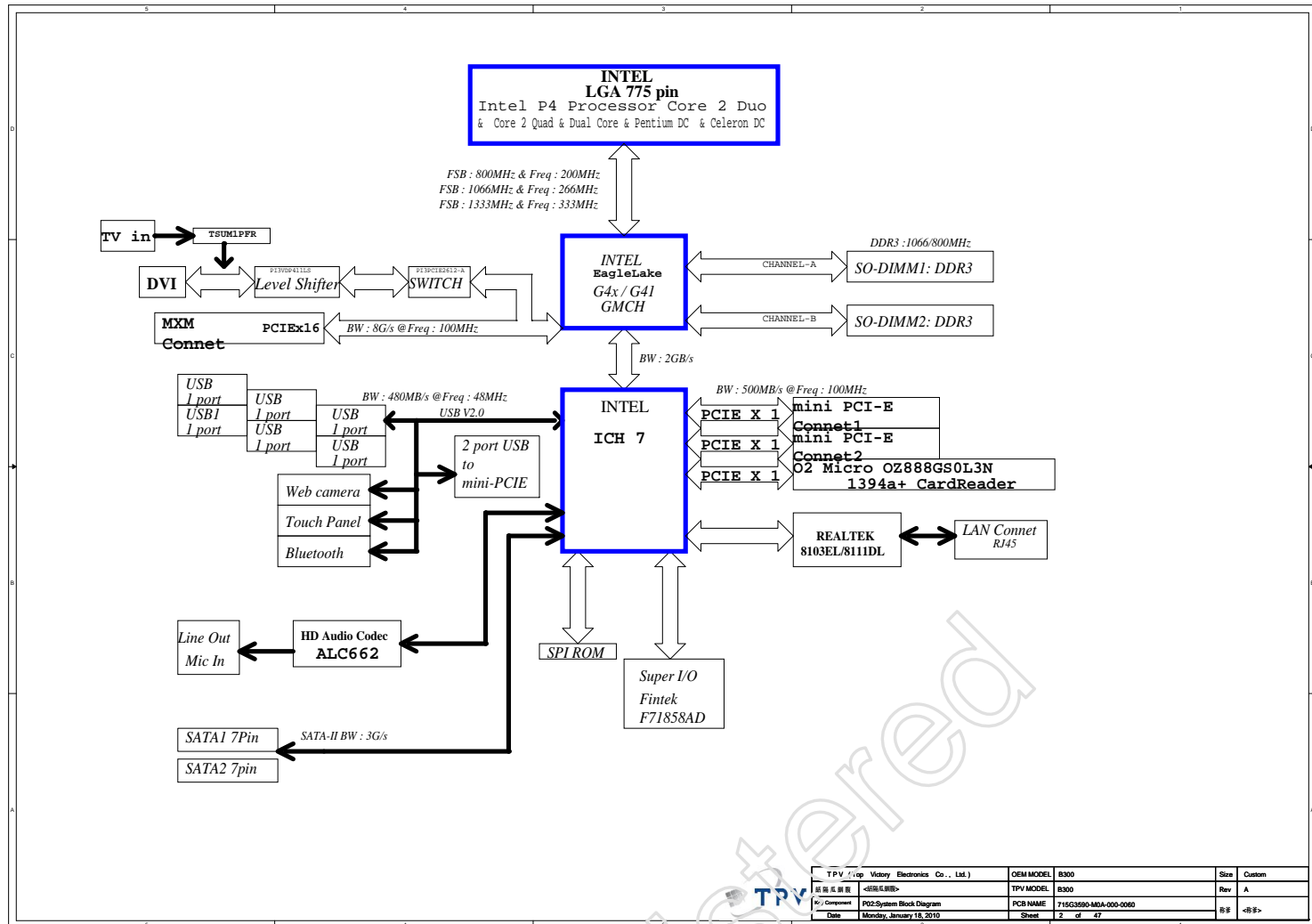


5		4		3		2		1	
D									
C									
B									
A									
5		4		3		2		1	

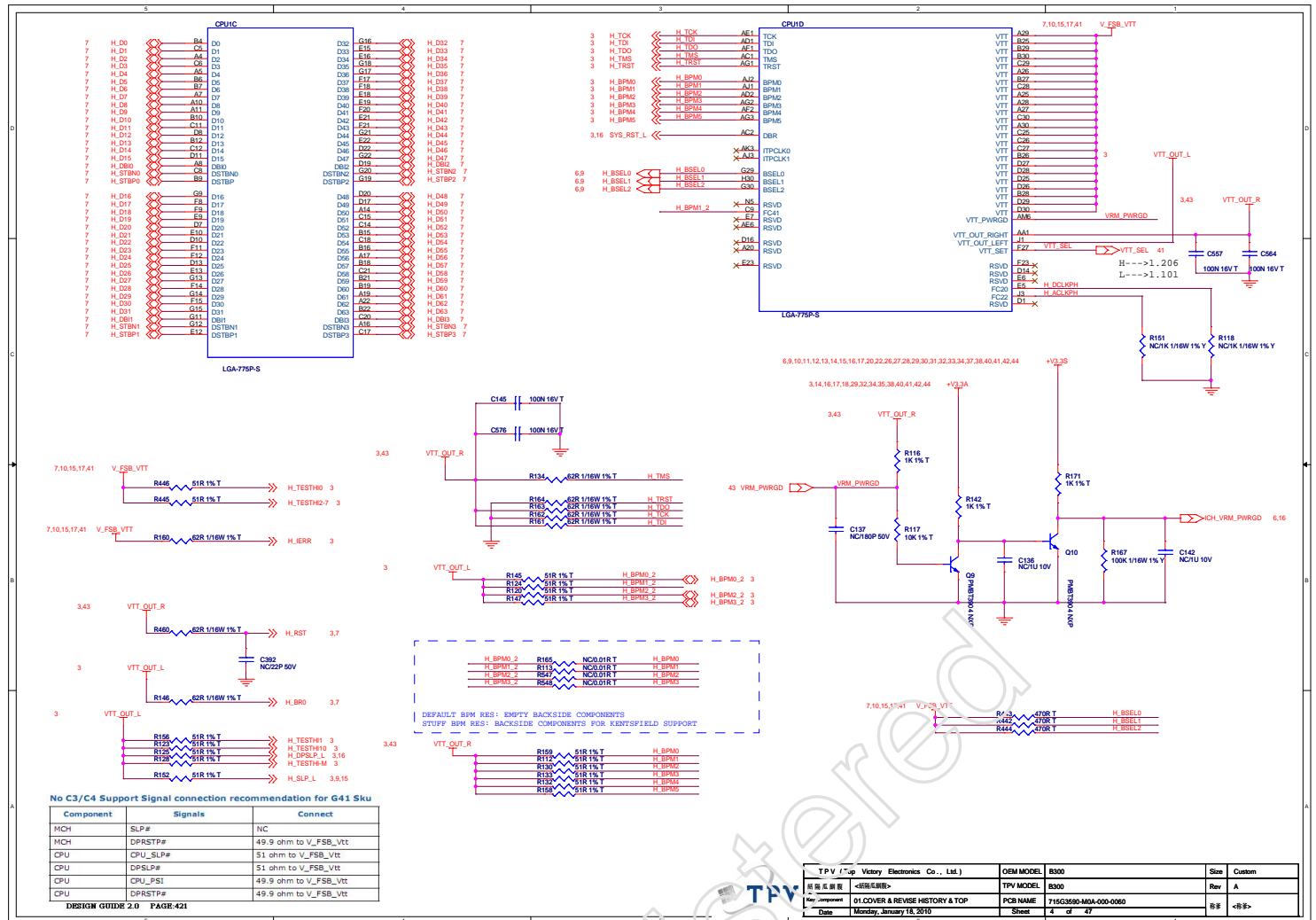


TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	B300	Size	B
振興 振立 <振興振立>		TPV MODEL	B300	Rev	A
Key Component	P01<OVR SHEET>	PCB NAME	715G3590-MDA-000-0060		
Date	2010.05.18	Sheet	1 of 47	振興	<振興>

UnRegistered

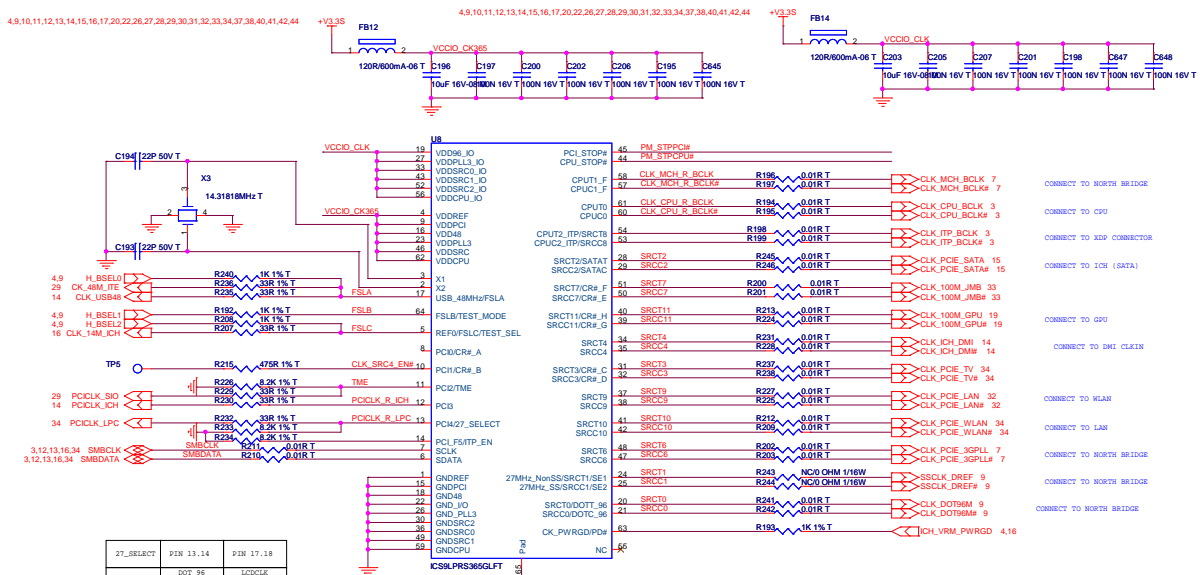


TPV / (tpv Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
<B300>	TPV MODEL	B300	Rev	A
File Comment	File Name	715C1590-M0A-000-0000	Rev	<B300>
Date	Monday, January 18, 2010	Sheet	2 of 47	





Clock Gen have to inquiry ICS to get IC number, This page is failure

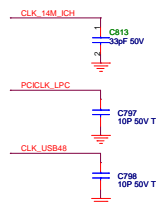


Note -
BIOS should turn off
unconnected clock
outputs

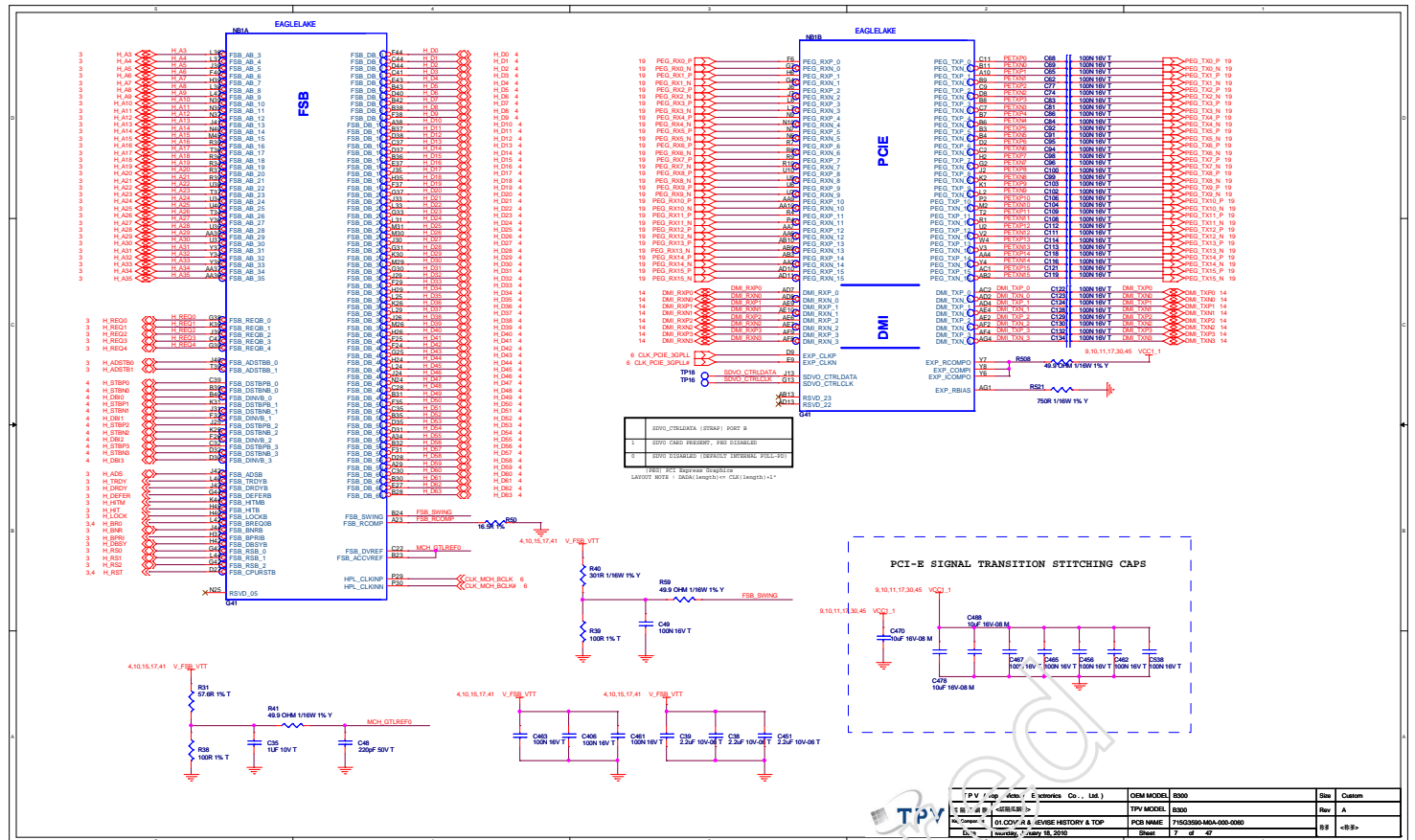
CPU, Memory and IOP BCLK FREQUENCY SELECTION TABLE			
F0C	F5B	F0A	Host Clock Frequency MHz
BSEL0	BSEL1	BSEL2	
0	1	1	166
0	1	0	200
0	0	0	266

27_SELECT	PIN 13.14	PIN 17.18
0	DOT_96 / DOT_96#	LCDCCLK / LCDCCLK#
1	SRCO / SRCO#	27M / 27M_SS

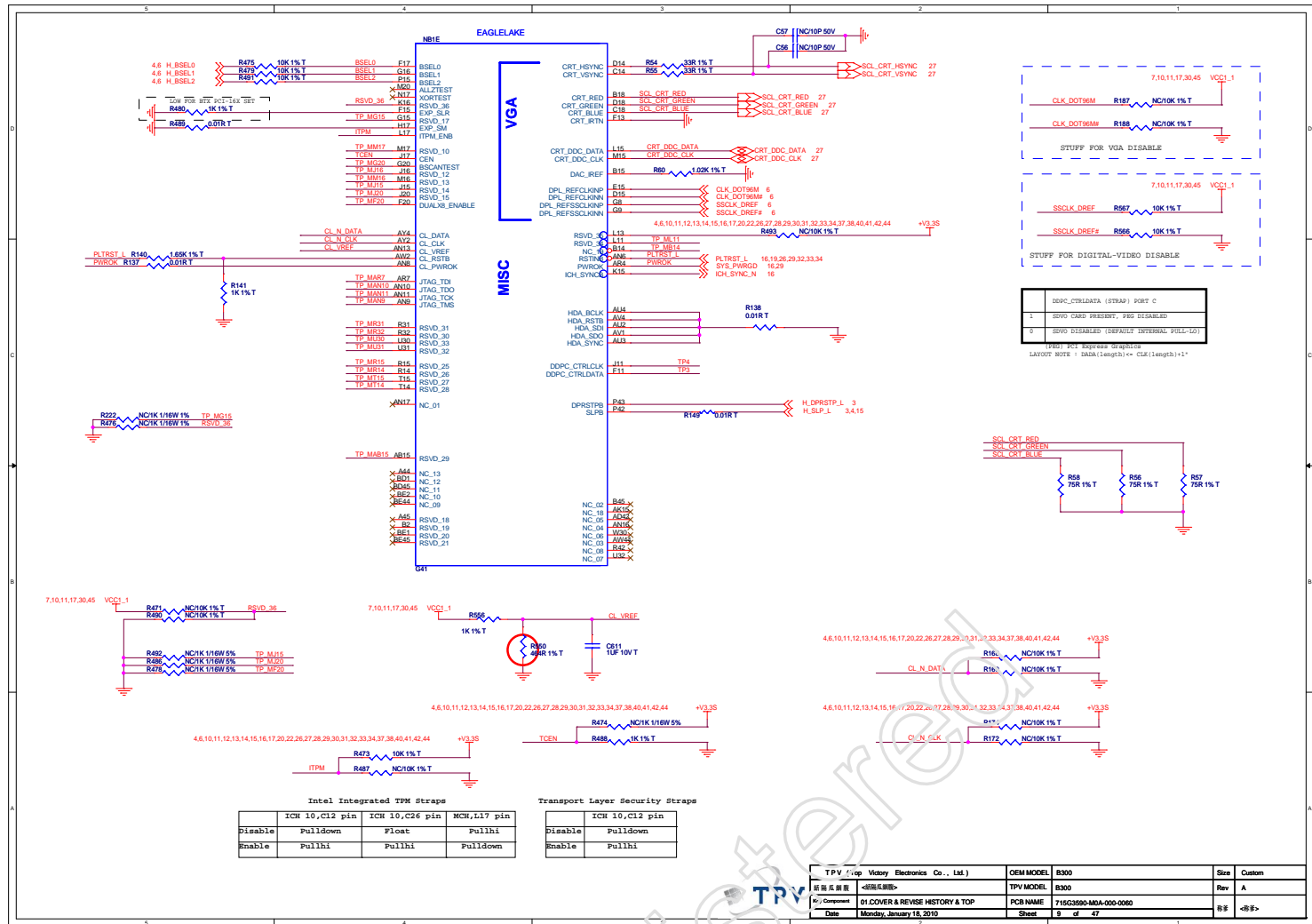
ITP_EN	0	1
PIN 46.47	SRC8	ITP



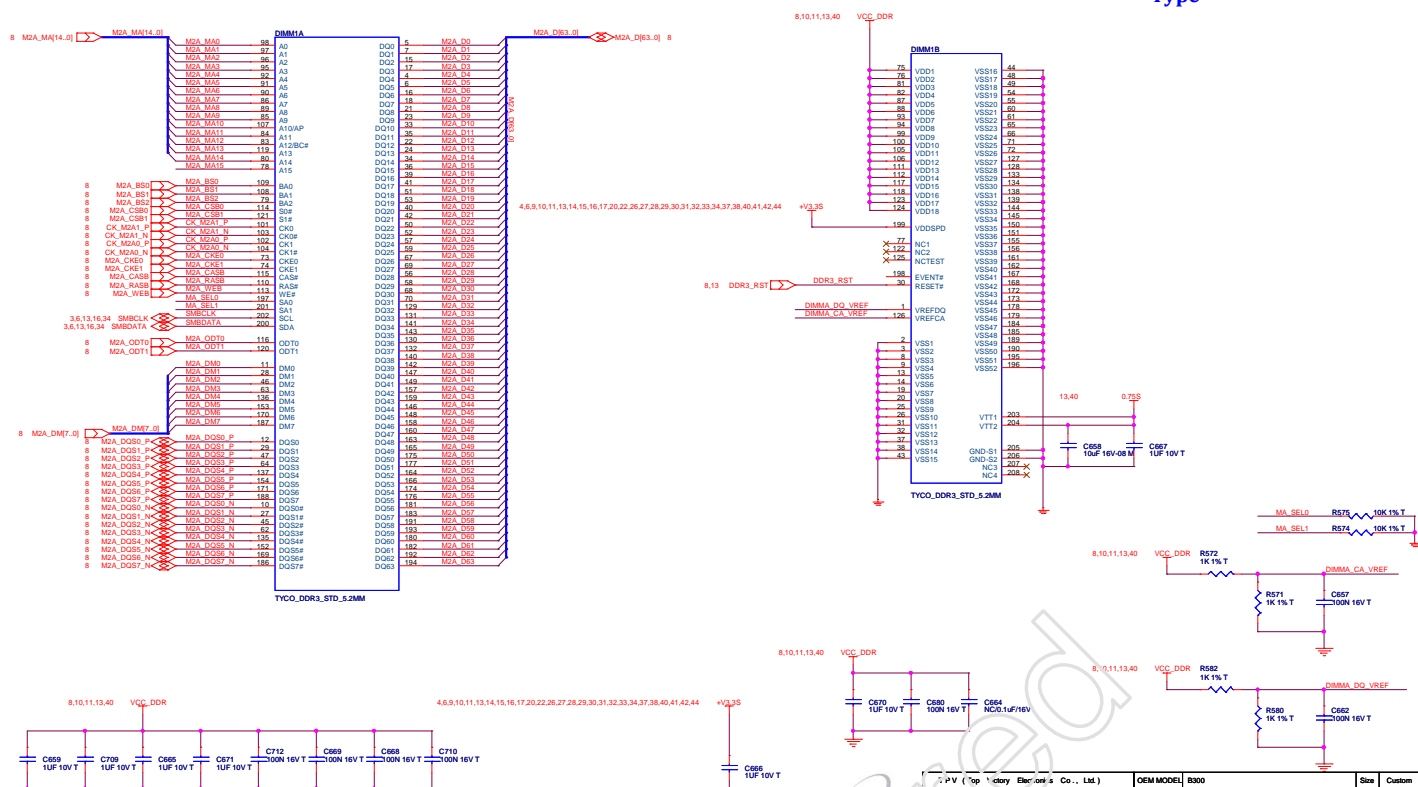
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	A3
新通風網板 <新隔風網板>	TPV MODEL	B300	Rev	A
Key Comment	01_COVER & REVISE HISTORY & TOP	PCB Name	715G5990-M0A-000-0060	
Date	Monday, January 18, 2010	Sheet	6 of 47	附寄 <附寄>



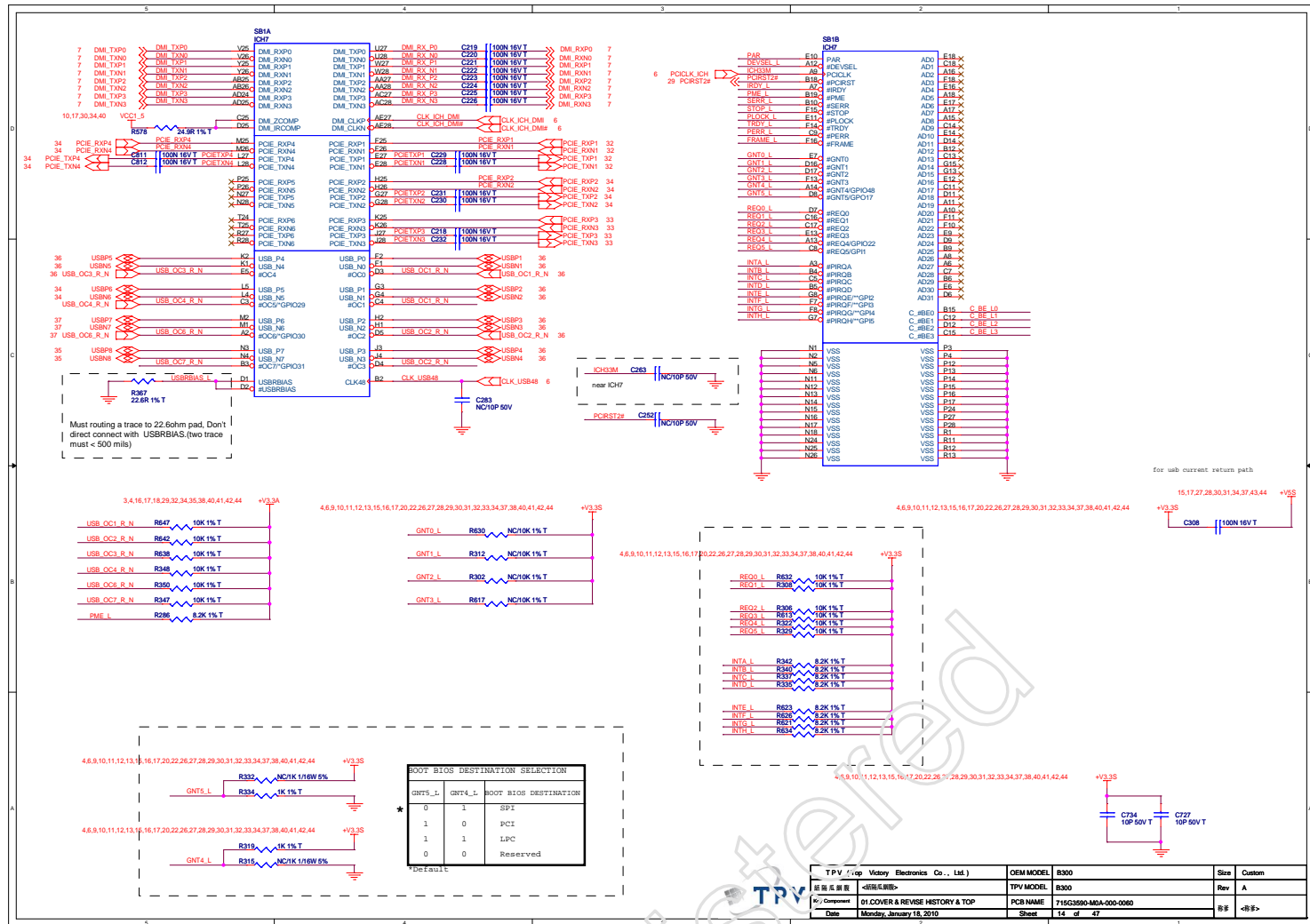
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	B300	Sta	Custom
<返回顶部>		TPV MODEL	B300	Rev	A
Rev. Comment: 01.00V1R - REVISE HISTORY & TOP		PCB NAME	71523590-40A-000-000-000		
Date: Monday, July 18, 2010		Sheet	7 of 47	<结束>	

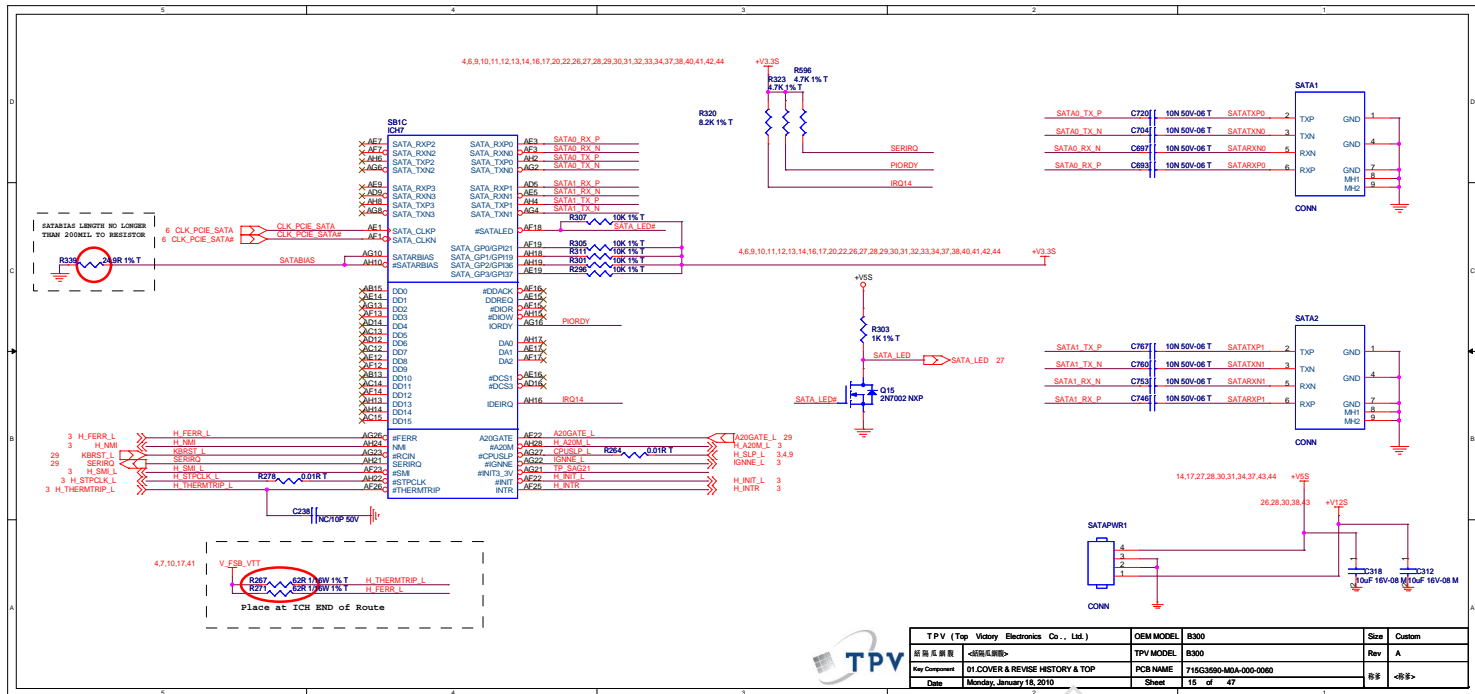


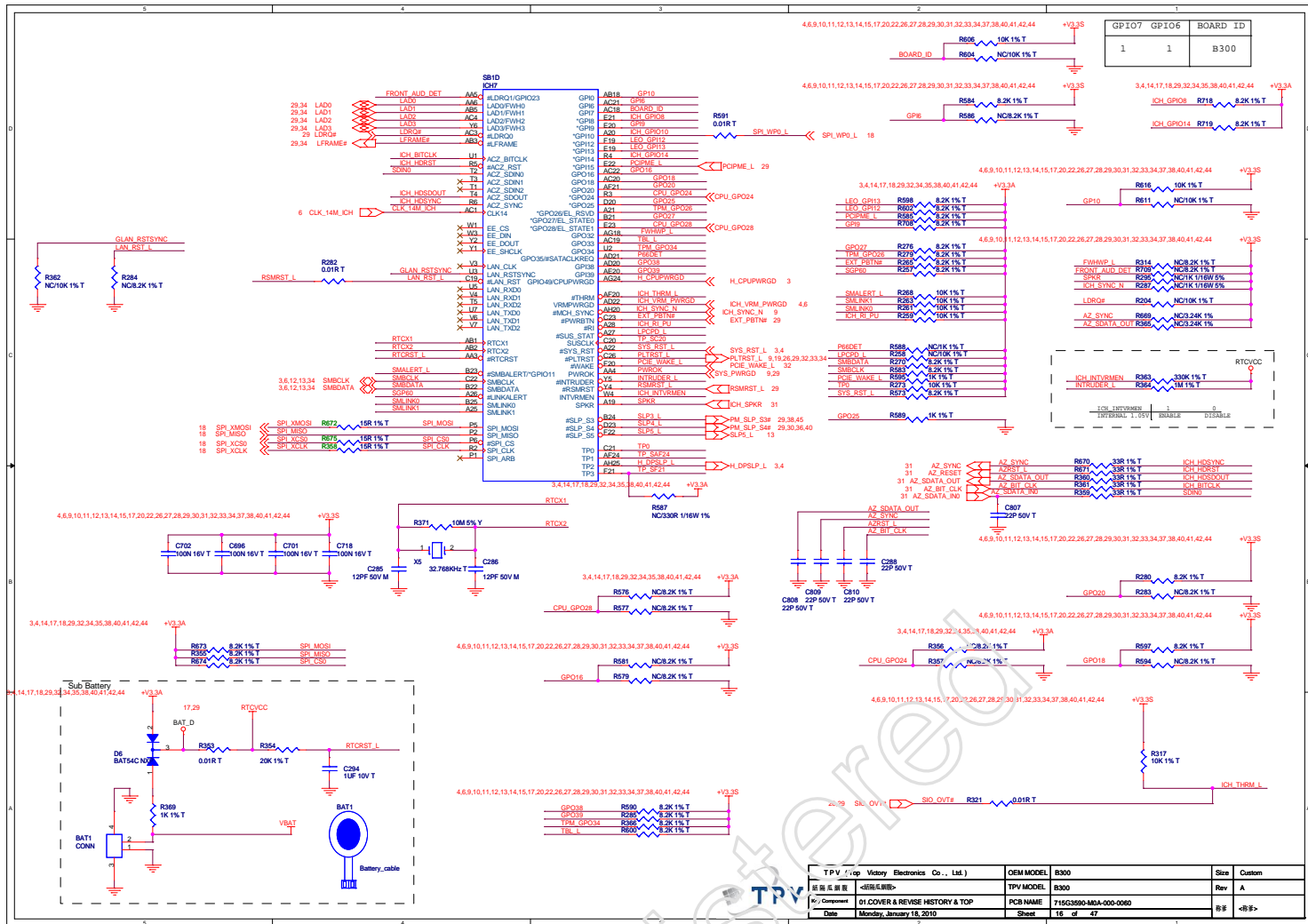
5.2mm Standard Type



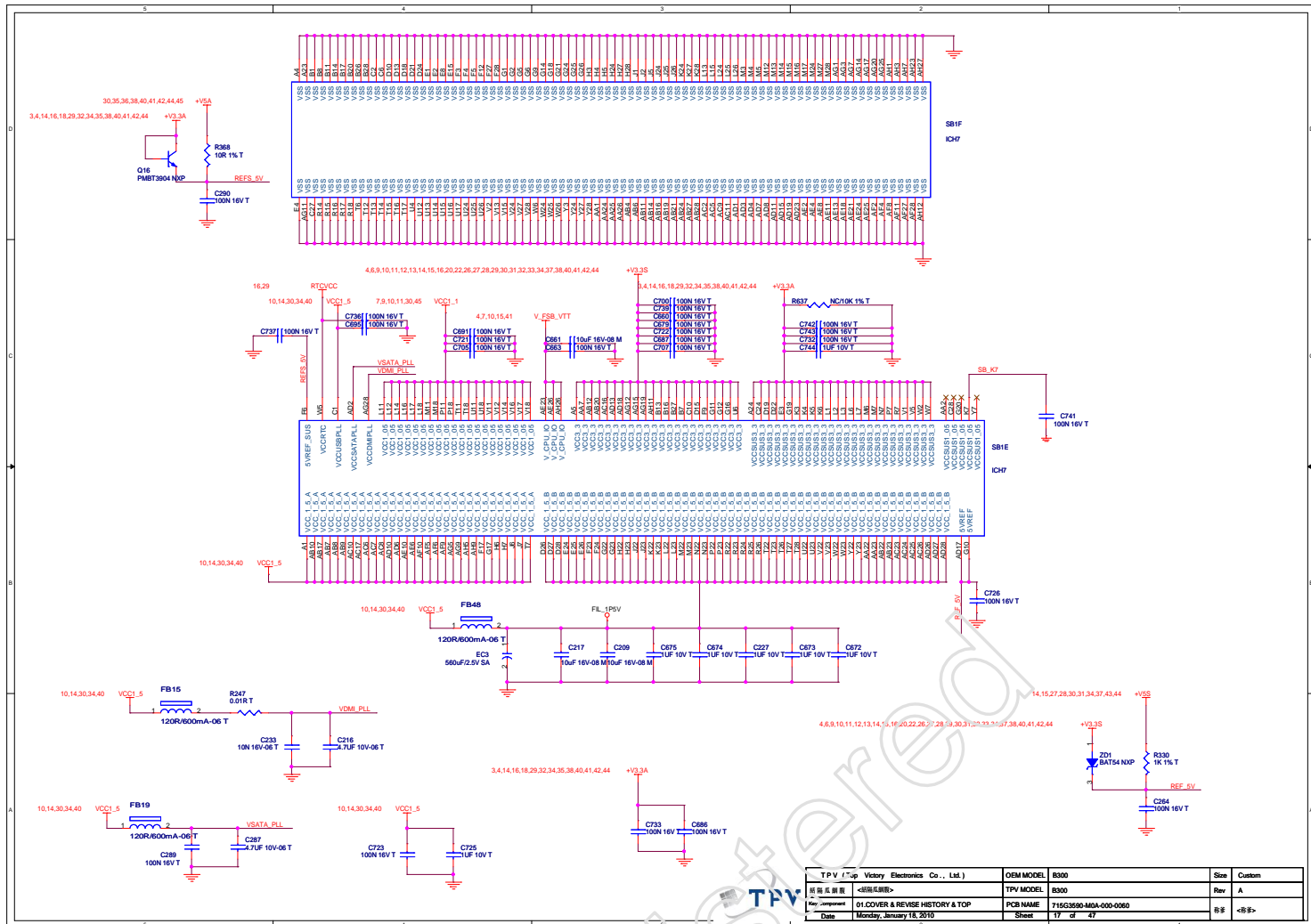
TPV (Top Victory Electronics Co., Ltd.)	GEM MODEL	B300	Size	Custom
TPV MODEL	B300	Rev	A	
PCB NAME	71603990-M2A-000-000	B/B		
Sheet	12 of 47			





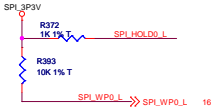
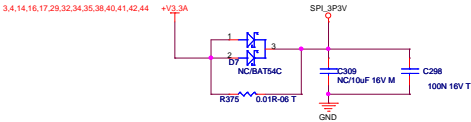


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
Rev 5.0	PCB NAME	715G3590-MDA-000-0000	Rev	A
File Comment	01 COVER & REVERSE HISTORY & TOP	Sheet	16	of 47
Date	Monday, January 18, 2010			

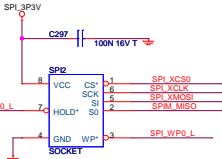


TPV / Top Victory Electronics Co., Ltd.		OEM MODEL	B300	Size	Custom
规格及副表	<规格副表>	TPV MODEL	B300	Rev	A
Key component	01.COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-M0A-000-0060	序号	<序号>
Date	Monday, January 18, 2010	Sheet	17 of 47		

SPI ROM

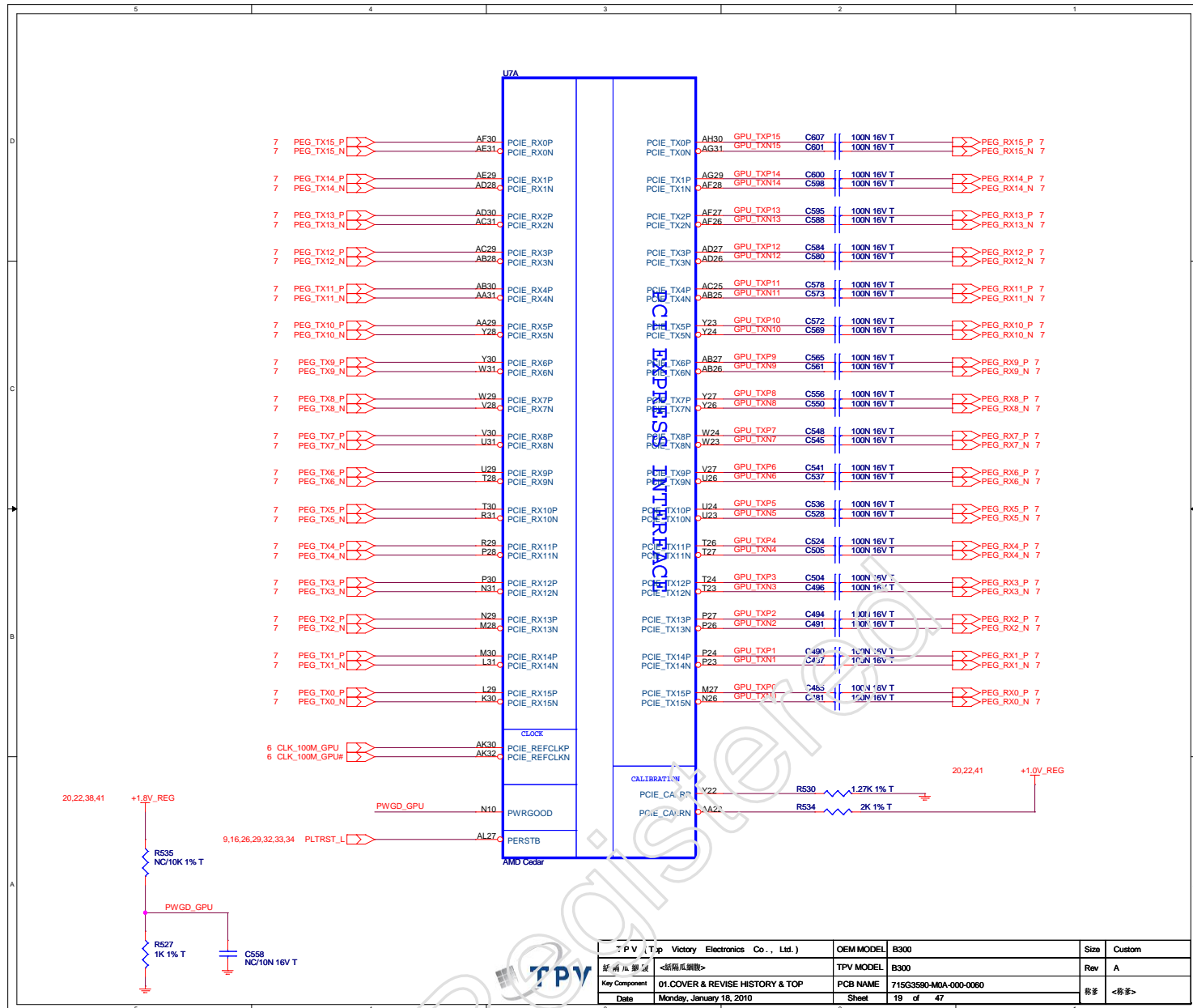


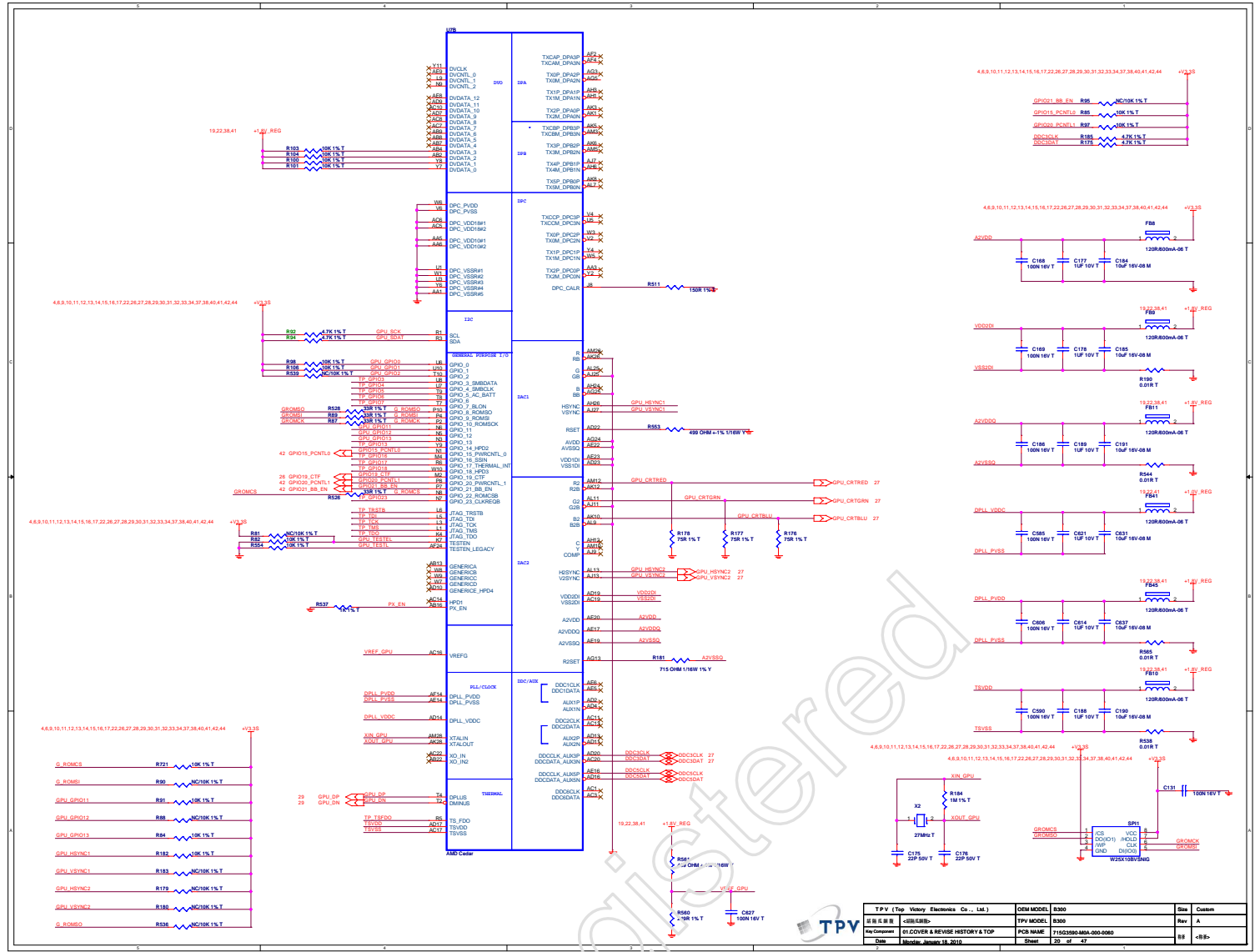
OEER=Flash Write Unprotect
SEER=Flash Write Protect



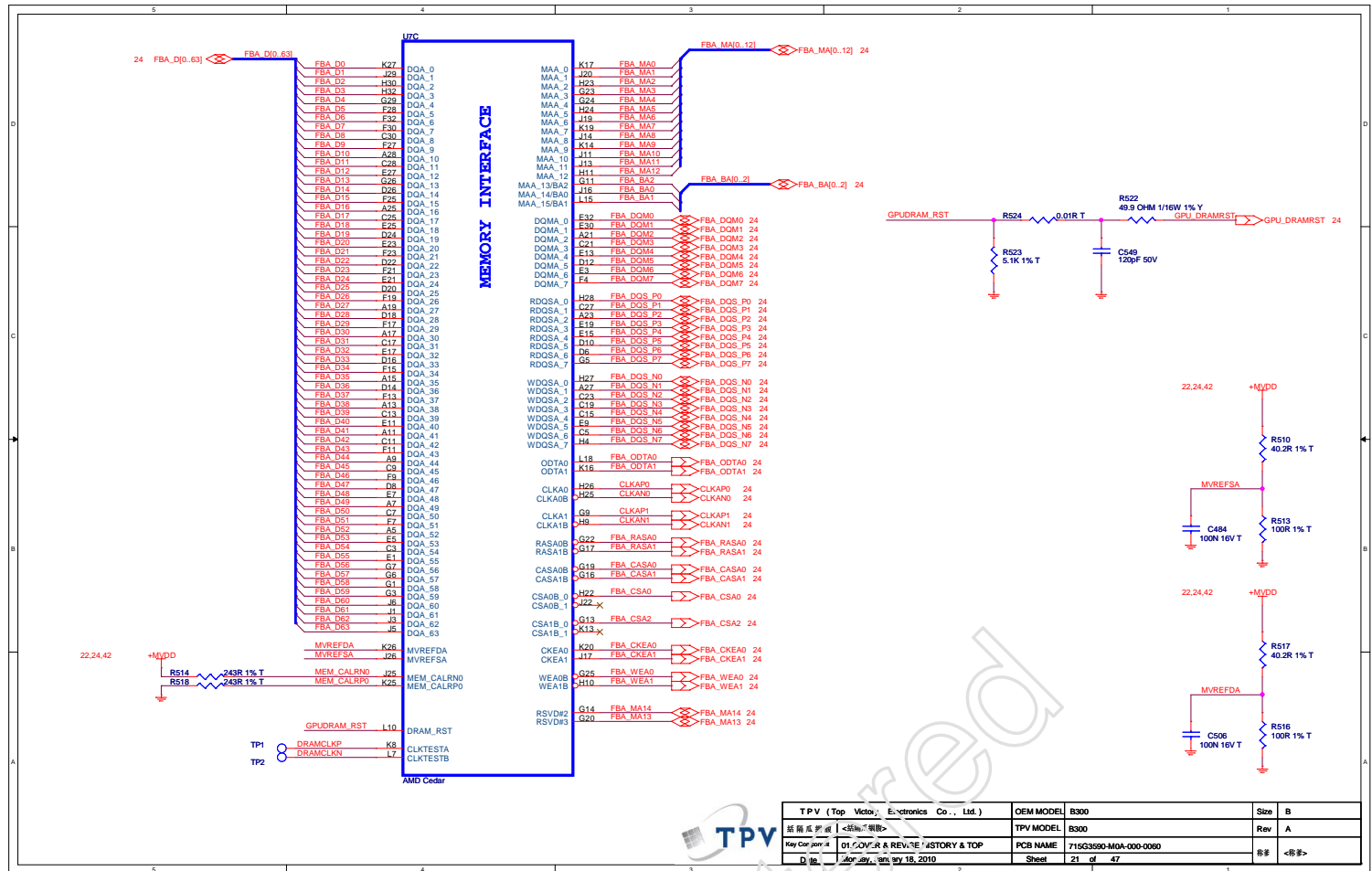
1st -- 56G1133951 Winbond W25Q16BVSSIG
2nd -- 56G1133 97 MXIC MX25L1605MC-12G

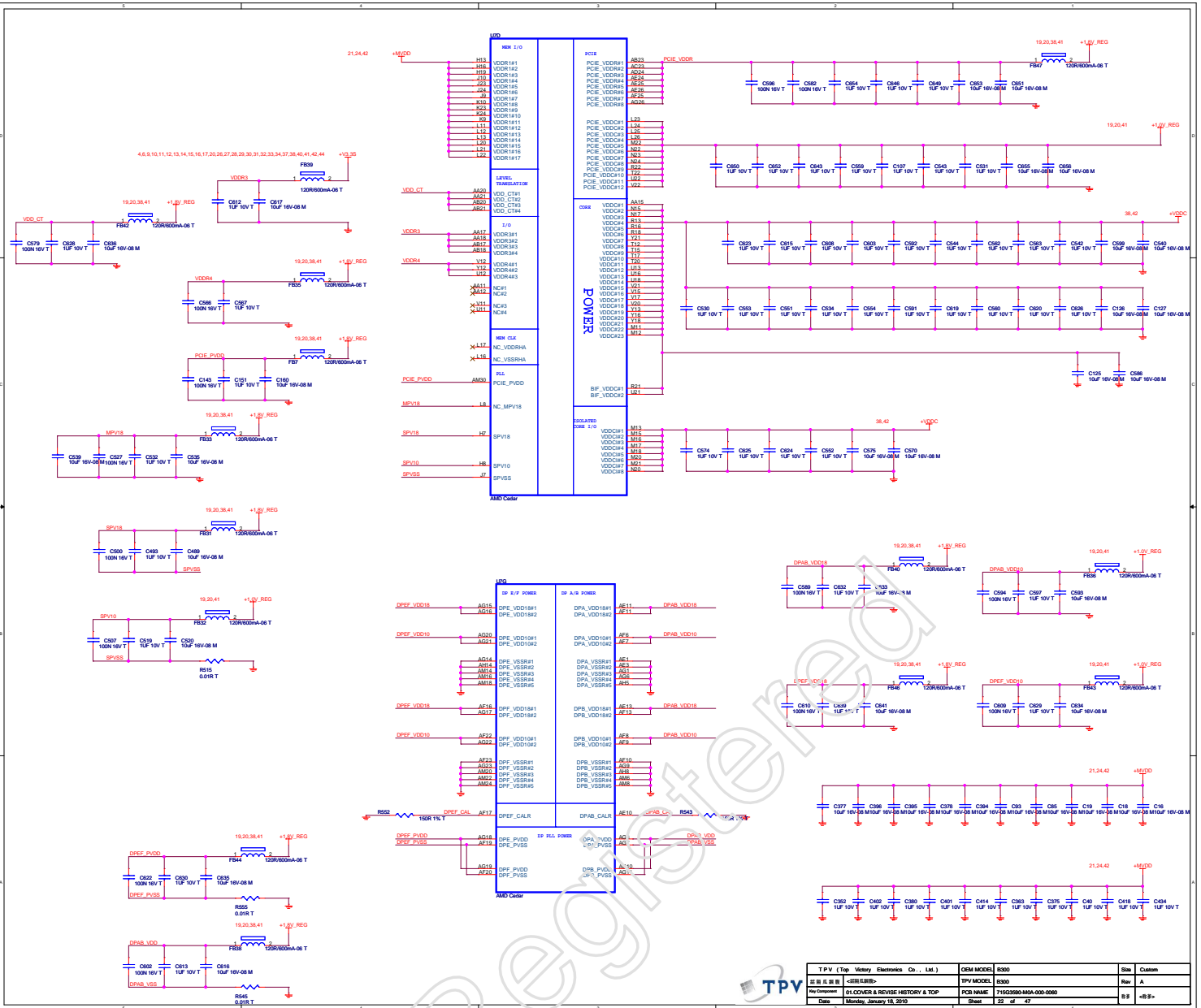
TPV (Victory Electronics Co., Ltd.)	DEM MODEL R300	Size	Custom
TPV MODEL R300		Rev	A
TPV NAME 716C3590-MDA-000-0060		Sheet	16 of 47
Date Monday, January 18, 2010			

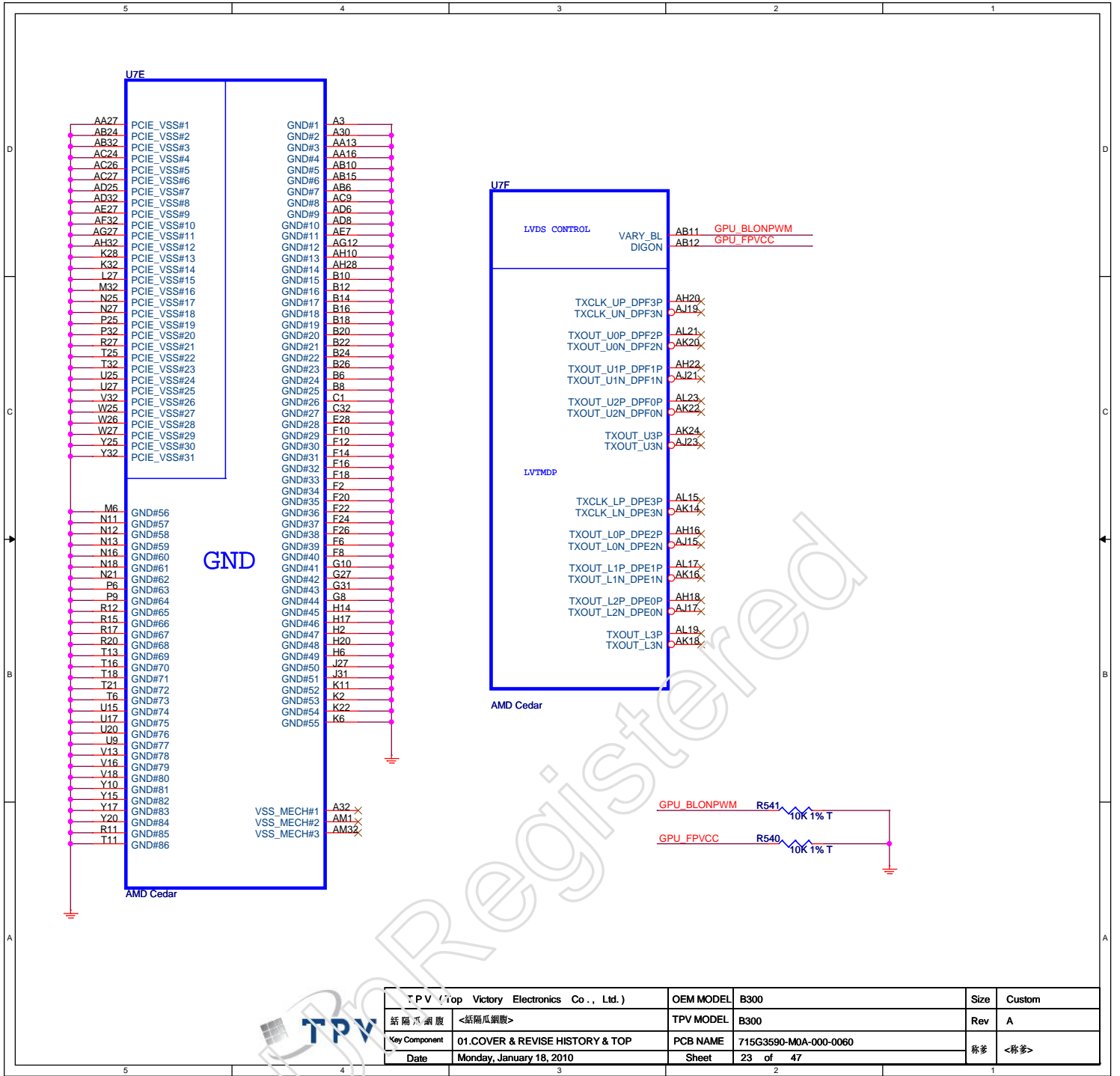




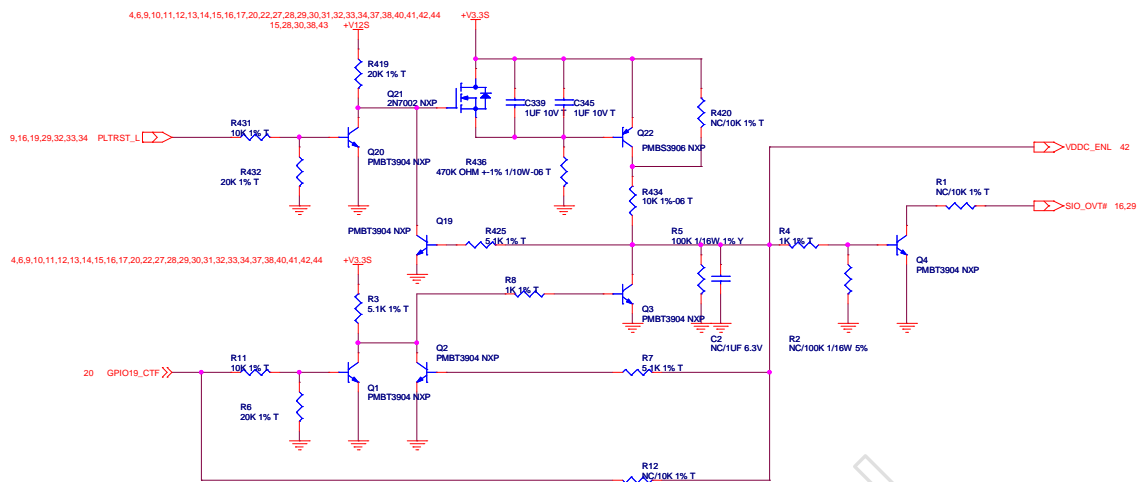
TPV (Top Victory Electronics Co., Ltd.)	DEM MODEL	B300	Rev	Custom
TPV MODEL	B300		Rev	A
Rev Component	01 COVER & REVISE HISTORY & TOP	PCB NAME	71502090-M04-000-0000	
Dim	Model: Annex 1A-2016	Sheet	20 of 47	



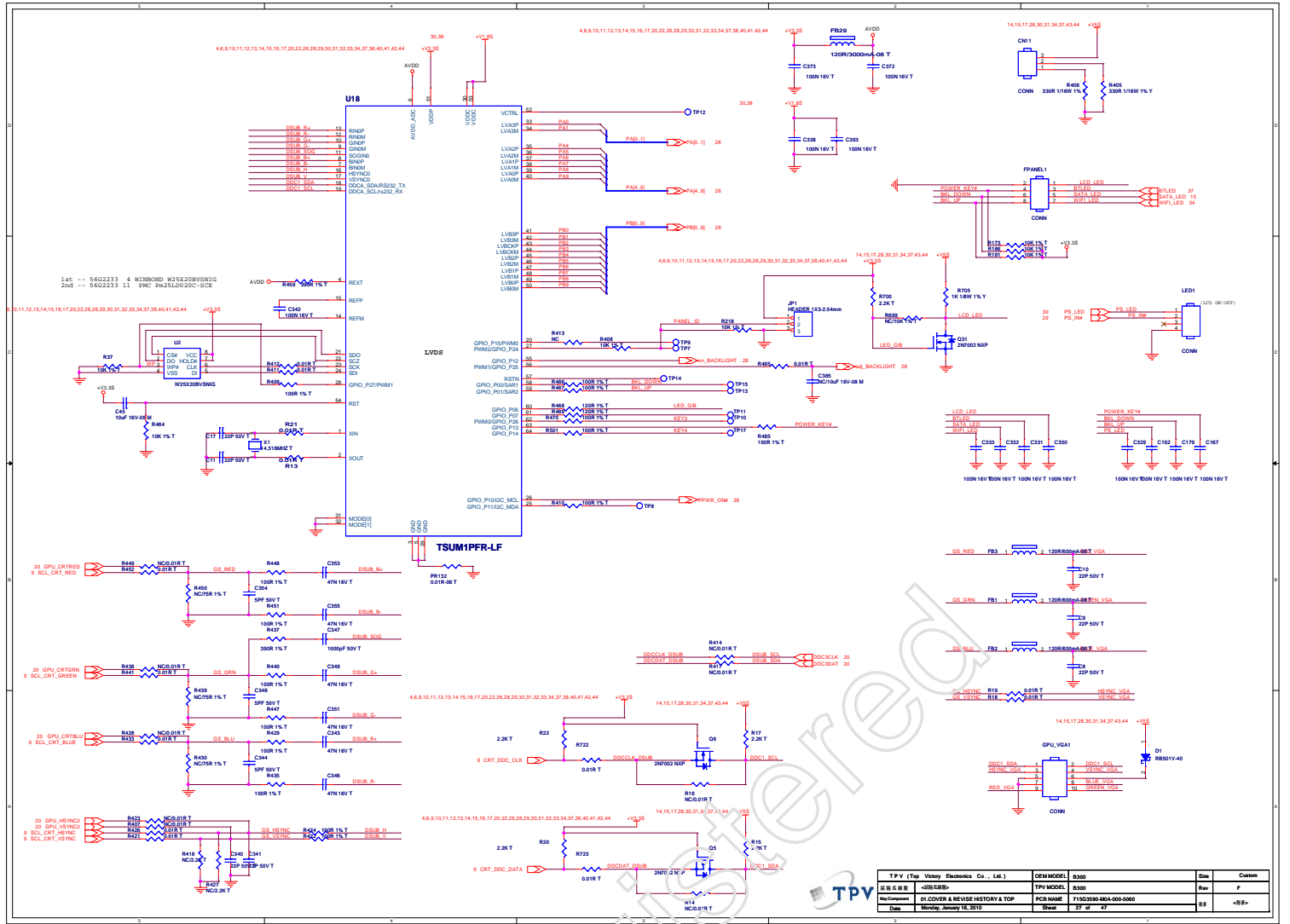




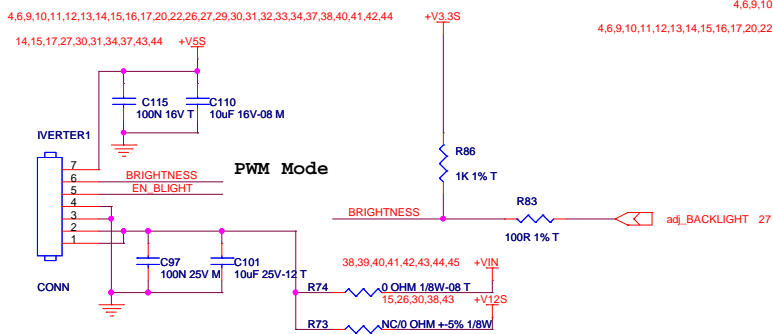
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
結構圖網表 <結構圖網表>	TPV MODEL	B300	Rev	A
Key Component	01.COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-MQA-000-0060	稱參 <稱參>
Date	Monday, January 18, 2010	Sheet	23 of 47	



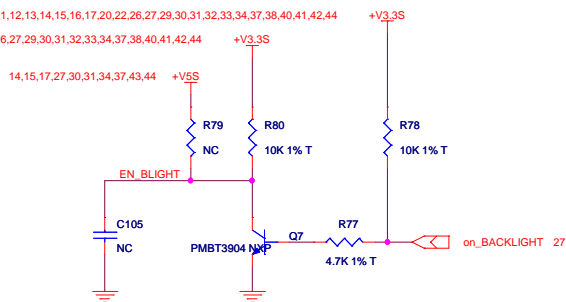
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	B
原廠式產品 <原廠圖>	TPV MODEL	B300	Rev	A
Key Component D1 COVER & REVISE HISTORY & TOP	PCB NAME	715G3990-M0A-000-0080	Figure	<Figure>
Drawn by 18, 2010	Sheet	26 of 47		



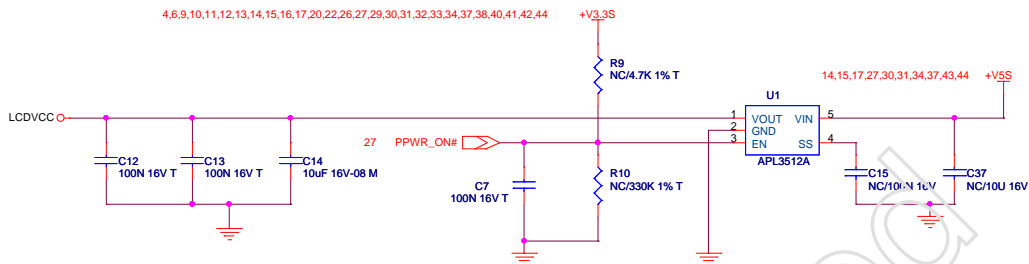
BRIGHTNESS CONTROL



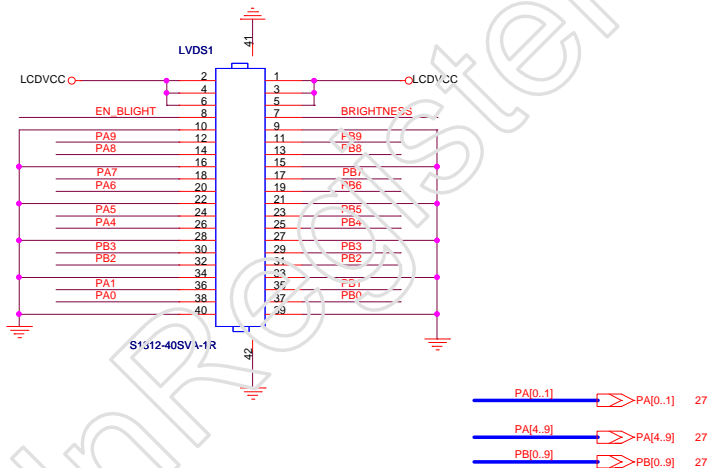
BACKLIGHT ENABLE



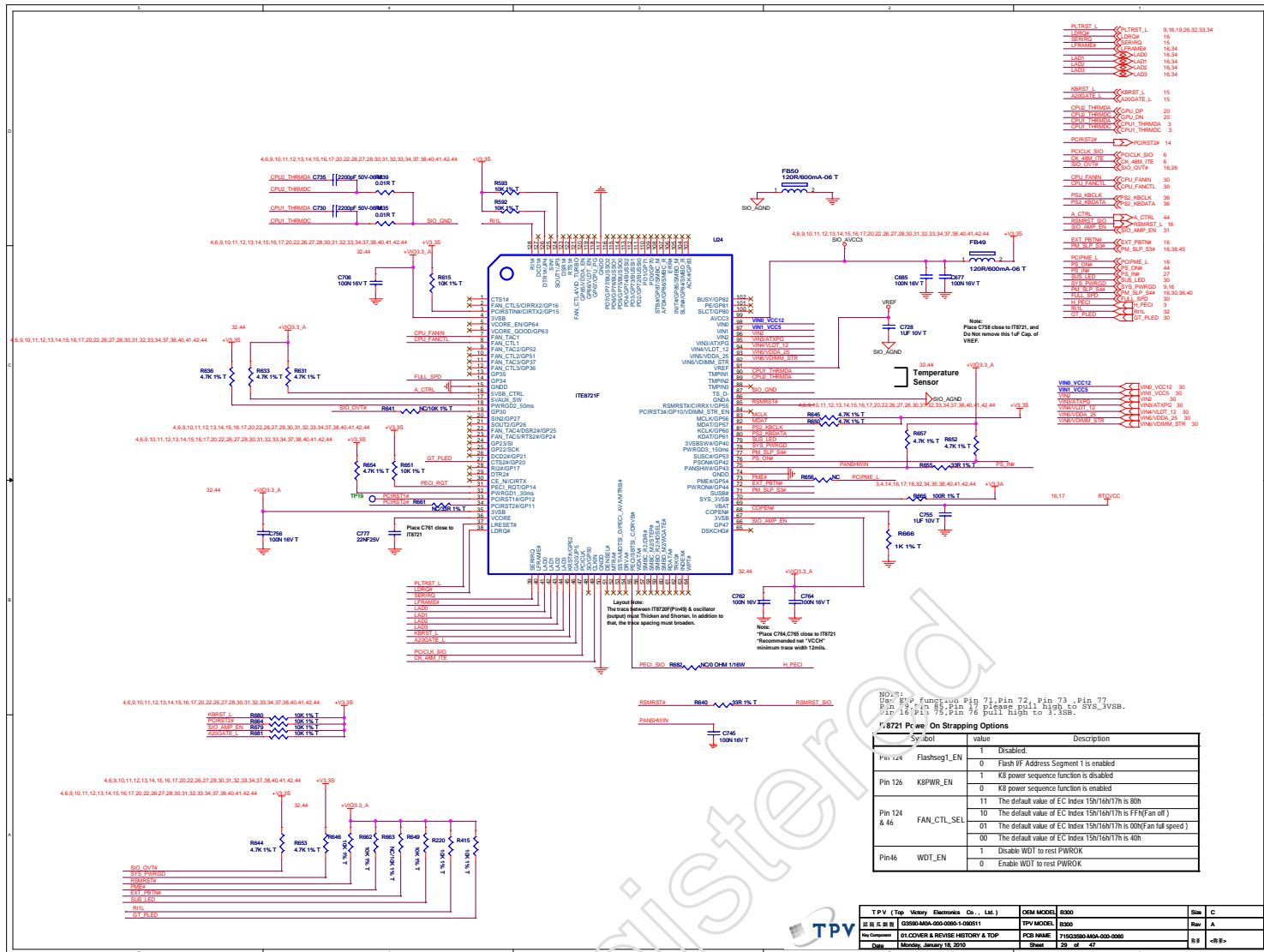
PANEL VCC CONTROL



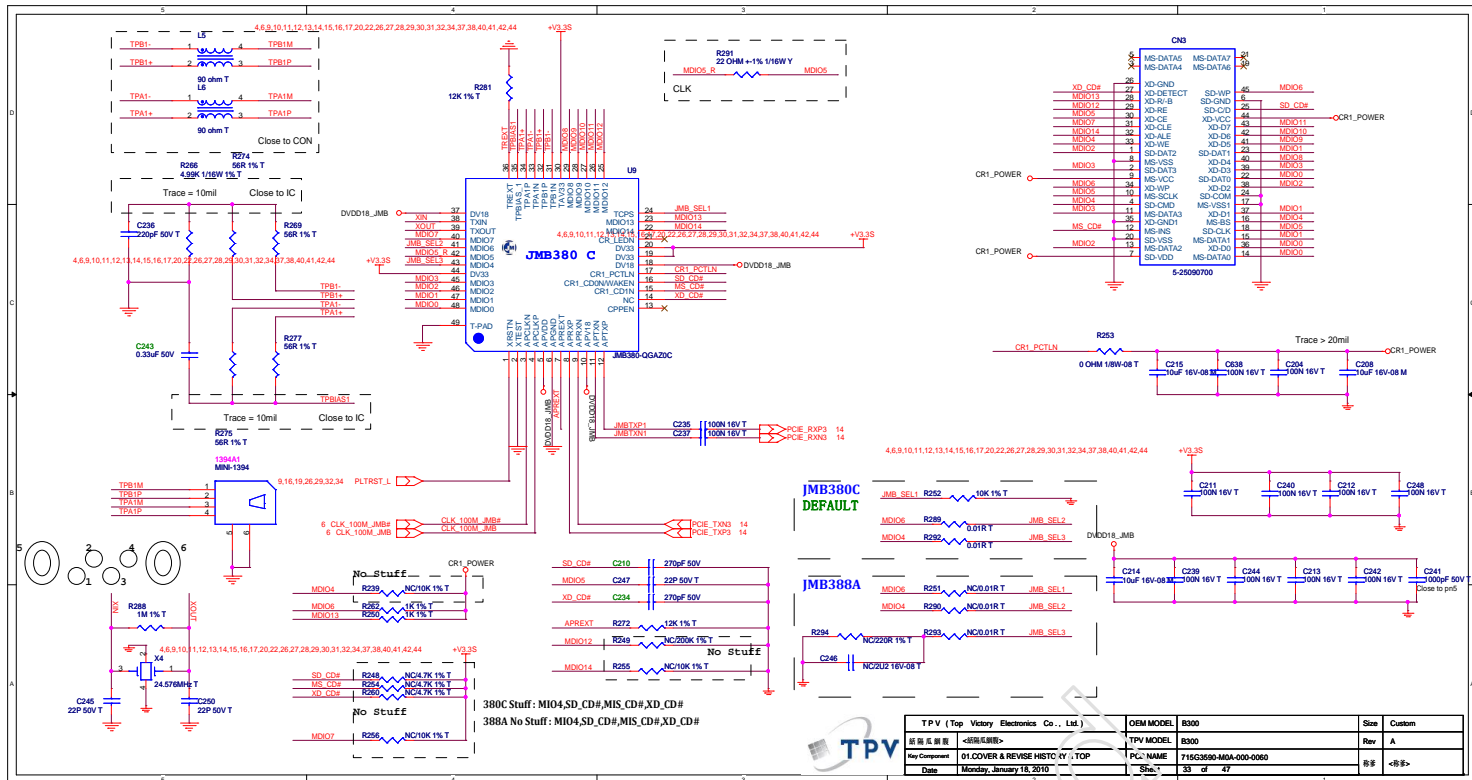
M/B LVDS CONN

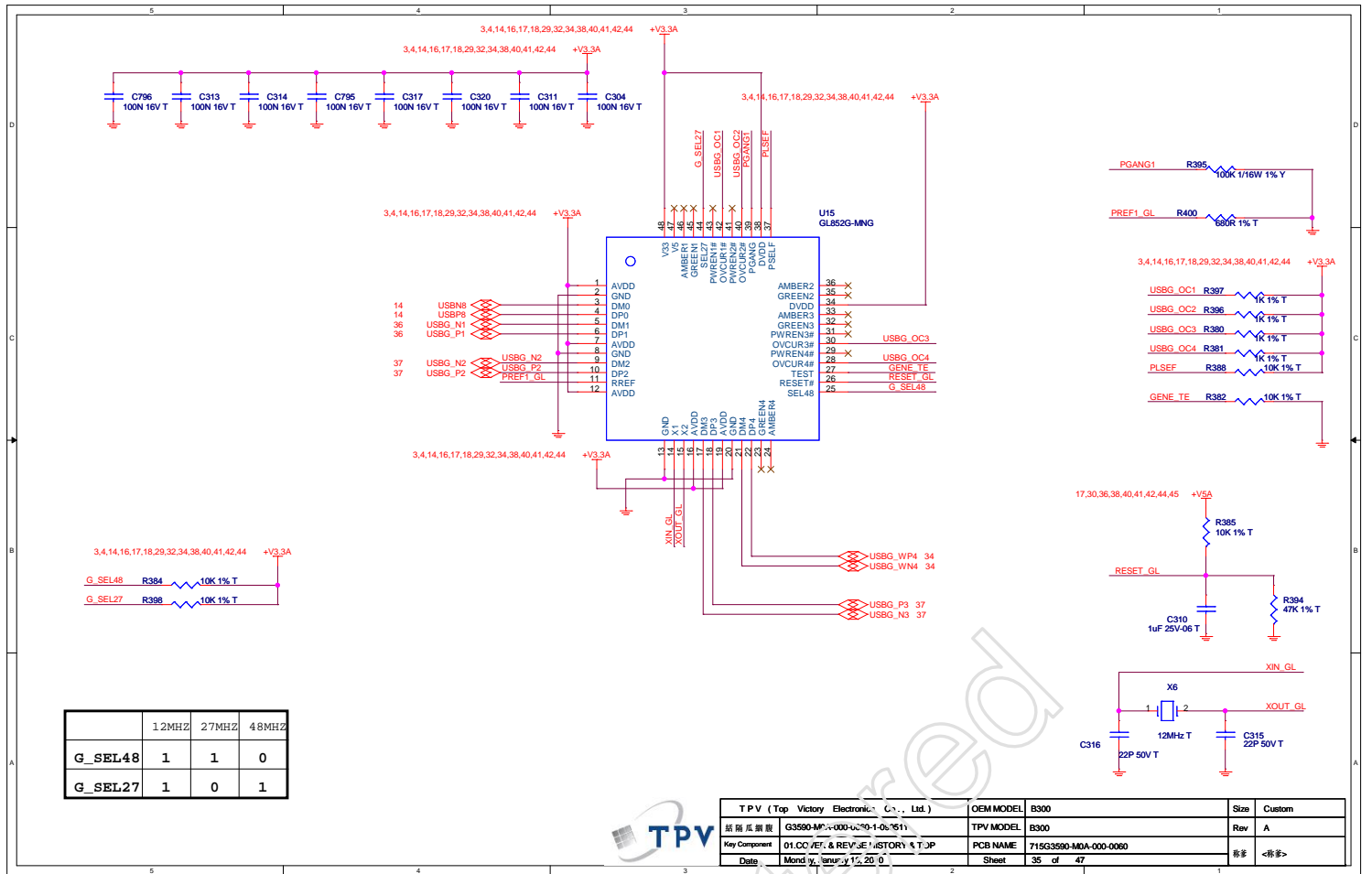


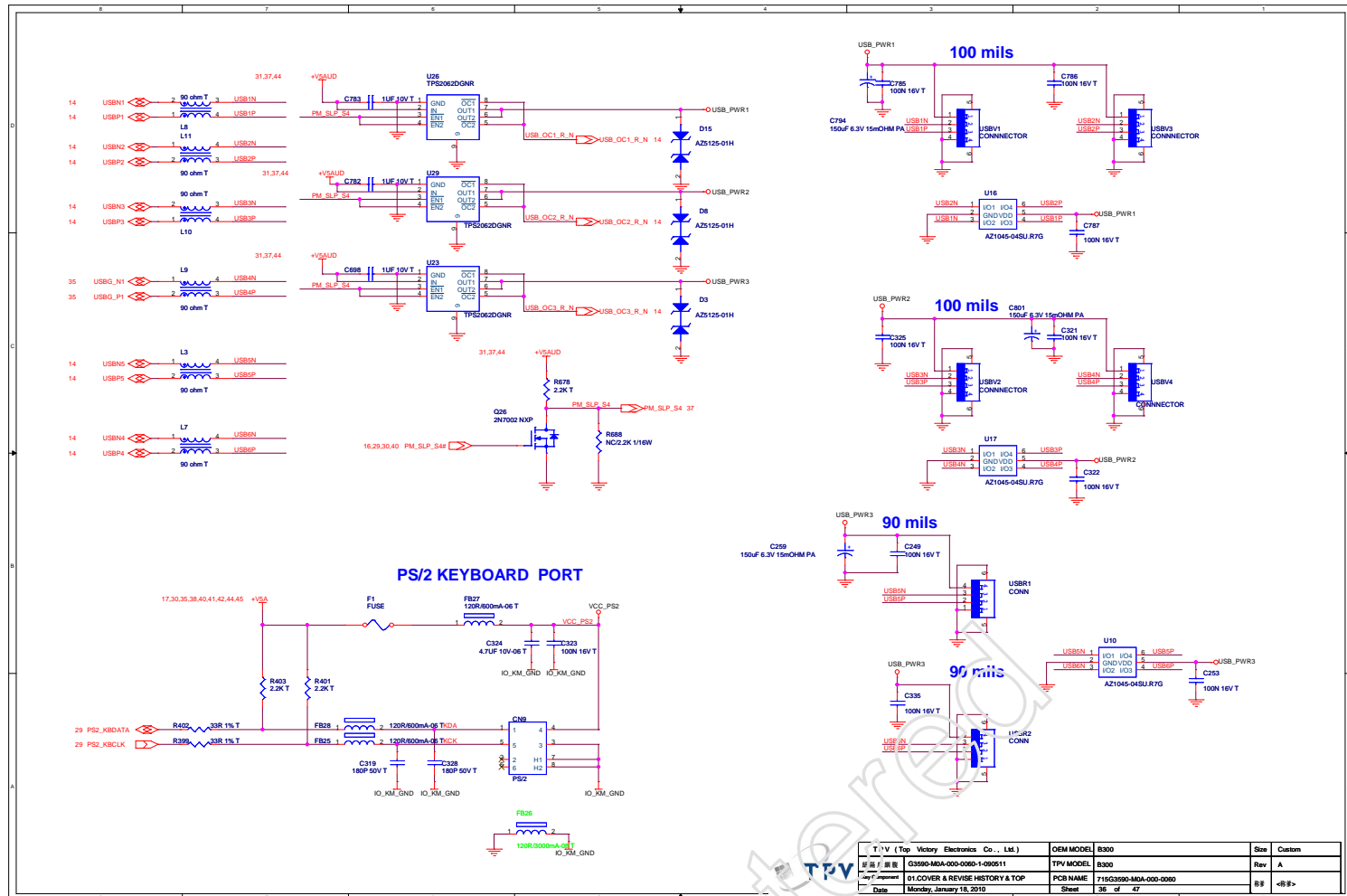
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
話筒瓜 銅版 <話筒瓜銅版>	TPV MODEL	B300	Rev	A
Key Component	01.COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-M0A-000-0060	移參 <移參>
Date	Monday, January 18, 2010	Sheet	28 of 47	



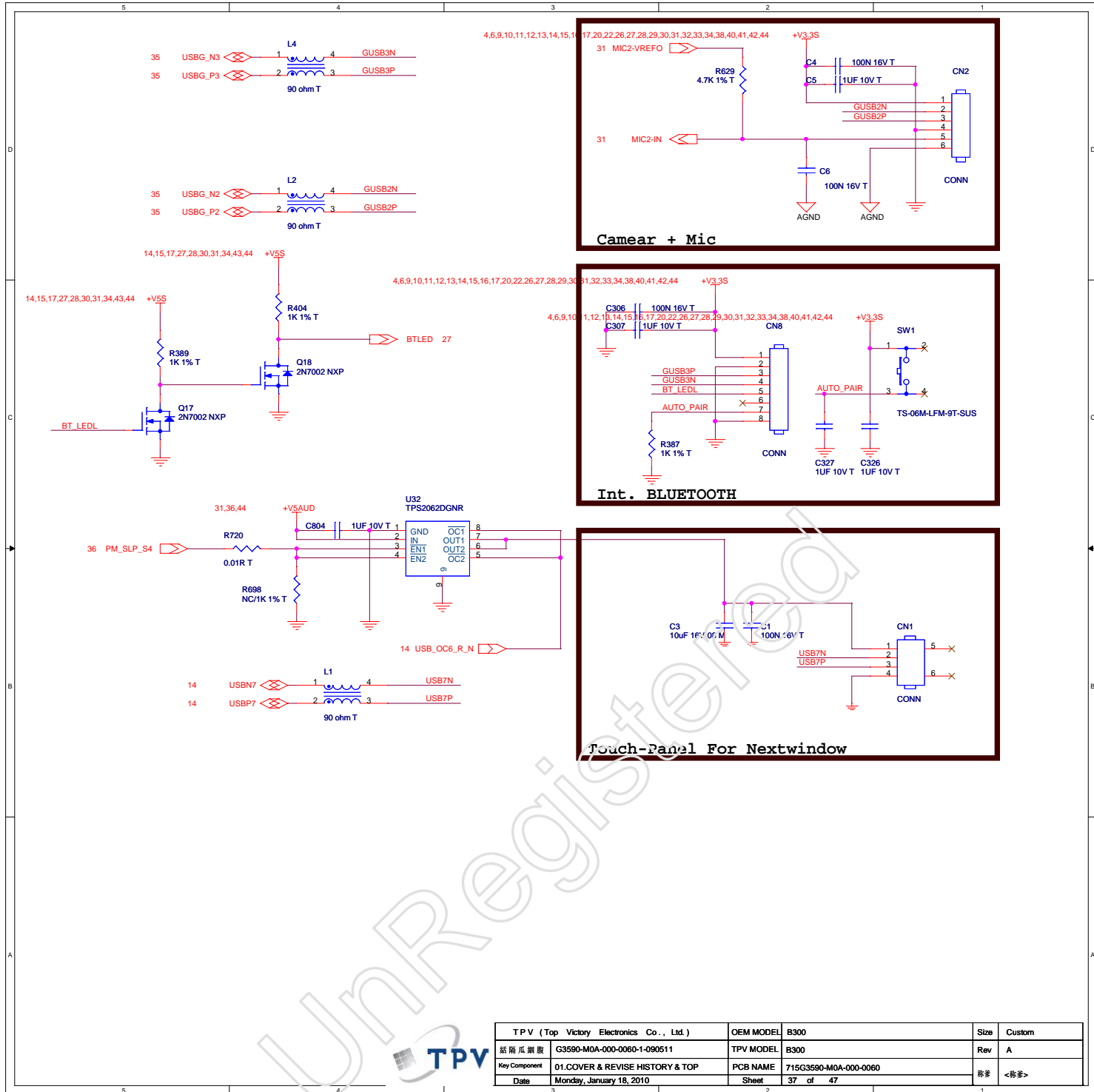
TPV (Top)	Version	Electronics	Ch. 1M.	QDM MODEL	S300	Rev	C
SE & E	03990-AAA-000-0000-1-000511	TPV MODEL	S300	PCB NAME	7150203990-AAA-000-0000	Rev	A
Doc	01 COVER & REVERSE HISTORY & TOP	Doc	Monday, January 18, 2010	Sheet	25 of 47	Rev	



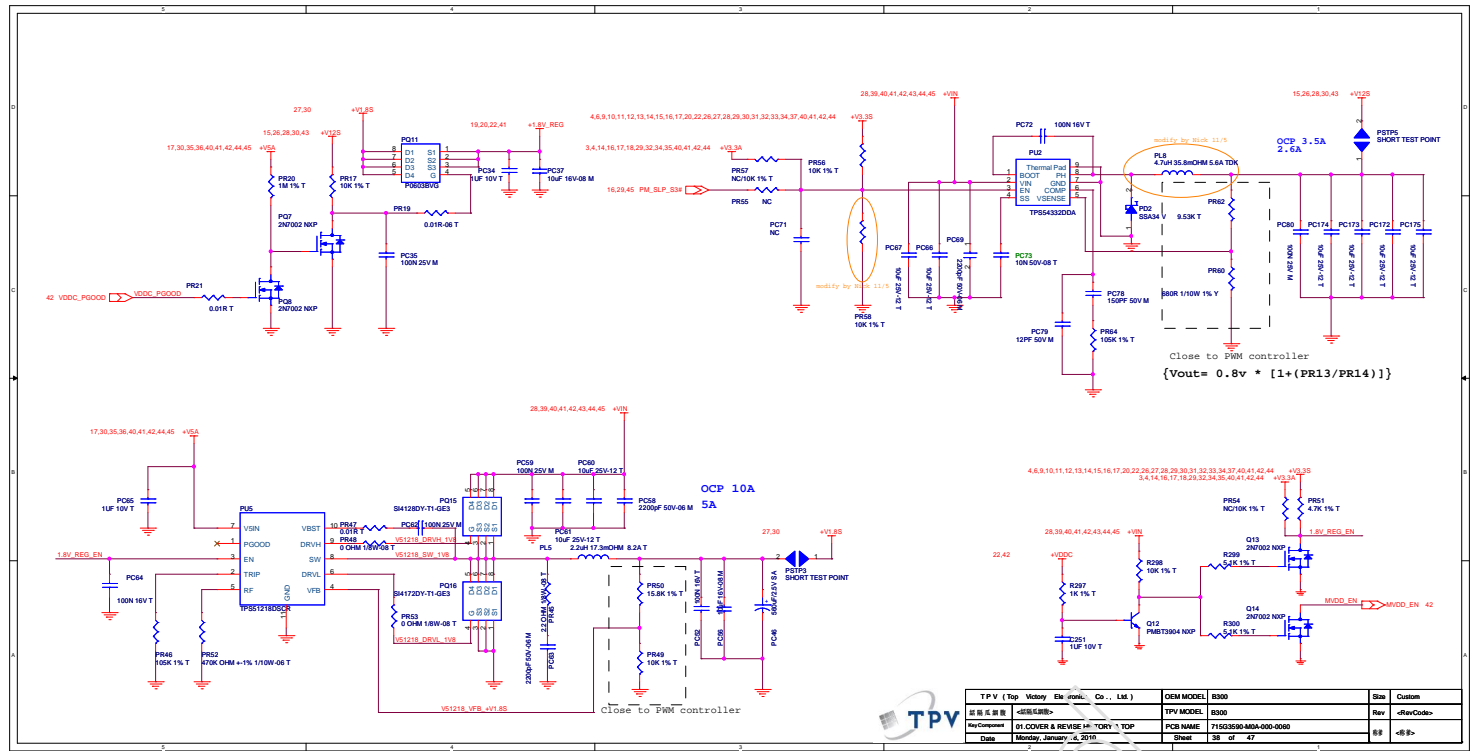


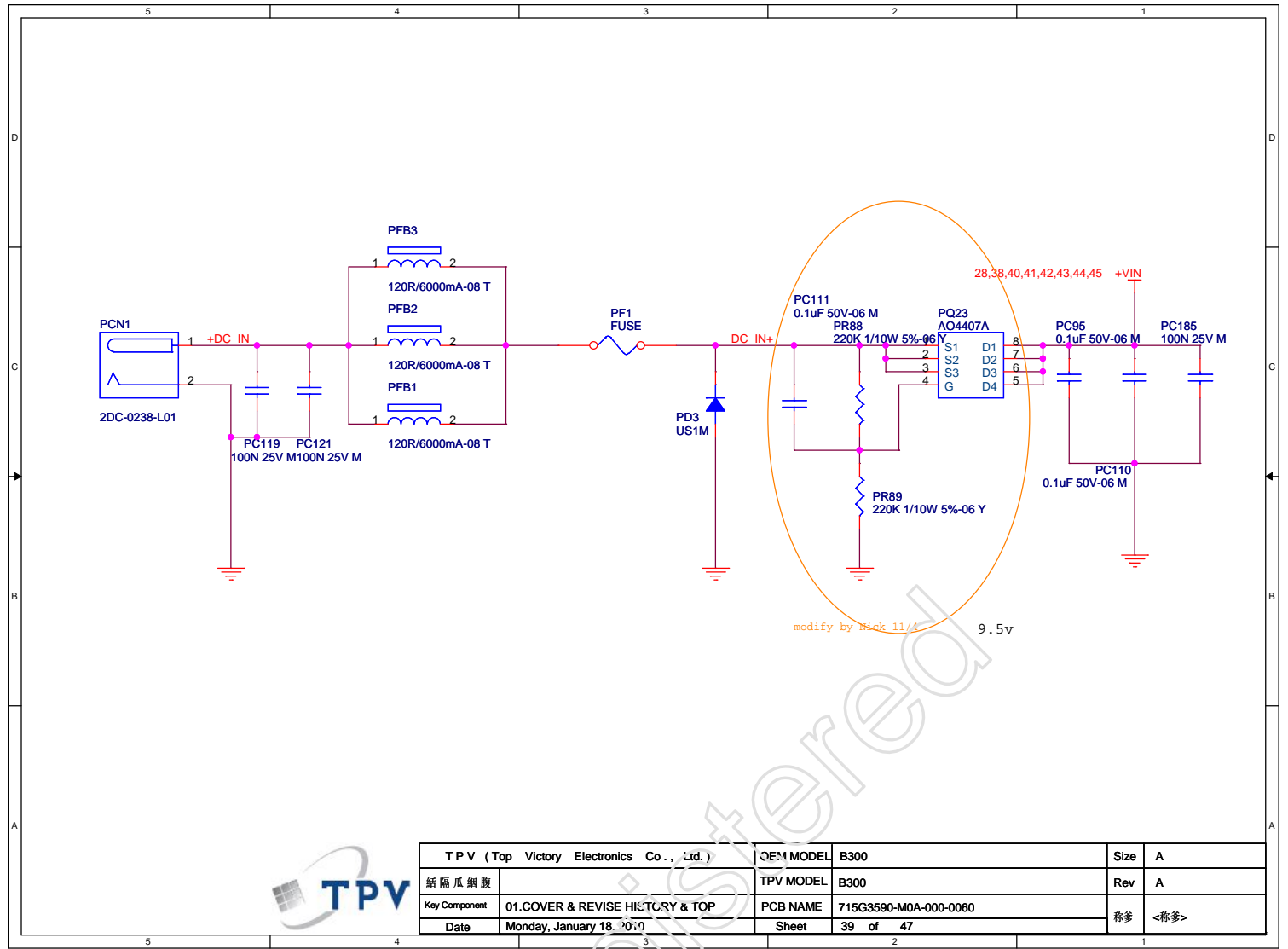


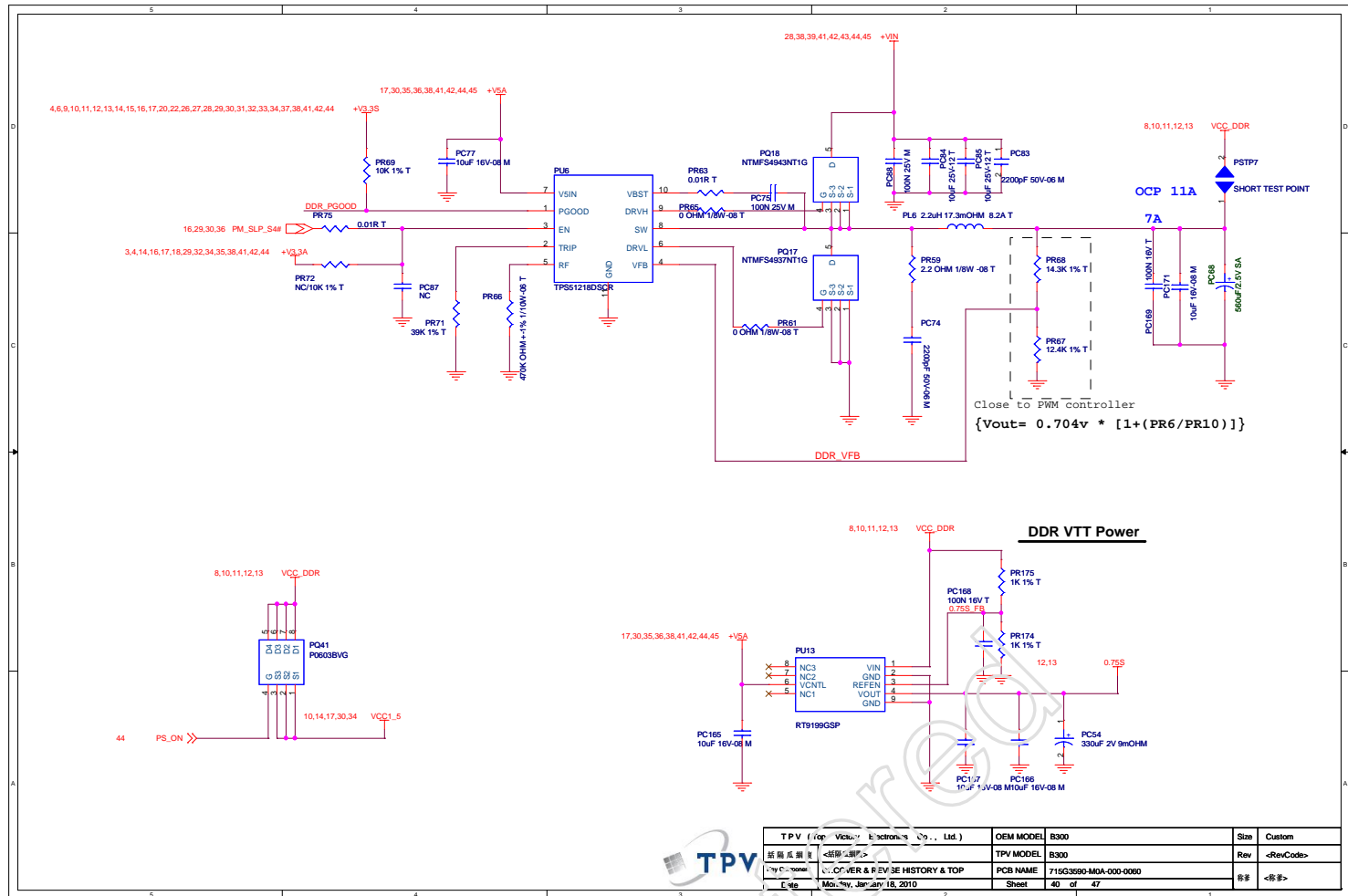
TPV	T/V (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
TPV	TPV MODEL	B300	Rev	A	
TPV	TPV COVER & REVISE HISTORY & TOP	PCB NAME	715G3990-MGA-000-0090	B/E	<B/E>
TPV	Date	Monday, January 18, 2010	Sheet	35 of 47	

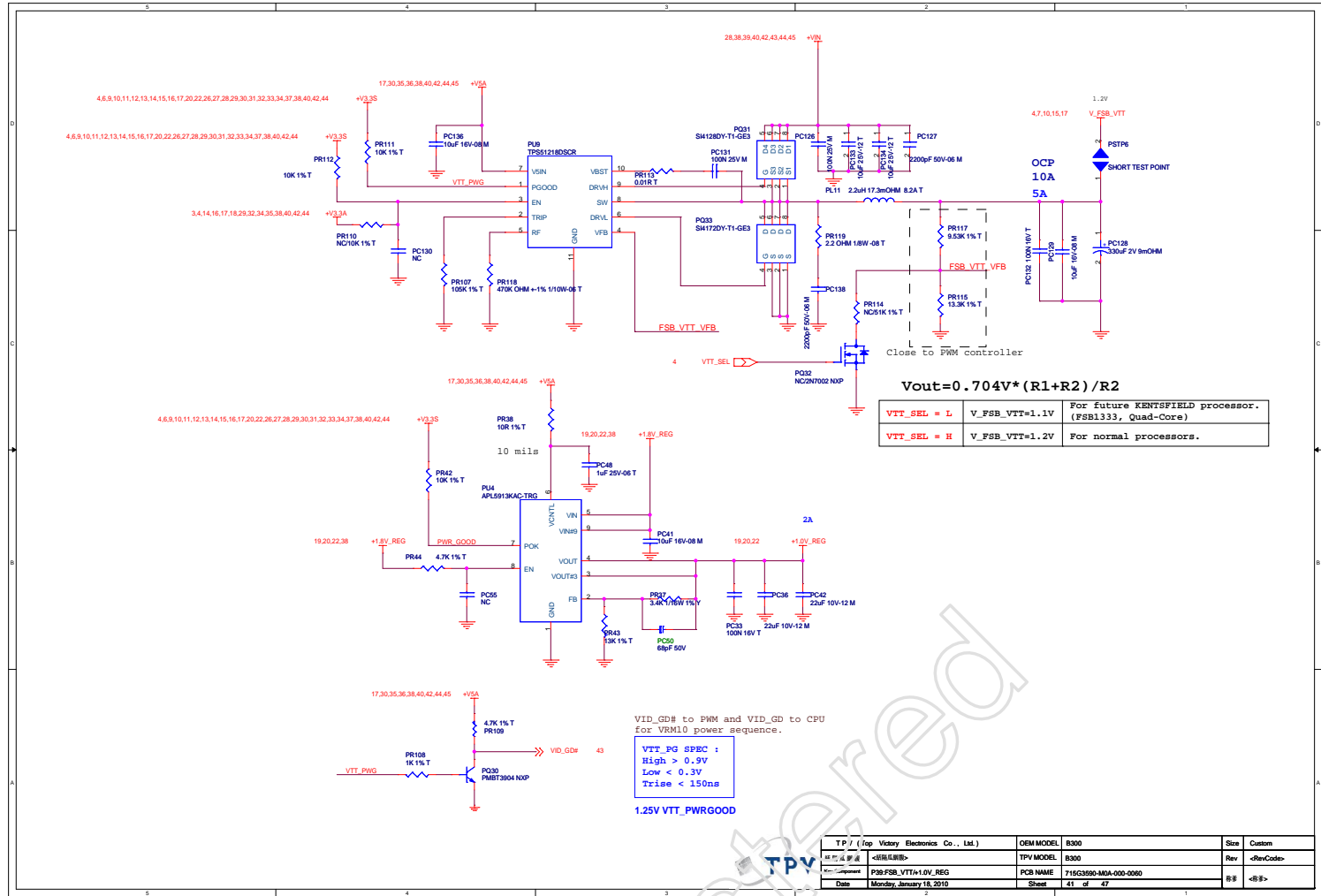


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
銘南瓜製版	G3590-M0A-000-0060-1-090511	TPV MODEL	B300	Rev
Key Component	01.COVER & REVISE HISTORY & TOP	PCB NAME	715G3590-M0A-000-0060	A
Date	Monday, January 18, 2010	Sheet	37 of 47	移參 <移參>

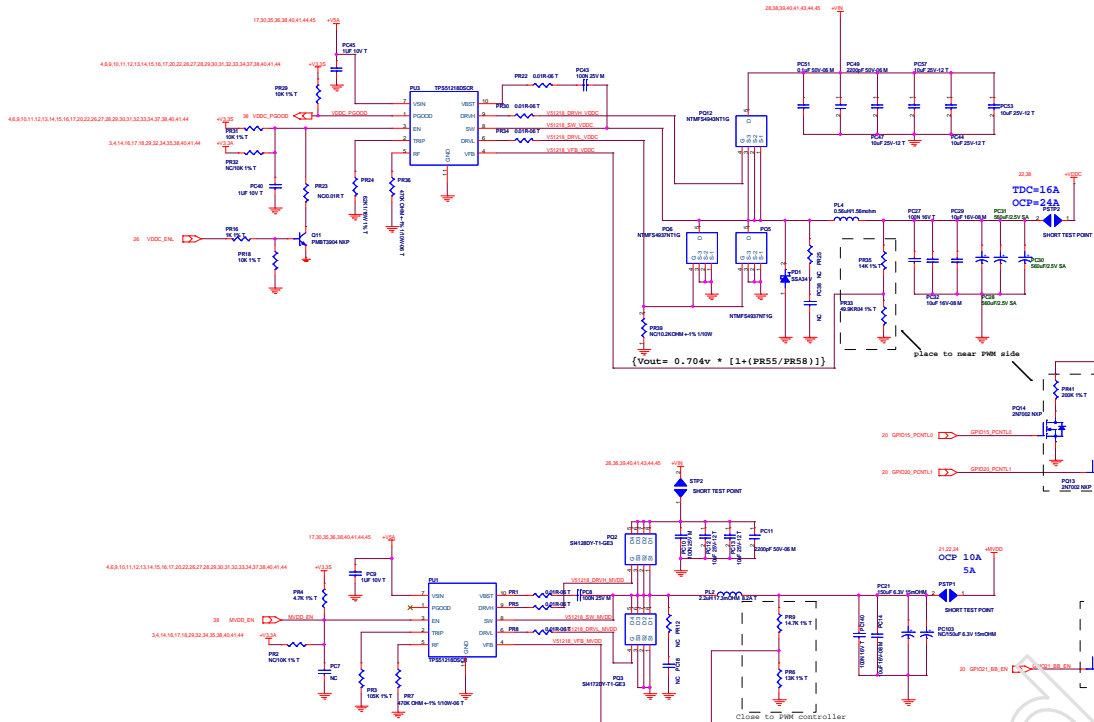








TP / (Top Victory Electronics Co., Ltd.)	OEM MODEL	B300	Size	Custom
TPV MODEL	B300	Rev	<RevCode>	
TPV Component	PBB-FSB_VTT+1.0V_REG	PCB NAME	715G3590-MDA-000-0000	B/F
Date	Monday, January 15, 2010	Sheet	41 of 47	

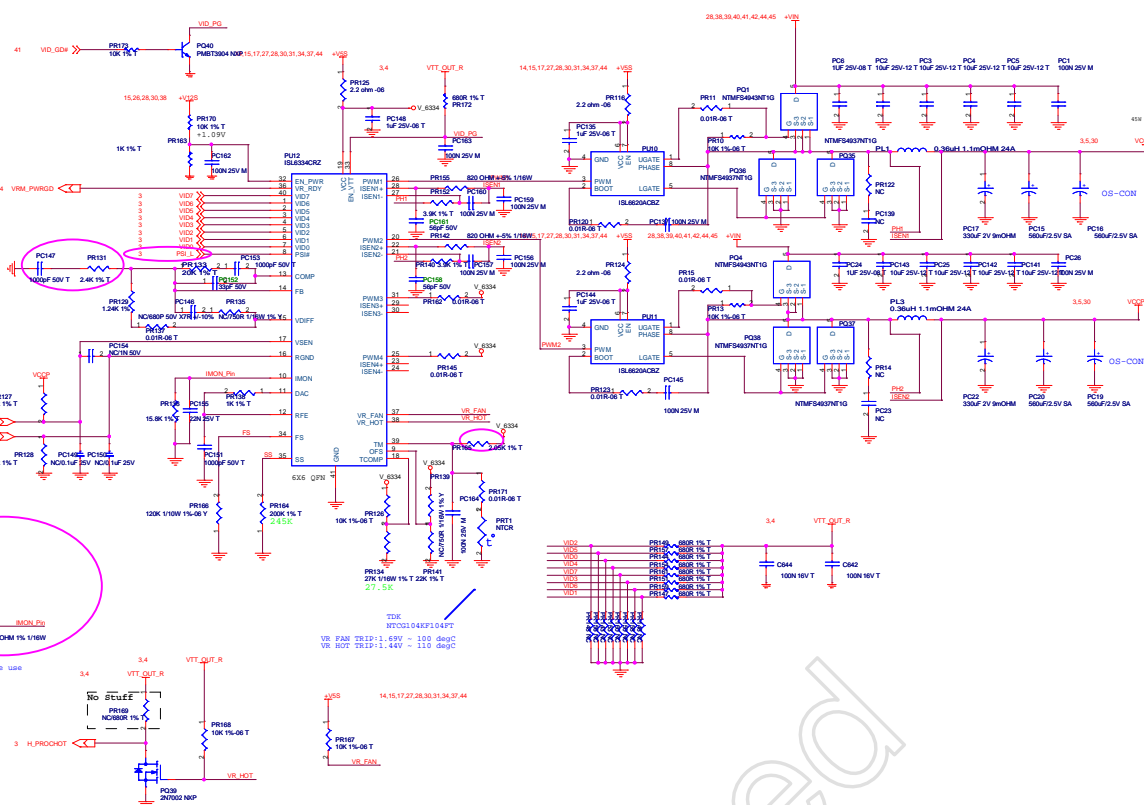
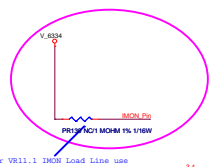


GP10?	GP10?	VSDC
0	0	0.90v
0	1	0.90v
1	0	1.10v
1	1	1.15v

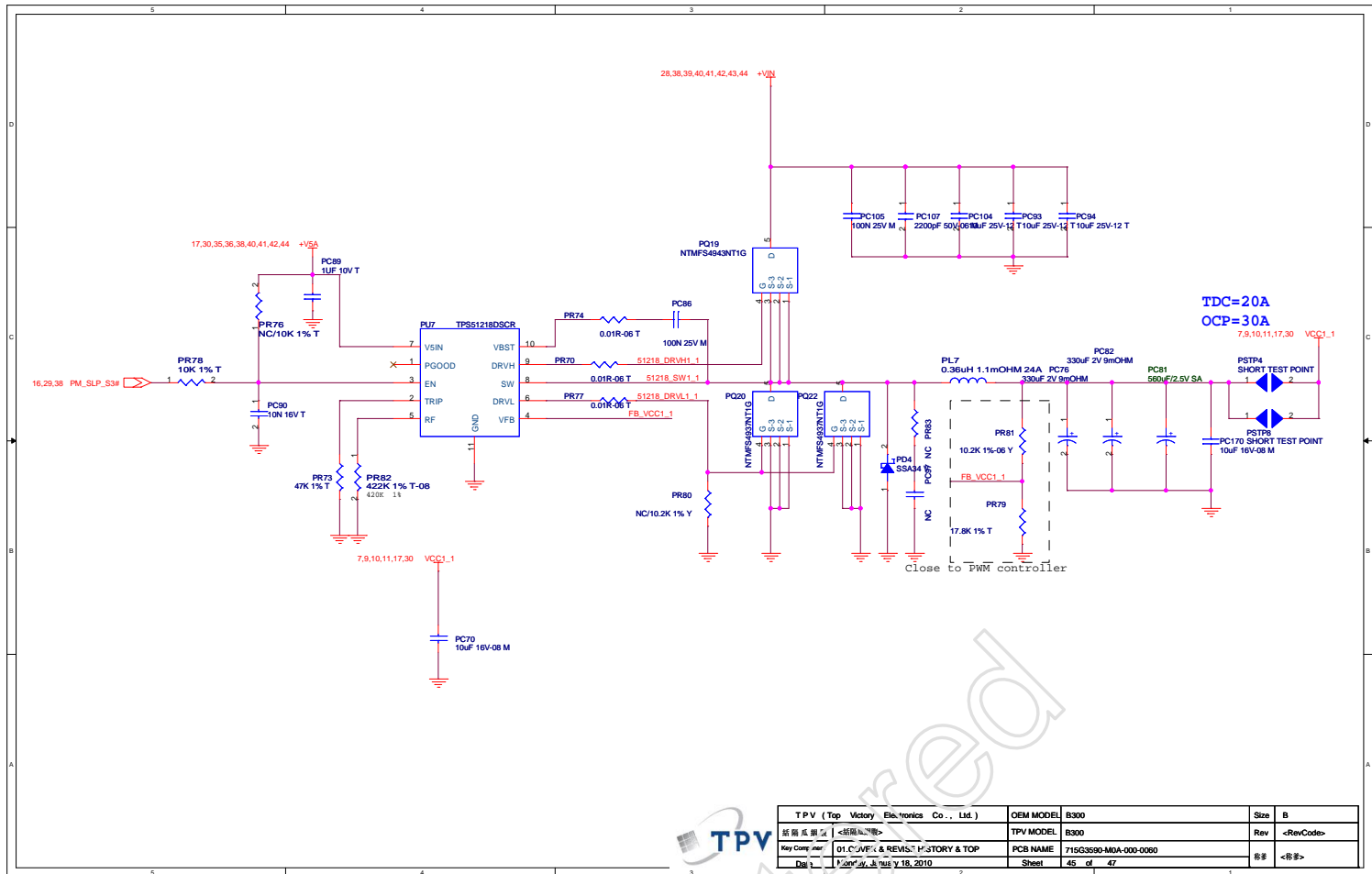
GP10?	MYSD	Normal Voltage
0	1.5v	Normal Voltage
1	1.8v	

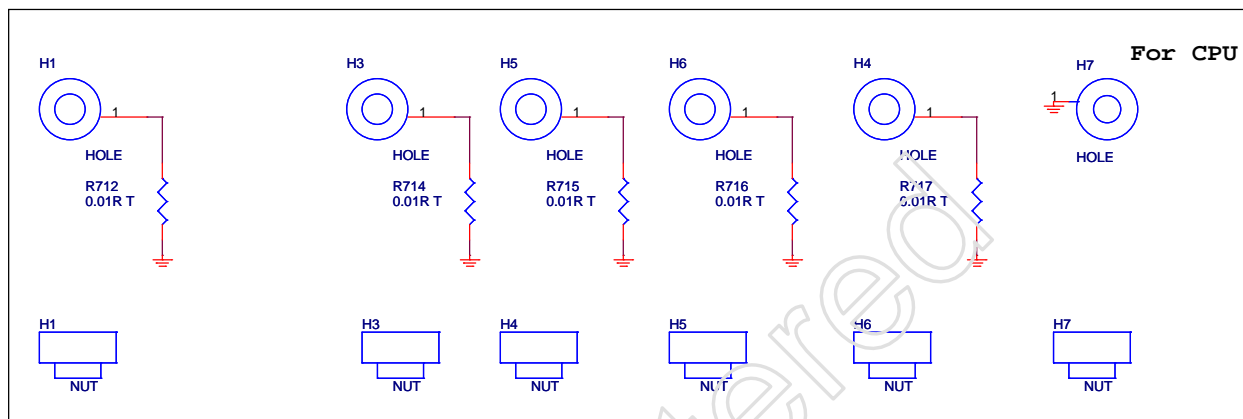
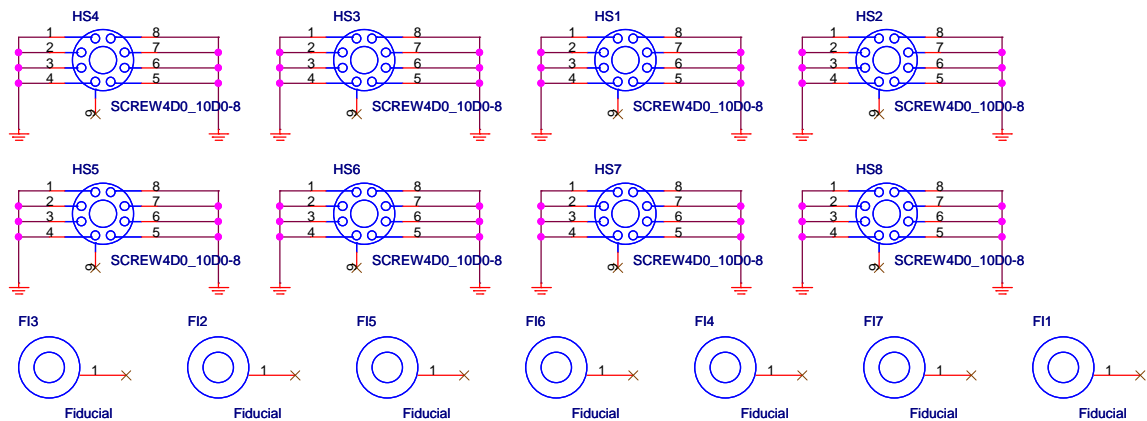
Part	Value	Unit	Package	Pin	Notes
U1	1.5V	V	1.5V	1	
U2	1.5V	V	1.5V	1	
U3	1.5V	V	1.5V	1	
U4	1.5V	V	1.5V	1	
U5	1.5V	V	1.5V	1	
U6	1.5V	V	1.5V	1	
U7	1.5V	V	1.5V	1	
U8	1.5V	V	1.5V	1	
U9	1.5V	V	1.5V	1	
U10	1.5V	V	1.5V	1	
U11	1.5V	V	1.5V	1	
U12	1.5V	V	1.5V	1	
U13	1.5V	V	1.5V	1	
U14	1.5V	V	1.5V	1	
U15	1.5V	V	1.5V	1	
U16	1.5V	V	1.5V	1	
U17	1.5V	V	1.5V	1	
U18	1.5V	V	1.5V	1	
U19	1.5V	V	1.5V	1	
U20	1.5V	V	1.5V	1	
U21	1.5V	V	1.5V	1	
U22	1.5V	V	1.5V	1	
U23	1.5V	V	1.5V	1	
U24	1.5V	V	1.5V	1	
U25	1.5V	V	1.5V	1	
U26	1.5V	V	1.5V	1	
U27	1.5V	V	1.5V	1	
U28	1.5V	V	1.5V	1	
U29	1.5V	V	1.5V	1	
U30	1.5V	V	1.5V	1	
U31	1.5V	V	1.5V	1	
U32	1.5V	V	1.5V	1	
U33	1.5V	V	1.5V	1	
U34	1.5V	V	1.5V	1	
U35	1.5V	V	1.5V	1	
U36	1.5V	V	1.5V	1	
U37	1.5V	V	1.5V	1	
U38	1.5V	V	1.5V	1	
U39	1.5V	V	1.5V	1	
U40	1.5V	V	1.5V	1	
U41	1.5V	V	1.5V	1	
U42	1.5V	V	1.5V	1	
U43	1.5V	V	1.5V	1	
U44	1.5V	V	1.5V	1	
U45	1.5V	V	1.5V	1	
U46	1.5V	V	1.5V	1	
U47	1.5V	V	1.5V	1	
U48	1.5V	V	1.5V	1	
U49	1.5V	V	1.5V	1	
U50	1.5V	V	1.5V	1	
U51	1.5V	V	1.5V	1	
U52	1.5V	V	1.5V	1	
U53	1.5V	V	1.5V	1	
U54	1.5V	V	1.5V	1	
U55	1.5V	V	1.5V	1	
U56	1.5V	V	1.5V	1	
U57	1.5V	V	1.5V	1	
U58	1.5V	V	1.5V	1	
U59	1.5V	V	1.5V	1	
U60	1.5V	V	1.5V	1	
U61	1.5V	V	1.5V	1	
U62	1.5V	V	1.5V	1	
U63	1.5V	V	1.5V	1	
U64	1.5V	V	1.5V	1	
U65	1.5V	V	1.5V	1	
U66	1.5V	V	1.5V	1	
U67	1.5V	V	1.5V	1	
U68	1.5V	V	1.5V	1	
U69	1.5V	V	1.5V	1	
U70	1.5V	V	1.5V	1	
U71	1.5V	V	1.5V	1	
U72	1.5V	V	1.5V	1	
U73	1.5V	V	1.5V	1	
U74	1.5V	V	1.5V	1	
U75	1.5V	V	1.5V	1	
U76	1.5V	V	1.5V	1	
U77	1.5V	V	1.5V	1	
U78	1.5V	V	1.5V	1	
U79	1.5V	V	1.5V	1	
U80	1.5V	V	1.5V	1	
U81	1.5V	V	1.5V	1	
U82	1.5V	V	1.5V	1	
U83	1.5V	V	1.5V	1	
U84	1.5V	V	1.5V	1	
U85	1.5V	V	1.5V	1	
U86	1.5V	V	1.5V	1	
U87	1.5V	V	1.5V	1	
U88	1.5V	V	1.5V	1	
U89	1.5V	V	1.5V	1	
U90	1.5V	V	1.5V	1	
U91	1.5V	V	1.5V	1	
U92	1.5V	V	1.5V	1	
U93	1.5V	V	1.5V	1	
U94	1.5V	V	1.5V	1	
U95	1.5V	V	1.5V	1	
U96	1.5V	V	1.5V	1	
U97	1.5V	V	1.5V	1	
U98	1.5V	V	1.5V	1	
U99	1.5V	V	1.5V	1	
U100	1.5V	V	1.5V	1	

PSI#	Operation Mode
0	1 Phase
1	2 Phase



TPV (TPV Technology Electronics Co., Ltd.)	OEM MODEL	8300	Sta	Custom
TPV MODEL	8300		Rev	<RevCode>
Key Component	01.COVER & REVERSE HISTORY & TOP	PCB NAME	715G3590-M0A-000-0000	
Date	Monday, January 18, 2010	Sheet	43 of 47	非手 <非手>





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

REV:0.1

11-16-2009

01-New Building

11-17-2009

01.P28 :Pin 1,2 of Iverter1 Connect +V128 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 +V50 Change to +V5A For De-Pop ---- From Realtek Suggestion
06.P31 :PB26 From +V50 Change to +V5A For De-Pop ---- From Realtek Suggestion
07.P04 :R53 From VTT_OUT_B Change to V_PSR_VTT
08.P16 :SB1 Pin AH3 Connect Net Name -- R_DSRL2_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 :USBB1 -- USBB2 Change to Lenovo AVL Material -- 880 352 12 5Y
03.P33 :1394A1 Pin 1 From Connect Net -- TPB1M Change to Net -- TDA1P
04.P33 :1394A1 Pin 2 From Connect Net -- TPB1P Change to Net -- TDA1M
05.P33 :1394A1 Pin 3 From Connect Net -- TDA1M Change to Net -- TPB1P
06.P33 :1394A1 Pin 4 From Connect Net -- TDA1P Change to Net -- TPB1M
07.P36 :CN17 Change to Lenovo AVL Material -- 880 361 2 FA
08.P31 :CN7 Change to Lenovo AVL Material -- 880 302 78 5Y
09.P31 :CN8 Change to Lenovo AVL Material -- 880 302 79 5Y
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 5Y Change to 880 302756
02.P31 :Material Number of CM6 From 880 302 79 5Y Change to 880 302765
03.P39 :PCN1 add a material number -880 304 17 5T

REV:0.2

12-24-2009

01.P18 :SP12 From 56G1133951 Change to 56G1133951 on AI Layer
02.P18 :Add SP13
03.P20 :SP11 From 56G1133951 Change to 56G1133949
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

01-07-2010

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 :USBB1 , USBB2 mirror vertically ---- For Suyin USB Right Angle Reverse Type Pin Defination
06.P27 :Add D1 R8501V-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 GD08 and GD1014
20.P27 :R705 material number From 61008052200FI Change to 61008051001FY
21.P20 :Net name -- Q_P0M2C 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 PC83 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 (pin2) ---- 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 -- +V3.3L
04.P31 :SPK Pin 4 connect Net -- SPK_R
05.P15 :SATAPMW1 mirror Vertically
06.P32 :C802 Change to 01P for RSD Cap. ---- Follow EMI Team Suggestion



TPV (Top Victory Electronics Co., Ltd.)	QSM MODEL	8200	Rev	C
TPV MODEL	8200		Rev	A
TPV NAME	71503590-MDA-000-0000			
Sheet	47	of	47	