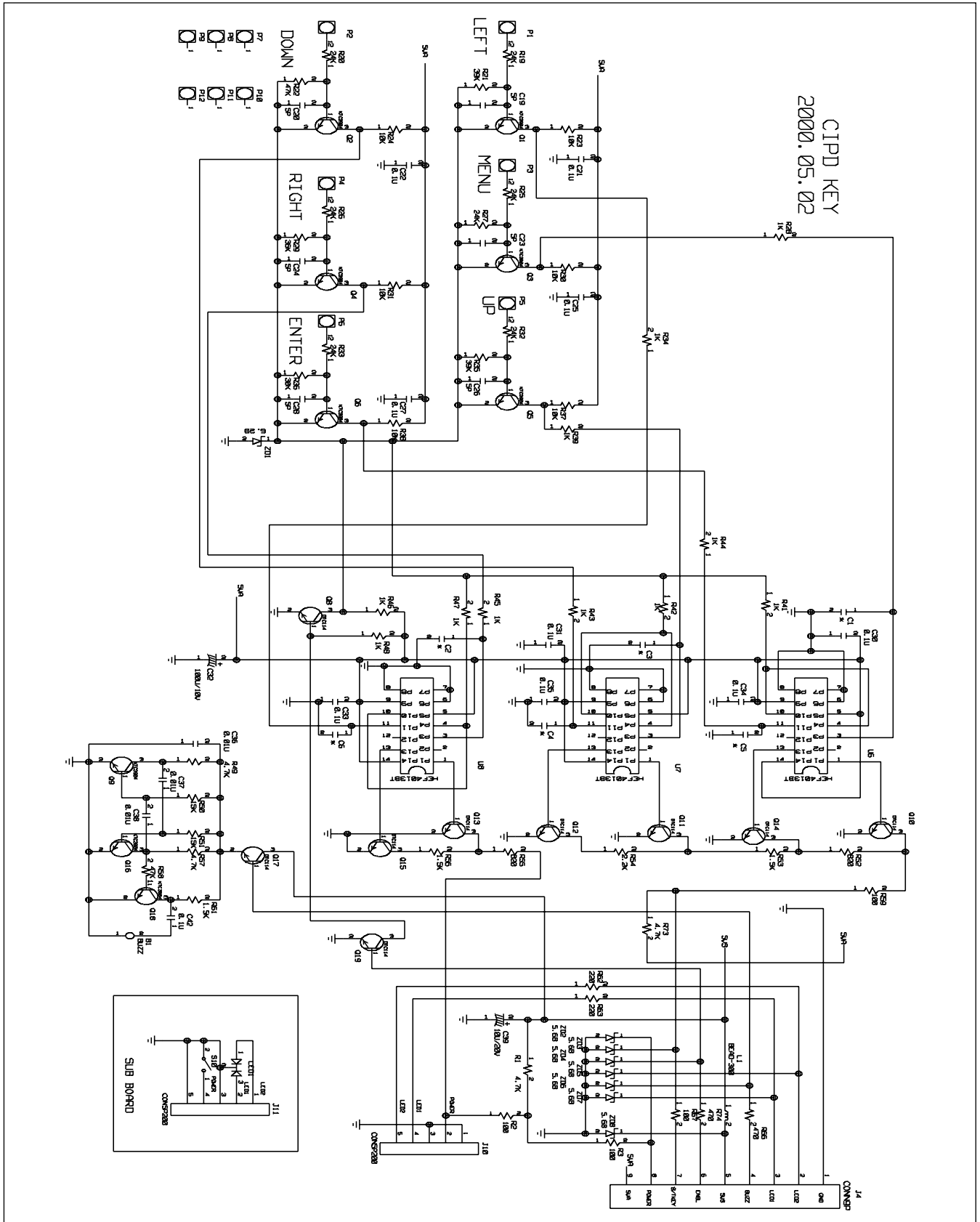


5. CONNECTOR & JACKS

#5 LB565C CONNECTOR & JACKS 2001.06.01



6. KEY CONTROL





P/NO : 3828TSL072L

Apr. 2002
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