

Service
Service
Service



Service Manual

Horizontal Frequency
30-65 kHz

TABLE OF CONTENTS

Description	Page	Description	Page
Table Of Contents.....	1	6.Schematic.....	17
Revision List.....	2	6.1.Main Board.....	17
Important Safety Notice.....	3	6.2.Power Board.....	21
1.Monitor Specification.....	4	6.3.Key Board.....	23
2.LCD Monitor Description.....	5	7.PCB Layout.....	24
3.Operation Instruction.....	6	7.1.Main Board.....	25
3.1.General Instructions.....	6	7.2.Power Board.....	26
3.2.Control Button.....	6	7.3.Key Board.....	27
3.3.Adjusting the Picture.....	6	8.Maintainability.....	28
4.Input/Output Specification.....	9	8.1.Equipments and Tools Requirement.....	29
4.1.Input Signal Connector.....	9	8.2.Trouble Shooting.....	30-35
4.2.Factory Preset Display Modes.....	10	9.White-Balance Luminance adjustment.....	36
4.3.Panel Specification.....	10	10.Monitor Exploded View.....	38
5.Block Diagram.....	12	11.BOM List.....	39-51
5.1.Software Flow Chart.....	13		
5.2.Electrical Block Diagram.....	15		

SAFETY NOTICE

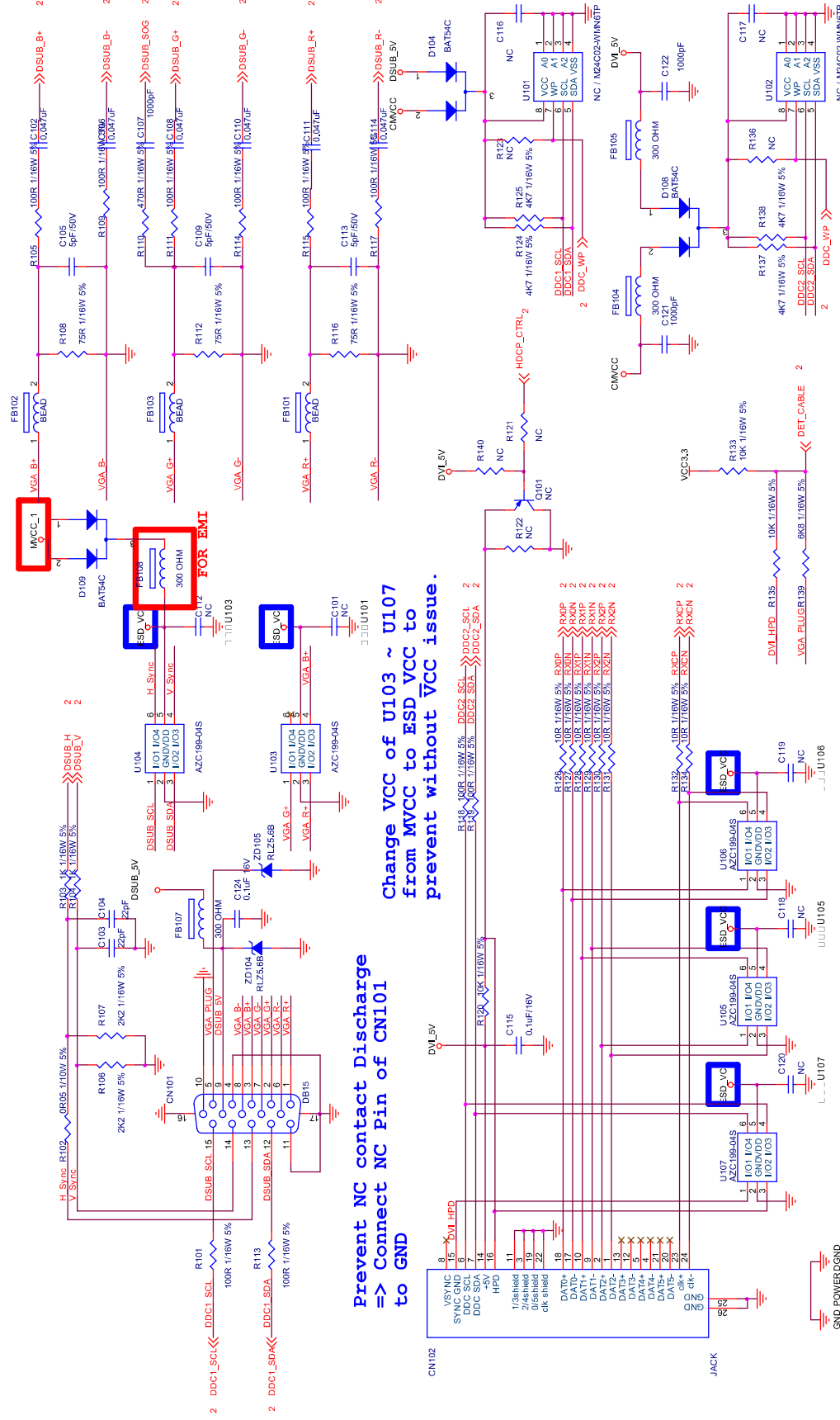
ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

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

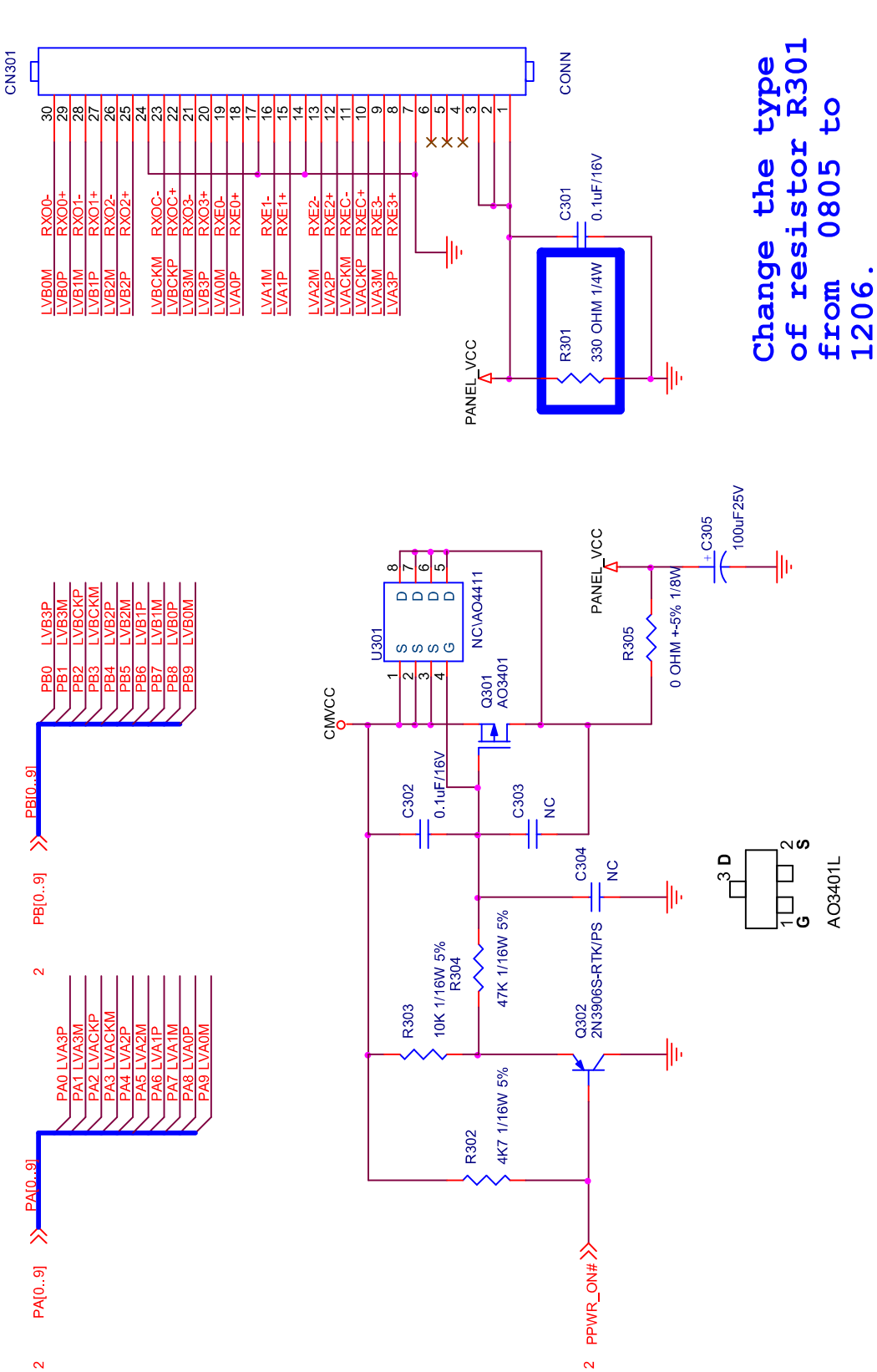
6. Schematic

6.1 Main Board

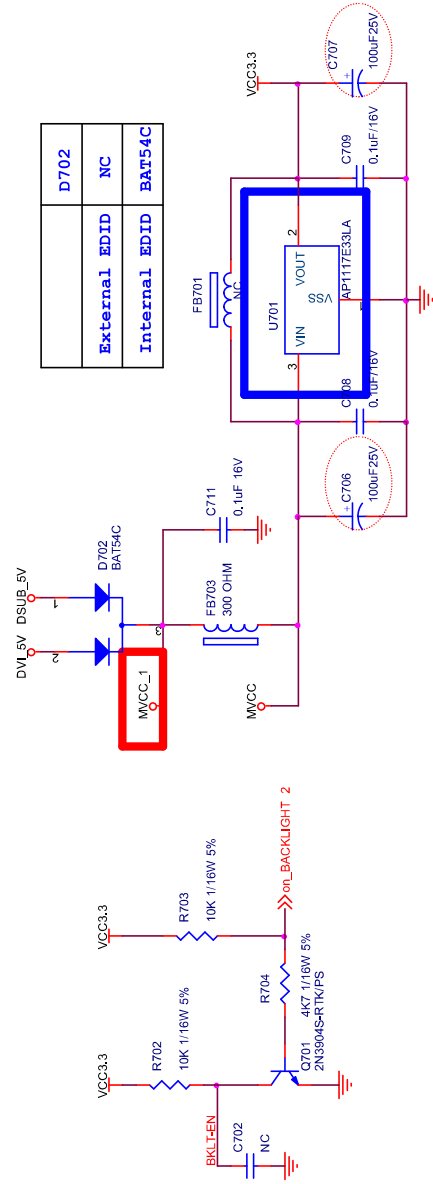
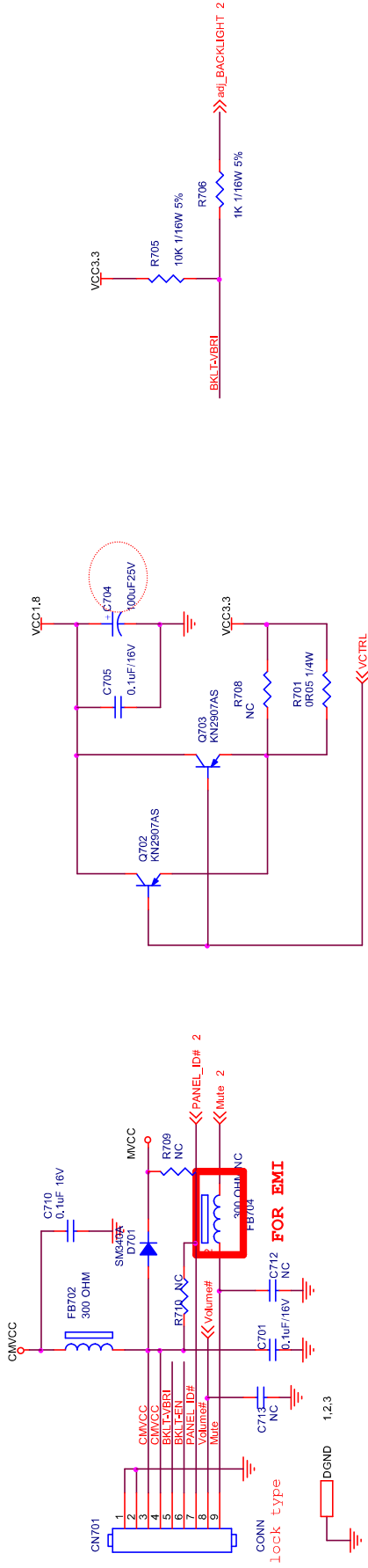
715G2883 1 6



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	B
□ □ □ □	TPV MODEL	Rev	1C
G2882-C-3x11-00025	TPV MODEL		
Key Component	PCB NAME		
2,0INPUB	PCB NAME		
Date	Sheet	2 of 6	< - >
Thursday, January 26, 2006			



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Lenovo L197 wide	Size	A
G2883-1c-3-X-11-080825	TPV MODEL	T9RAM6D8LWGNHC	Rev	1C
Key Component	PCB NAME			
Date	Tuesday, August 26, 2008	Sheet	3 of 6	<□□>



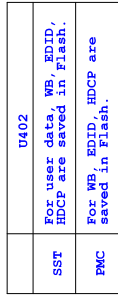
Both 223 and 252
foot-print

	R701	R708	U701
TSUM5PFHL	0R05 1/4W	NC	223
TSUMU58EHL	NC	3.3 OHM 2W	223
TSUMO58CWL	NC	3.3 OHM 2W	252

D702	NC
External EDID	NC
Internal EDID	BAT54C

TPV (Top	Victory Electronics Co., Ltd.)	OEM MODEL	Lenovo L197 wide	Size	B
	G2883-IC-3-X-1-080825	TPV MODEL	TSRAM6DLVGNHC	Rev	1C
Key Component	4.0.POWER	PCB NAME			
Date	Tuesday, August 26, 2008	Sheet	4 of 6		< >

Lenovo D1960W



	U402
010A	Befor AOC ID2007 OSD
020A	For ID2008

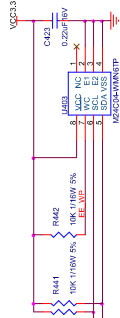
X'TAL
Normal Function : CL = Cs + (Cg*Cd) / (Cg+Cd))

	Internal EDID	External EDID
R406	NC	22K 1/16W 5%
R407	NC	10K 1/16W 5%
C416	NC	0.1uF/16V
Q401	NC	2N3904S-RTK/PS
R423	NC	10K 1/16W 5%
R136	NC	10K 1/16W 5%

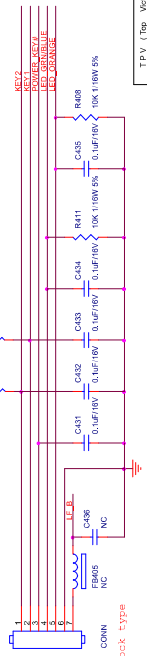
```

Max condition for LED:
1. Vcc = 3.3 V
2. Current = 12 mA
FW need to be
modified.

```



	U403	R440	R441	R442	C423
SST For user data, WB, EDID are saved in Flash.	NC	NC	NC	NC	NC
DWC For WB, EDID are saved in Flash.	M24C04	10K 1/16W 5%	10K 1/16W 5%	10K 1/16W 5%	0.22uF/16V



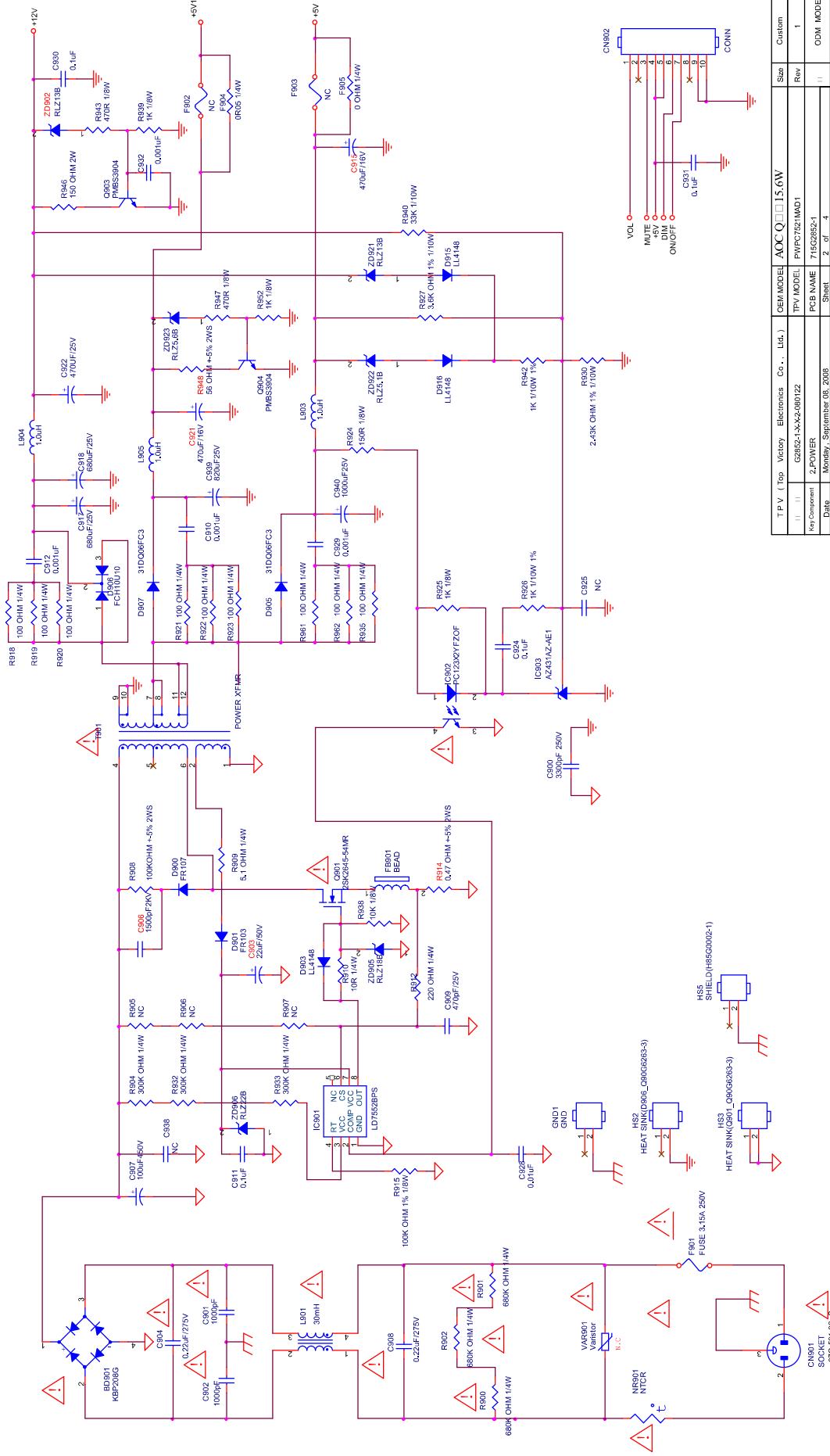
	CN402	FB405 and C436
For Normal	WAFER 2.0MM 6P	NC
For Philips	WAFER 2.0MM 7P	According to EMI

TPV (Top Victory Electronics Co., Ltd.)	CEM MODEL	Size	C
1. G2883-C-5-4-1-600025	TPV MODEL	Rev	1C
Key Component: 5.0 SCALER	TPV MODEL PCB NAME	Rev	1C
Date Tuesday, August 26, 2008	5. of 6	Rev	1C

18.5" LCD Color Monitor 6.2 Power Board

Lenovo D1960W

715G2852 3 4

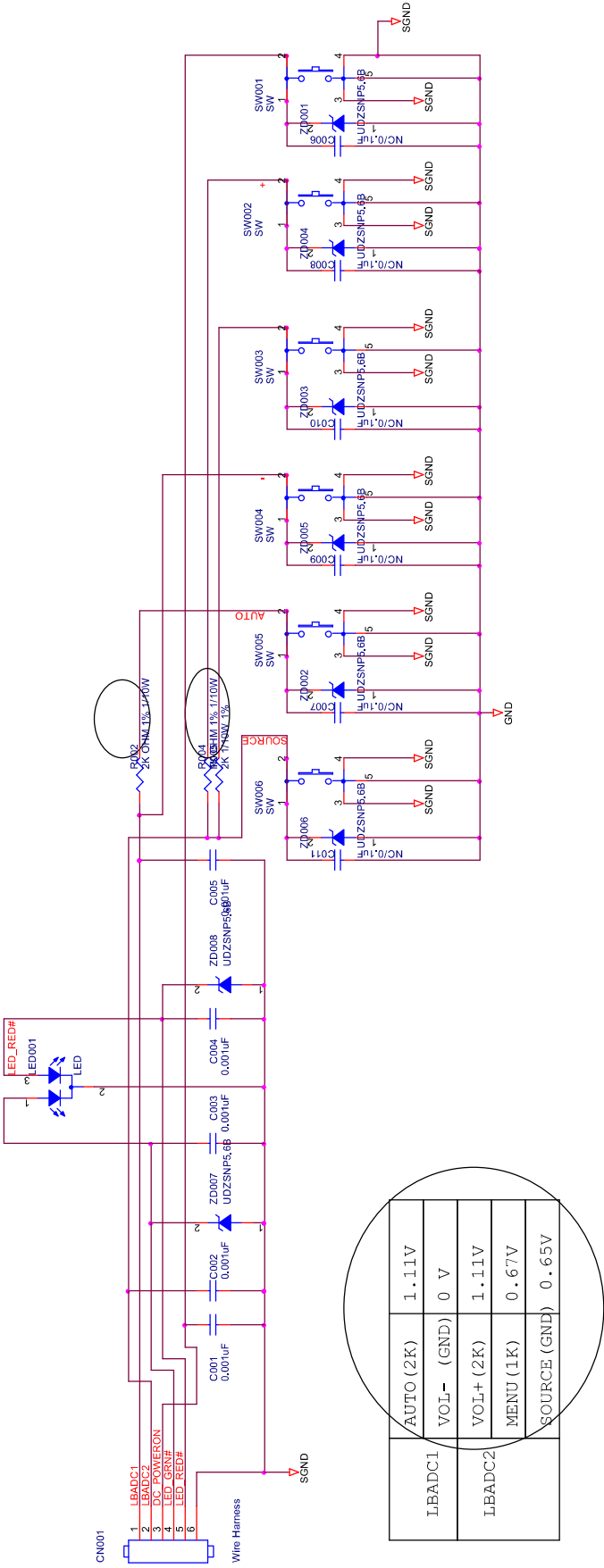


Lenovo D1960W



715G3362-B

715G3362-B



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Lenovo D18SW	Size	B
G3362-LXX-148118	TPV MODEL	SMTEPC8/C8	Rev	1
Key Component	PCB NAME	715G3362-1		
Date	Tuesday, November 18, 2008	Sheet	2 of 2	