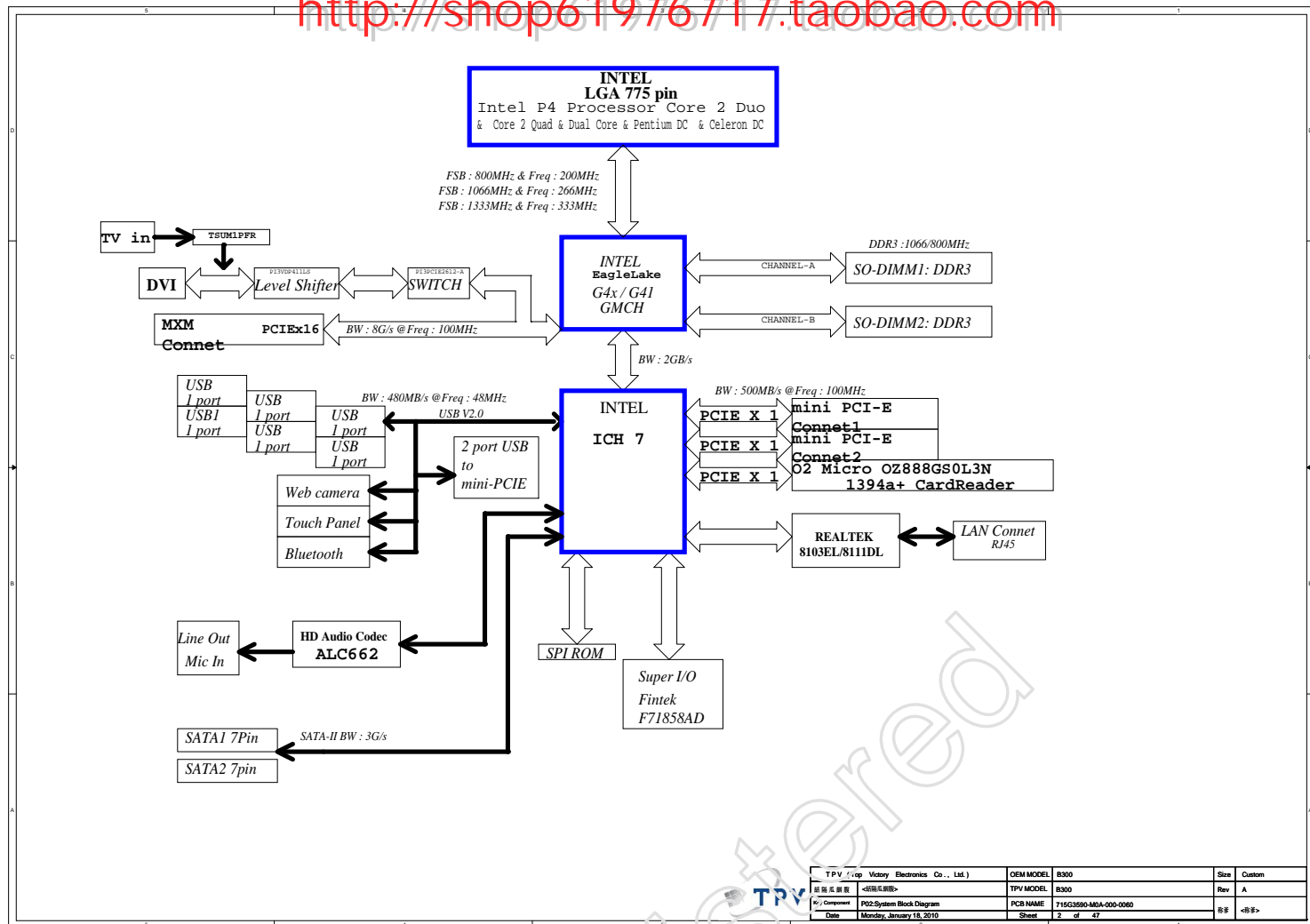


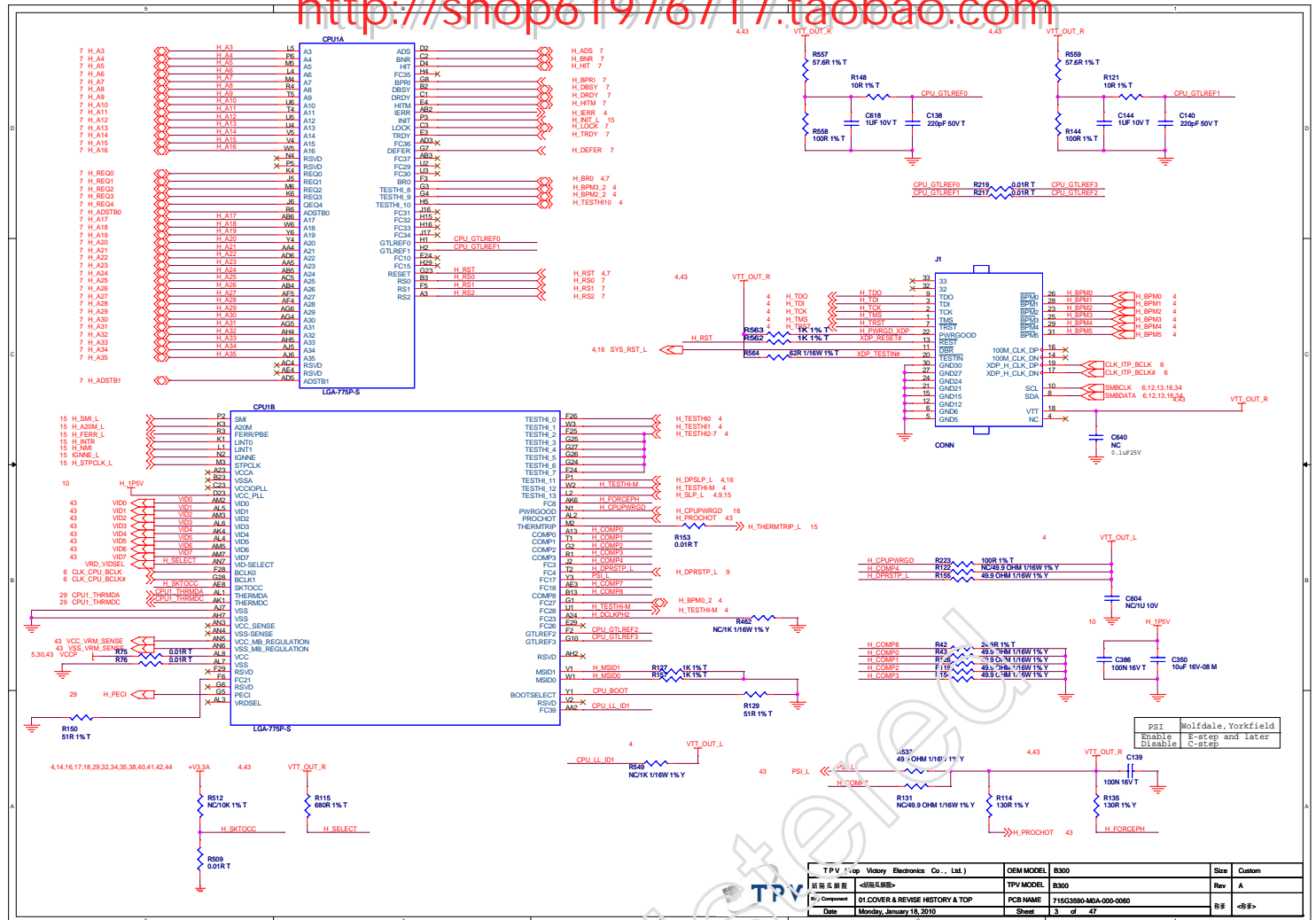
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D		D	
C		C	
B		B	
A		A	
5		1	

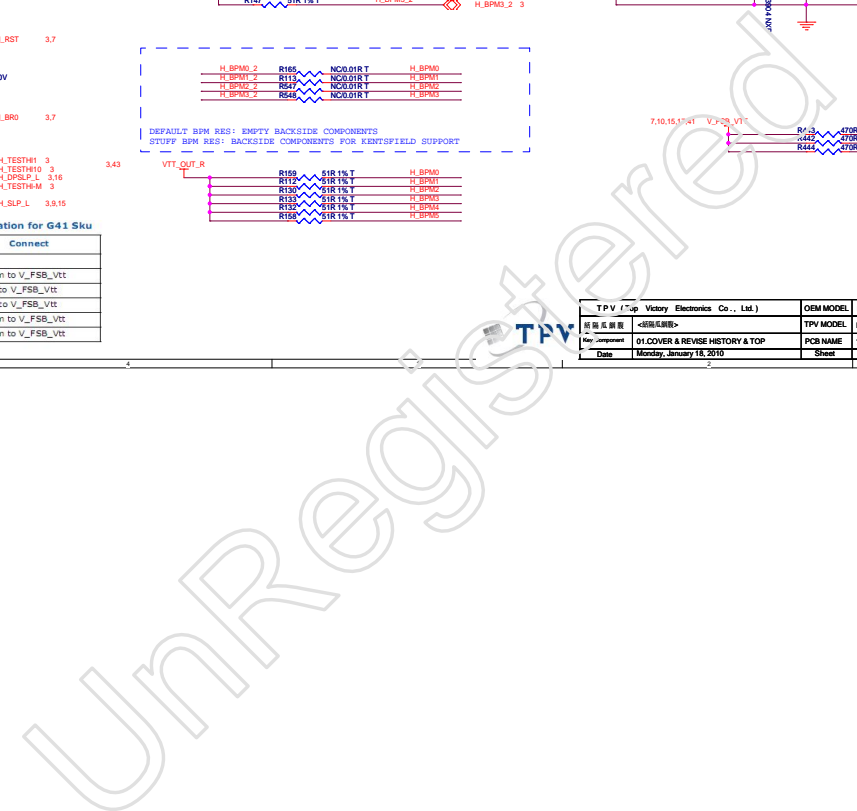


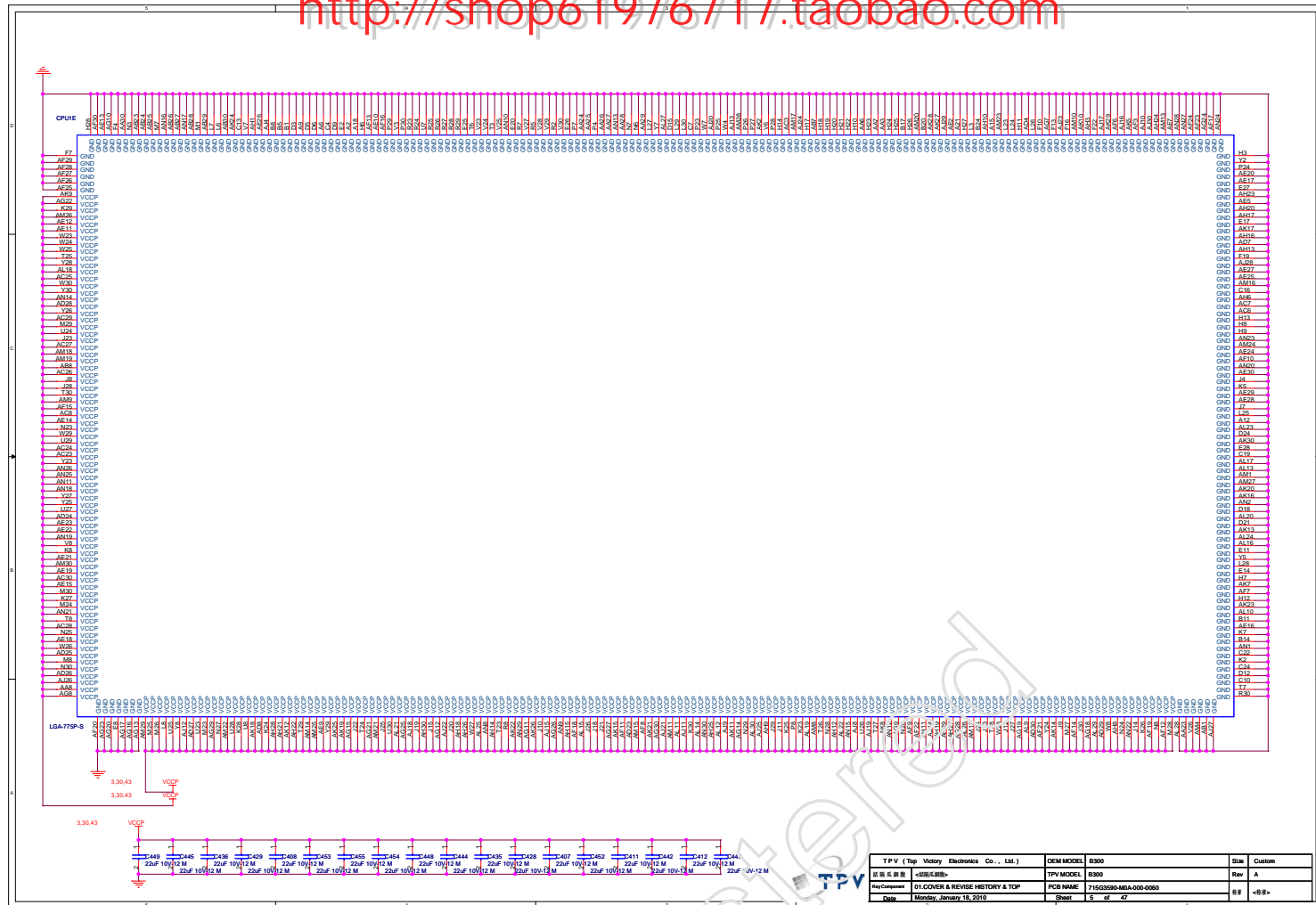
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	B300	Size	B
結構圖式 <結構圖式>		TPV MODEL	B300	Rev	A
Key Component	P01<OVER SHEET>	PCB NAME	715G3590-MDA-000-0060		
Date	February 18, 2010	Sheet	1 of 47	Figure	<Figure>

UnRegistered

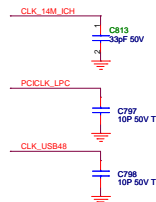






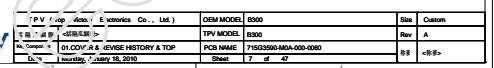


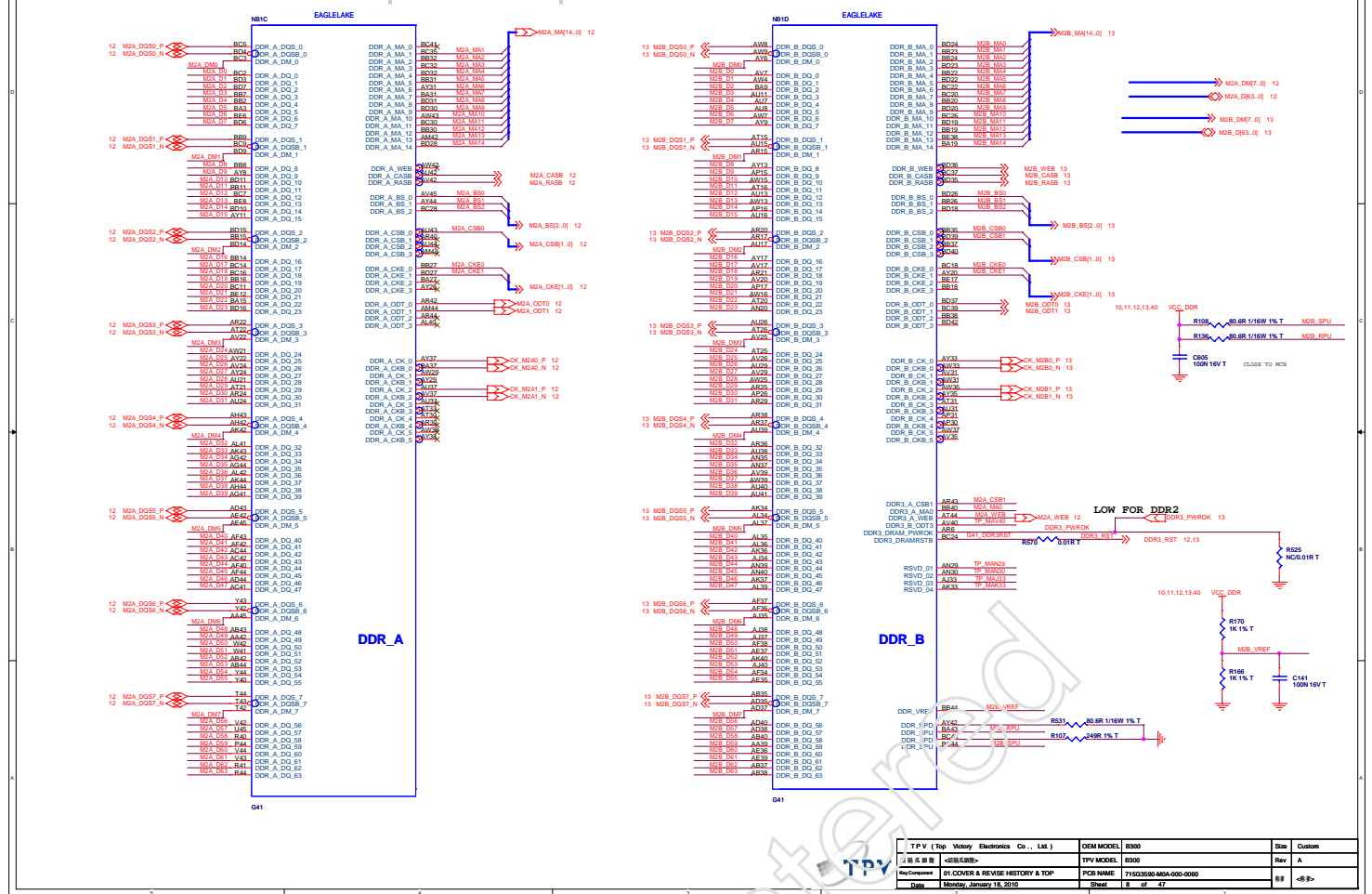
TPV (Top Victory Electronics Co., Ltd.)	DEM MODEL	S390	Size	Custom
TPV MODEL	S390	Rev	A	
RevComment	S1 COVER & REVISE HISTORY & TOP	PCB NAME	715G3580-MMA-000-0060	Rev
Date	Monday, January 18, 2010	Sheet	5 of 47	<Rev>



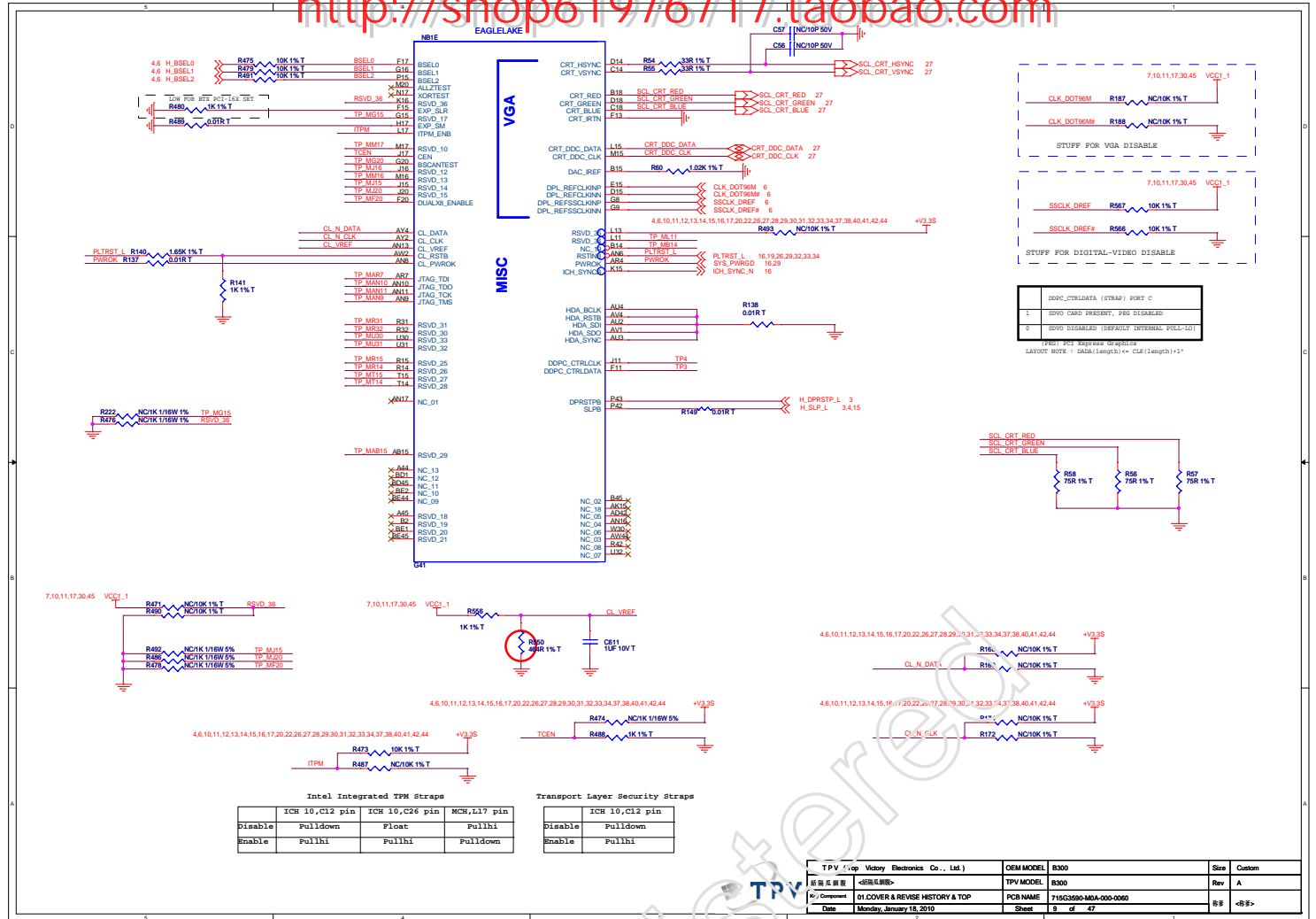
CPU, MEM and I/O CLK FREQUENCY SELECTION TABLE			
FSC	FSB	FSR	Host Clock Frequency MHz
BSEL0	BSEL1	BSEL2	
0	1	1	166
0	1	0	200
0	0	0	266

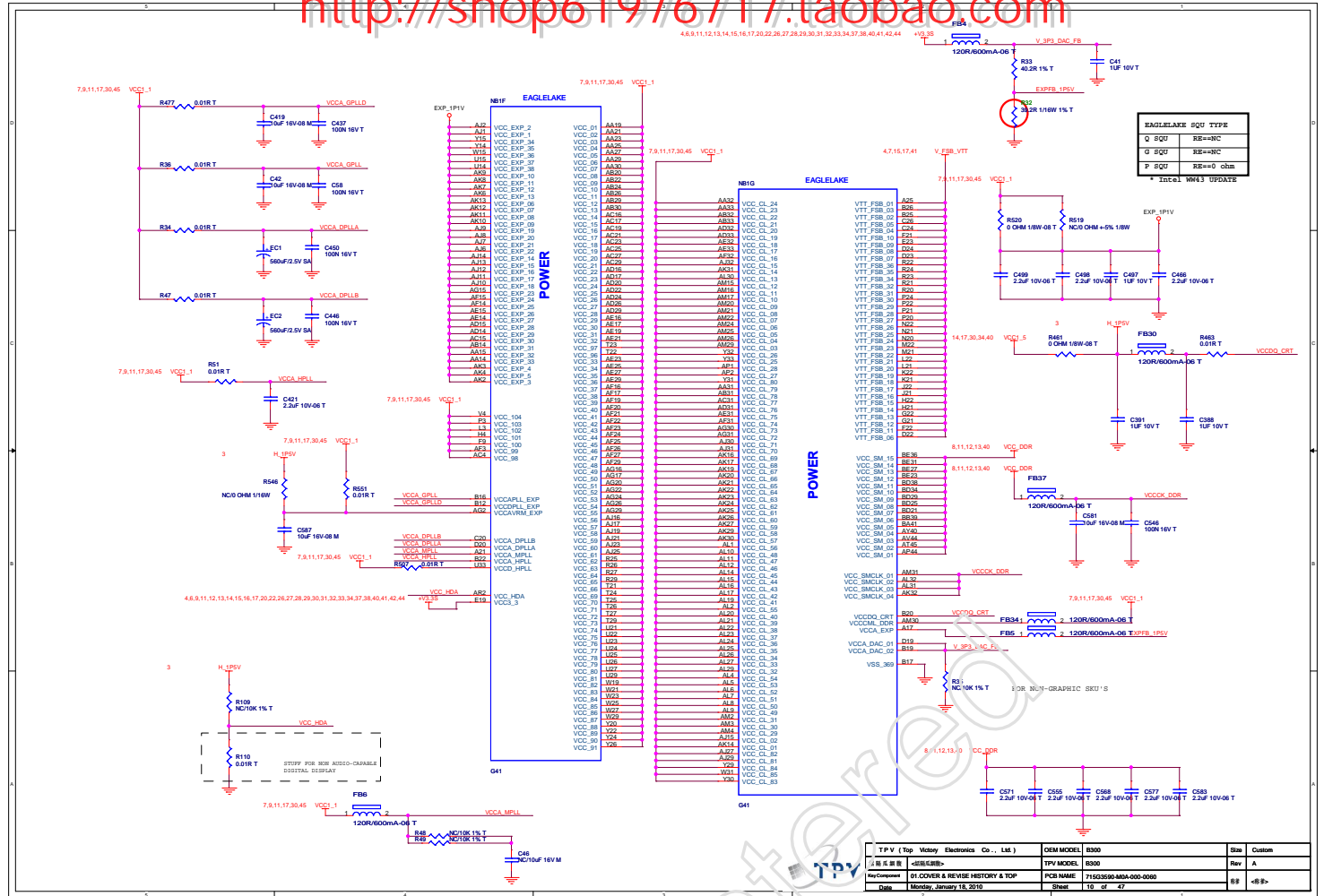
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	A3
新通風網板 <新隔風網板>	TPV MODEL	B300	Rev	A
Key Component	01.COVER & REVISE HISTORY & TOP	PCB Name	715G3690-M0A-000-0060	
Drawn	Monday, January 18, 2010	Sheet	6 of 47	密字 <密字>

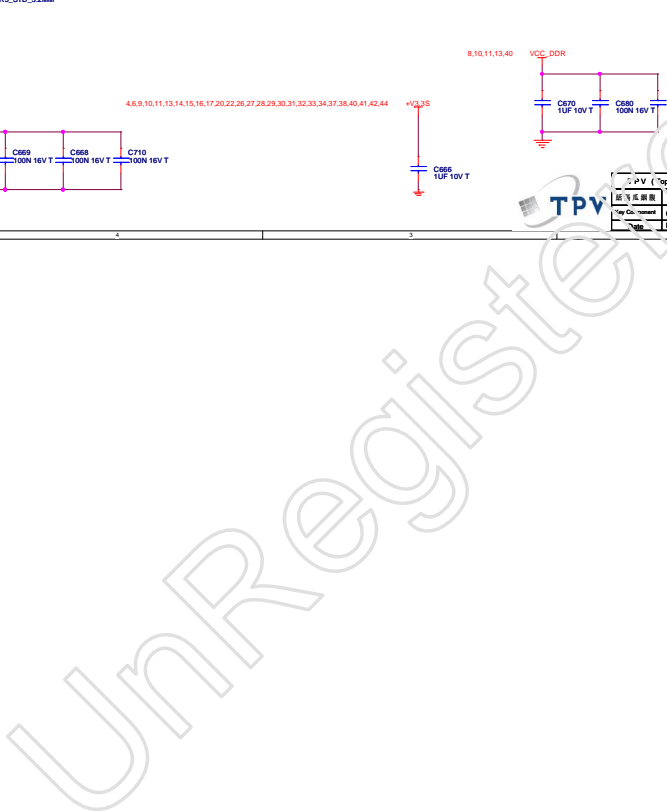


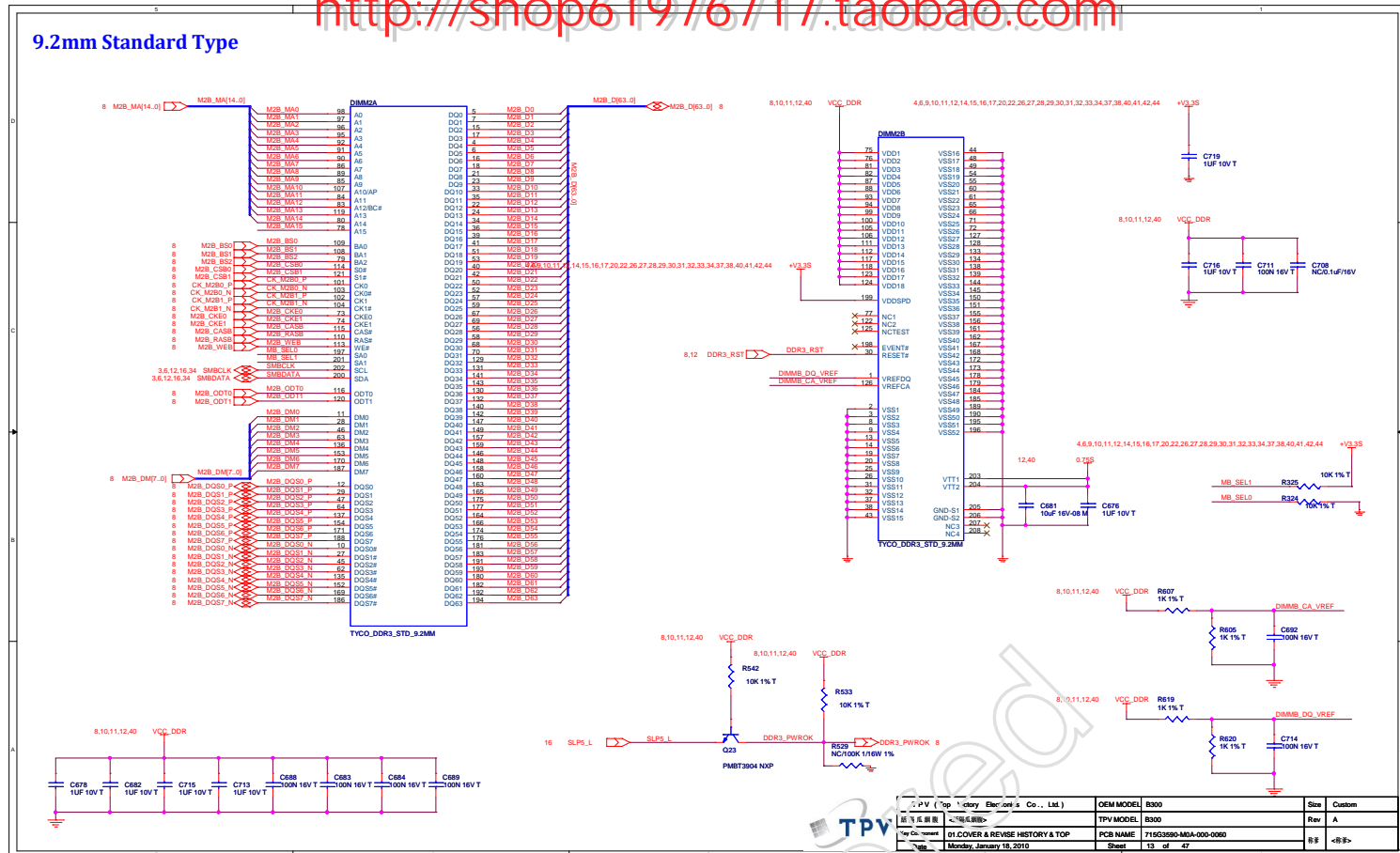


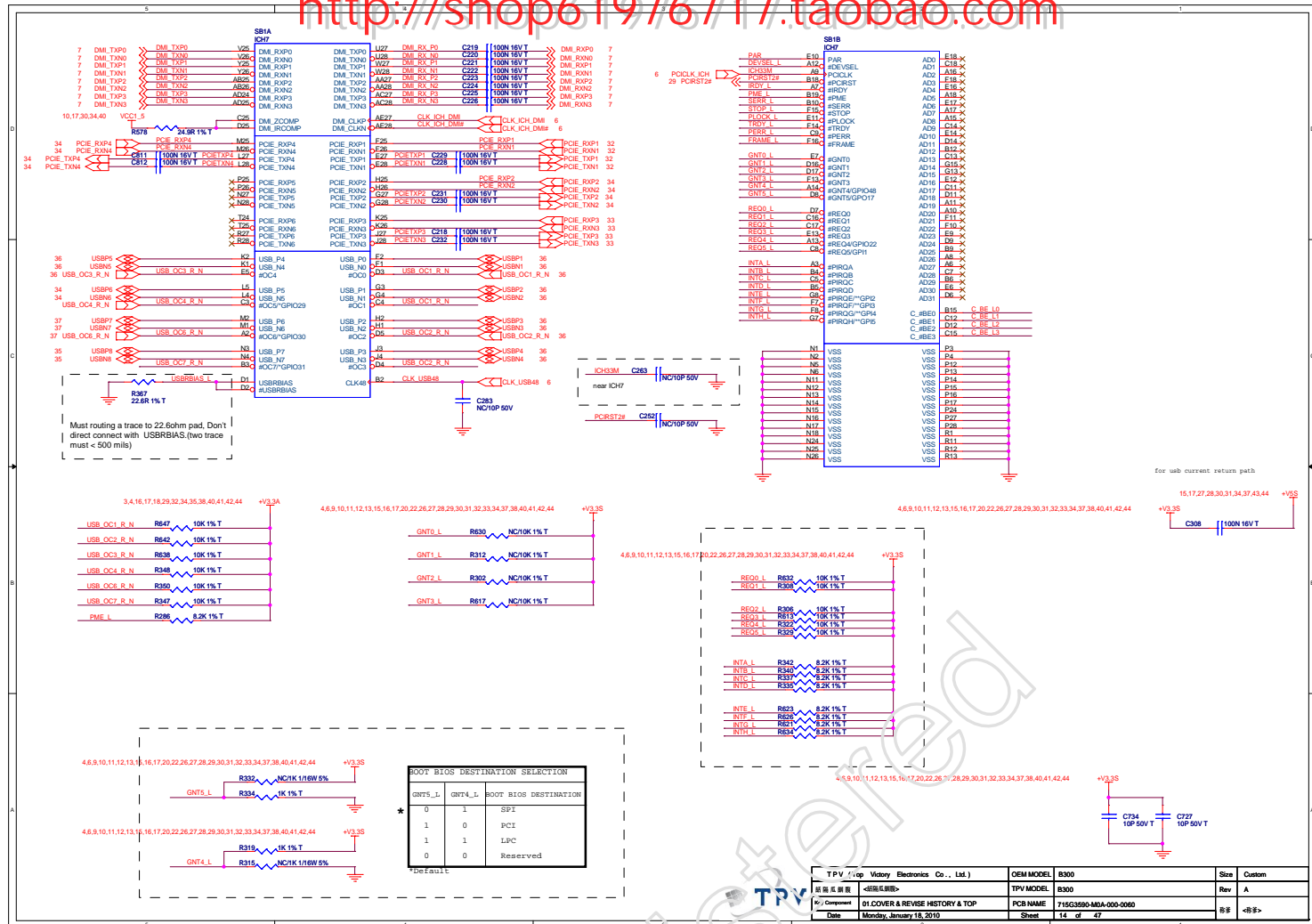
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	S300	Size	Custom
TPV		TPV MODEL	S300	Rev	A
Any Component	01 COVER & REVISE HISTORY & TOP		PCB NAME	71503590-M0A-000-0080	Rev
Date	Monday, January 18, 2010	Sheet	8	of	47

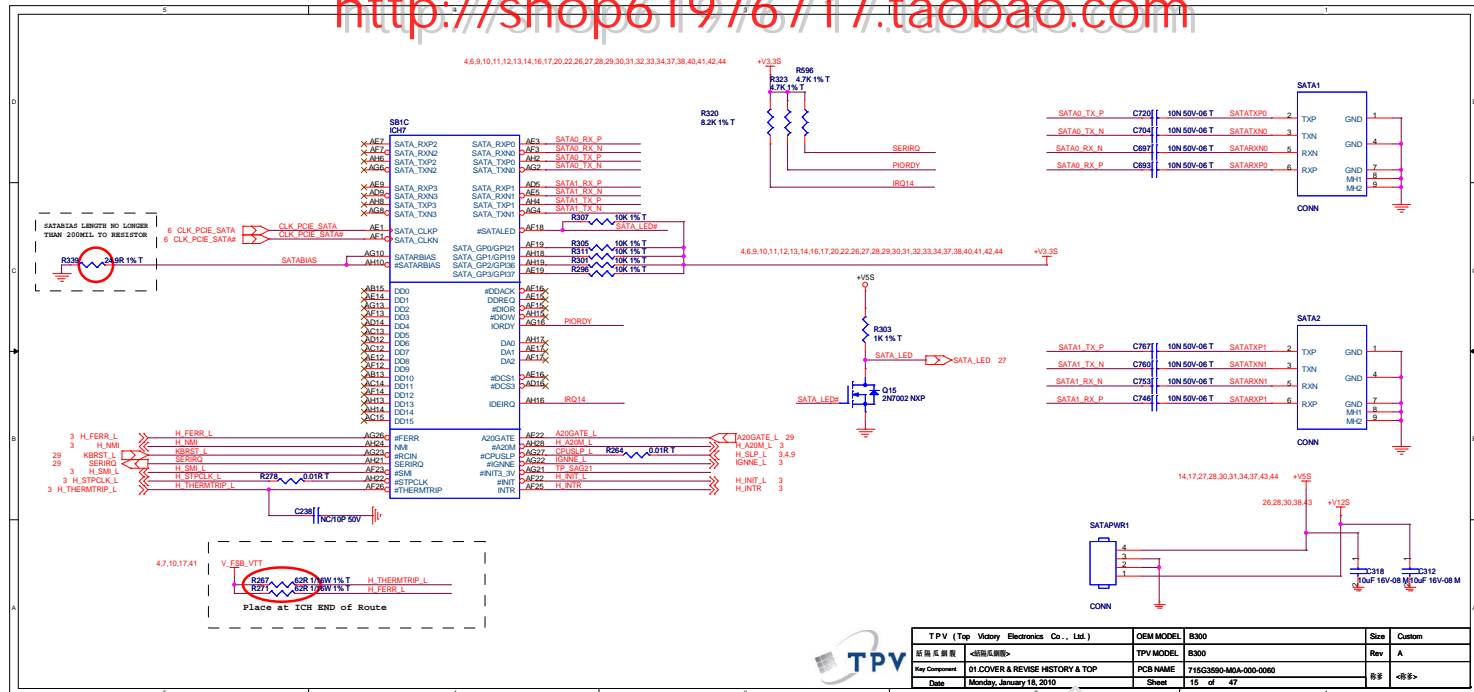




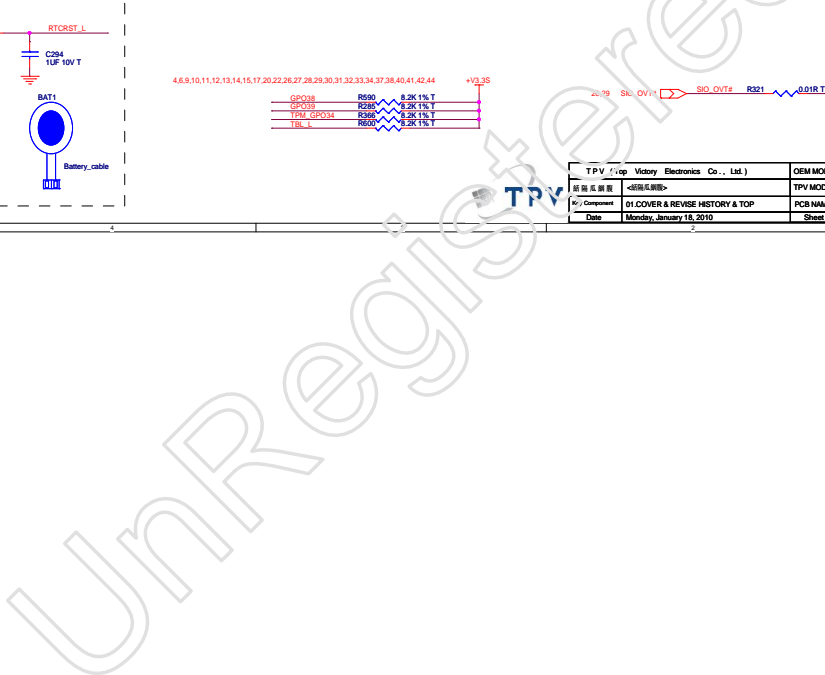






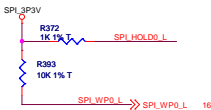
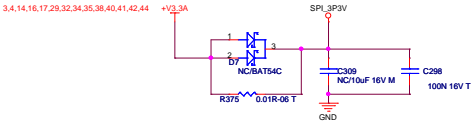


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
板号/板图	TPV MODEL	B300	Rev	A
Key Component	01 COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-MDA-000-0060	
Date	Monday, January 18, 2010	Sheet	15 of 47	

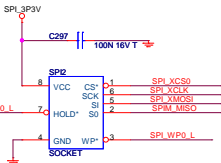


2	1
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SPI ROM



OEER+Flash Write Unprotect
SEER+Flash Write Protect

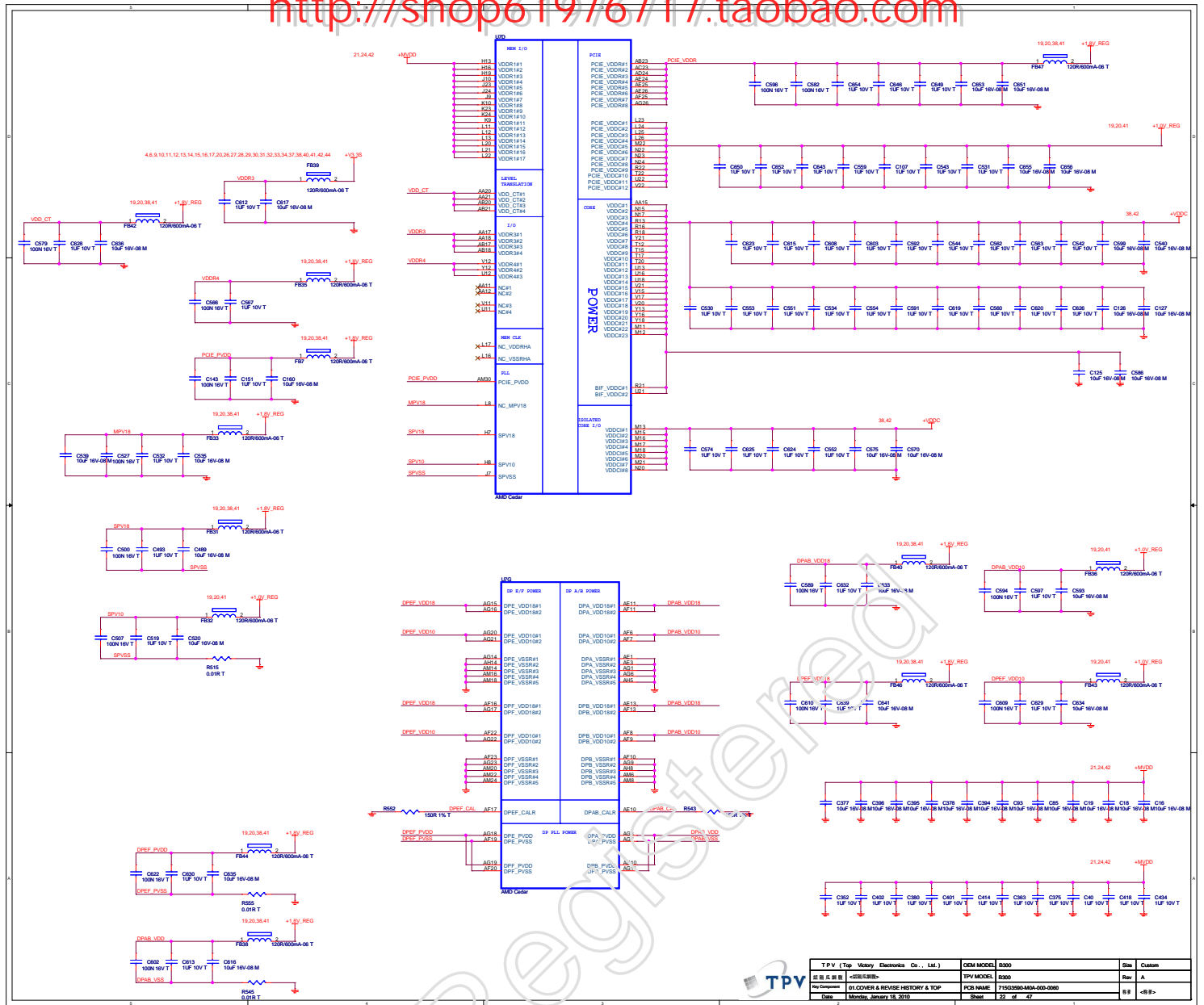


1st -- 56G1133951 Winbond W25Q16BVSSIG
2nd -- 56G1133 97 MXIC MX25L1605MC-12G

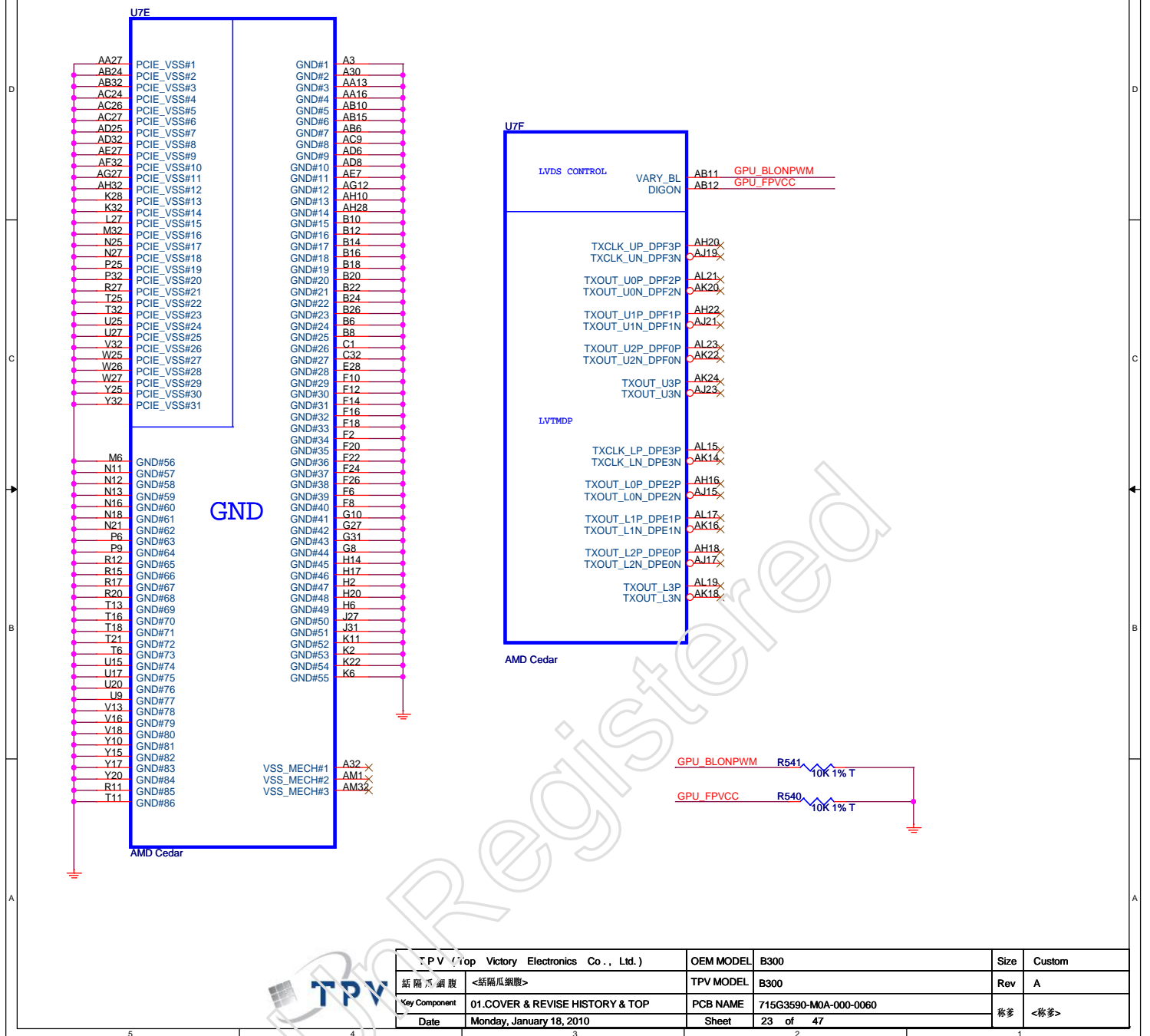
TPV (Victory Electronics Co., Ltd.)	DEM MODEL R300	Size Custom
TPV MODEL R300		Rev A
TPV NAME 716CK7 OTHER	PCB NAME 716C3590-MDA-000-0060	Sheet 16 of 47
Date Monday, January 18, 2010		



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	B
拓普威电子 <拓普威集团>	TPV MODEL	B300	Rev	A
Key Component: 01 COVER & REV. 3E / STORY & TOP	PCB NAME	71653590-M0A-000-0060		
日期: 2015年11月18, 2010	Sheet	21	of	47
			版本	<内部>



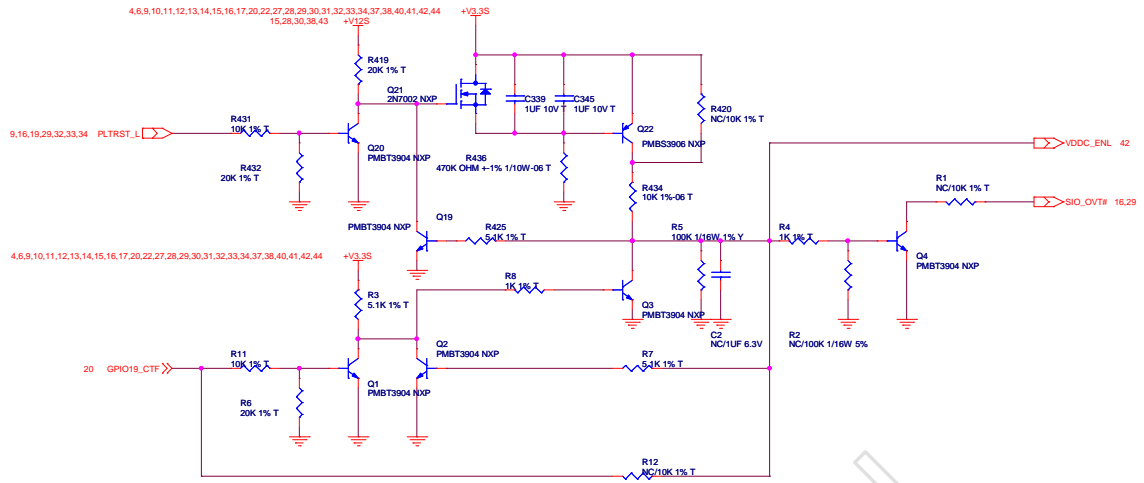
TPV (Top Victory Electronics Co., Ltd.)	QIM MODEL	8000	Rev	Custom
TPV MODEL	8000		Rev	A
21 COVER & REVERSE HISTORY & TOP	PCB NAME	71803580-MSA-000-000	Rev	A
Case	Monday, January 18, 2010	Sheet	22	of 47



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
結構圖網版 <結構圖網版>	TPV MODEL	B300	Rev	A
Key Component	01.COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-MQA-000-0060	稱參 <稱參>
Date	Monday, January 18, 2010	Sheet	23 of 47	

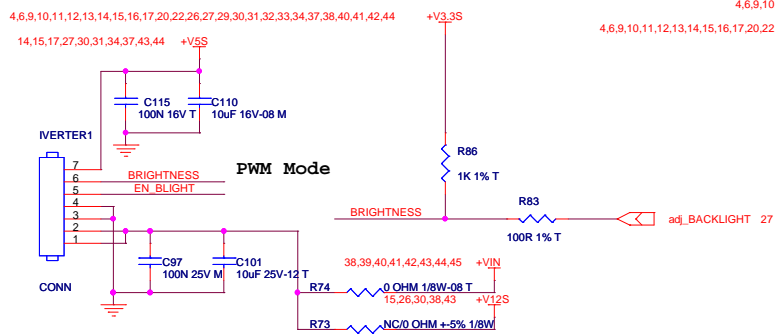
<http://shop61976717.taobao.com>

	TPV (Top Valley Electronics Co., Ltd.)	DENKOW	8390	Rev	Custion
	地址: 中国广东省深圳市宝安区西乡街道铁岗社区铁岗大道1号	TPV(MDL)	8390	Rev	afterCode
	联系人: PINGPING@TPV.COM.CN	PCKM&S	F1923980-88A-A0-00D		
	Date: Monday January 14, 2019	Sheet	25 of 47		<>

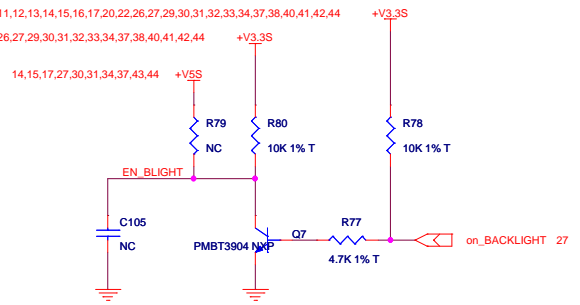


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	B
原廠或分廠	TPV MODEL	B300	Rev	A
Key Component	D1 / OVER & REVISE HISTORY & TOP	PCB NAME	715G3990-M0A-000-0080	备注
日期	2010年07月18日	Sheet	26 of 47	<备注>

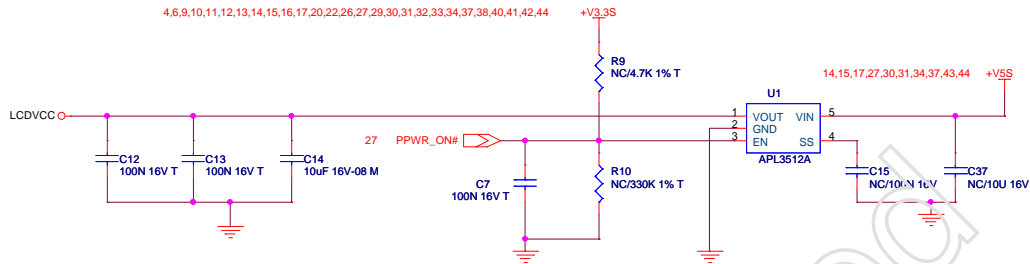
BRIGHTNESS CONTROL



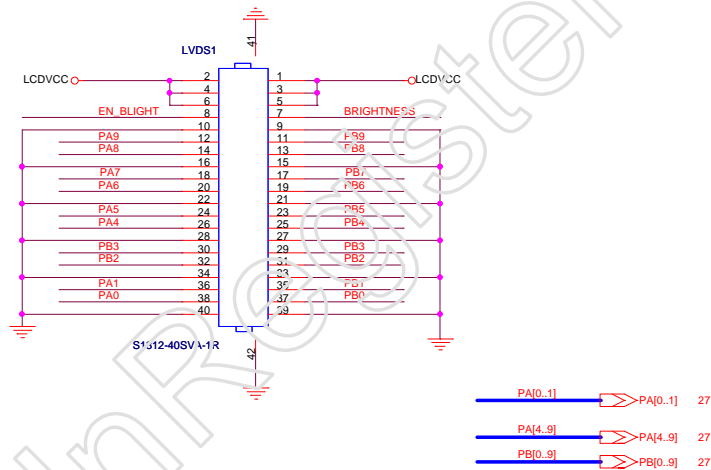
BACKLIGHT ENABLE



PANEL VCC CONTROL



M/B LVDS CONN

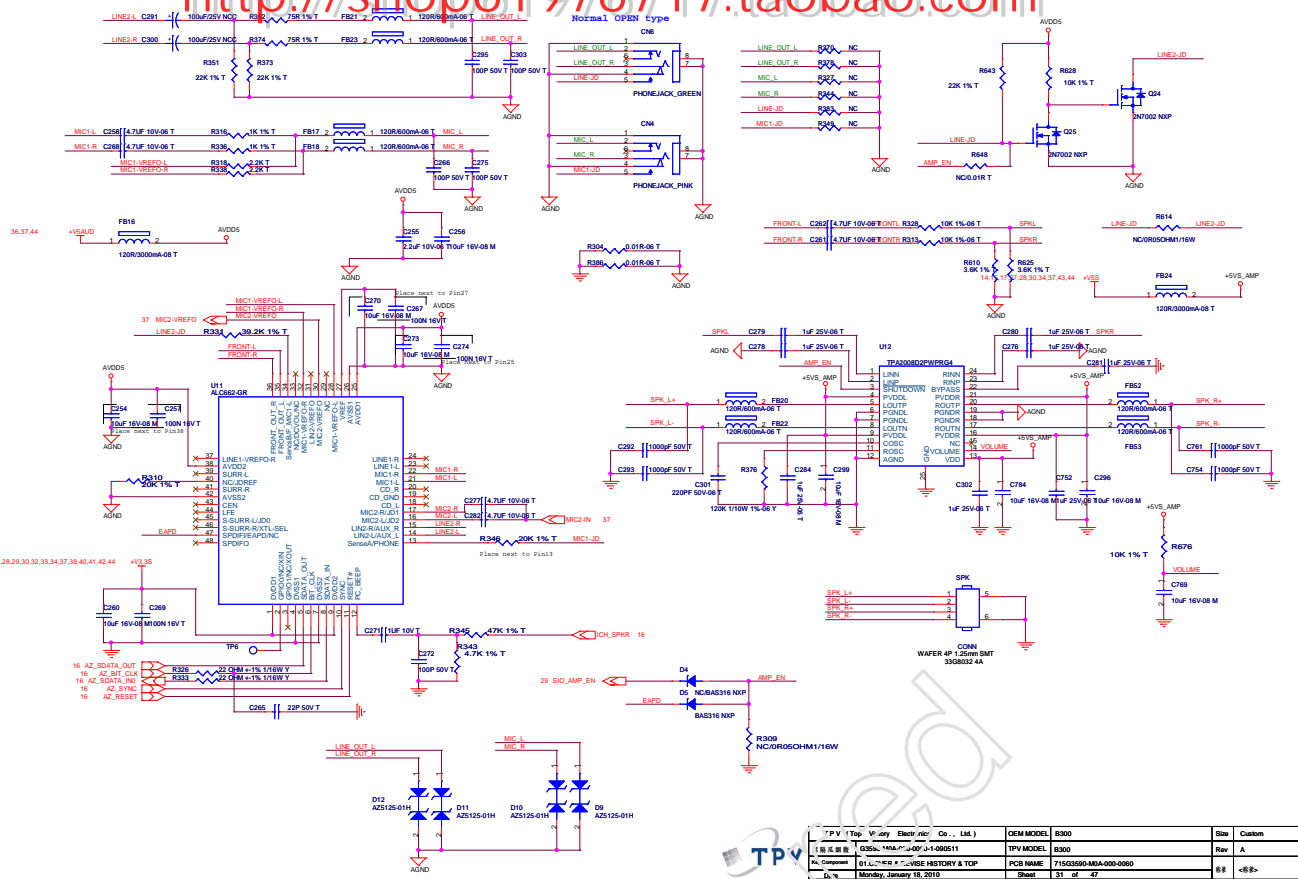


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
話筒瓜 振 振	TPV MODEL	B300	Rev	A
Key Component	01.COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-M0A-000-0060	移參
Date	Monday, January 18, 2010	Sheet	28 of 47	<移參>

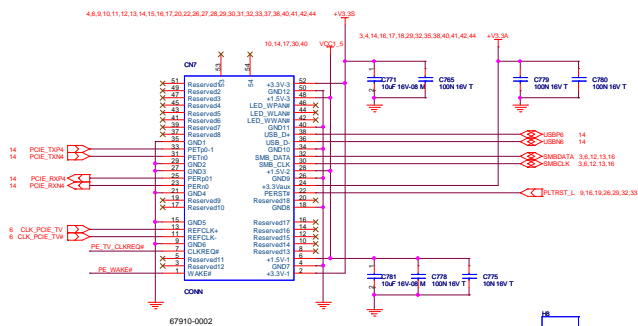
T-8721 Pin on Strapping Options			
Symbol	value	Description	
Pin 124	FLASHING_EN	1	Disabled
		0	Flash IF Address Segment 1 is enabled
Pin 126	KBPWR_EN	1	K8 power sequence function is disabled
		0	K8 power sequence function is enabled
Pin 124 & 46	FAN_CTL_SEL	11	The default value of EC index 15h/16h/17h is 80h
		10	The default value of EC index 15h/16h/17h is FF(h/an off)
		01	The default value of EC index 15h/16h/17h is 00h(an full speed)
		00	The default value of EC index 15h/16h/17h is 40h
Pin 46	WDT_EN	1	Disable WDT to reset PWROK
		0	Enable WDT to reset PWROK

TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	C
部品名	G3590-M0A-000-0060-1-090511	TPV MODEL	B300	Rev
Key Component	01.COVER A REVISE HISTORY & TOP	PCB NAME	7150G3590-M0A-000-0060	
Date	Monday, January 18, 2010	Sheet	29 of 47	部号 <部号>

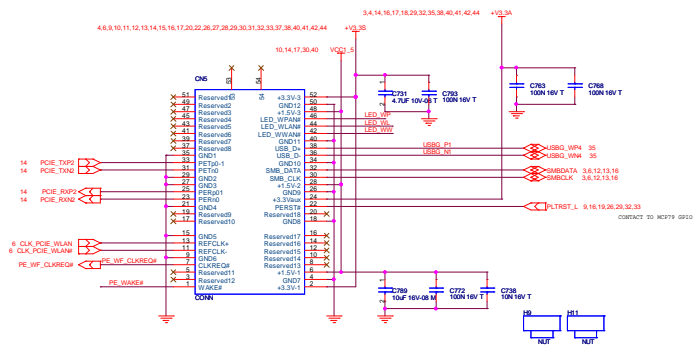
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	B
話機號碼 G356-M04-00-0-10-1-090511	TPV MODEL	B300	Rev	A
Key Cap part 01 COVER & REVERSE STORY & TOP	PCB NAME	71653590-M04-000-0060		
Display part Jan 18, 2010	Sheet	30 of 47	附帶	<附帶>



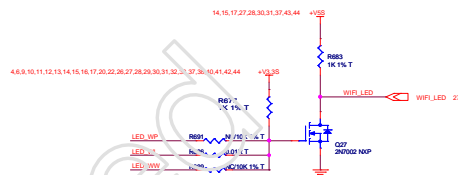
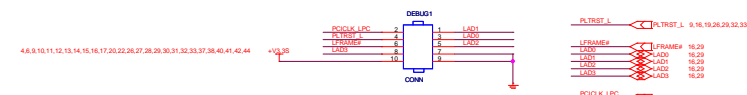
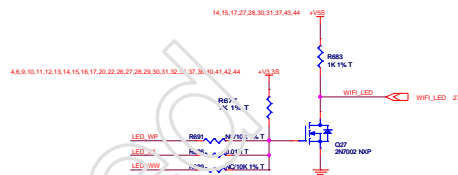
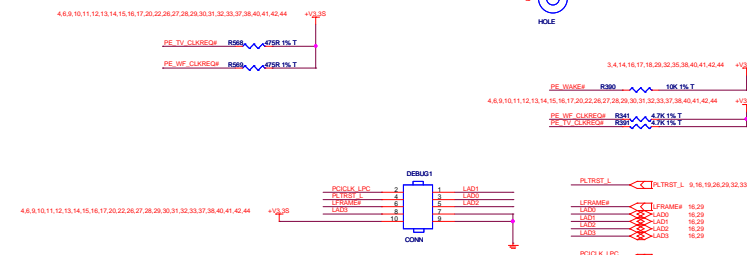
TPV	TPV	TPV	TPV	TPV	TPV
TPV	TPV	TPV	TPV	TPV	TPV
TPV	TPV	TPV	TPV	TPV	TPV
TPV	TPV	TPV	TPV	TPV	TPV
TPV	TPV	TPV	TPV	TPV	TPV



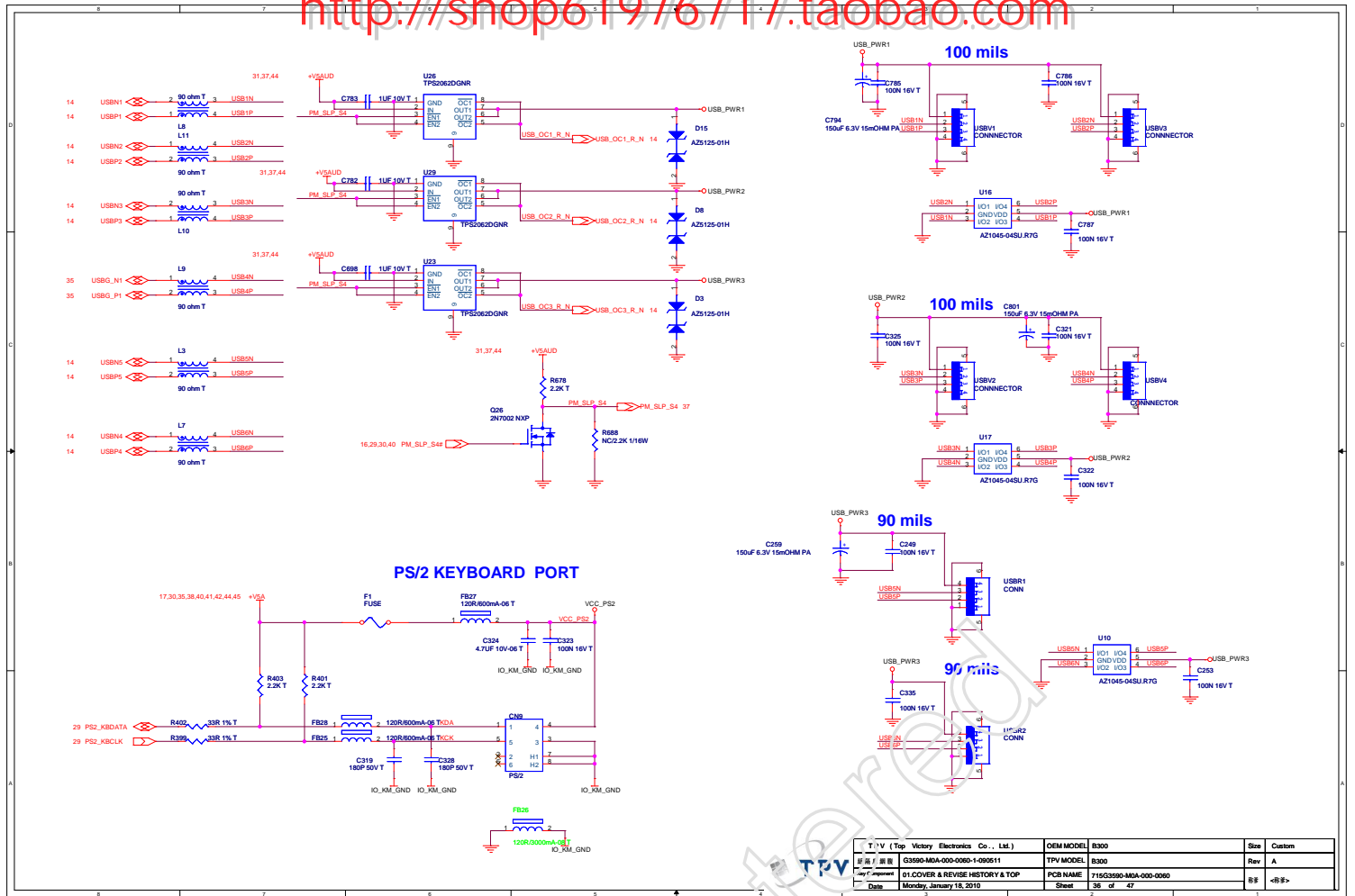
Mini PCI-e Card for TV Tuner



Mini PCI-e Card for WLAN



TPV (Top Victory Electronics Co., Ltd.)	DEM MODEL	B300	Rev	Custom
TPV (Top Victory Electronics Co., Ltd.)	TPV MODEL	B300	Rev	Custom
TPV (Top Victory Electronics Co., Ltd.)	PCB NAME	71003000-MMA-000-0000	Rev	Custom
TPV (Top Victory Electronics Co., Ltd.)	Sheet	34	of	42

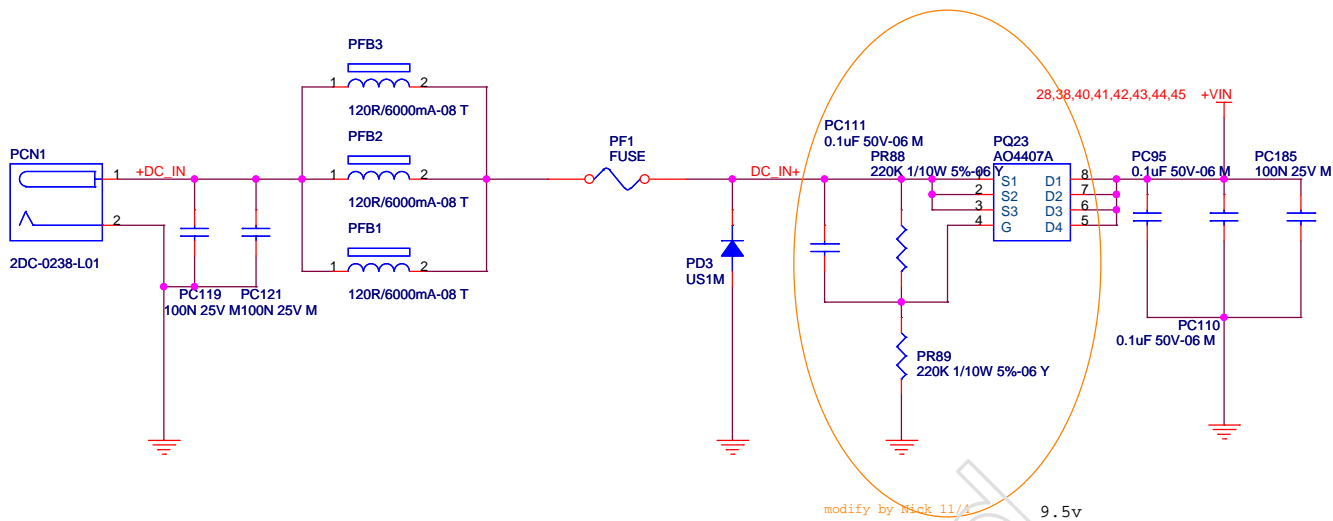


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
TPV MODEL	TPV MODEL	B300	Rev	A
TPV COVER & REVISE HISTORY & TOP	PCB NAME	715G3990-MGA-000-0090	B/E	<B/E>
Date	Monday, January 18, 2010	Sheet	35	of 47

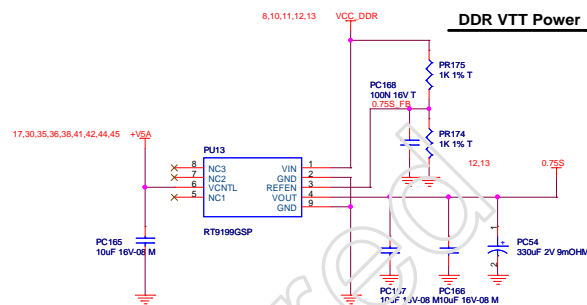
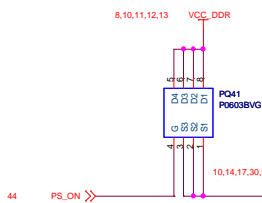
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	B300	Size	Custom
括隔爪網膜		TPV MODEL	B300	Rev	A
Key Component	01.COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-M0A-000-0060	警告 <陽爹>	
Date	Monday, January 18, 2010	Sheet	37 of 47		



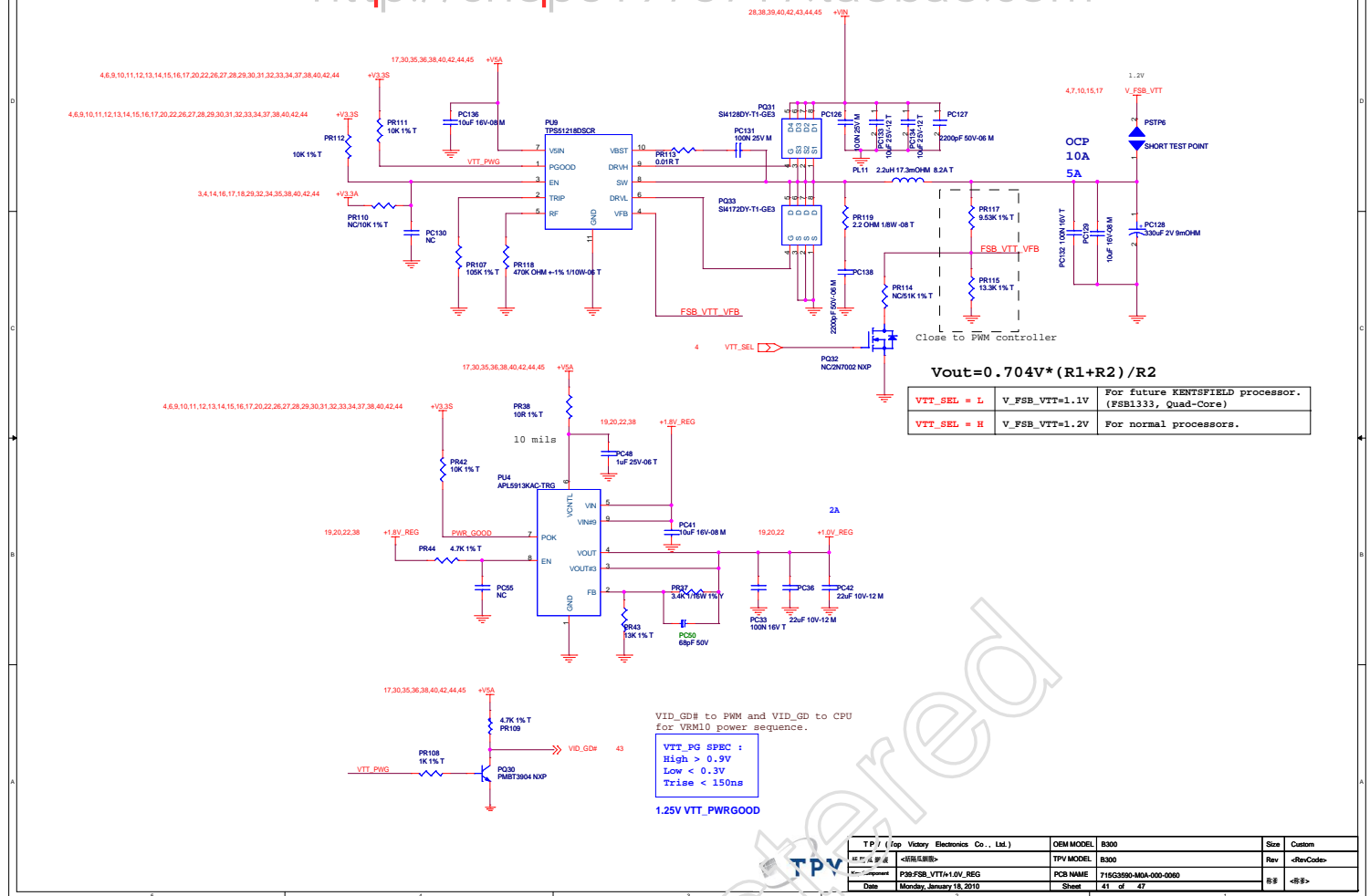
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
振興五金廠 <振興五金廠>	TPV MODEL	B300	Rev	<RevCode>
Key Component	01.COVER & REVERSE H-TOP	PCB NAME	715G3590-M0A-000-0060	
Date	Monday, January 6, 2019	Sheet	3 of 47	卷號 <卷號>

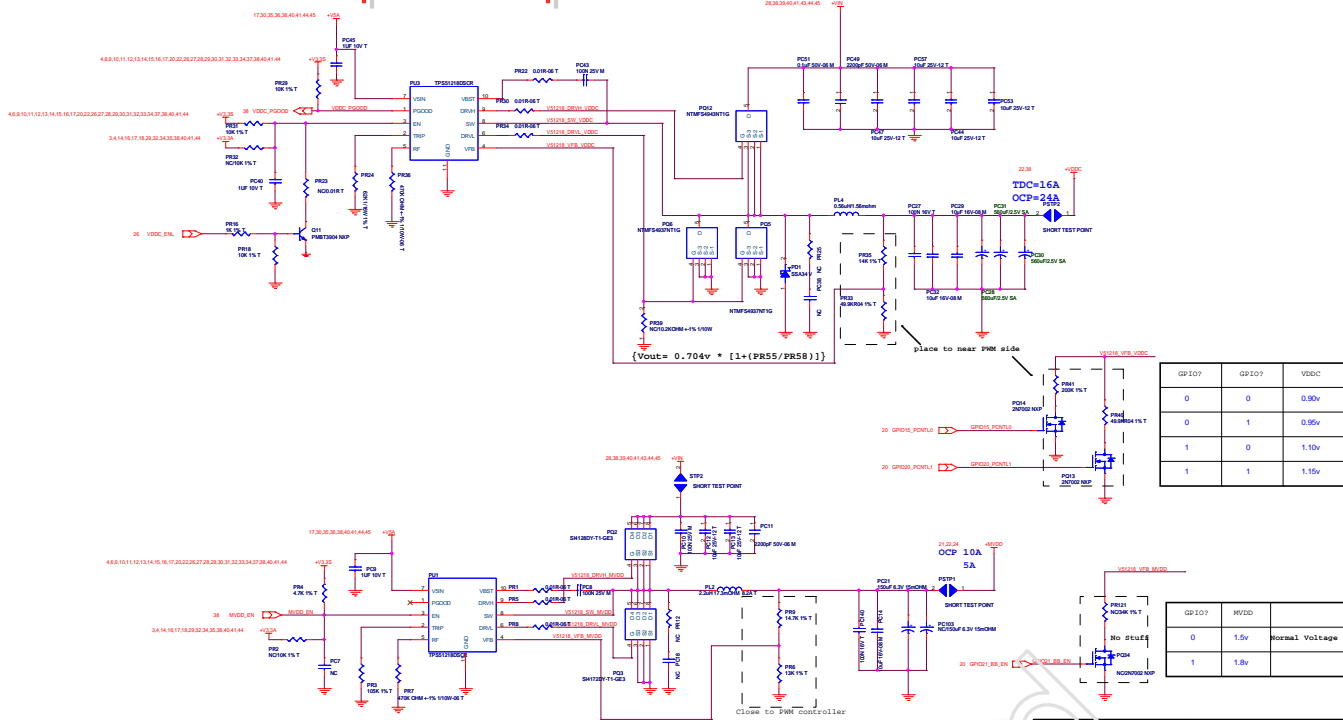


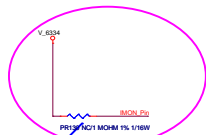
TPV (Top Victory Electronics Co., Ltd.)	QEM MODEL	B300	Size	A
結構瓜網腹	TPV MODEL	B300	Rev	A
Key Component	01.COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-M0A-000-0060	稱爹 <稱爹>
Date	Monday, January 18, 2010	Sheet	39 of 47	



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom	
紙簡式圖號	<紙簡式圖號>	TPV MODEL	B300	Rev	<RevCode>
City Code	COVER & REV SE HISTORY & TOP	PCB NAME	715G3590-M0A-000-0060	料號	<料號>
City	MoShi, January 18, 2010	Sheet	40 of 47		



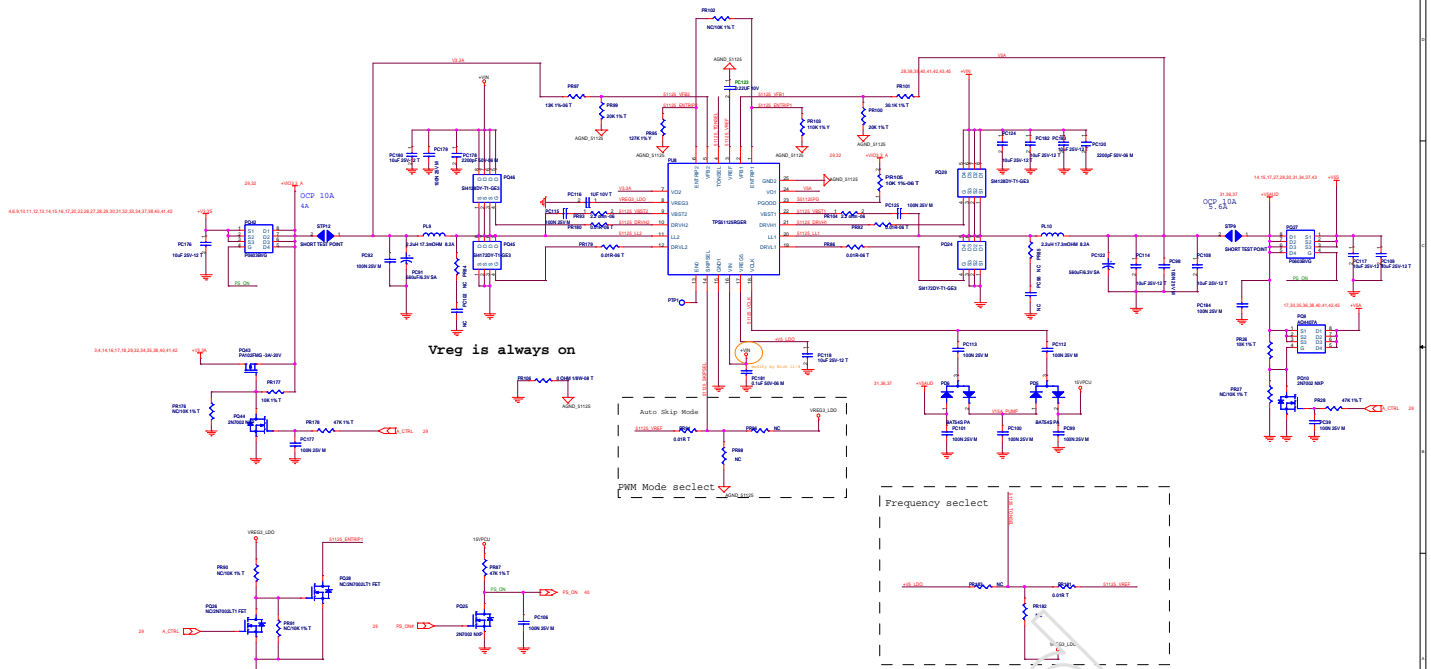




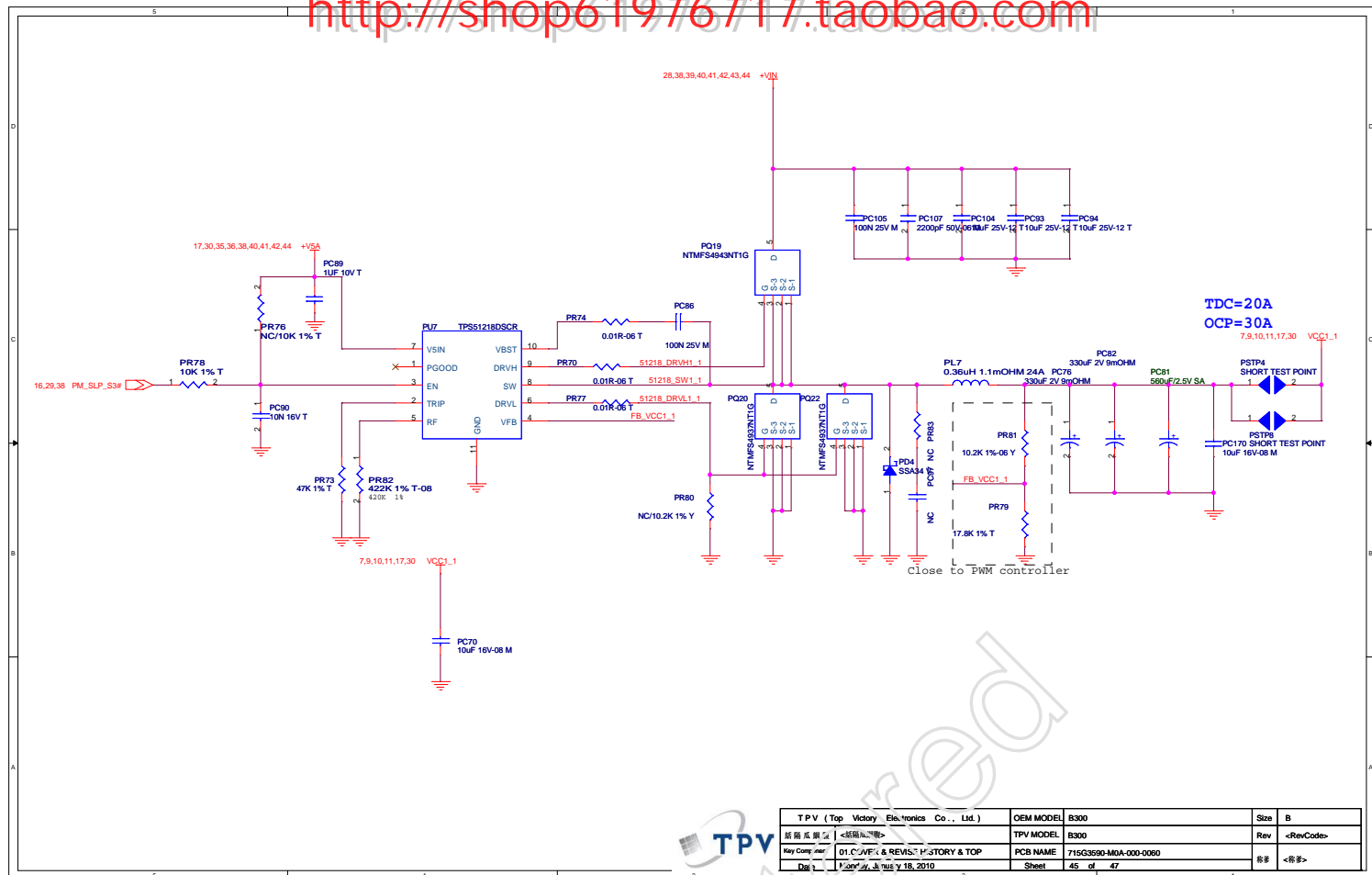
For VR11.1 IMON Load Line use

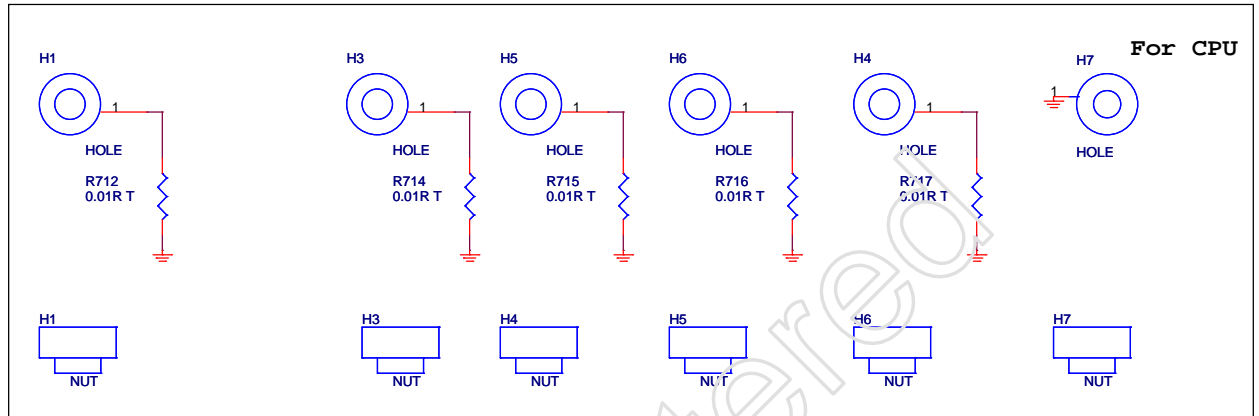
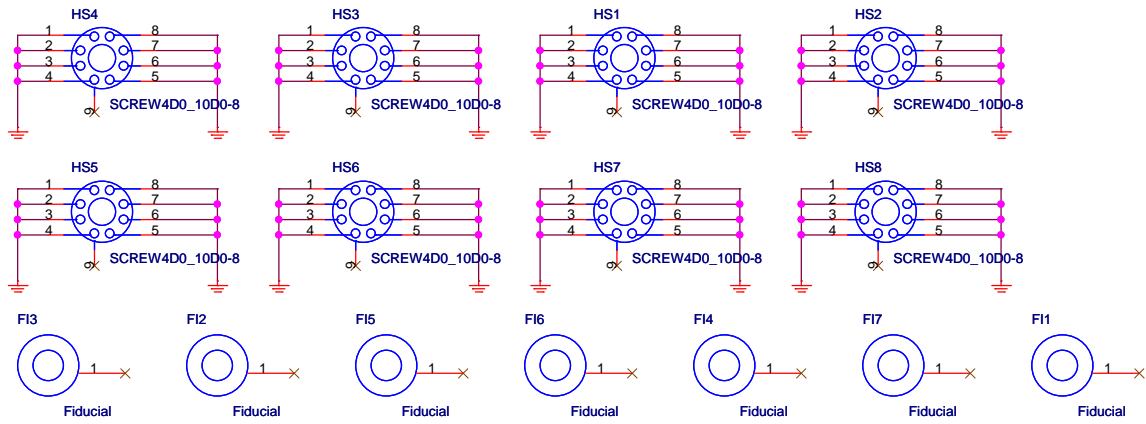
客戶名稱 (Customer)	華碩電腦股份有限公司 (ASUSTeK Computer Inc.)	OEM MODEL	8000	Size	Custom
產品名稱 (Product Name)	TPV MODEL	8300	Rev	<RevCode>	
Key Component	01.COVER & REVERSE HISTORY & TOP	PCB NAME	715G3590-MDA-000-0000	料號	<料號>
Date	Monday, January 18, 2010	Sheet	43 of 47		

Frequency set : 245kHz/305kHz



TPV	TPV110000R	10A	100V	100V	100V
Part Number	TPV110000R	10A	100V	100V	100V
Part Name	10A/100V/100V/100V/100V/100V	10A	100V	100V	100V
Part Name	10A/100V/100V/100V/100V/100V	10A	100V	100V	100V





TPV (Top Victory Electronics Co., Ltd.)	DEM MODEL	B300	Size	A
結構圖紙	TPV MODEL	B300	Rev	A
Key Component	01.COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-M0A-000-0060	稱參
Date	Monday, January 18, 2010	Sheet	46 of 47	<稱參>

REV:0.1

11-16-2009
01-New Building
11-17-2009
01.P28 :Pin 1,2 of Inverter1 Connect +V12S Change to +VIN ---- From Inverter Engineer Suggestion
02.P28 :C4207 From C0805 Change to C1206
03.P40 :PC26,PC27 From C0402 Change to C0805
04.P47 :PC145 From C0402 Change to C0805
05.P17 :SB1 Pin K7 Add a Cap -- C4214
06.P14 :SB1 Pin B19 Add a Resistor ---- R1607
07.P09: NB1 Pin G15 Add a Resistor ---- R1608
08.P03: CPU1 Pin AL7 Connect to GND
09.P03: CPU1 Pin AL8 Connect to VCCP
10.P37: del C020 , Add SW1
11.P08: Net Name --CK_M2A1_P,CK_M2A1_M From NB1 Pin AW29,AV29 Change to NB1 Pin AV37,AV37
12.P08: Net Name --CK_M2B1_P,CK_M2B1_M From NB1 Pin AV31,AW35 Change to NB1 Pin AW35,AV35
11-18-2009
01.P47 :Revise LAN1 Footprint -- R345
02.P13 :Revise DIMM2 Footprint -- D083
03.P45 :PL7 From 4.7uH Change to 2.2uH -- From Power Team Suggestion
04.P45 :PL8 From 4.7uH Change to 2.2uH -- From Power Team Suggestion
05.P45 :PR128 From 100K ohm Change to 110K ohm -- From Power Team Suggestion
06.P45 :PR127 From 110K ohm Change to 127K ohm -- From Power Team Suggestion
07.P41 :R67 From 58K ohm Change to 40.2K ohm -- From Power Team Suggestion
08.P41 :Add a Connector for SATA Power Connector :SATAPMW1
09.P46 :Add Hole on Main Board
11-19-2009
01.P09 :R140 Stuff 1K to GND ---- PCIE x16 Reverse
02.P19 :GPU PCIE X16 Reserve for Layout ---- From Layout Suggestion
03.P33 :R1425 No Stuff ---- From Jmicron Suggestion
04.P33 :R1426 From 200K Change to 10K ---- From Jmicron Suggestion
05.P31 :PB69 From +V5S Change to +V5A For De-Pop ---- From Realtek Suggestion
06.P31 :PB26 From +V5S Change to +V5A For De-Pop ---- From Realtek Suggestion
07.P04 :R53 From VTT_OUT_R Change to V_PSR_VTT
08.P16 :SB1 Pin AW3 Connect Net Name -- R_DSRLS_L
09.P04 :R55,R56,R57,R58 From Connect Net Name -- VTT_OUT_L Change to Net Name -- VTT_OUT_L
10.P03 :Stuff R30,R31 and From Connect Net Name -- VTT_OUT_L Change to GND
11.P03 :Add 0 ohm on CPU1 Pin AL8 and AL7 ---- Follow G41 For D083 ATX Platform REV1.0 Suggestion
12.P03 :Add 0 ohm on Net Name -- H_EKTOCC to GND and No Stuff R38
13.P03 :Stuff R37 130 ohm
14.P16 :Add a 8.2K ohm on Net Name --SVS_RST_L to +V3.3A
15.P04 :R76,R77,R78 From 470K ohm Change to 470 ohm
16.P03 :R25,R26,R27,R28,R29 Connect Net Name -- R_1P5V Change to GND ---- Follow G41 For D083 ATX Platform REV1.0 Suggestion
11-20-2009
01.P55 :D52 From GL854G Change to GL852G
11-23-2009
01.P36 :USBV1 -- USBV4 Change to Lenovo AVL Material -- 880 352 11V5V
02.P36 :USB81 -- USB82 Change to Lenovo AVL Material -- 880 352 12 5Y
03.P33 :1394A1 Pin 1 From Connect Net -- TPBIM Change to Net -- TDAIM
04.P33 :1394A1 Pin 2 From Connect Net -- TPBIP Change to Net -- TDAIM
05.P33 :1394A1 Pin 3 From Connect Net -- TDAIM Change to Net -- TPBIP
06.P33 :1394A1 Pin 4 From Connect Net -- TDAIP Change to Net -- TPBIM
07.P36 :CN17 Change to Lenovo AVL Material -- 880 361 2 FA
08.P31 :CN7 Change to Lenovo AVL Material -- 880 302 78 SY
09.P31 :CN8 Change to Lenovo AVL Material -- 880 302 79 SY
10.P32 :D47 Change to Lenovo AVL Material -- 5601133151
10.P27 :D42 Change to Lenovo AVL Material -- 5602233 4
12-22-2009
01.P31 :Material Number of CM4 From 880 302 78 SY Change to 880 302756
02.P31 :Material Number of CM6 From 880 302 79 SY Change to 880 302765
03.P39 :PCN1 add a material number -880 304 17 ST

REV:0.2

12-24-2009
01.P18 :SP12 From 5601133951 Change to 5601133951 on AI Layer
02.P18 :Add SP13
03.P20 :SP11 From 5601133951 Change to 5601133949
04.P12 :Net Name - CK_M2A1_P,CK_M2A1_M From DIMM0 Pin 101,103 Change to Pin 102,104 --- Follow Intel Doc #367652 Table 6-14
05.P12 :Net Name - CK_M2A0_P,CK_M2A0_M From DIMM0 Pin 102,104 Change to Pin 101,103 --- Follow Intel Doc #367652 Table 6-14
12-30-2009
01.P33 :R252 Add 61004021002FI ---- Follow Jmicron Suggestion
02.P33 :R289 , R292 Add 61004020000 FI ---- Follow Jmicron Suggestion
03.P33 :Remove R255 , R256 ---- Follow Jmicron Suggestion
04.P33 :R262 material number From 61004021002FI Change to 61004021001FI ---- Follow Jmicron Suggestion

REV:0.2

01.P33 :R252 Add 61004021002FI ---- Follow Jmicron Suggestion
01-10-2010
01.P34 :MUT H4 Change to HT , H3 Change to HS
02.P16 :Remove R588 ---- For Power Lose
03.P41 :Remove PQ34,PR121 ---- +M2DD 1.5V
04.P07 :R50 material number From 61004021652FY Change to 61004021659FI
05.P36 :USB81 , USB82 mirror vertically ---- For Supin USB Right Angle Reverse Type Pin Definition
06.P27 :Add D1 R8601V-40 ---- For D-SUB Using
07.P41 :Remove PR114,PQ12 ---- V_PSR_VTT use +1.2V
08.P41 :PR117 material number From 61004027501FI Change to 61004029531FI ---- V_PSR_VTT use +1.2V
09.P09 :R56,R57,R58 material number From 61004021500FI Change to 61004027509FI
10.P06 : Move R548,R569 to Page 34 ,and Add it Pull-High to +V3.3S
11.P34 :CN7 change to connect PCIE x1 Port 4
12.P29 :Remove R561
13.P20 :Remove R539
14.P20 :Add R554 61004021002FI
15.P27 :Remove C385, and R465 material number Form 61004021002FI Change to 61004020000 FI ---- For Scalar Backlight
16.P28 :Remove R10
17.P42 :Remove PR23
18.P16 :Add R591 material number 61004020000 FI ---- For Enable SPI Write
19.P16 :Add R718,R719 61004028201FI for GP208 and GP2014
20.P27 :R705 material number From 61008052200FI Change to 61008051001FI
21.P20 :Net name -- Q_R0M2C Add a R721 Pull-High to +V3.3S
22.P27 :Remove R415,R416
23.P21 :R524 Change to 0 Ohm ---- Follow AMD Suggestion
24.P34 :R677 Change to 1K---- Follow AMD Suggestion
25.P40 :PR71 From 56K Change to 39K ---- Follow Power Team Suggestion
26.P40 :Revise PQ41,PQ18,PQ17 Symbol ---- Follow Power Team Suggestion
27.P40 :Add PR59 2.2 Ohm 0805 and PC74 2200PF ---- Follow Power Team Suggestion
28.P40 :PR68 From 14.7K Change to 14.1K ---- Follow Power Team Suggestion
29.P40 :PR67 From 13K Change to 12.4K ---- Follow Power Team Suggestion
30.P40 :Remove STP7 then short it ---- Follow Power Team Suggestion
31.P38 :Revise PQ11,PQ15,PQ16 Symbol ---- Follow Power Team Suggestion
32.P38 :Revise PQ11,PQ15,PQ16 Symbol ---- Follow Power Team Suggestion
33.P38 :Add PR45 2.2 Ohm and PC81 2200PF ---- Follow Power Team Suggestion
34.P38 :Remove STP5,STP6 then short it ---- Follow Power Team Suggestion
35.P41 :Revise PQ31,PQ33 Symbol ---- Follow Power Team Suggestion
36.P41 :Add PR119 2.2 Ohm and PC138 2200PF ---- Follow Power Team Suggestion
37.P41 :Remove STP11 then short it ---- Follow Power Team Suggestion
38.P42 :Remove STP4,STP2 then short it ---- Follow Power Team Suggestion
39.P42 :Revise PQ12,PQ6,PQ5,PQ2,PQ3 Symbol ---- Follow Power Team Suggestion
40.P43 :PU10,PU11 Change to ISL6620ACBE ---- Follow Power Team Suggestion
41.P43 :PR120,PR123 From 2.2 ohm Change to 0 ohm ---- Follow Power Team Suggestion
42.P43 :Remove STP1,STP3 then short it ---- Follow Power Team Suggestion
43.P43 :Revise PQ1,PQ4,PQ36,PQ35,PQ37,PQ38 Symbol ---- Follow Power Team Suggestion
44.P44 :Revise PQ42,PQ45,PQ46,PQ39,PQ24,PQ27 (PMB) ---- Follow Power Team Suggestion
45.P44 :P16,P110 Change footprint ---- Follow Power Team Suggestion
46.P45 :PR73 From 76K Change to 47K ---- Follow Power Team Suggestion
47.P45 :Remove STP8 then short it ---- Follow Power Team Suggestion
48.P45 :Revise PQ19,PQ20,PQ22 Symbol ---- Follow Power Team Suggestion
49.P33 :1394A1Pin1 and Pin1 Signal swap , Pin1 and Pin3 Signal swap
50.P15 :SATA1,SATA2 Change to SATA DID Vertical
01-15-2010
01.P31 :SPK Pin 1 connect Net -- +V3.3L
02.P31 :SPK Pin 2 connect Net -- SPK_L
03.P31 :SPK Pin 3 connect Net -- SPK_R
04.P31 :SPK Pin 4 connect Net -- GND_R
05.P15 :SATAPMW1 mirror Vertically
06.P32 :C802 Change to 01P for RSD Cap. ---- Follow EMI Team Suggestion



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