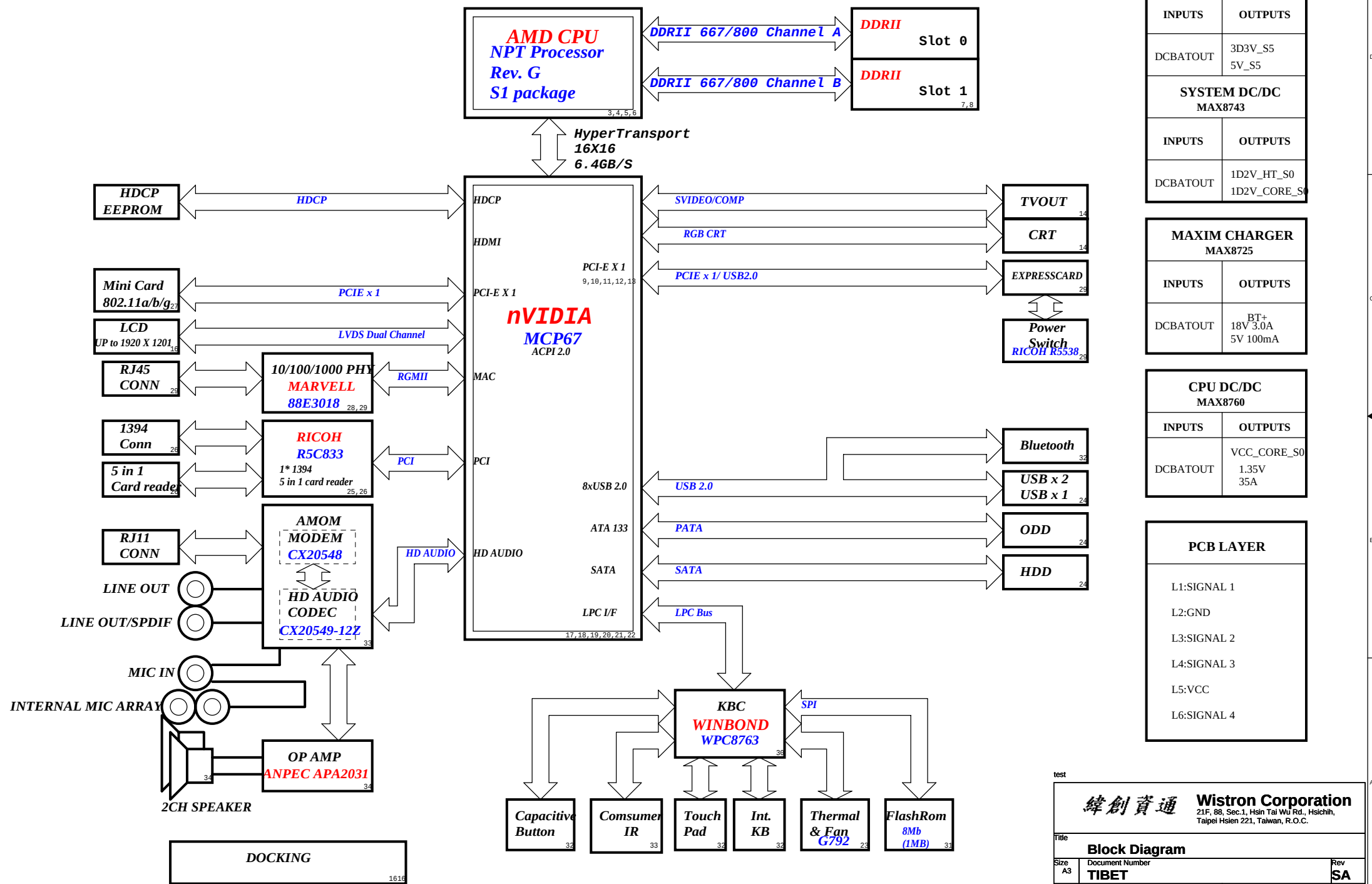
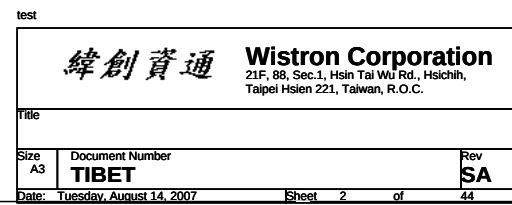
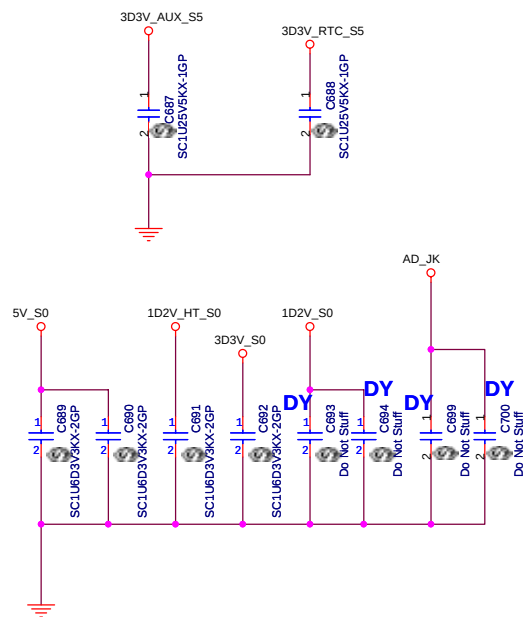
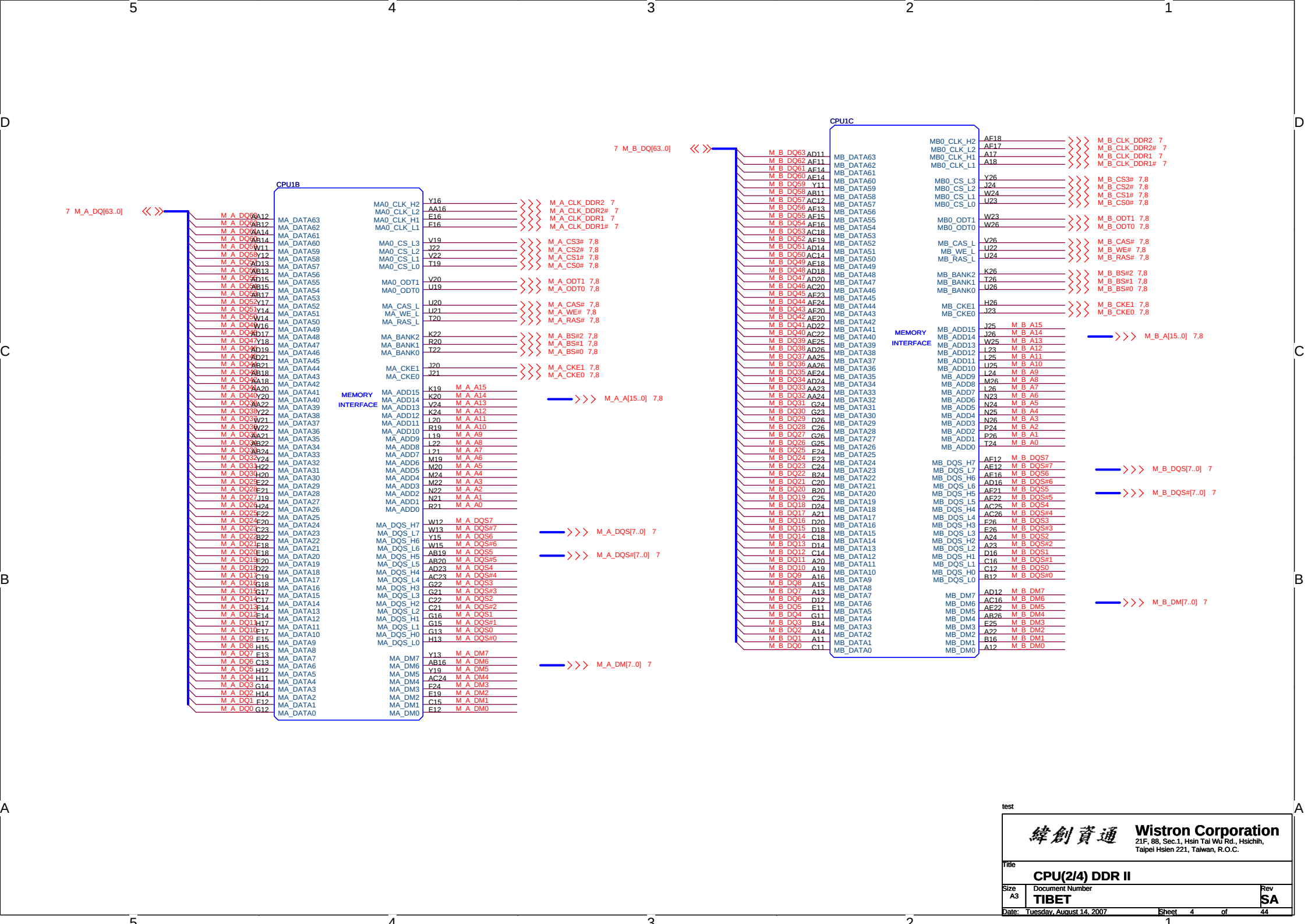
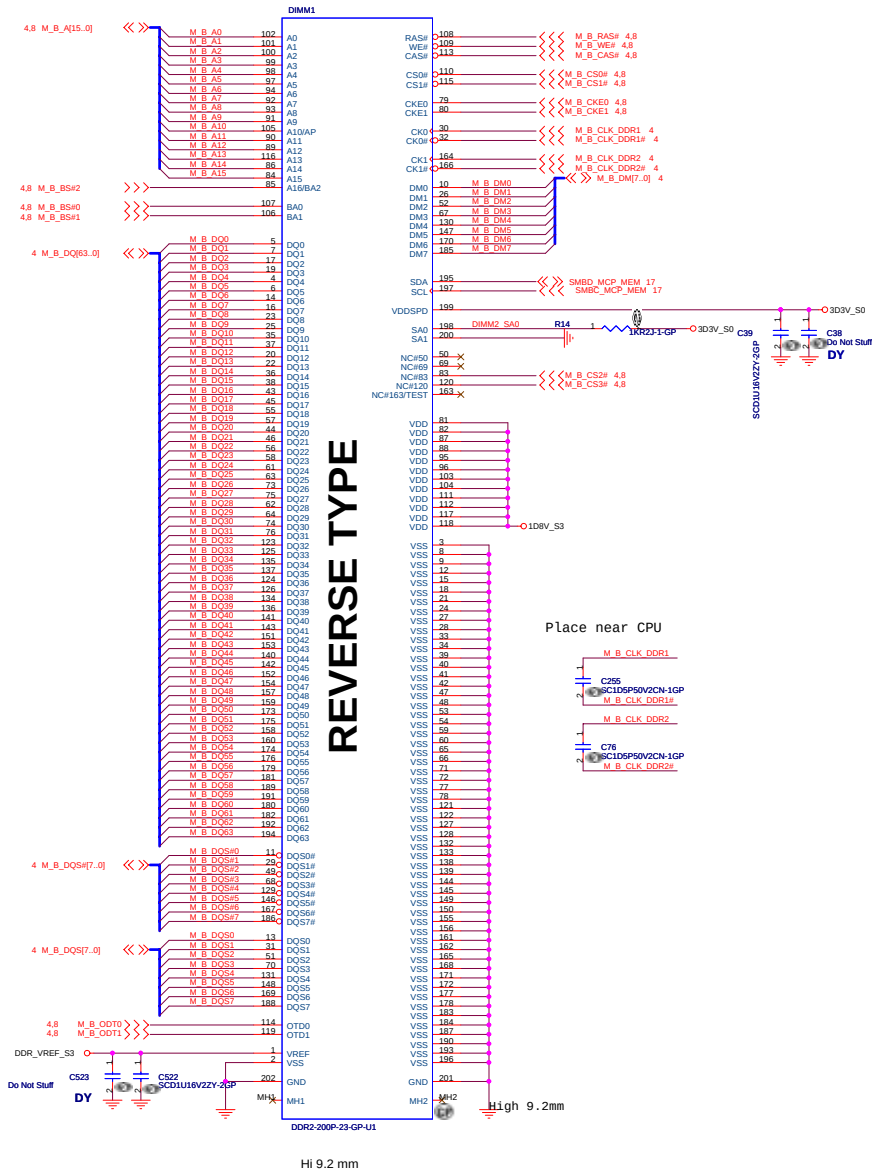


Tibet Block Diagram



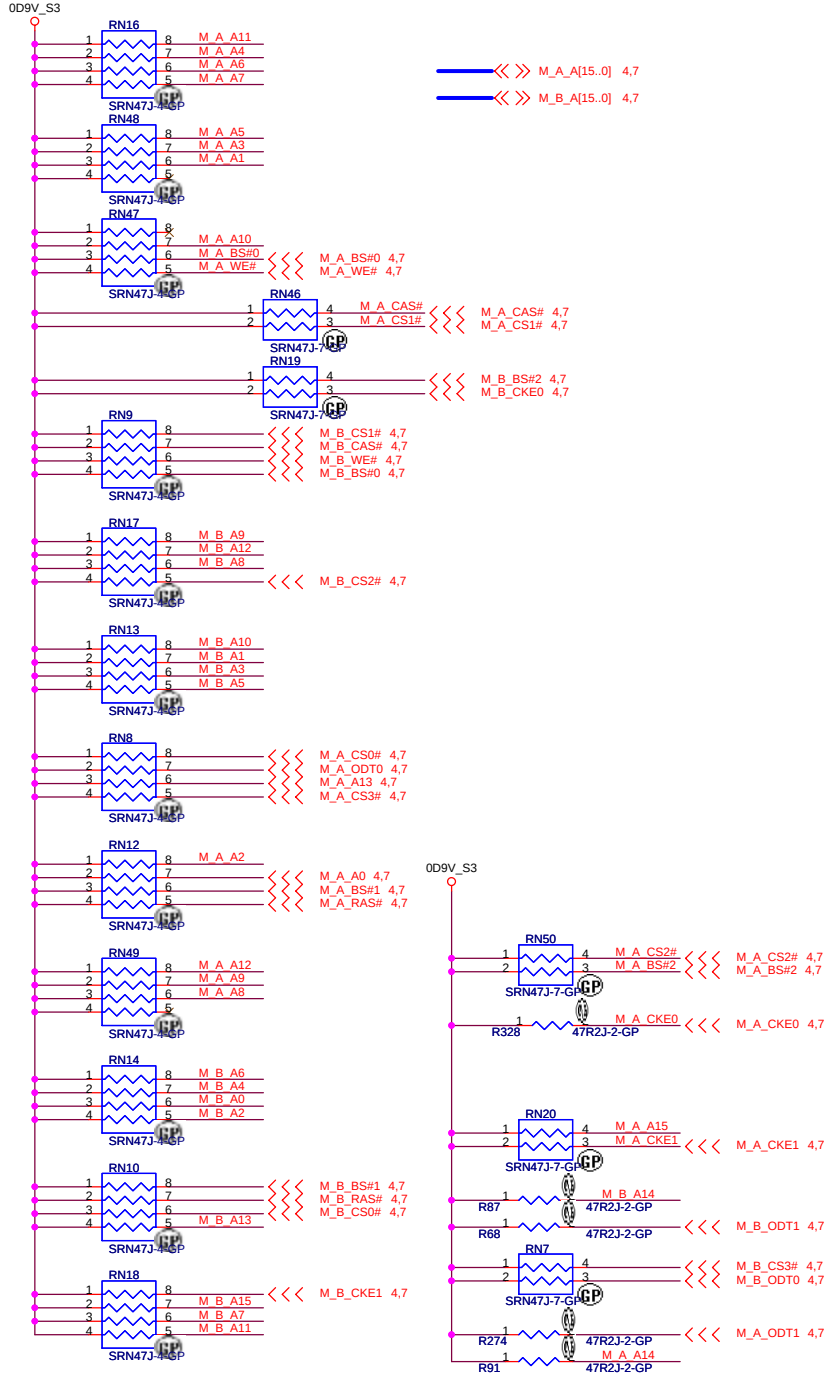






PARALLEL TERMINATION

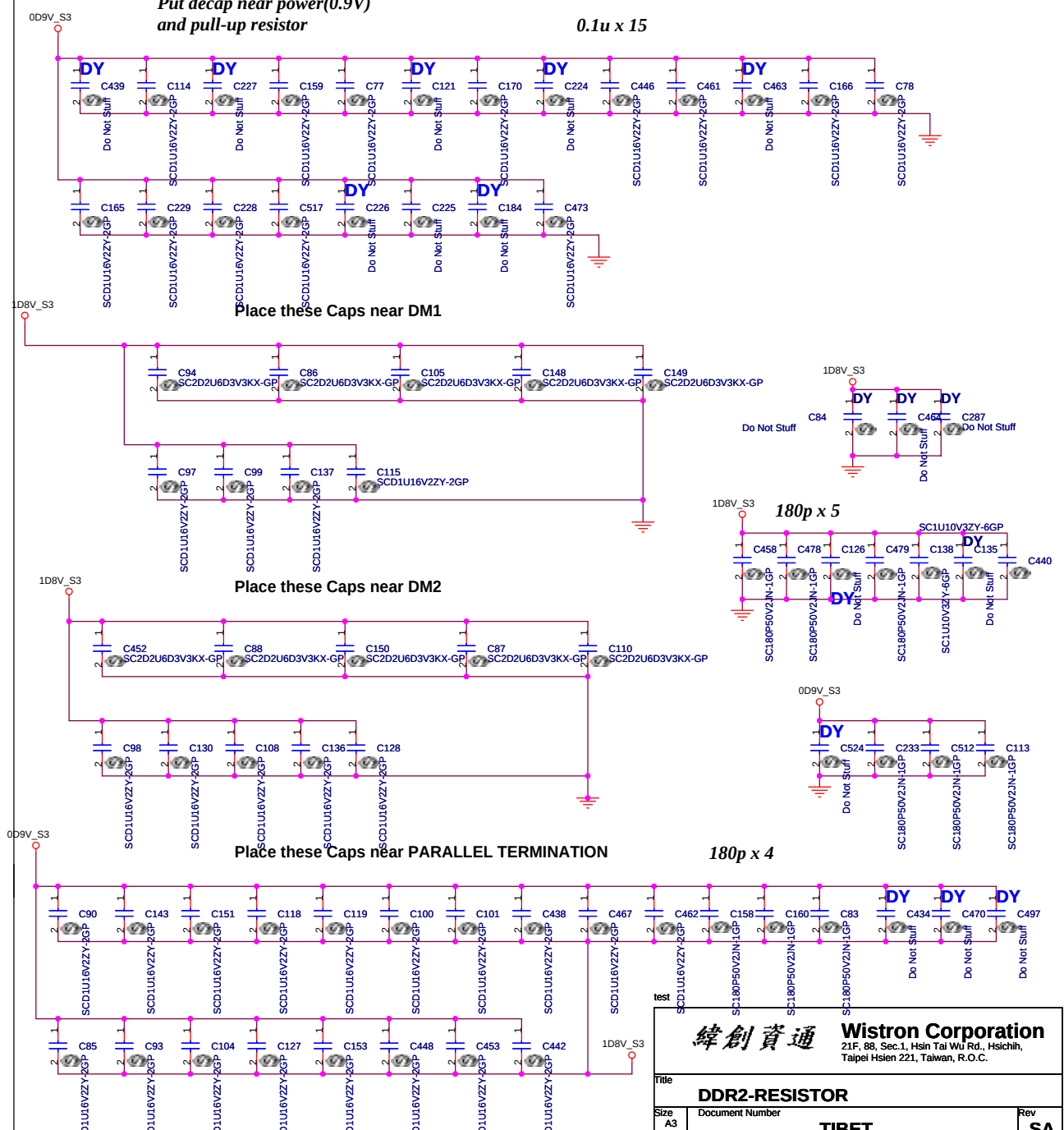
Put decap near power(0.9V) and pull-up resistor



Decoupling Capacitor

**Put decap near power(0.9V)
and pull-up resistor**

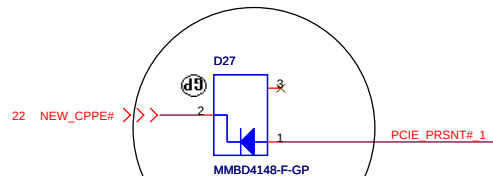
0.1u x 15



緯創資通

Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title			
DDR2-RESISTOR			
Size	Document Number	Rev	
A3	TIBET	SA	
Date:	Tuesday, August 14, 2007	Sheet 8 of	44

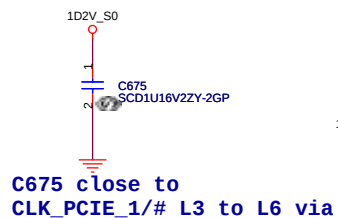


CHECK LEAKAGE CURRENT

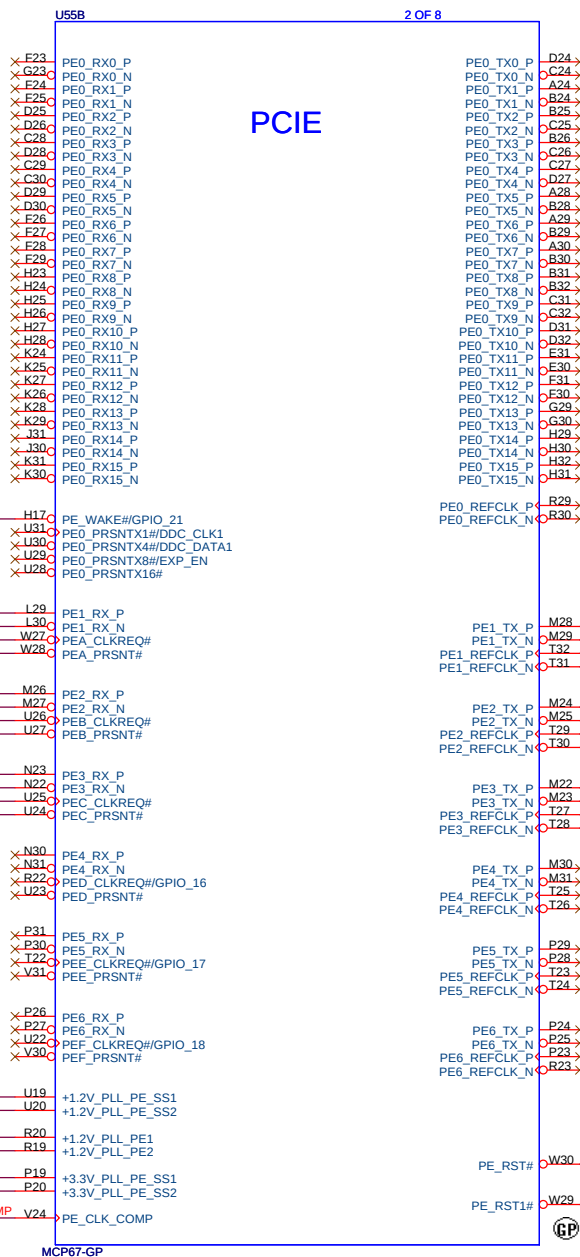
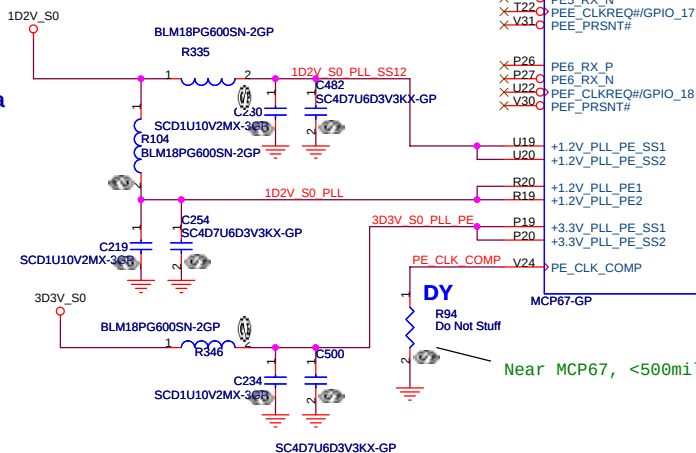
NEW CARD

MINI CARD1

MINI CARD2

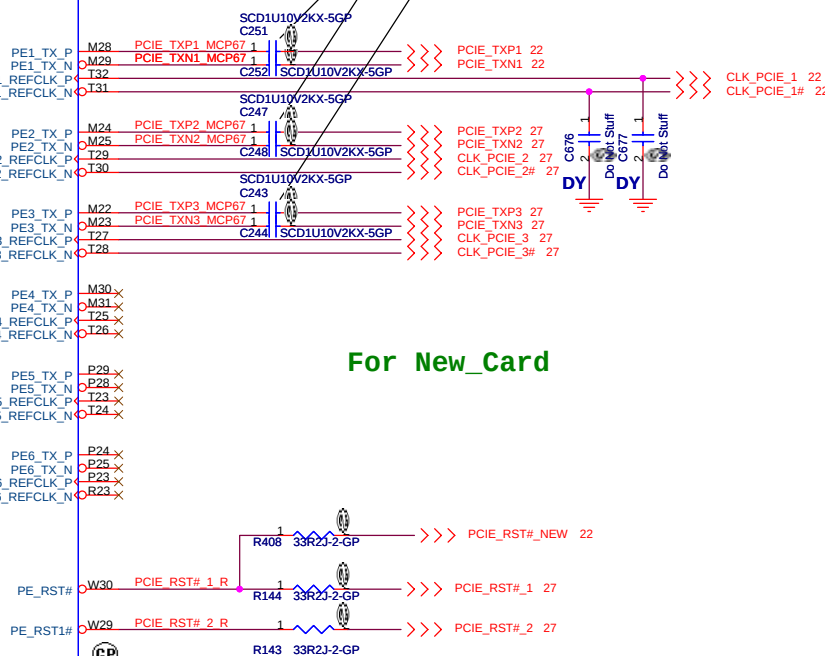


C675 close to CLK_PCIE_1/# L3 to L6 via



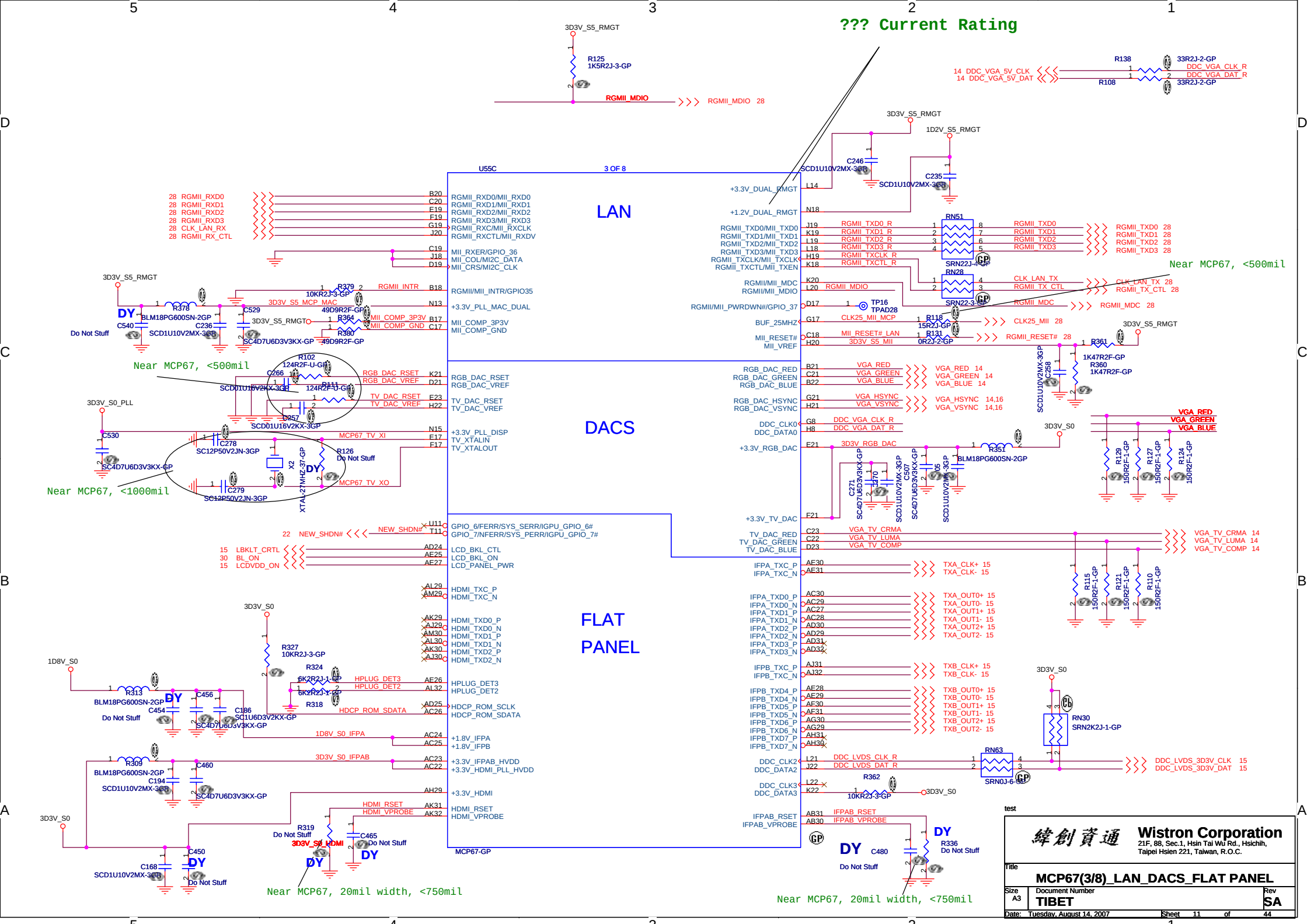
Near Connector, <500mil

For New_Card



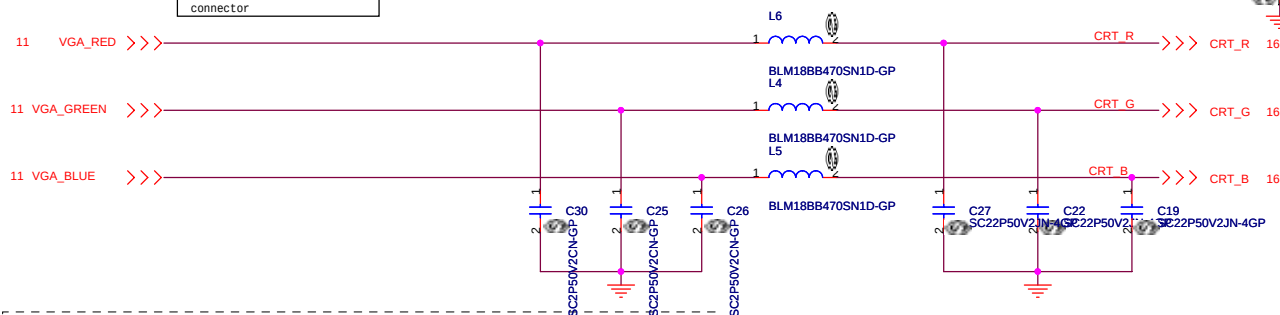
test

緯創資通 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title MCP67(2/8)_PCIE	
Size A3	Document Number TIBET
Date: Tuesday, August 14, 2007	Sheet 10 of 44
Rev SA	



CRT I/F & CONNECTOR

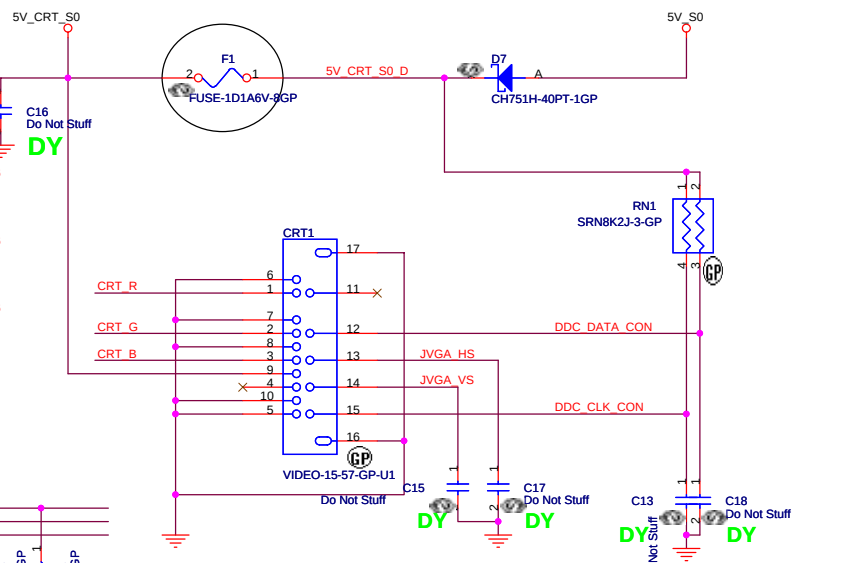
Layout Note:
Place these resistors
close to the CRT-out
connector



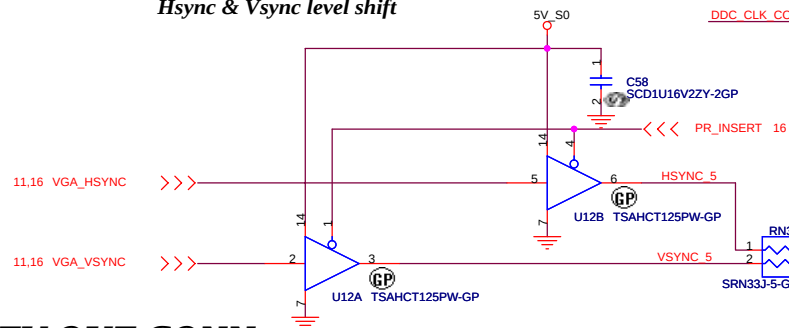
Layout Note:

*** Must be a ground return path between this ground and the ground on the VGA connector.**

Pi-filter & 150 Ohm pull-down resistors should be as close as to CRT CONN. RGB will hit 75 Ohm first, pi-filter, then CRT CONN.

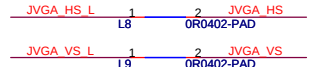
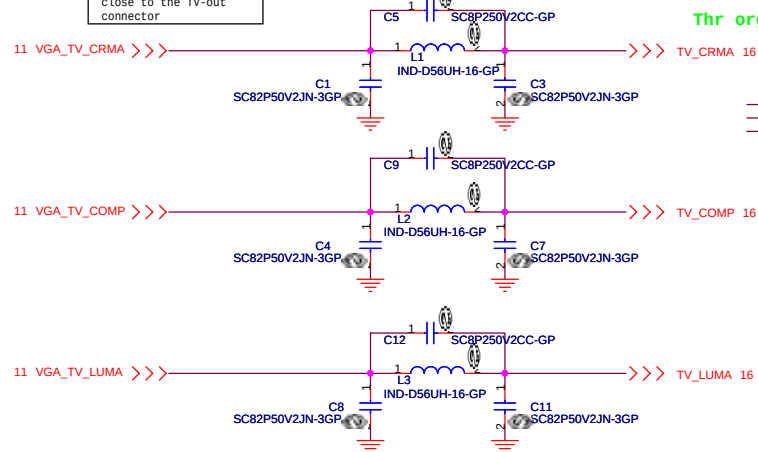


Hsync & Vsync level shift

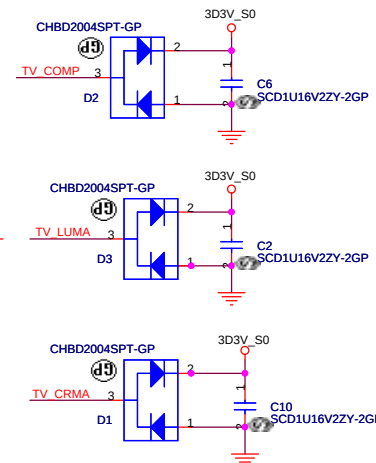
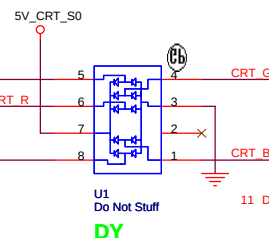
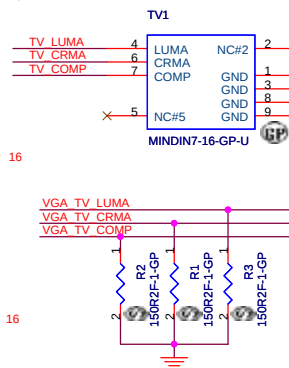


TV OUT CONN

Layout Note:
Place this 2 resistors
close to the TV-out
connector



Thr org part is 68.2703N.10B



5V @ ext. CRT side

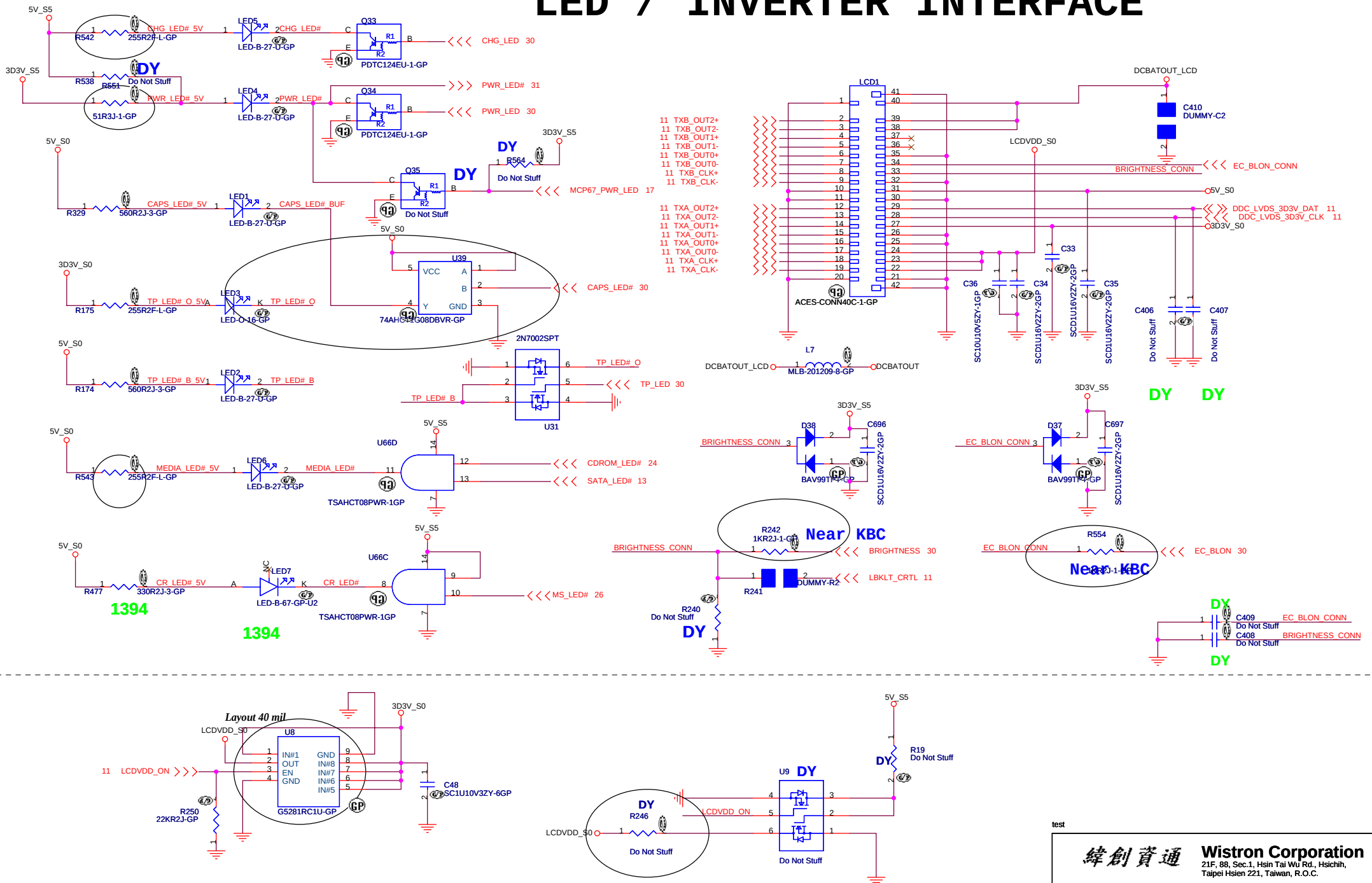
test

緯創資通

Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title			
CRT/TV CONNECTOR			
Size A3	Document Number		Rev
	TIBET		SA
Date:	Tuesday, August 14, 2007	Sheet 14 of	44

LED / INVERTER INTERFACE

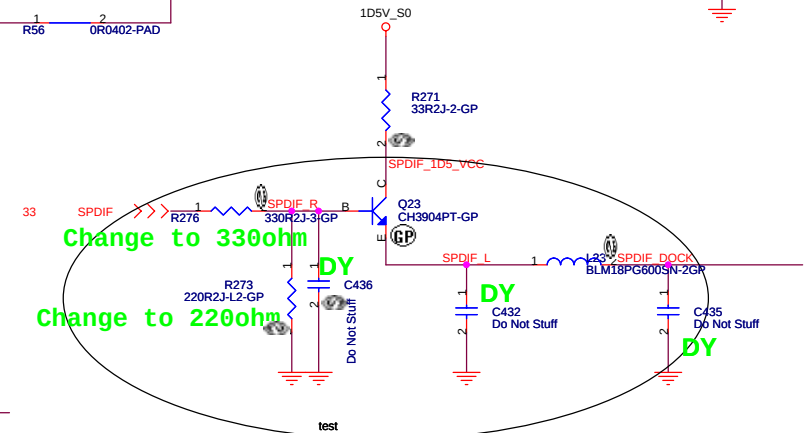
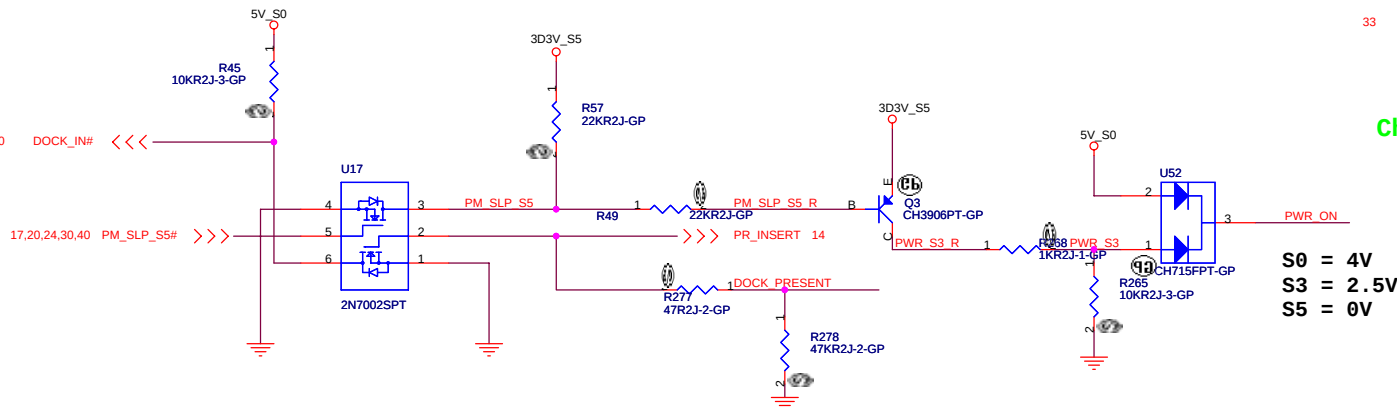
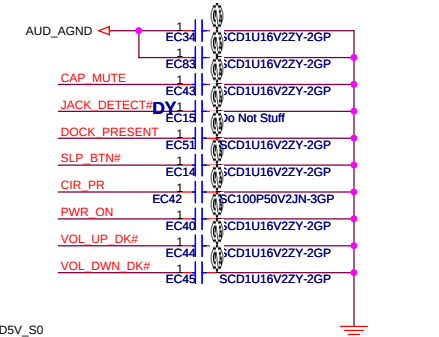
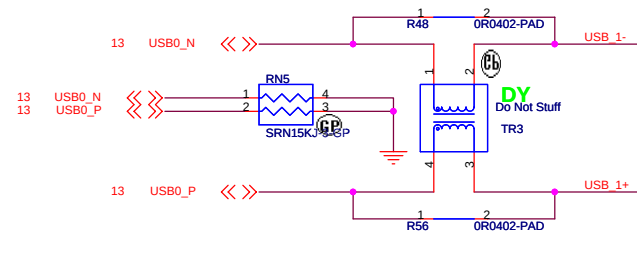
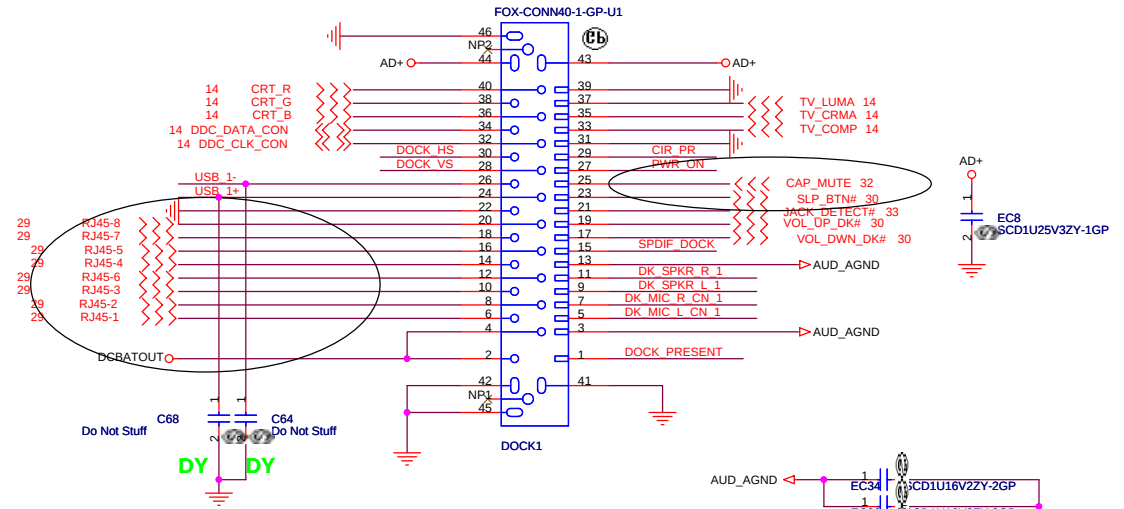
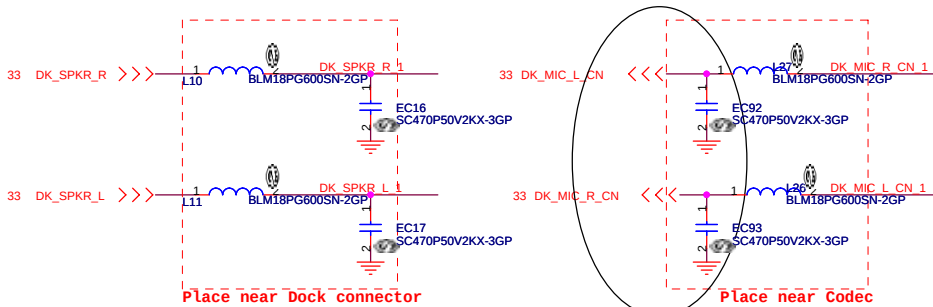
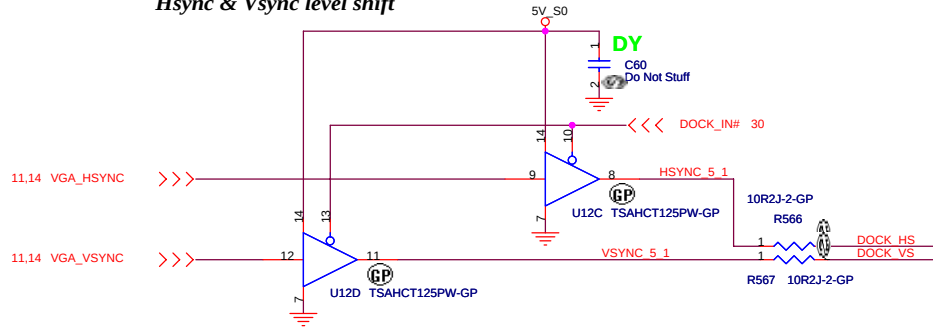
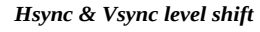
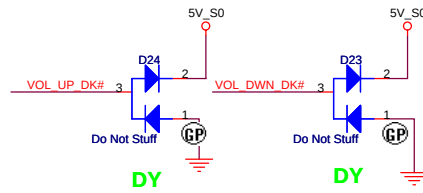


test

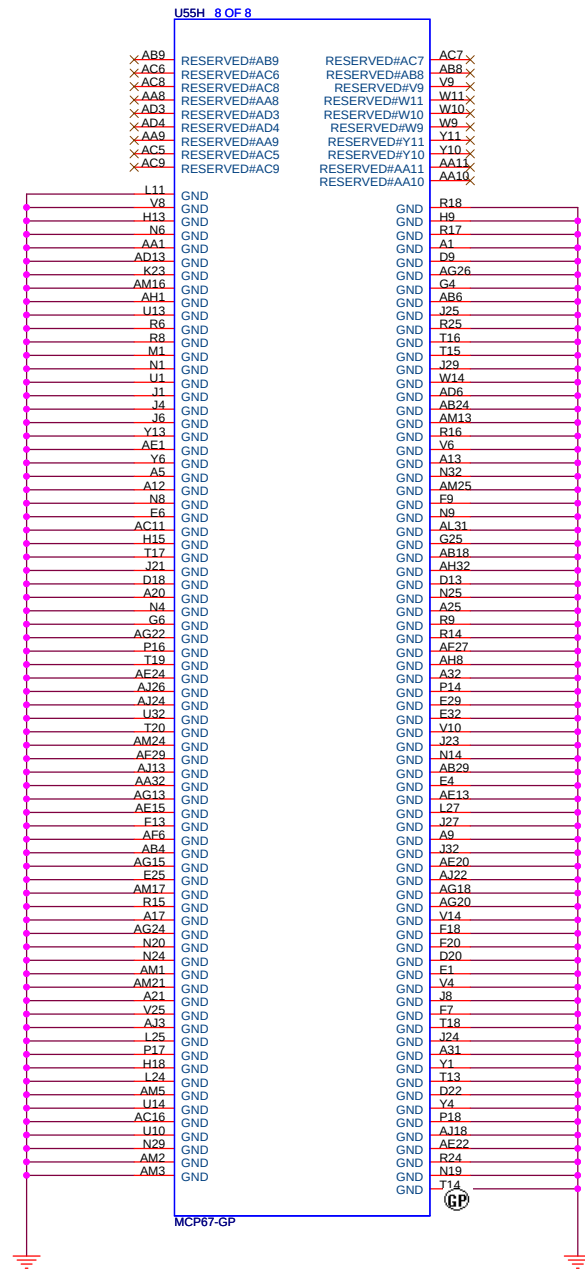
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title			
LCD/Inverter Connector			
Size	Document Number	Rev	
Custom		SA	
Date:	Tuesday, August 14, 2007	Sheet	15 of 44

Docking Connector

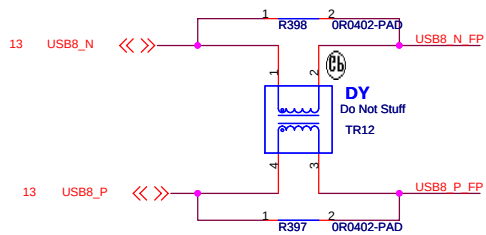
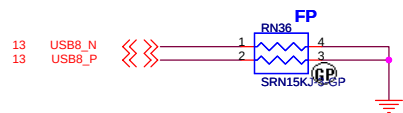
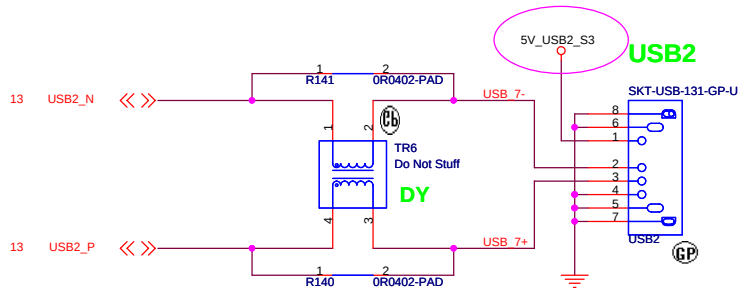
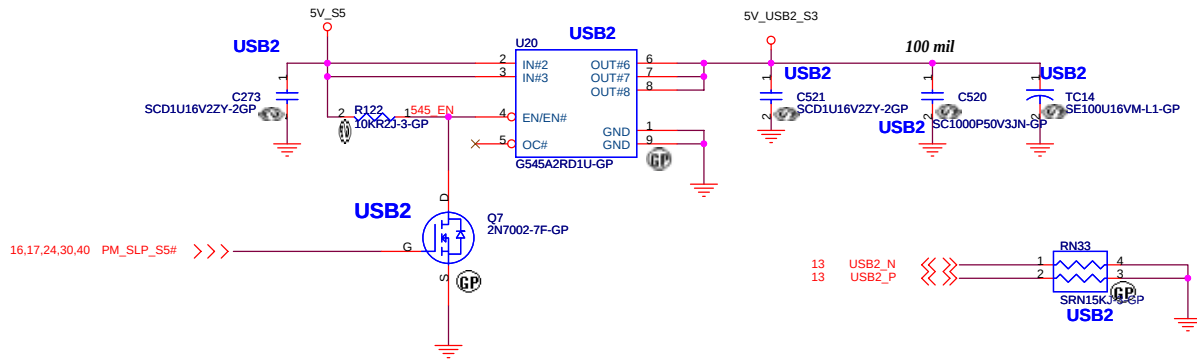


S0 = 4V
S3 = 2.5V
S5 = 0V

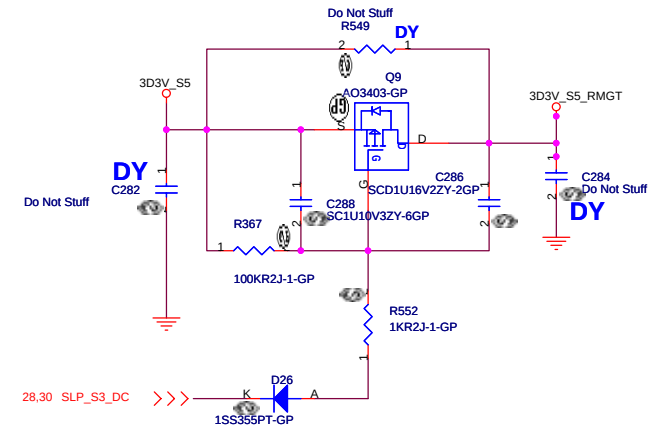
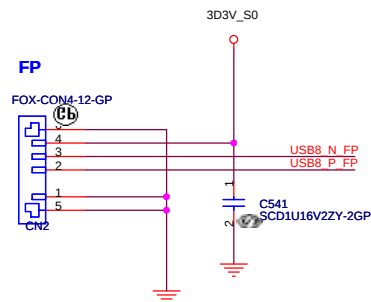


test

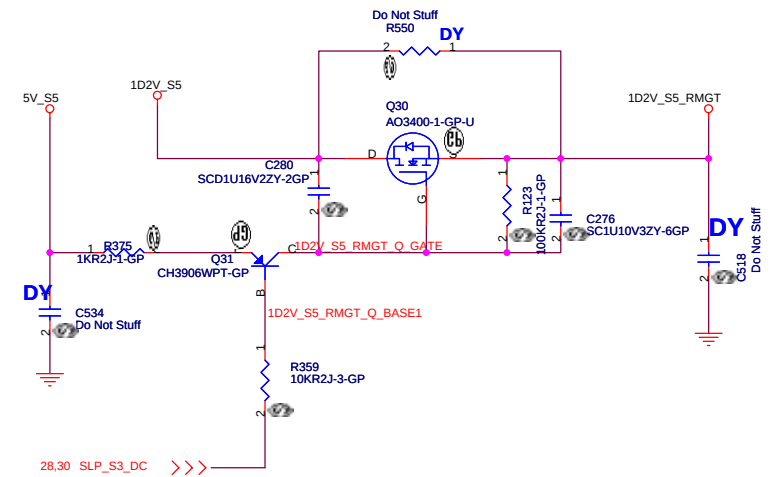
緯創資通		Wistron Corporation	
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.			
Title			
MCP67(8/8)_GND			
Size	Document Number	Rev	
A3	TIBET	SA	
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Finger Printer



??? Current Rating



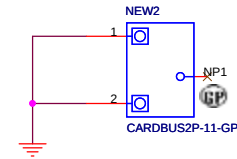
test

D

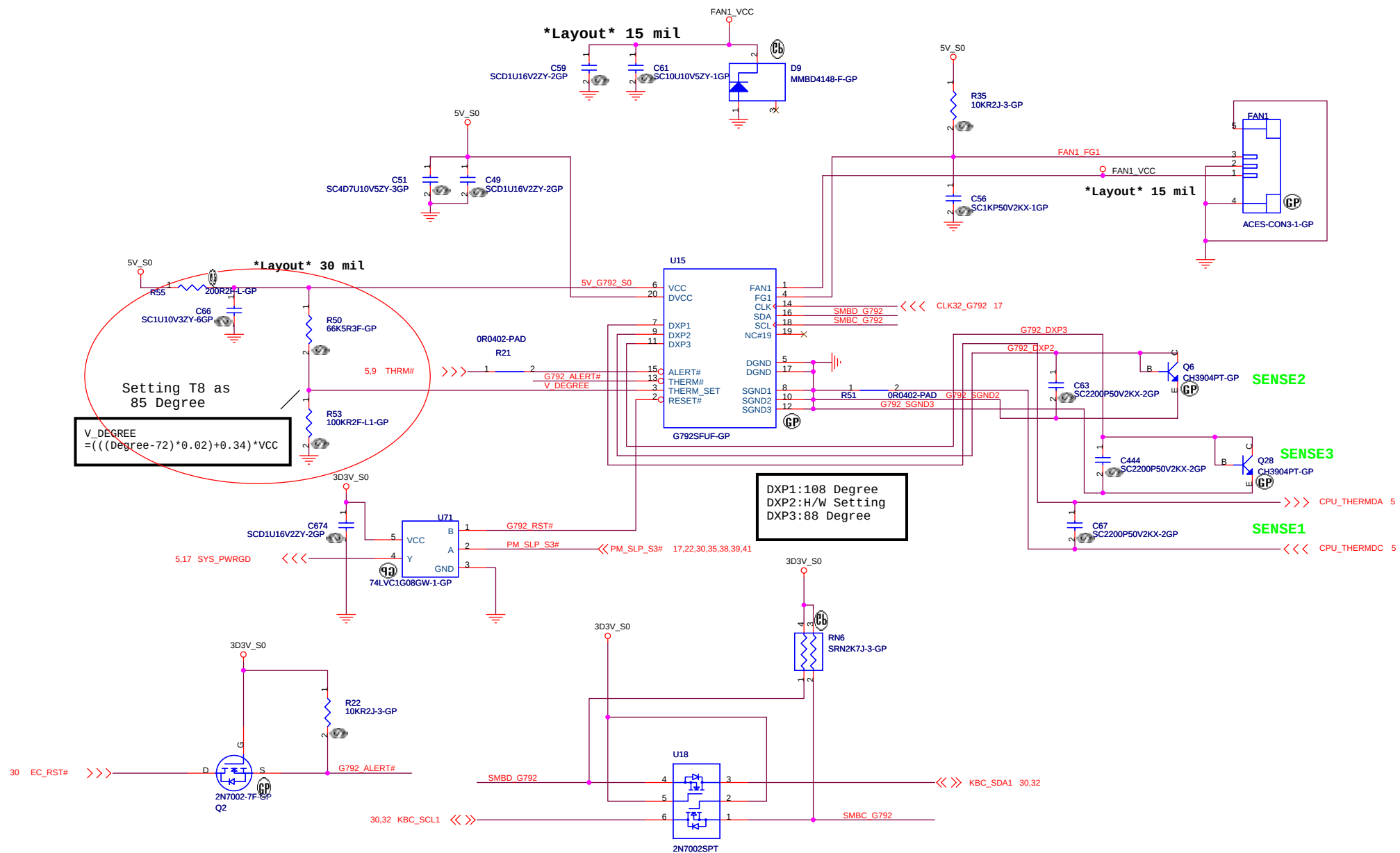
C

B

A

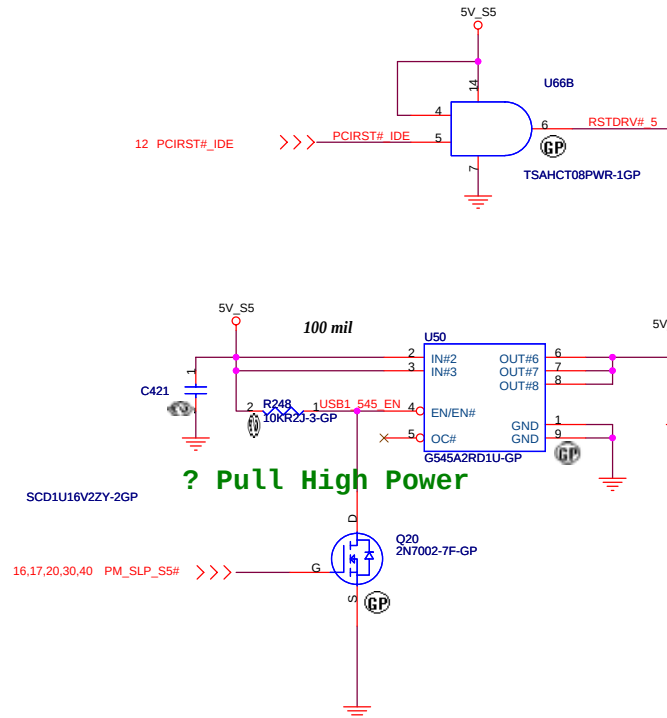
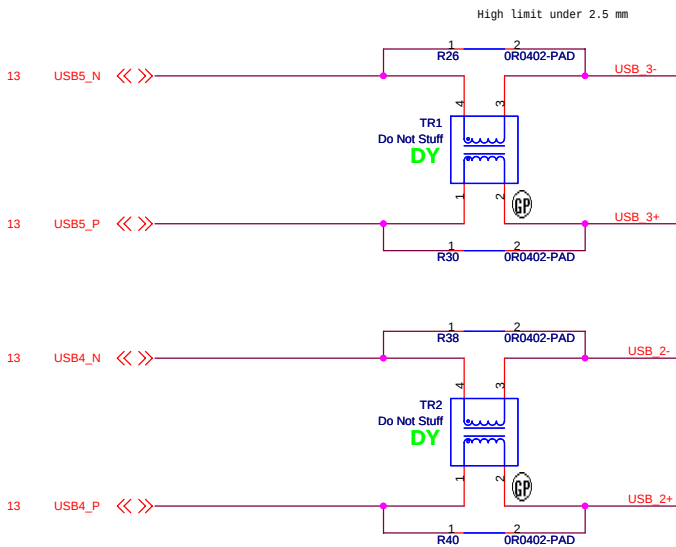
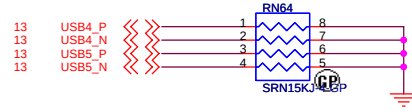
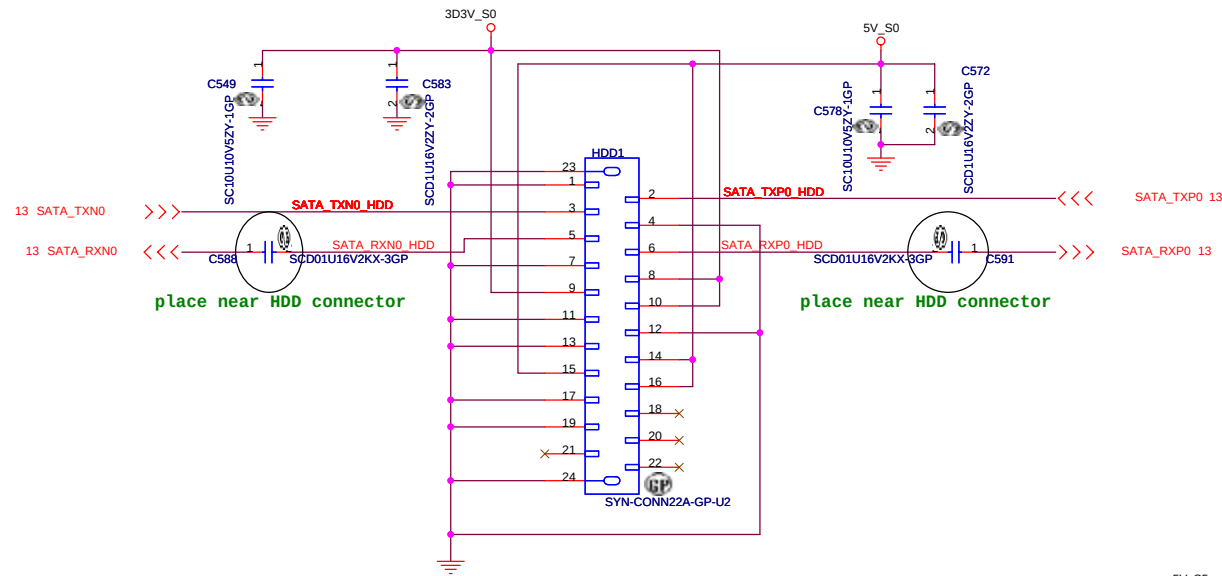


A

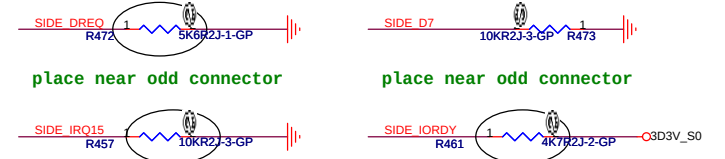
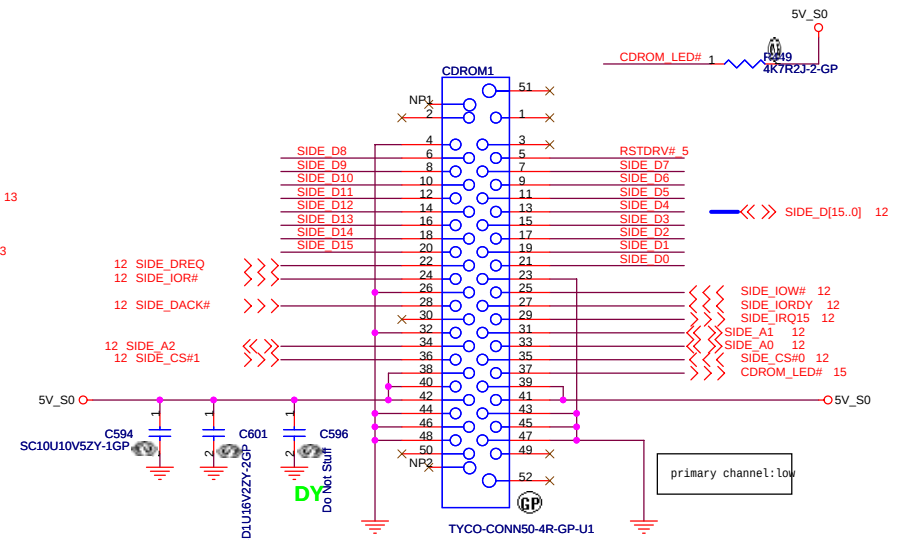


test

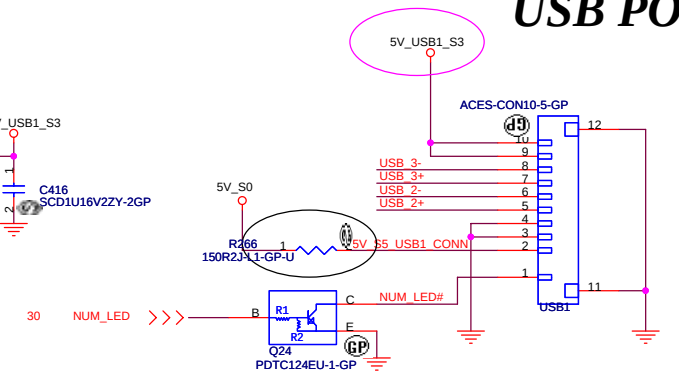
SATA HD Connector

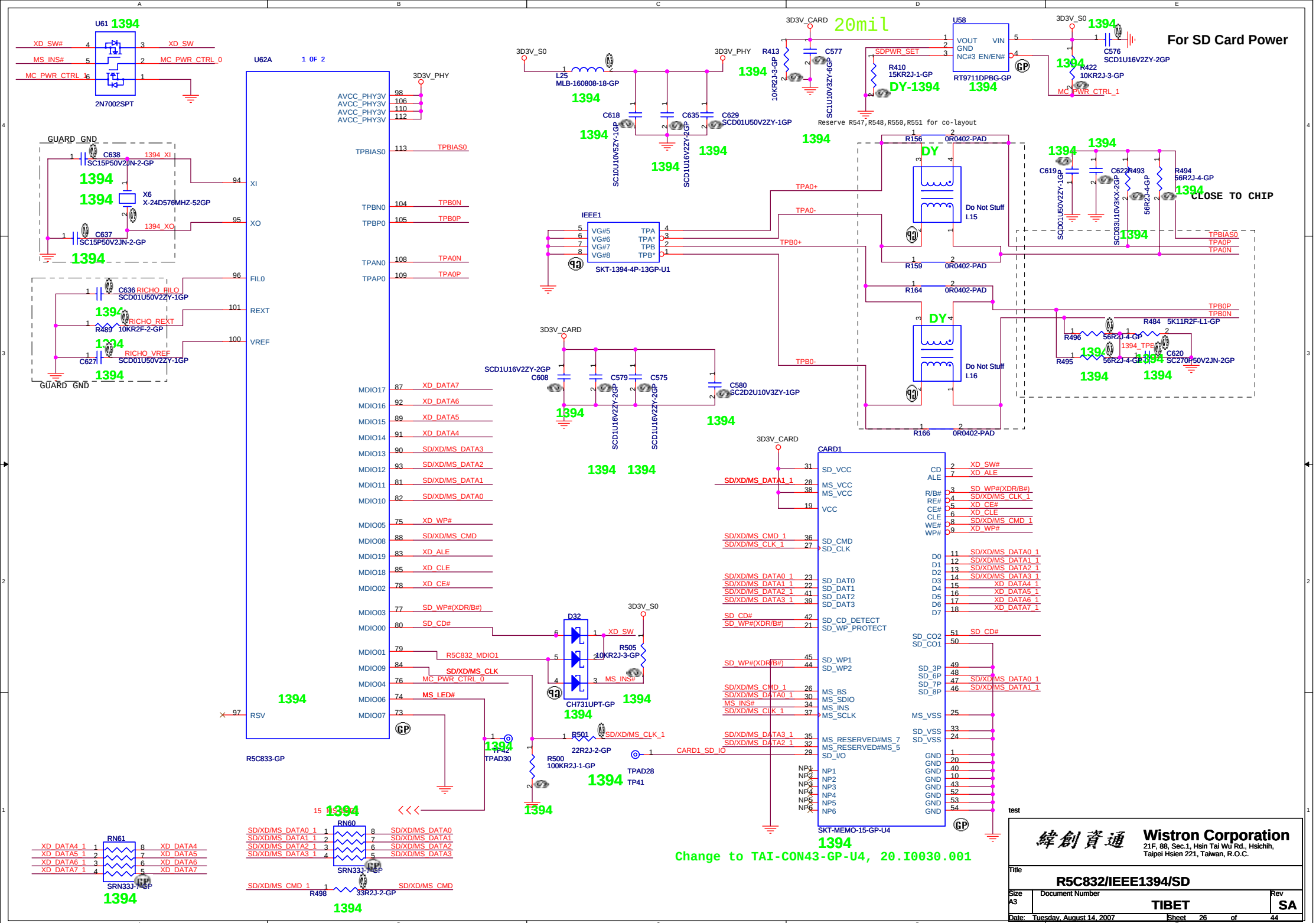


CD-ROM CONNECTOR

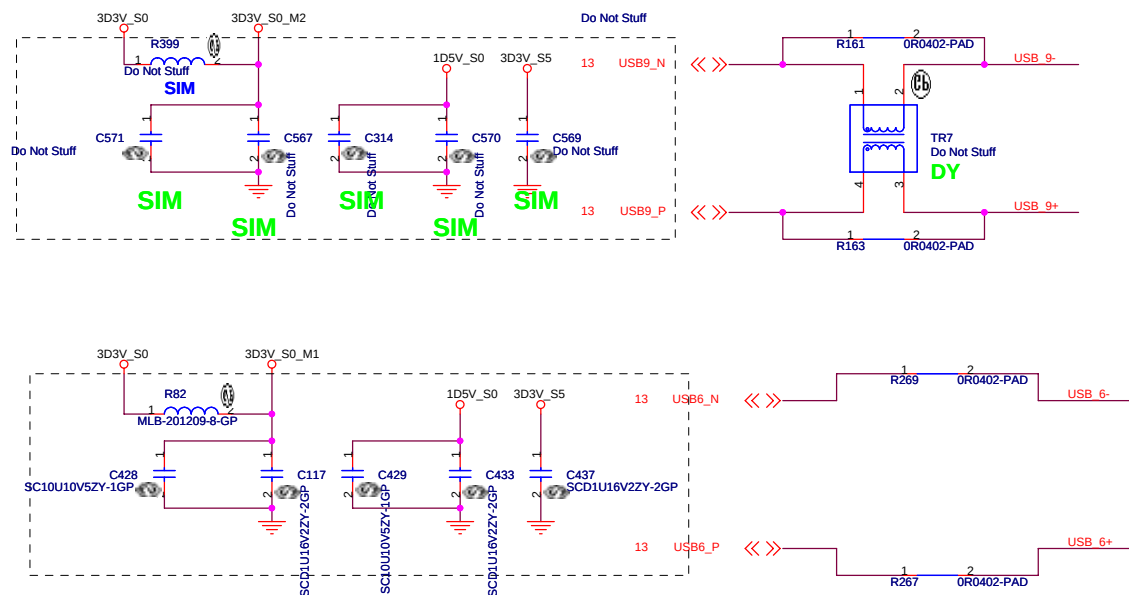
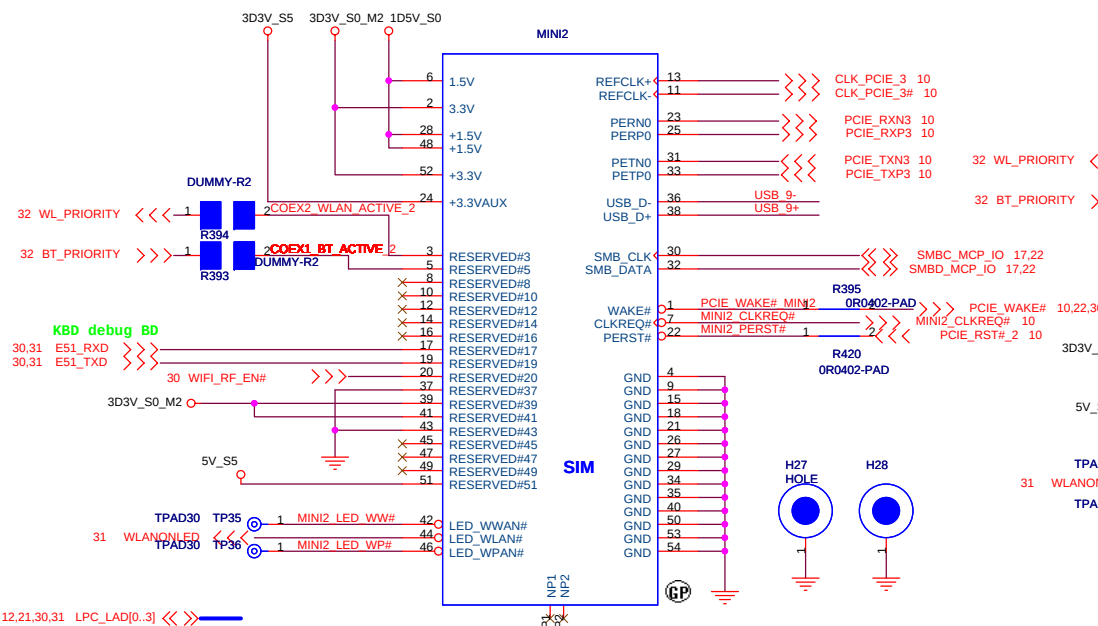


USB PORT



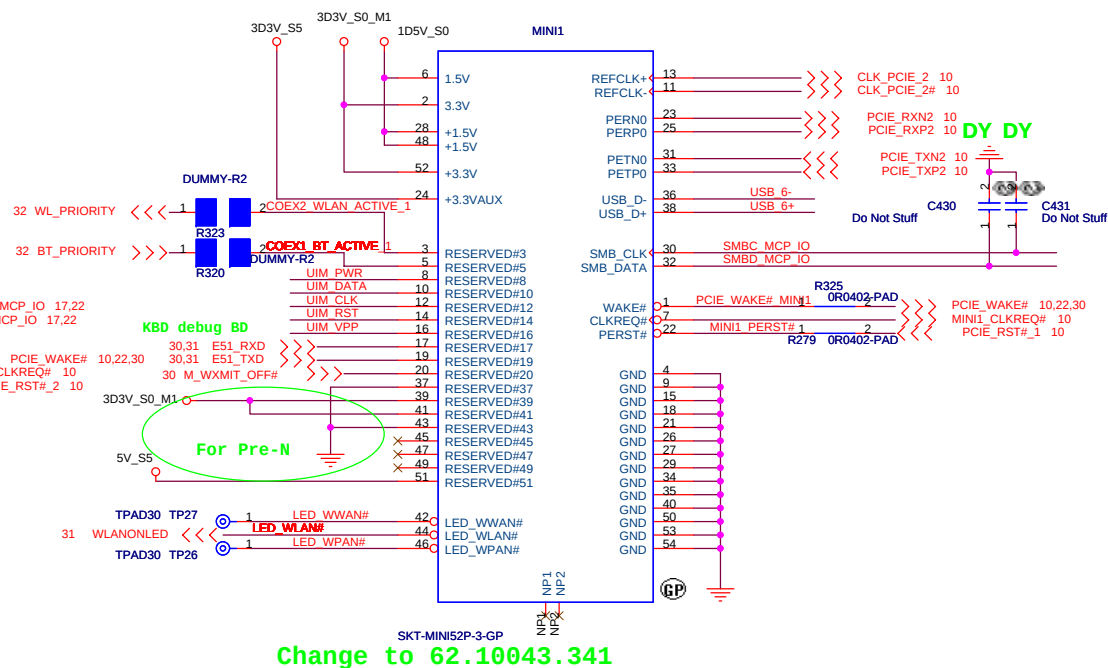


Wireless Card

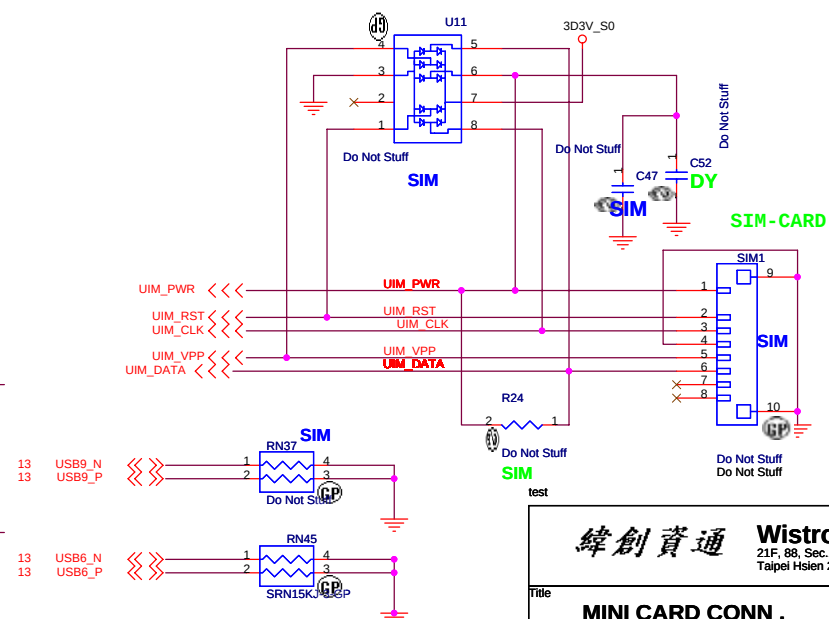


Mini Card Connector 1

WWAN



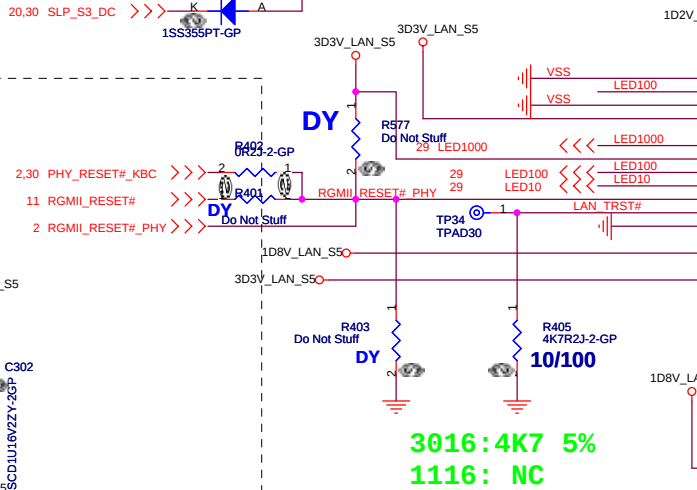
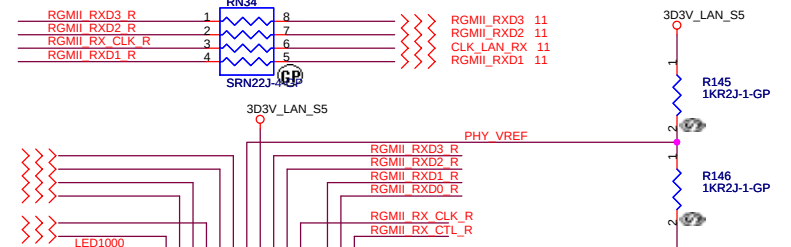
Change to 62.10043.341

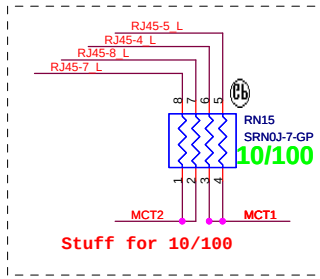
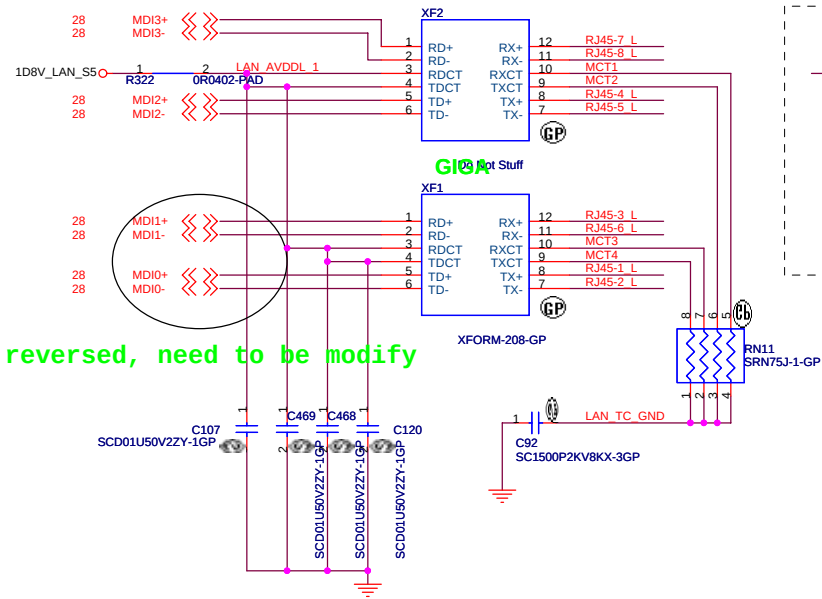


ata transitions

The diagram shows two components, RN35 and RN34, each with a 4-pin connector. RN35 is connected to RGMII_RXD0_R (pin 1), RGMII_RX_CTL_R (pin 2), RGMII_RXD3_R (pin 4), and RGMII_RXD2_R (pin 3). RN34 is connected to RGMII_RXD3_R (pin 1), RGMII_RXD2_R (pin 2), RGMII_RX_CLK_R (pin 3), and RGMII_RXD1_R (pin 4). Both components are labeled with a circled 'CP' and a 'SRN22-5' label.

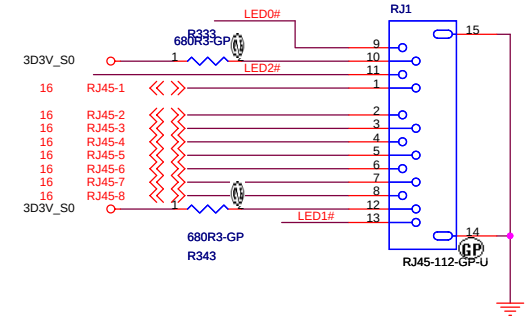
Signal	RN35 Pin	RN34 Pin
RGMII_RXD0_R	1	
RGMII_RX_CTL_R	2	
RGMII_RXD3_R	4	1
RGMII_RXD2_R	3	2
RGMII_RX_CLK_R		3
RGMII_RXD1_R		4



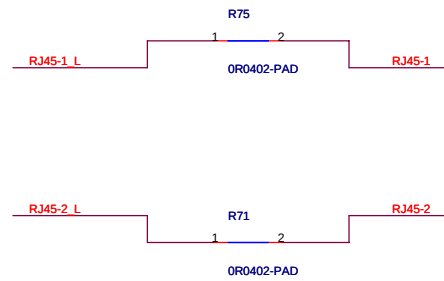
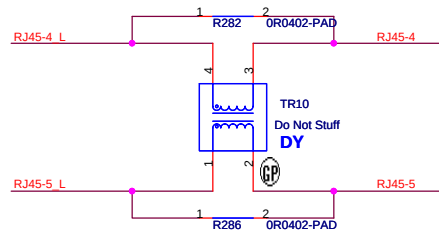
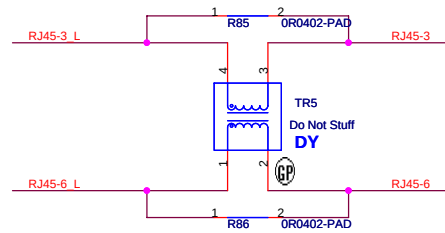
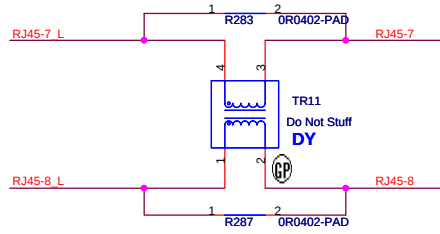


- 1.route on bottom as differential pairs.
- 2.Tx+/Tx- are pairs. Rx+/Rx- are pairs.
- 3.No vias, No 90 degree bends.
- 4.pairs must be equal lengths.
- 5.6mil trace width,12mil separation.
- 6.36mil between pairs and any other trace.
- 7.Must not cross ground moat,except RJ-45 moat.

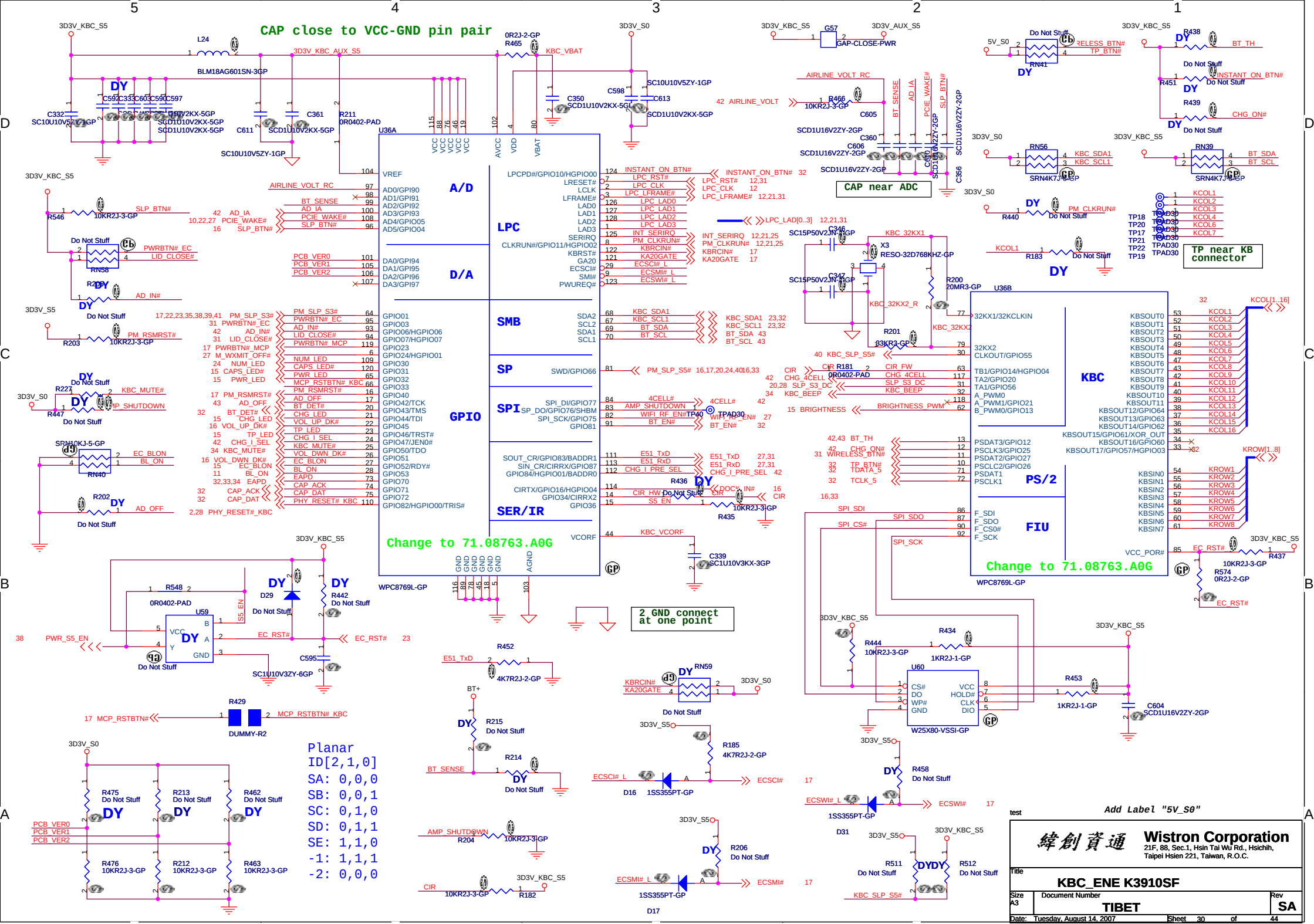
GREEN: LINK 10/100 Mbps
YELLOW: TX/RX ACTIVITY
ORANGE: LINK 1000Mbps



PIN09 : GREEN
 PIN11 : ORANGE
 PIN13 : YELLOW



test

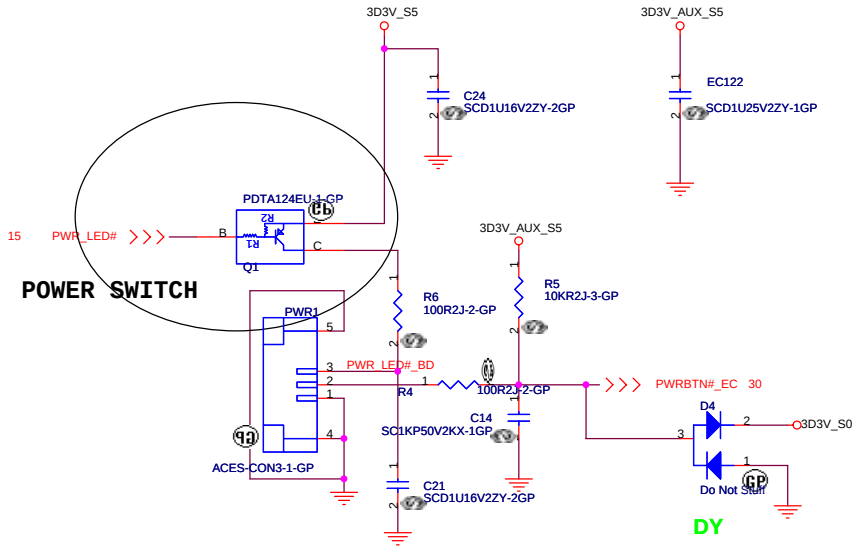


GOLDEN FINGER FOR DEBUG BOARD

TOP VIEW

A15 (B1)
A14 (B2)
:
:
A2 (B14)
A1 (B15)

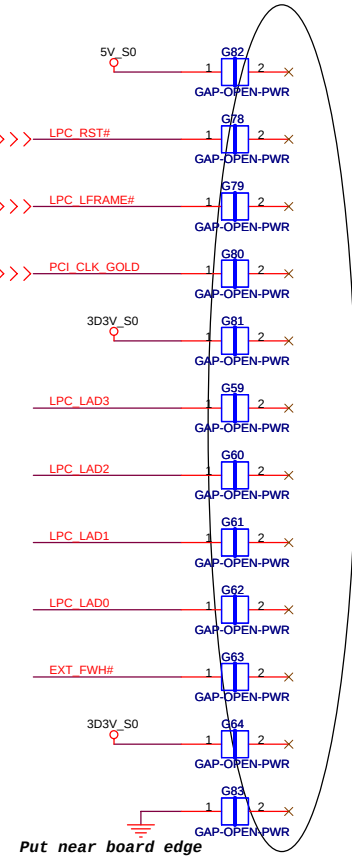
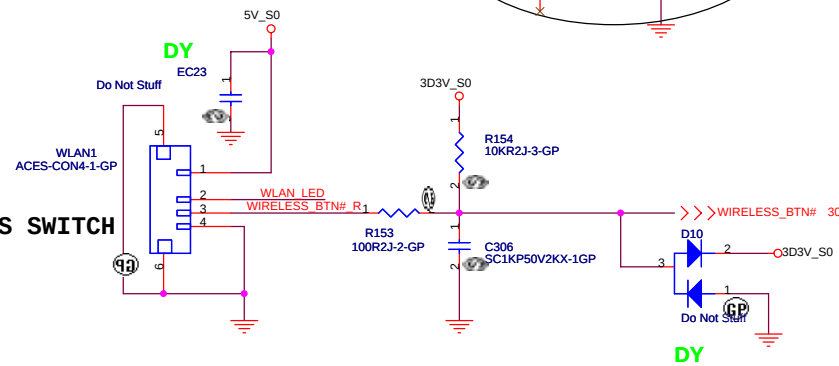
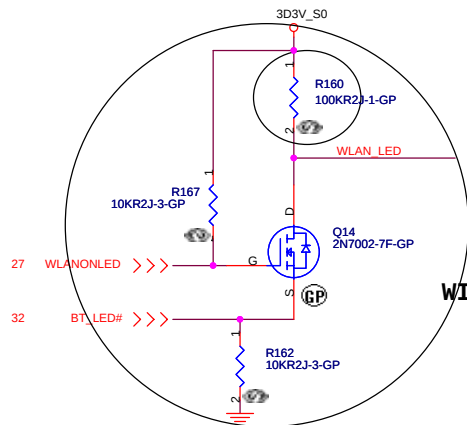
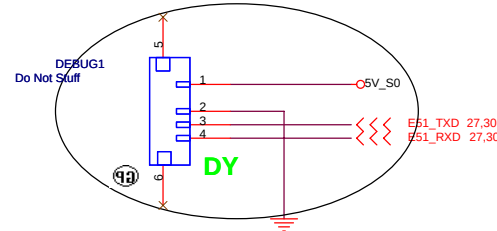
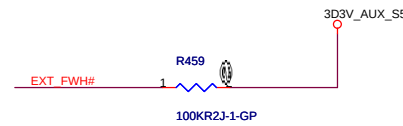
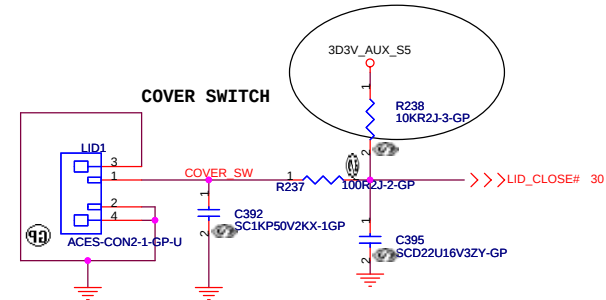
(BOTTOM VIEW)



12,30 LPC_RST# >>> LPC_RST#

12,21,30 LPC_LFRAME# >>> LPC_LFRAME#

12 PCI_CLK_GOLD >>> PCI_CLK_GOLD



Put near board edge
test

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21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

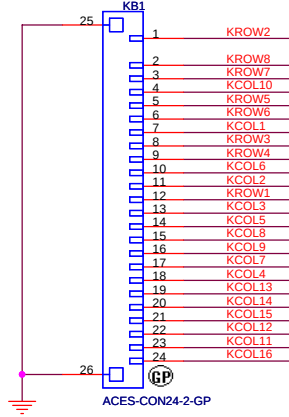
Title		
FLASH and Debug		
Size	Document Number	Rev
A3	TIBET	SA
Date:	Tuesday, August 14, 2007	Sheet 31 of 44

Internal KeyBoard Connector

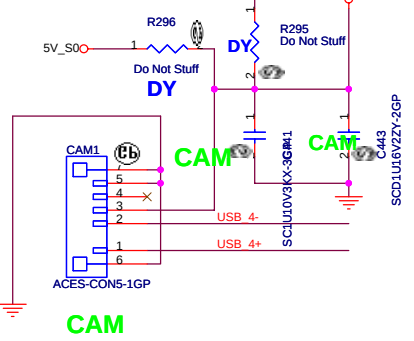
30 KROW[1..8] <<< <<< <<<
30 KCOL[1..16] <<< <<< <<<

Keyboard matrix (from vendor)

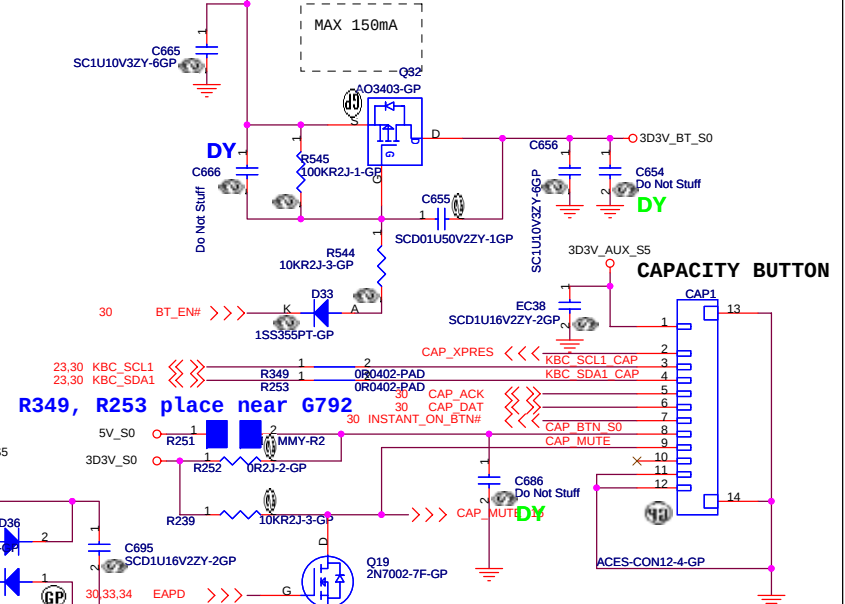
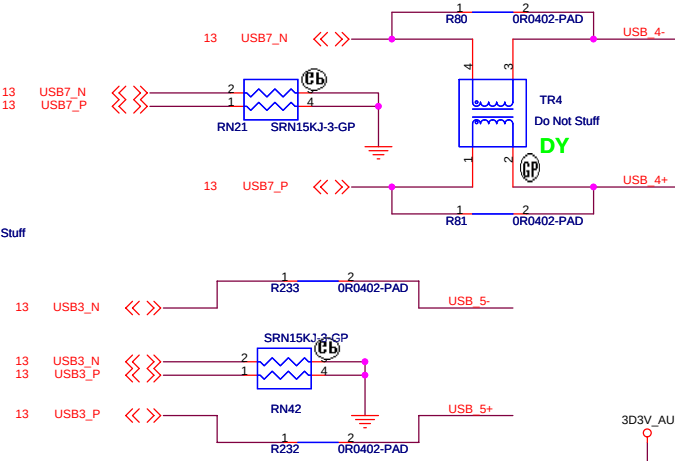
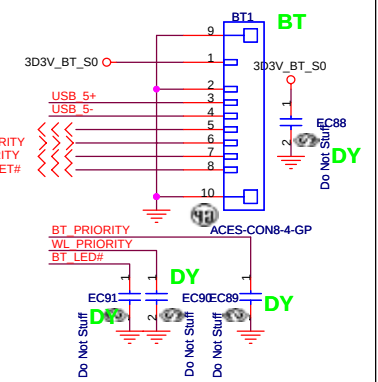
	US	Eur	Jap
MATRIXID1#	0	1	0
MATRIXID2#	0	0	1



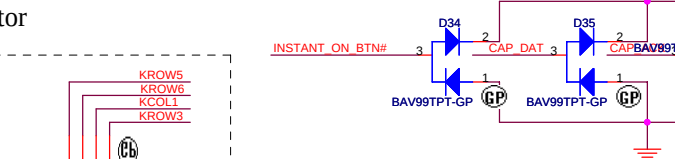
CAMERA



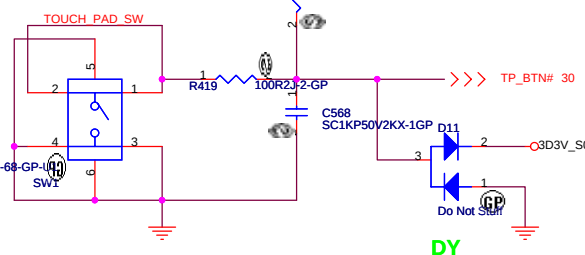
BT



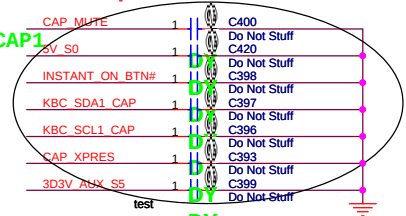
TouchPad Connector

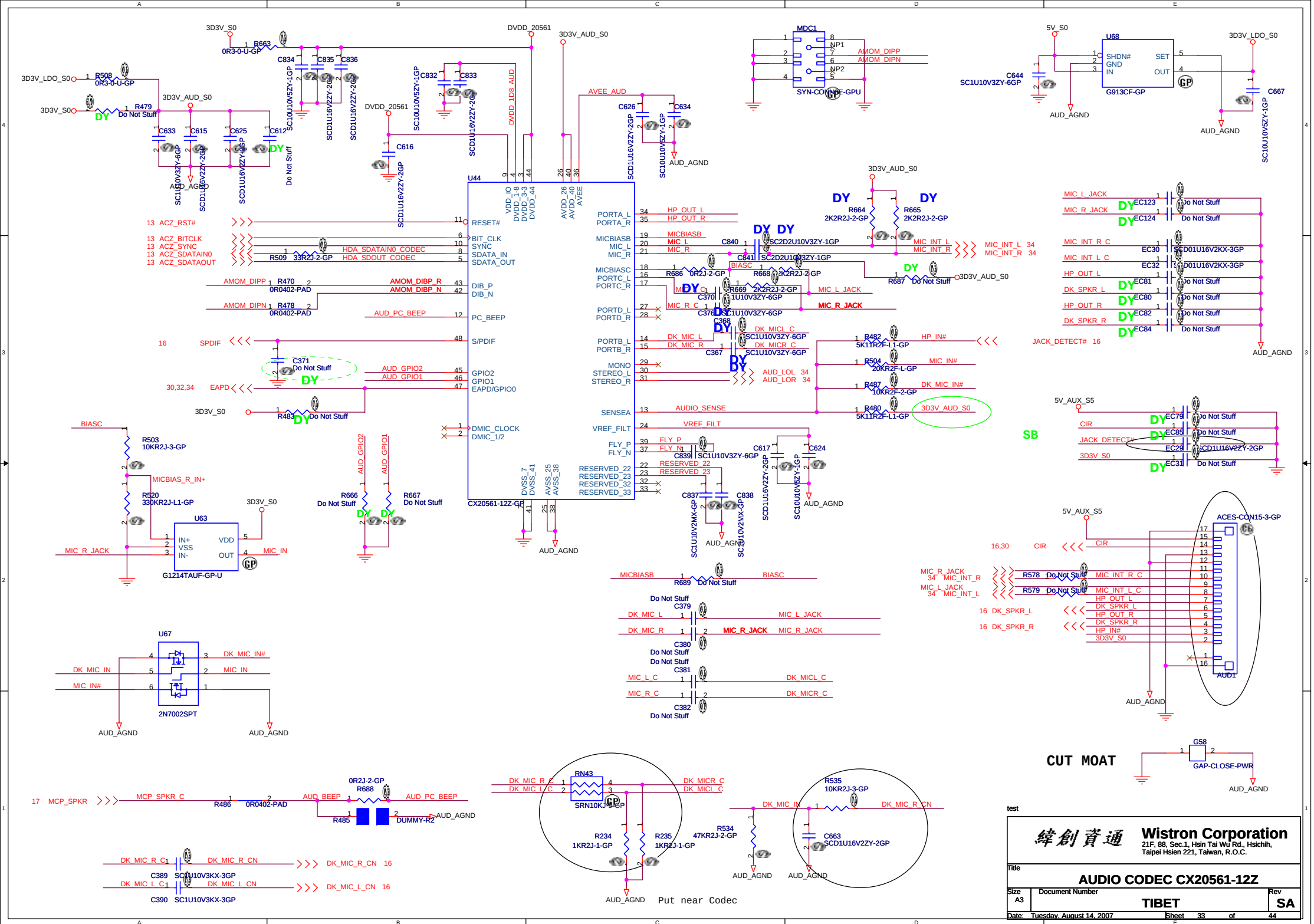


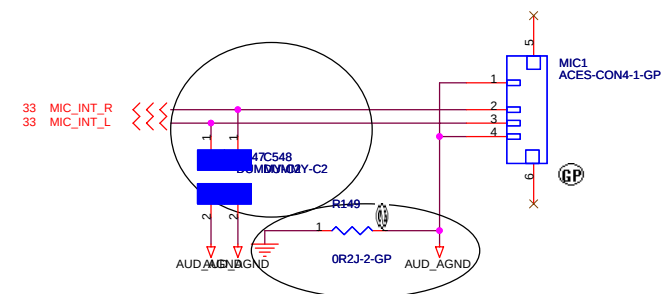
TOUCH-PAD SWITCH



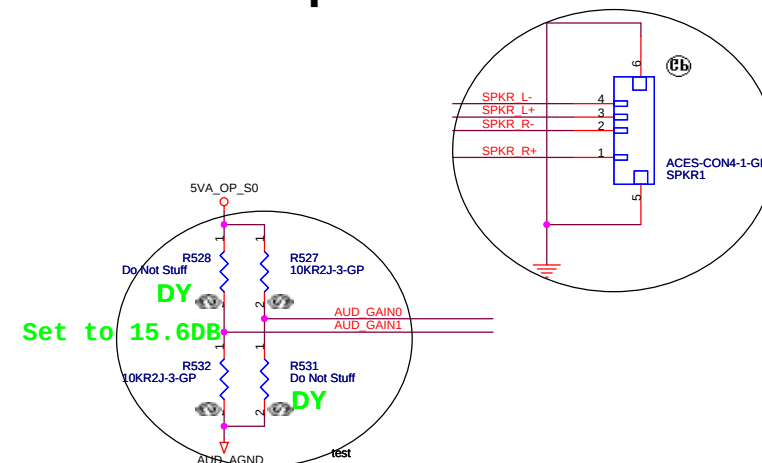
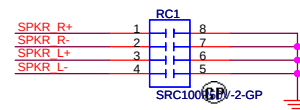
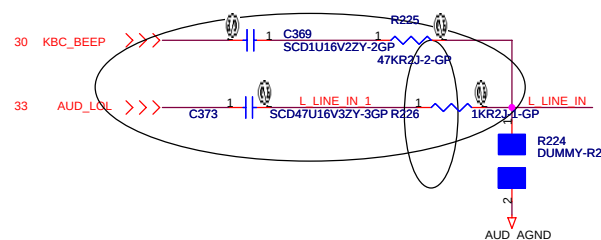
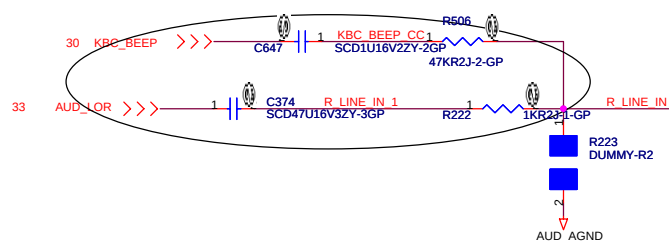
PLACE NEAR CAP1







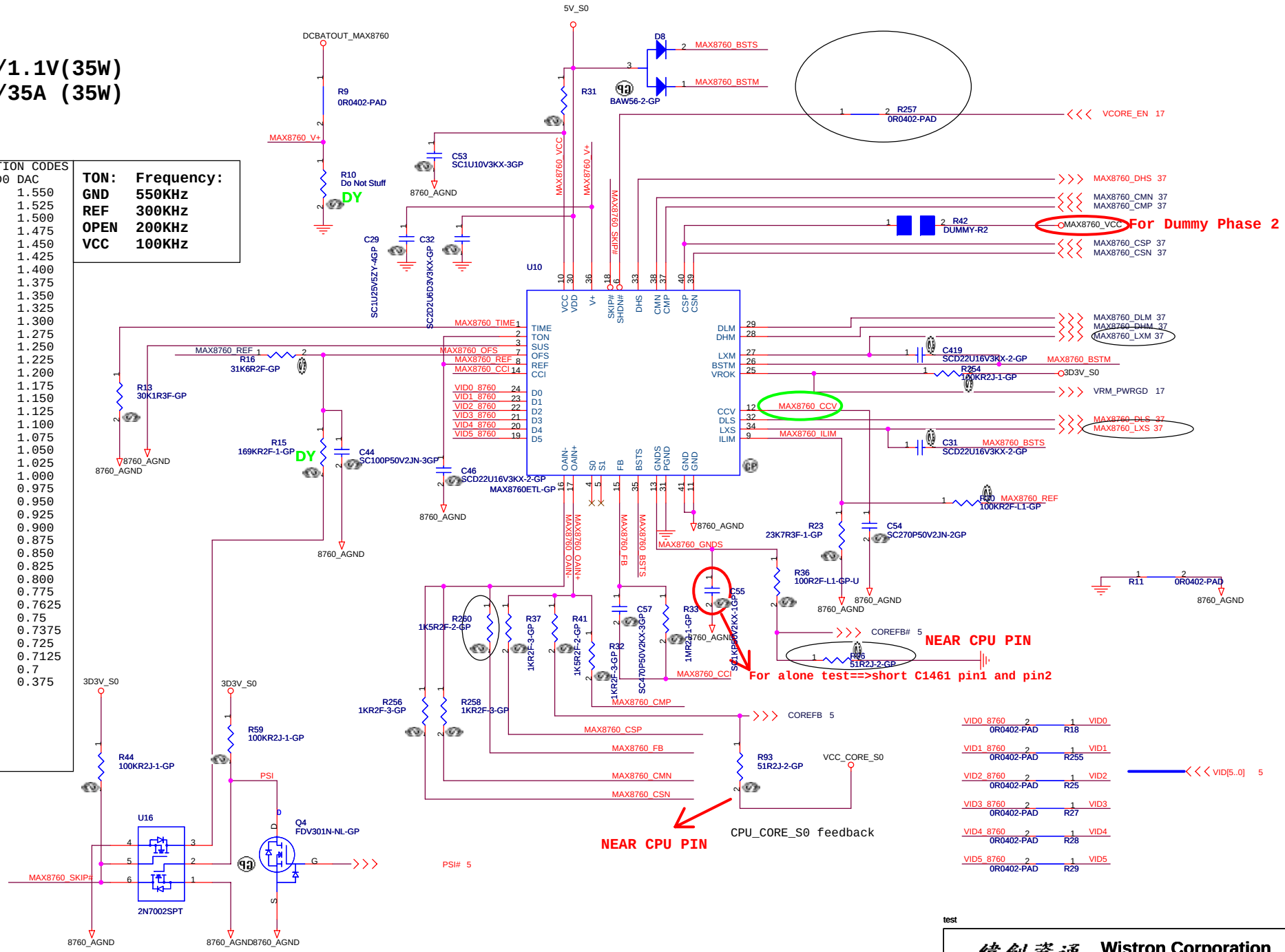
Speaker

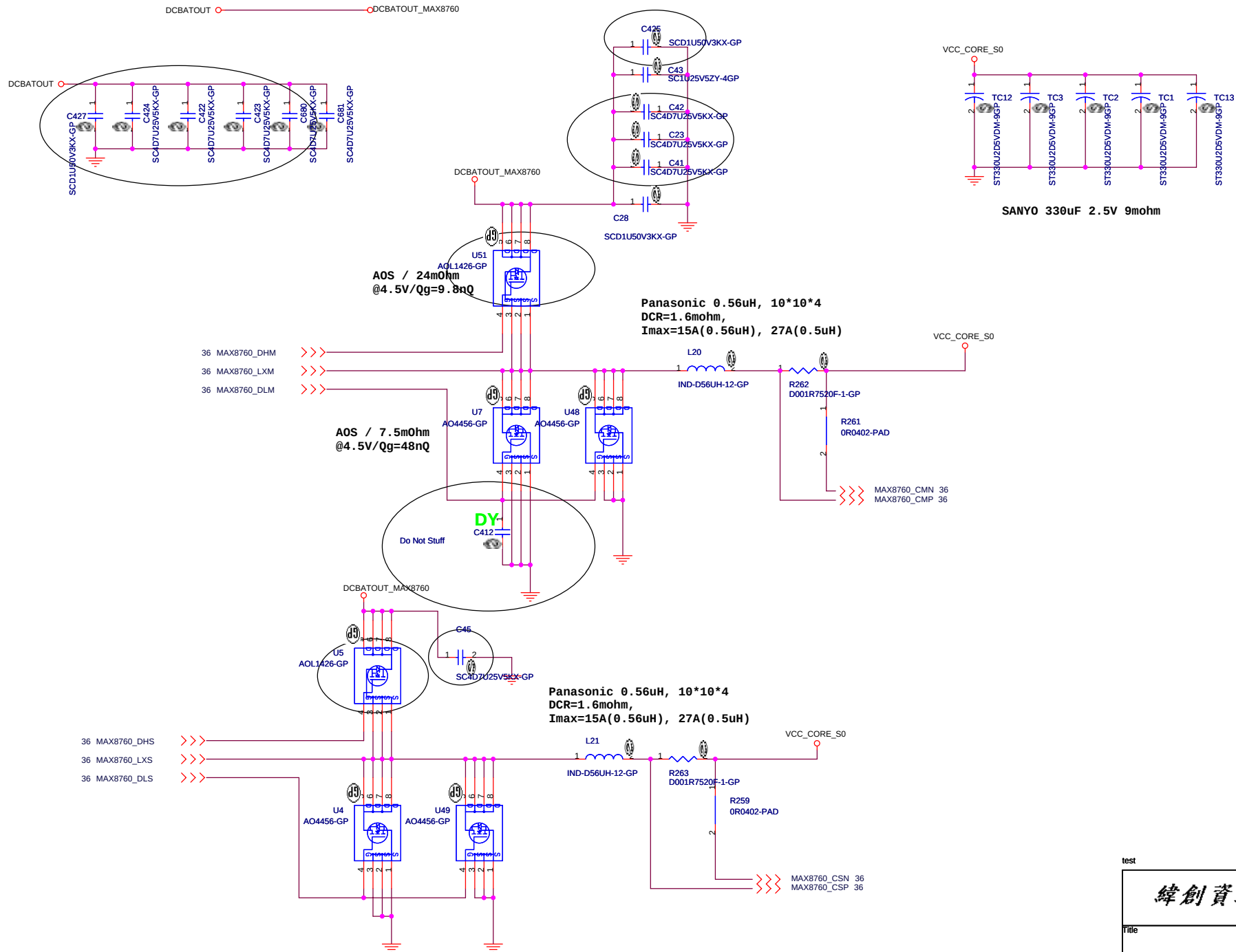


CPU_VCORE
VID=1.15V(25W)/1.1V(35W)
Iomax=25A(25W)/35A (35W)
OCP=40A~45A

TABLE 1. VOLTAGE IDENTIFICATION CODES						
VID5	VID4	VID3	VID2	VID1	VID0	DAC
0	0	0	0	0	0	1.550
0	0	0	0	0	1	1.525
0	0	0	0	1	0	1.500
0	0	0	0	1	1	1.475
0	0	0	1	0	0	1.450
0	0	0	1	0	1	1.425
0	0	0	1	1	0	1.400
0	0	0	1	1	1	1.375
0	0	1	0	0	0	1.350
0	0	1	0	0	1	1.325
0	0	1	0	1	0	1.300
0	0	1	0	1	1	1.275
0	0	1	1	0	0	1.250
0	0	1	1	0	1	1.225
0	0	1	1	1	0	1.200
0	0	1	1	1	1	1.175
0	1	0	0	0	0	1.150
0	1	0	0	0	1	1.125
0	1	0	0	1	0	1.100
0	1	0	0	1	1	1.075
0	1	0	1	0	0	1.050
0	1	0	1	0	1	1.025
0	1	0	1	1	0	1.000
0	1	0	1	1	1	0.975
0	1	1	0	0	0	0.950
0	1	1	0	0	1	0.925
0	1	1	0	1	0	0.900
0	1	1	0	1	1	0.875
0	1	1	1	0	0	0.850
0	1	1	1	0	1	0.825
0	1	1	1	1	0	0.800
0	1	1	1	1	1	0.775
1	0	0	0	0	0	0.7625
1	0	0	0	0	1	0.75
1	0	0	0	1	0	0.7375
1	0	0	0	1	1	0.725
1	0	0	1	0	0	0.7125
1	0	0	1	0	1	0.7
1	1	1	1	1	1	0.375

TON: Frequency:
GND 550KHz
REF 300KHz
OPEN 200KHz
VCC 100KHz



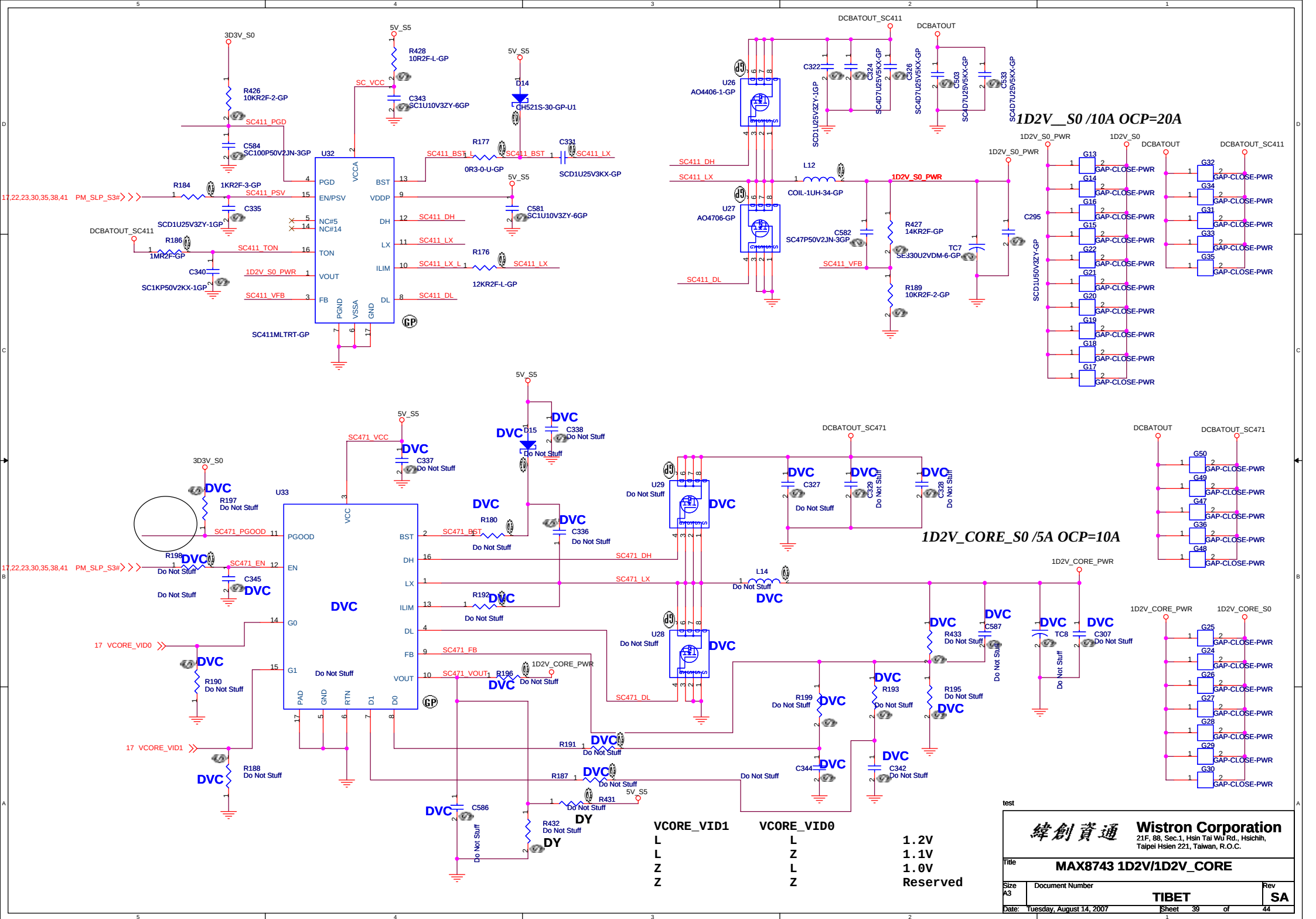


(Power Team)

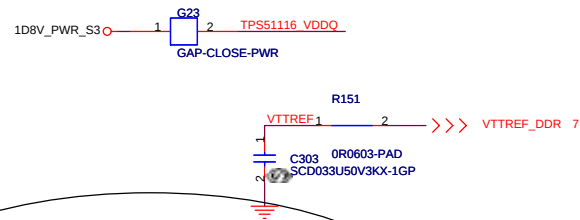
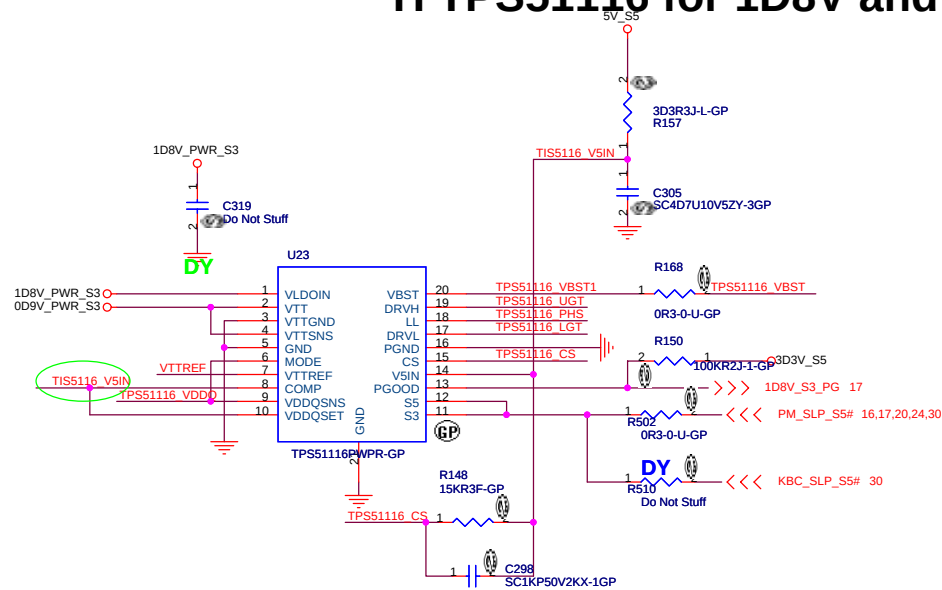
test

緯創資通		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
CPU CORE MAX8760(2/2)			
Size A3	Document Number		Rev SA
TIBET			
Date:	Tuesday, August 14, 2007	Sheet 37 of 44	

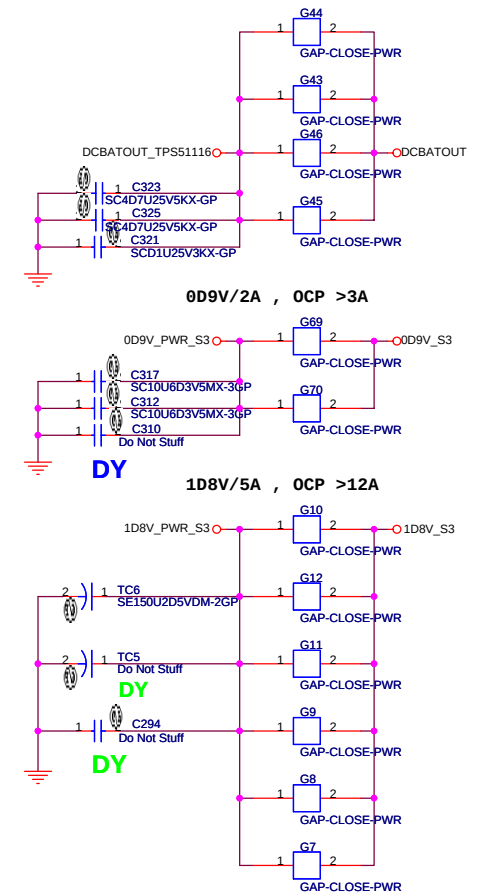
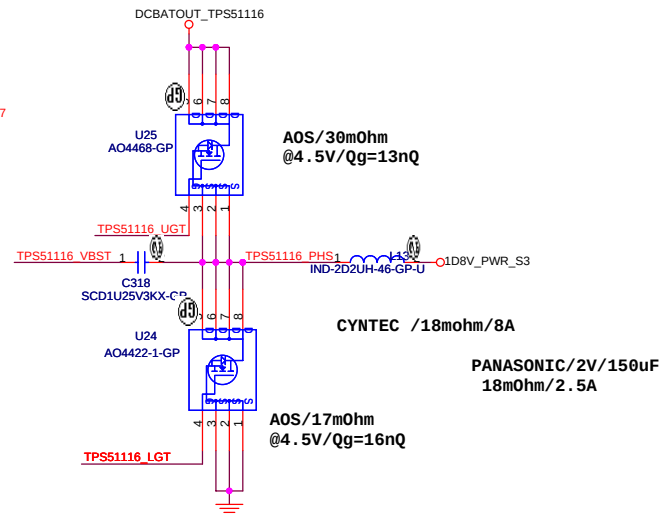




TI TPS51116 for 1D8V and 0D9V



State	S3	S5	VDDR	VTTREF	VTT
S0	Hi	Hi	On	On	On
S3	Lo	Hi	On	On	Off(Hi-Z)
S4/S5	Lo	Lo	Off	Off	Off

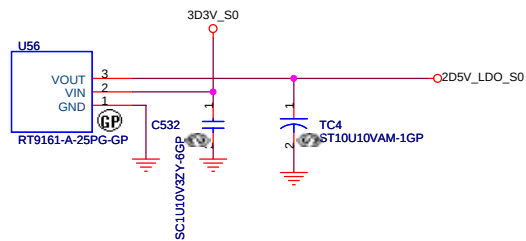


test

緯創資通

Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

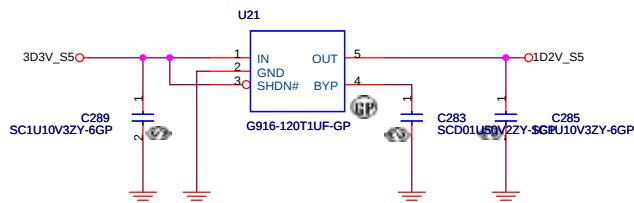
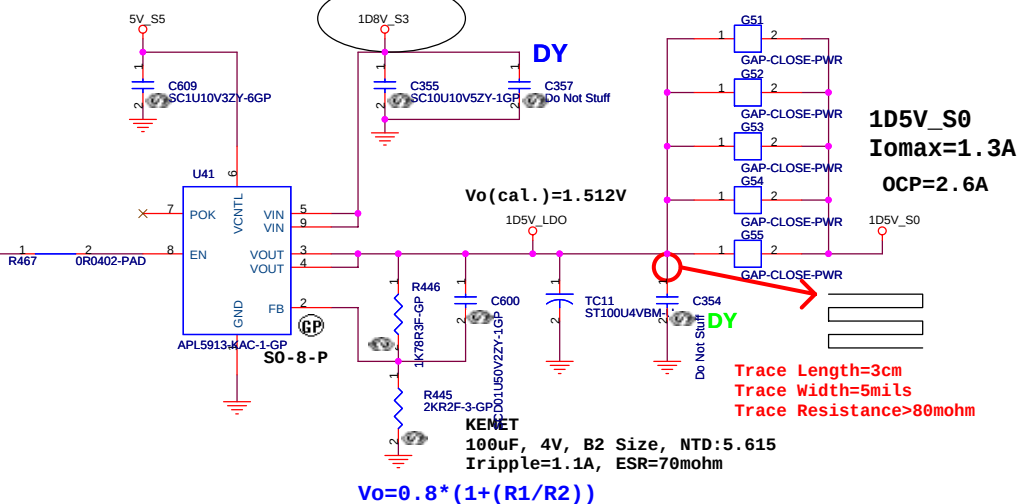
Title			
TPS51116 1D8V/0D9V			
Size A3	Document Number		Rev
	TIBET		SA
Date:	Tuesday, August 14, 2007	Sheet 40 of	44



Change 3D3V_S0 to 1D8V_S3

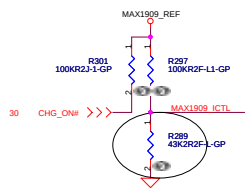
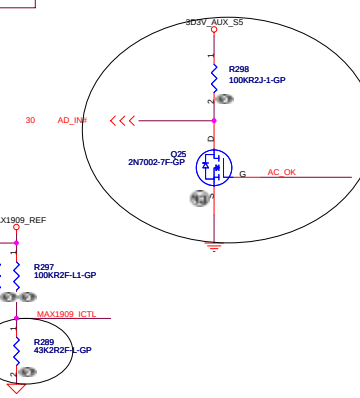
17,22,23,30,35,38,39 PM_SLP_S3#

>>>



Change G914 to G916

test



```

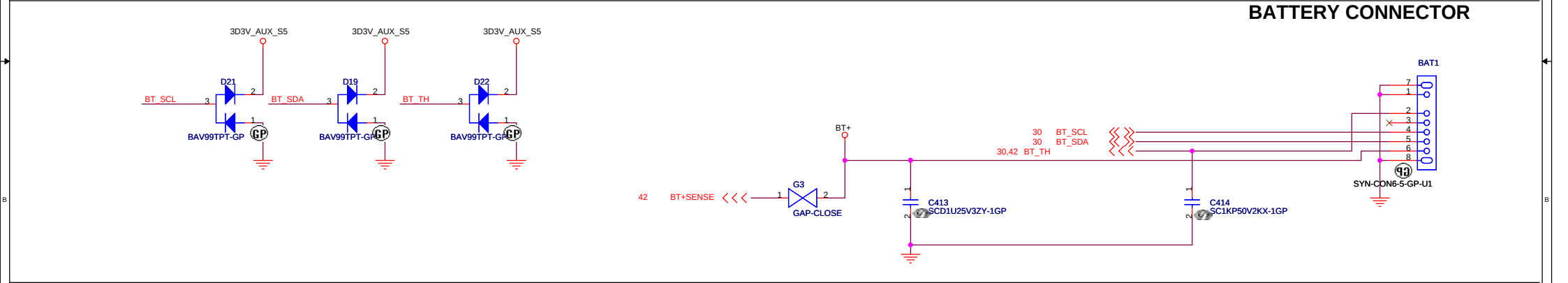
SET CHG OFF :
BAT_CHG_I = (0.075/Rx2)*(VICTL/3.6)
LI BAT :
CHG_I_SET = H(6cell),
Charge current = 3.0A
CHG_I_SET = L(12cell),
Charge current = 5.0A

Pre-Charge :
MAX8725 : CHG_I_PRE_SET = H,
Pre-Charge current = 300mA

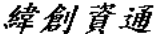
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The diagram illustrates the internal circuitry of the ADP104 evaluation board, specifically the section for generating the DCBATOUT signal. Key components and connections include:

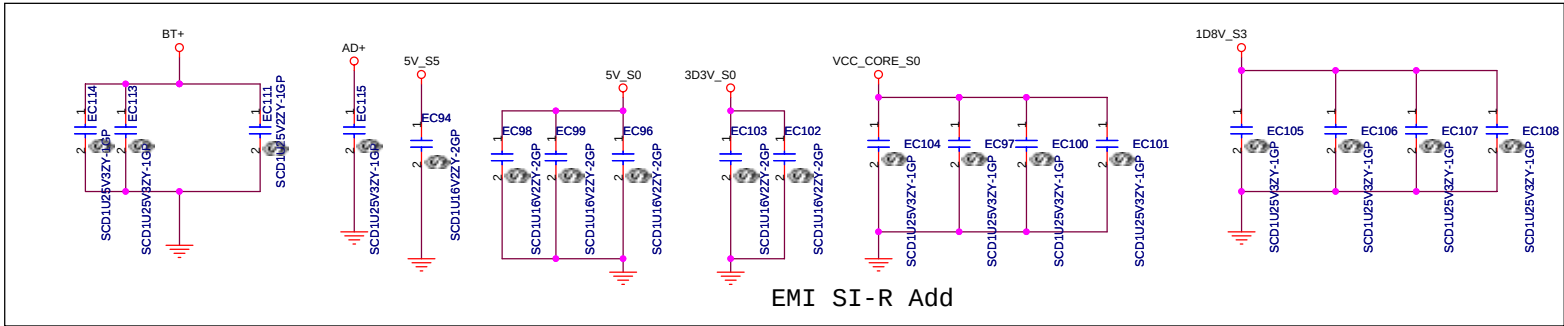
- DCIN1 Connector:** Provides input to the circuit.
- ACES-CON5-5-GP-U:** A connector component.
- Capacitors:** C418, C404, C405, C415, C402, and C411 are used for filtering and timing.
- Resistors:** R249, R247, and R245 are used for current limiting and voltage division.
- Integrated Circuits:** U47 (AO4407-1-GP) is a MOSFET driver, Q21 (PDTA124EU-1-GP) is a comparator, and Q22 (PDTA124EU-1-GP) is a comparator.
- Connections:** AD_JK, AD_OFF#, AD+, and DCBATOUT are labeled connection points.



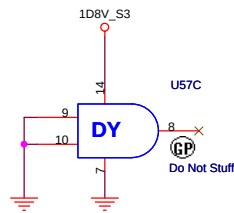
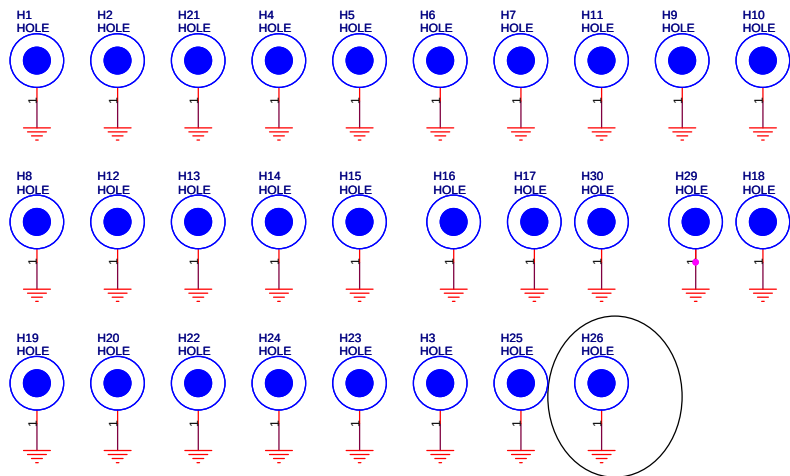
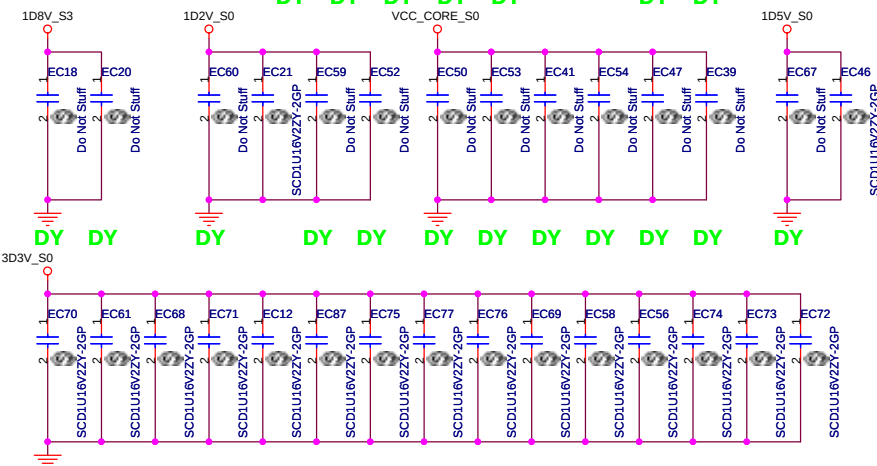
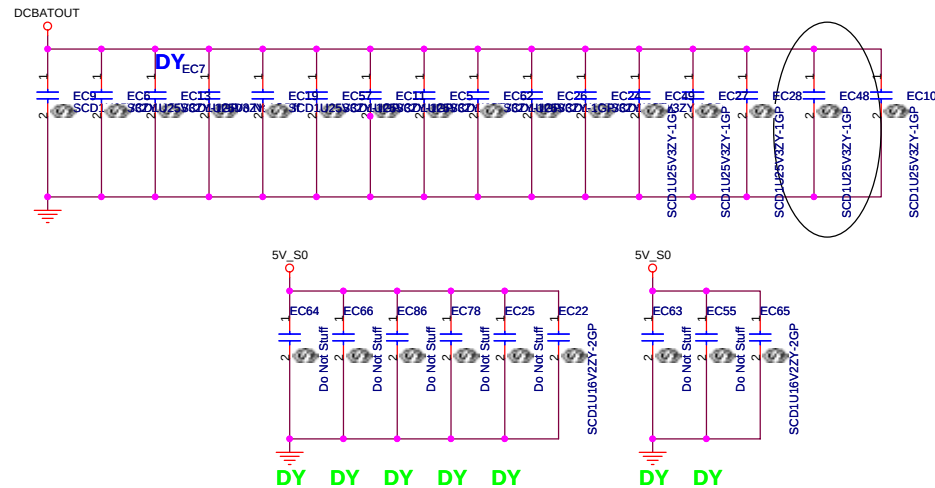
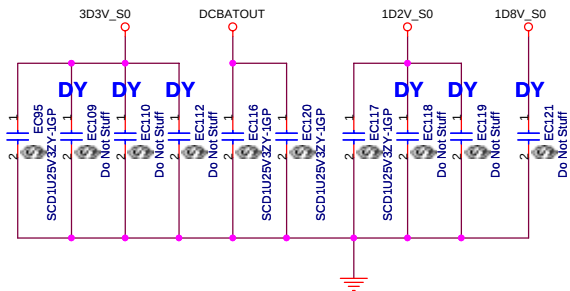
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 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.		
Title AD/BATT CONN		
Size A3	Document Number TIBET	Rev SA
Date: Tuesday, August 14, 2007		Sheet 43 of 44

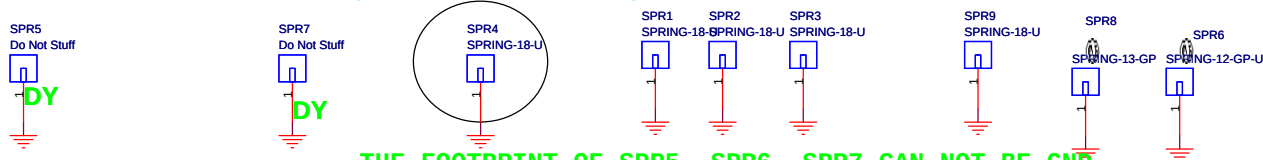
5 4 3 2 1



	FF	DF
CAMERA	○	×
LAN	10/100	10/100
1394/5 IN 1	○	×
EXTRA USB	○	×
MIC	○	×
CR LED	○	×



Modify SPR7 P/N manually



THE FOOTPRINT OF SPR5, SPR6, SPR7 CAN NOT BE GND