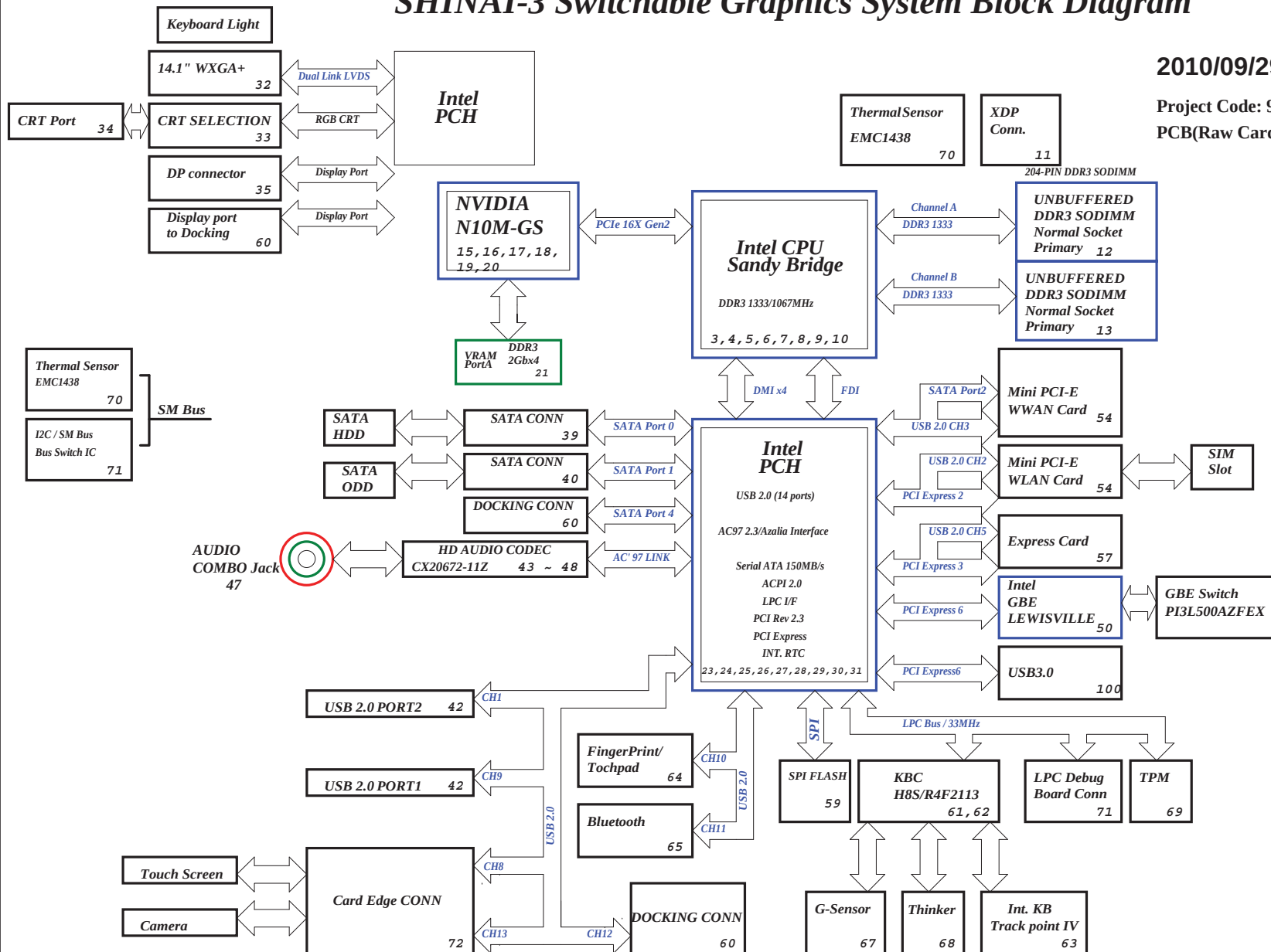


SHINAI-3 Switchable Graphics System Block Diagram

2010/09/29

Project Code: 91.4KF01.001

PCB(Raw Card): 10226-SB

PCB Layer Stackup

L1: TOP

L2: SIGNAL

L3: G/P

L4: SIGNAL

L5: G/P

L6: G/P

L7: SIGNAL

L8: G/P

L9: SIGNAL

L10: BOTTOM

Battery Charger/Selector
BQ24742 74

INPUTS	OUTPUTS
--------	---------

DCIN_PWR20_F	M-BAT-PWR S-BAT-PWR
--------------	------------------------

System DC/DC 78

1F351222	
VINT32	VCC5M

	VCC3M
CPU DC/DC	

VT1316/VT1317 79

VCC5M_OUT	VCCCPUCORE
-----------	------------

GFX CORE_D 83
ADP3211

VINT20	VCCGFXCORE_D
--------	--------------

GFX CORE_I 81

V11517	
VCC5M_OUT	VCCGEXCORE_L

VCC1R5A	26
---------	----

VT358FCX	

VCC5M_OUT	VCC1R5A
VCC0P75B	

MAX1510	87
---------	----

VCC1R5A	VCC0R75B
---------	----------

TPS62290 89

VCC5M	VCC1R8B
-------	---------

VCC1R05AMT 85
VT256ECY

VCC5M OUT	VCC1R05LAN
-----------	------------

VCC1R05B_VTT₈₄

VI35/FCA	
	XXXXXXXXXX

--	--

<Variant Name>

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Wistron Corporation
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Taipei Hsien 221, Taiwan, R.O.C.

Title			
Block Diagram			
Size	Document Number	Rev	
Custom	SHINAI-3 SWG	SB	
Date:	Wednesday, September 29, 2010	Sheet 1 of	102

RESISTOR

Symbol name	Value	Tolerance (J: 5%, F: 1%, D: 0.5%, B: 0.1 %)	Rating 0402=> 1/16W, 25V 0603 => 1/16W, 75V 0805 => 1/10W, 100V	Size 2=>0402, 3=>0603, 5=>0805, 6=>1206, 0=>1210
10KR3	10K Ohm	If no letter, it means J: 5%	1/16W, 75V	0603
33D3R5	33.3 Ohm	If no letter, it means J: 5%	1/10W, 100V	0805
1KR3F	1K Ohm	F: 1%	1/16W, 75V	0603

The naming rule is value + R + size + tolerance
 For the value, it can be read by the number before R. (R means resistor)
 For the tolerance, it can be read from the last letter.
 For the rating, we don't show on the symbol name.
 For the size, R2=>0402, R3=>0603, R5=>0805,....

CAPACITOR

Symbol name	Value	Tolerance (M: +/-20, K: +/-10, Z: +80/-20)	Rating	Size 2=>0402, 3=>0603, 5=>0805, 6=>1206, 0=>1210
SCD1U10V2MX-1	0.1uF	M/X5R	10V	0402
SC10U6D3V5MX	10uF	M/X5R	6.3V	0805
SC2D2U16V5ZY	2.2uF	Z/Y5V	16V	0805

The naming rule is
Capacitor type + value + rating + size + tolerance + material
SCD1U10V2MX-1
SC=> SMT Ceramic, TC=> POS cap or SP cap
D1U => 0.1uF
10V => the voltage rating is 10V
2=> 0402, 3=>0603, 5=>0805
M=>tolerance M, K, Z
X=> X7R/X5R, Y=> Y5V
-1 => symbol version, nonsense to EE characteristic

PLANAR_ID[3..0]

ICH9-M GPIO _n	39	38	37	36	Planar ID Version	Planar PCB Version
PLANAR_ID _n	3	2	1	0		
	0	0	0	0	SHINAI-3 SWG PDV	SA
	0	0	0	1		
	0	0	1	0		
	0	0	1	1		
	0	1	0	0		
	0	1	0	1		
	0	1	1	0		
	0	1	1	1		

EC HISTORY

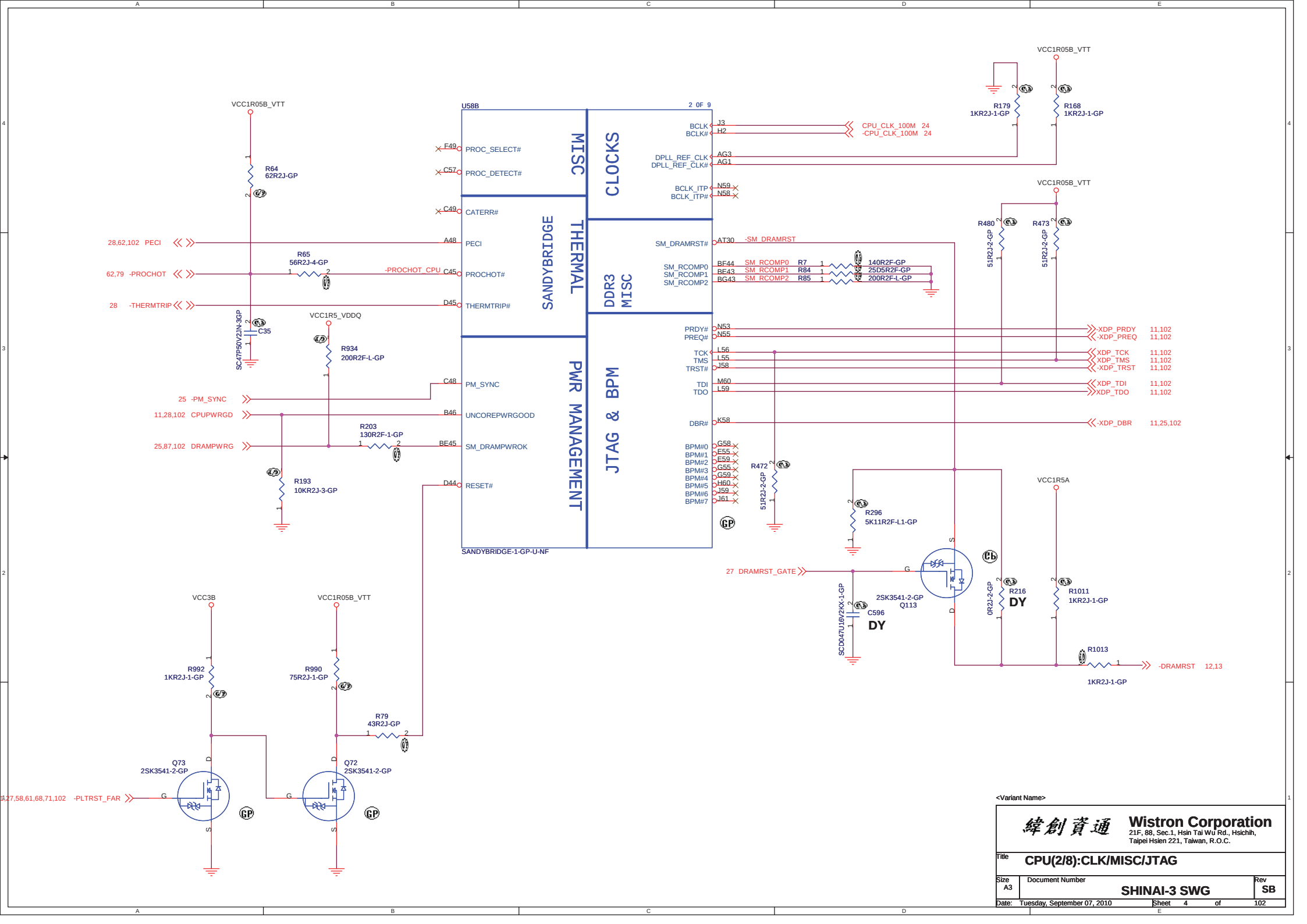
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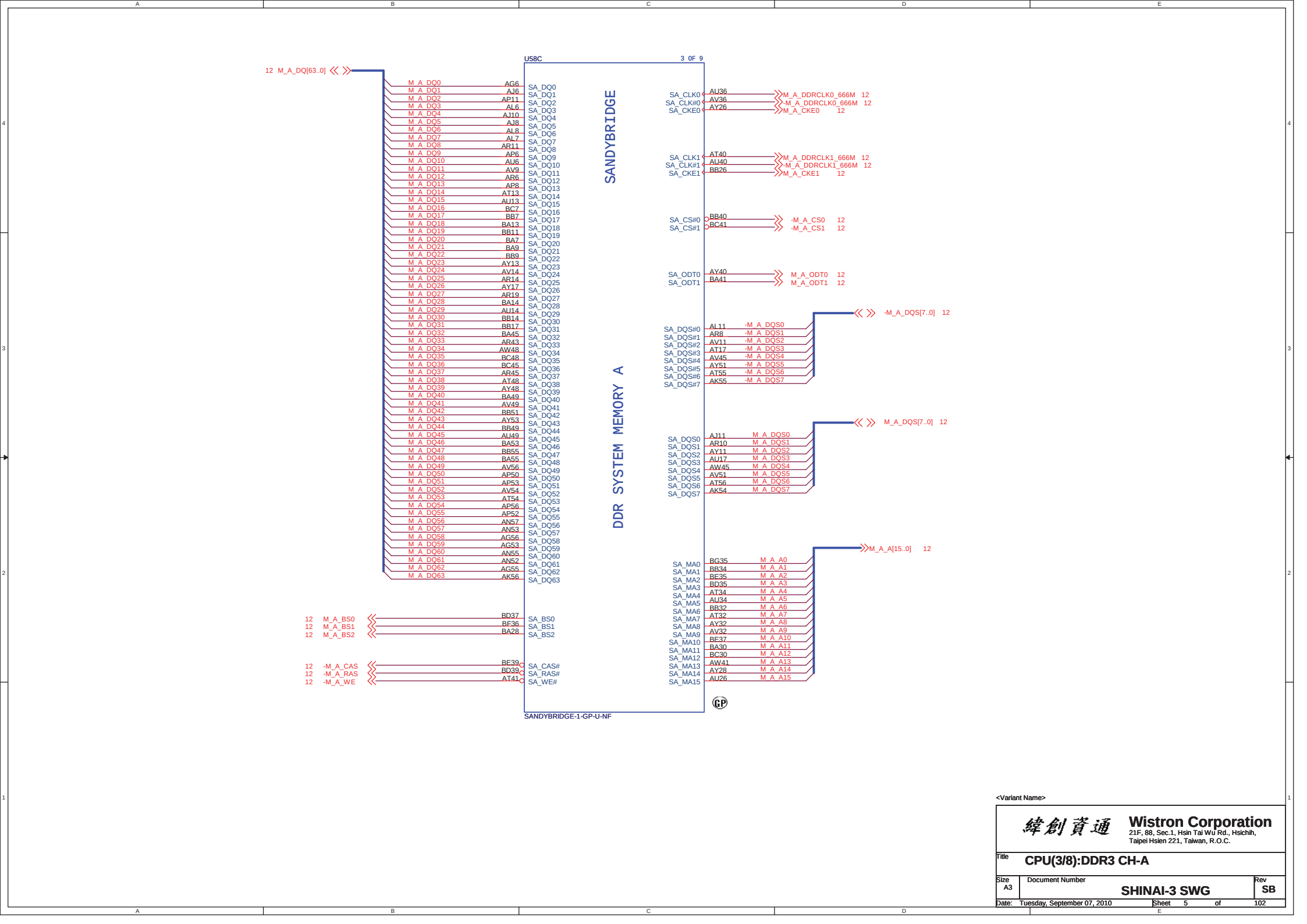
PCI TABLE

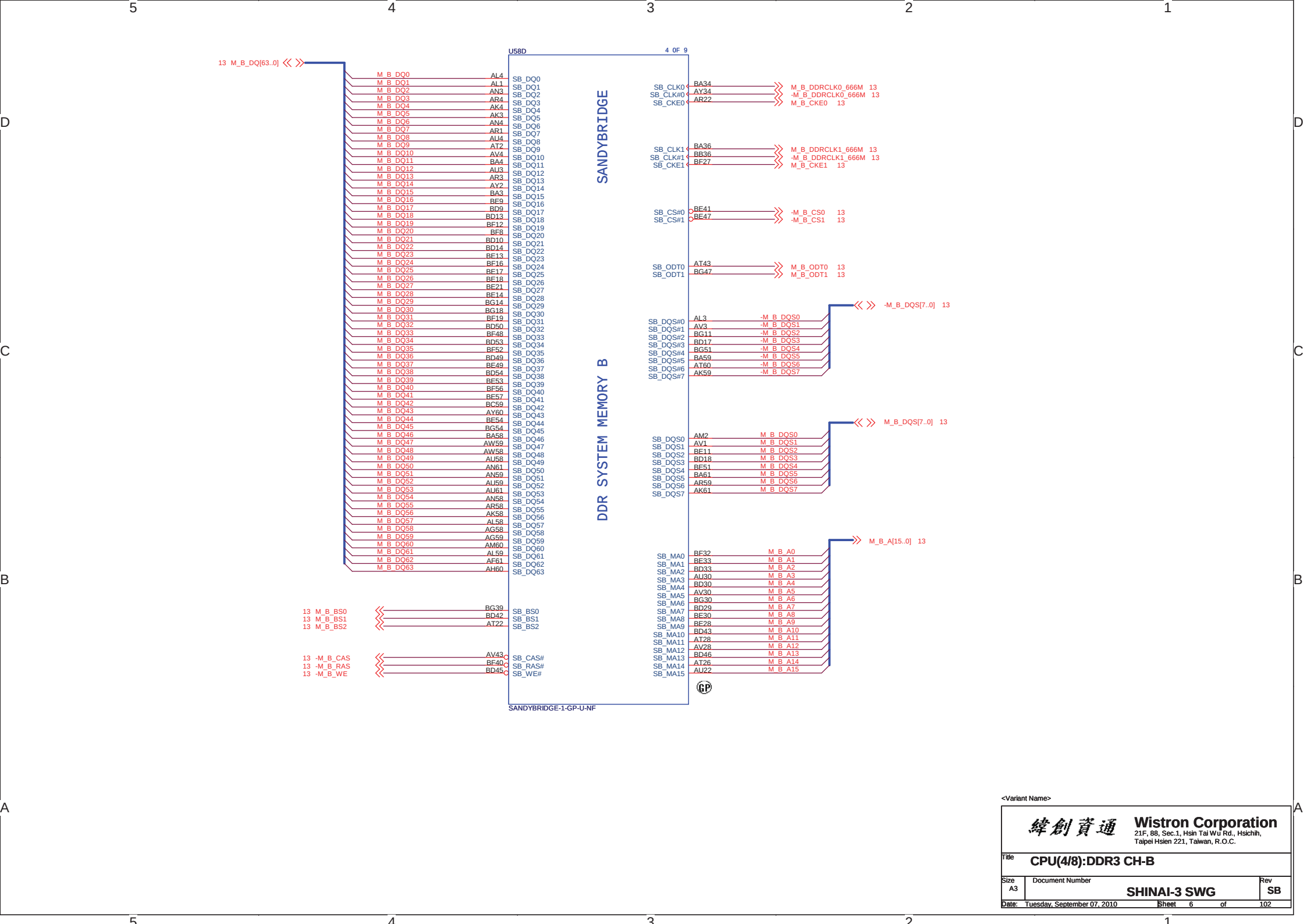
DEVICE	IDSEL	IRQ (Default)	REQ# / GNT#
MINIPCI SLOT	AD18	F, G	REQ# 3/ GNT#
CARDBUS R5C811	AD16	SERIRQ	REQ#0 / GNT#
USB UHCI	AD29	A, C, D	
USB 2.0 EHCI	AD29	H	
DMI-to-PCI/ AC97 Modem/ AC97 Audio	AD30	B B	
LPC Bridge IDE SATA SMBus	AD31	C C B	
PCI Express	AD28	A, B, C, D	

<Variant Name>

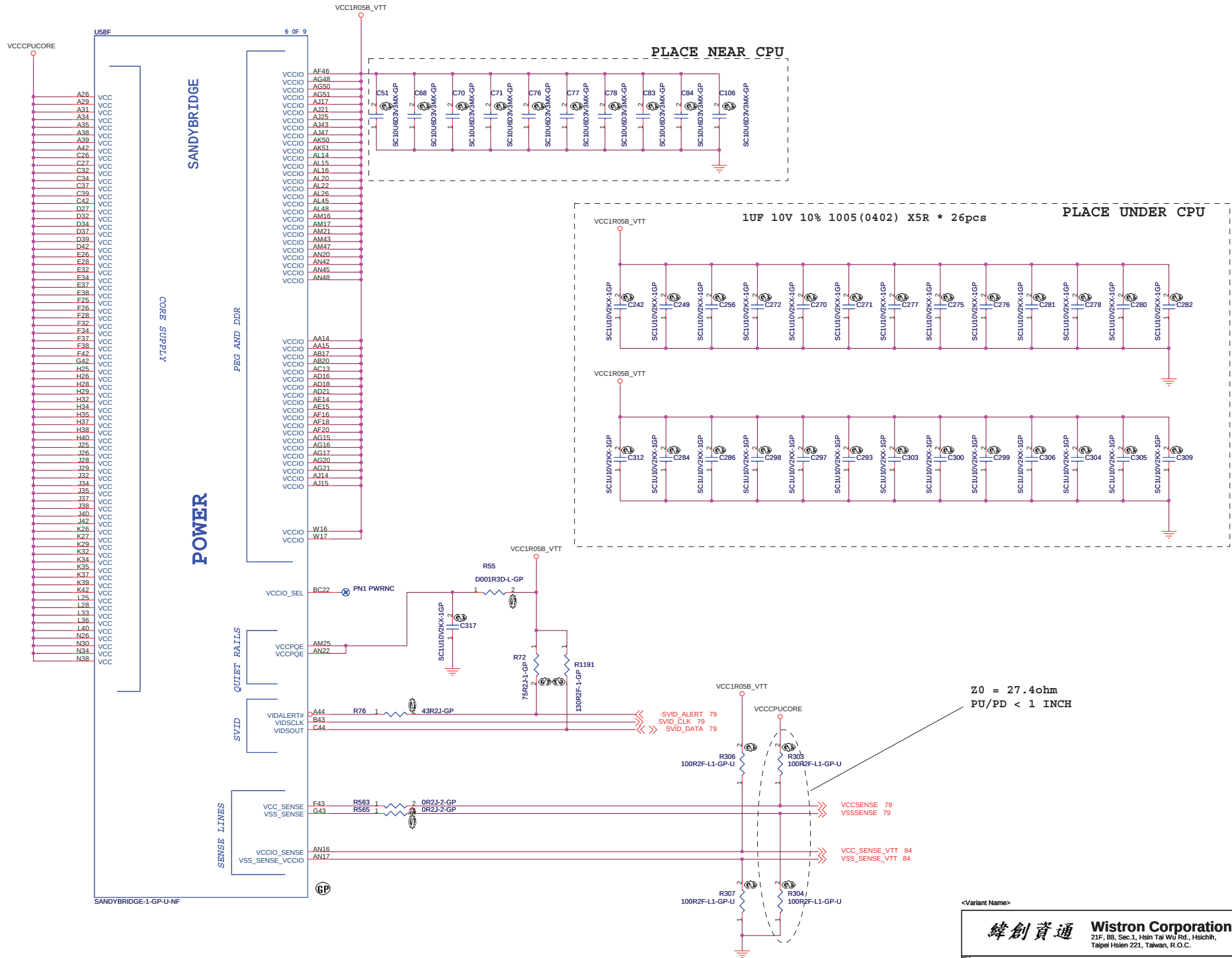
 緯創資通		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
		EC HISTORY	
Size A3	Document Number	SHINAI-3 SWG	Rev SB
Date: Tuesday, September 07, 2010		Sheet 2 of	102







<Variant Name>



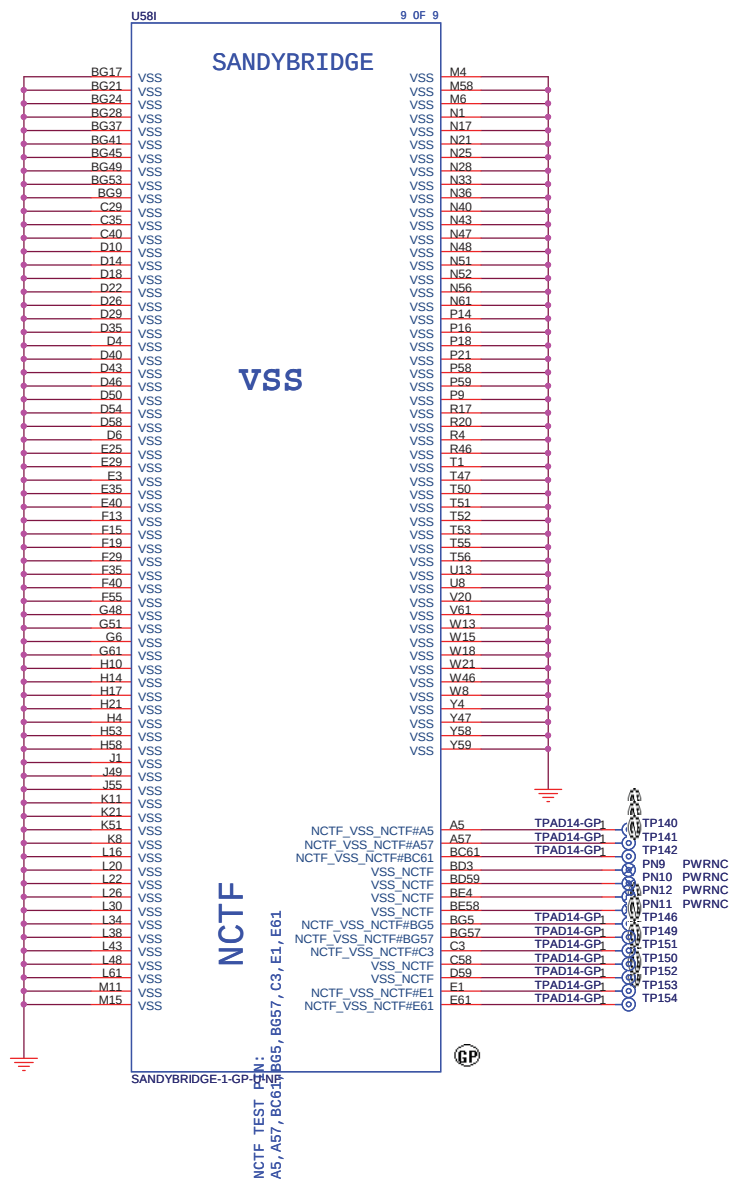
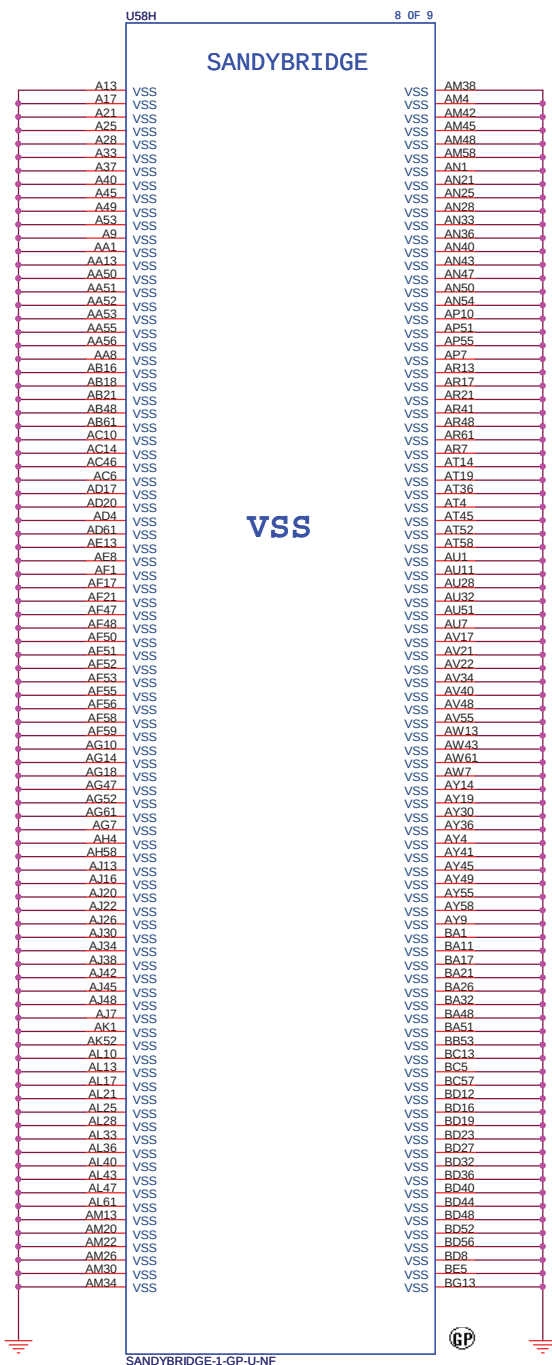
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緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

File CPU(5/8): PROCESSOR POWER

Size Document Number Rev
Custom SB

Date: Tuesday, September 07, 2010 Sheet 7 of 102



TABLE

CFG2 PEG LANE REVERSAL

- 1 -NO_ASM: NORMAL
- 0 -ASM: RESVERSE

CFG4 DISPLAY PORT PRESENCE

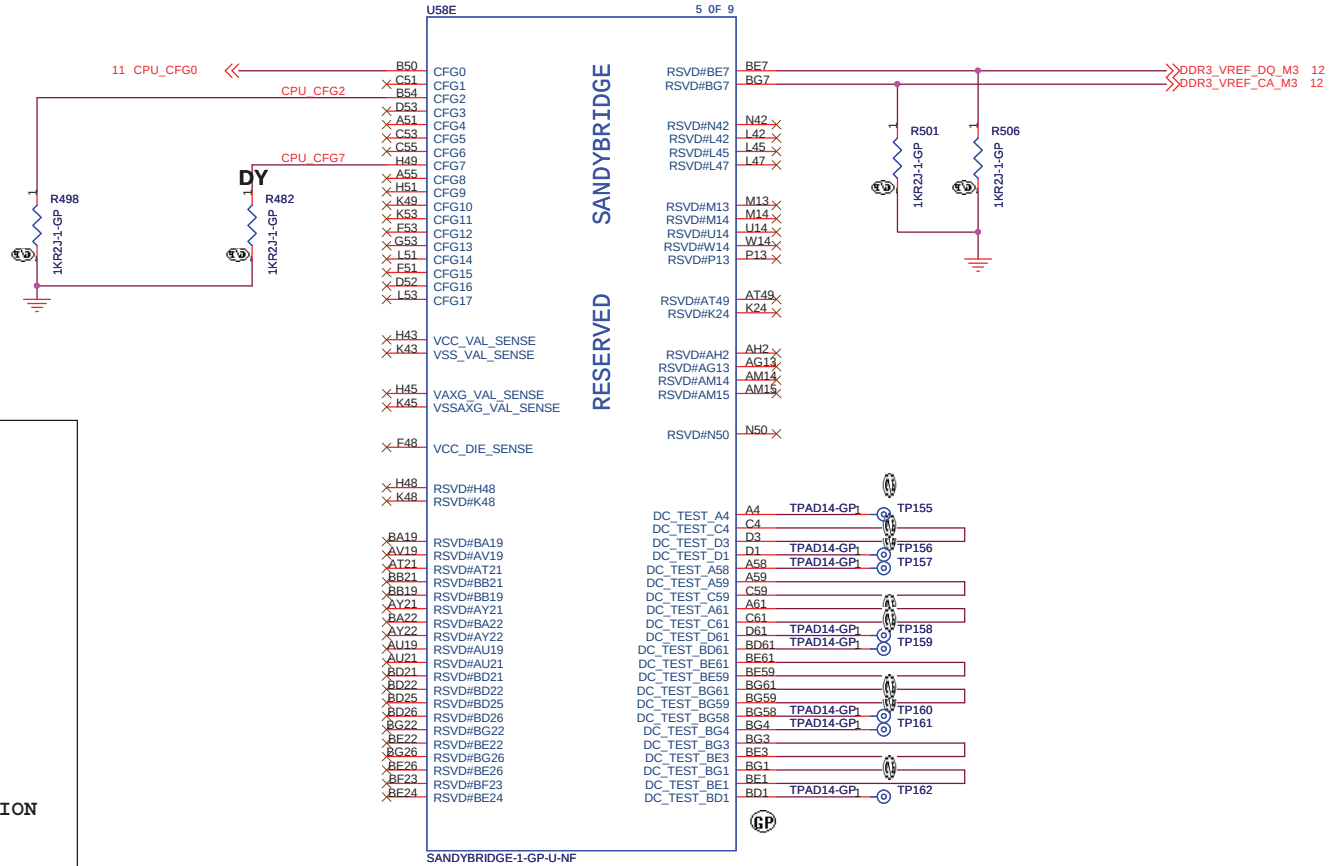
- 1 -NO_ASM: DISABLE
- 0 -ASM: ENABLE

CFG[6:5] PEG BIFURCATION CONFIG

- 11 -SINGLE 16 LANES (D01:F1 AND D01:F2 DISABLED)
- 10 -2X8 LANES (D01:F1 ENABLED: D01:F2 DISABLED)
- 01 -RESERVED
- 00 -8 LANES AND 2X4 LANES (D01:F1 AND D01:F2 ENABLED)

CFG7 PEG DEFER TRAINING

- 1 -NO_ASM: PEG TRAIN IMMEDIATELY FOLLOWING XXRESETB DEASSERTION
- 0 -ASM: PEG WAIT FOR BIOS FOR TRAINING



<Variant Name>

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

Title **CPU(8/8): CFG/RESERVED**

Size A3 Document Number **SHINAI-3 SWG** Rev SB

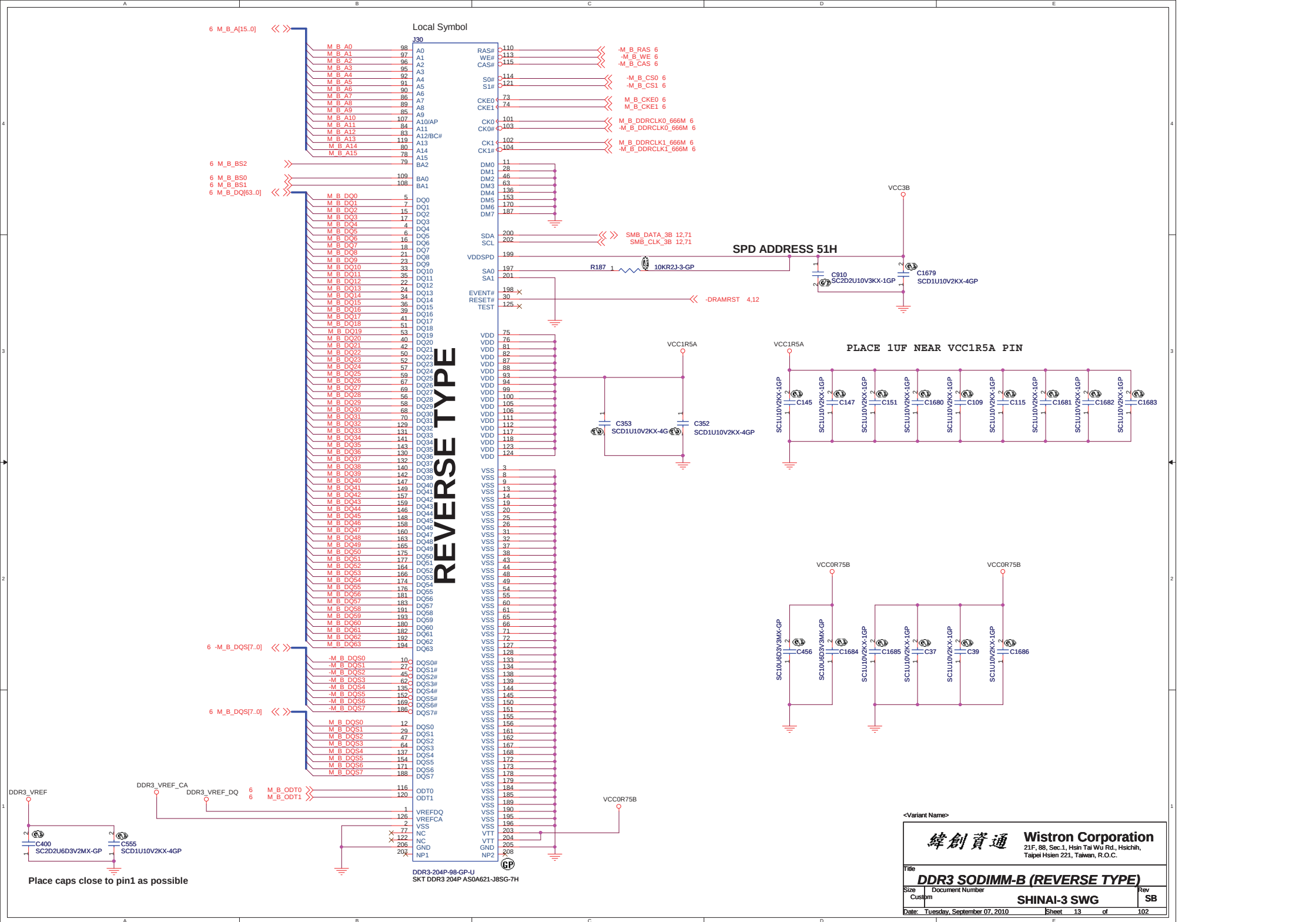
Date: Tuesday, September 07, 2010 Sheet 10 of 102

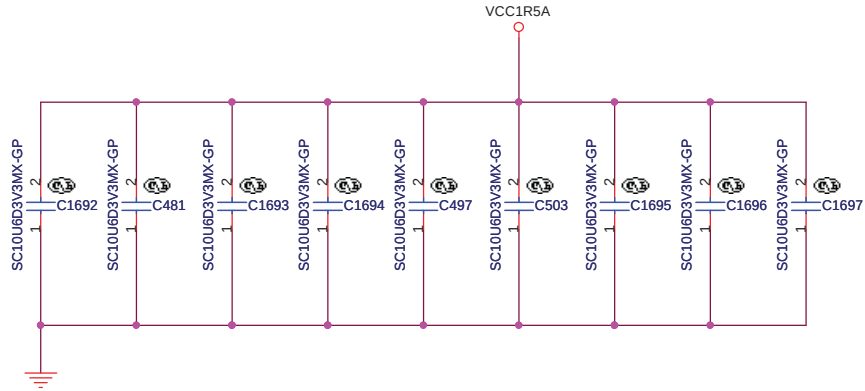
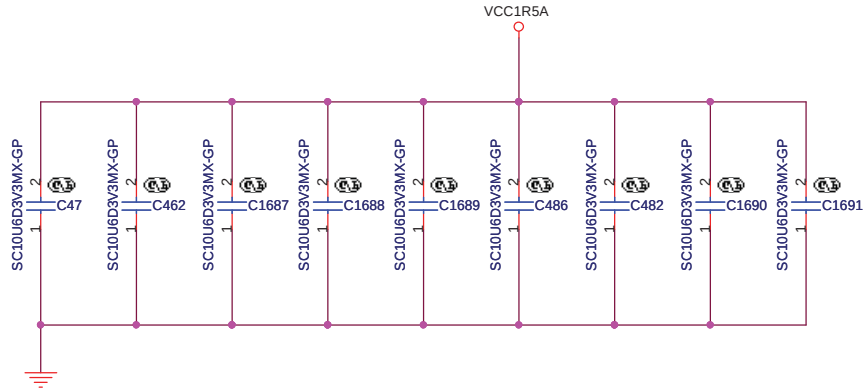
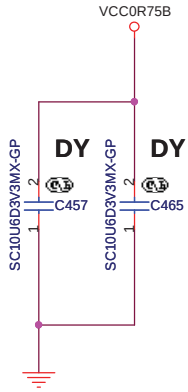


SIGNAL	REF DES	ENABLE	DISABLE
TDO	R475	ASM	NO_ASM
TRST#	R471	ASM	ASM
DBRST#	R491	ASM	ASM
RESET#	R588	ASM	NO_ASM
CFG0	R477	ASM	NO_ASM
PWRGD	R594	ASM	NO_ASM
BPWRG	R954	ASM	NO_ASM
	J8	ASM	NO_ASM



SIGNAL	REF DES	ENABLE	DISABLE
TDO	R509	220	NO_ASM
	R943	100	NO_ASM
TMS	R530	220	NO_ASM
	R946	100	NO_ASM
TDI	R515	220	NO_ASM
	R945	100	NO_ASM
TCK	R541	51	51
MPWRG	R511	ASM	NO_ASM
	R514	ASM	NO_ASM
	J9	ASM	NO_ASM





<Variant Name>

緯創資通

Wistron Corporation
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Title
DDR3 DECOUPLING

Size
A4

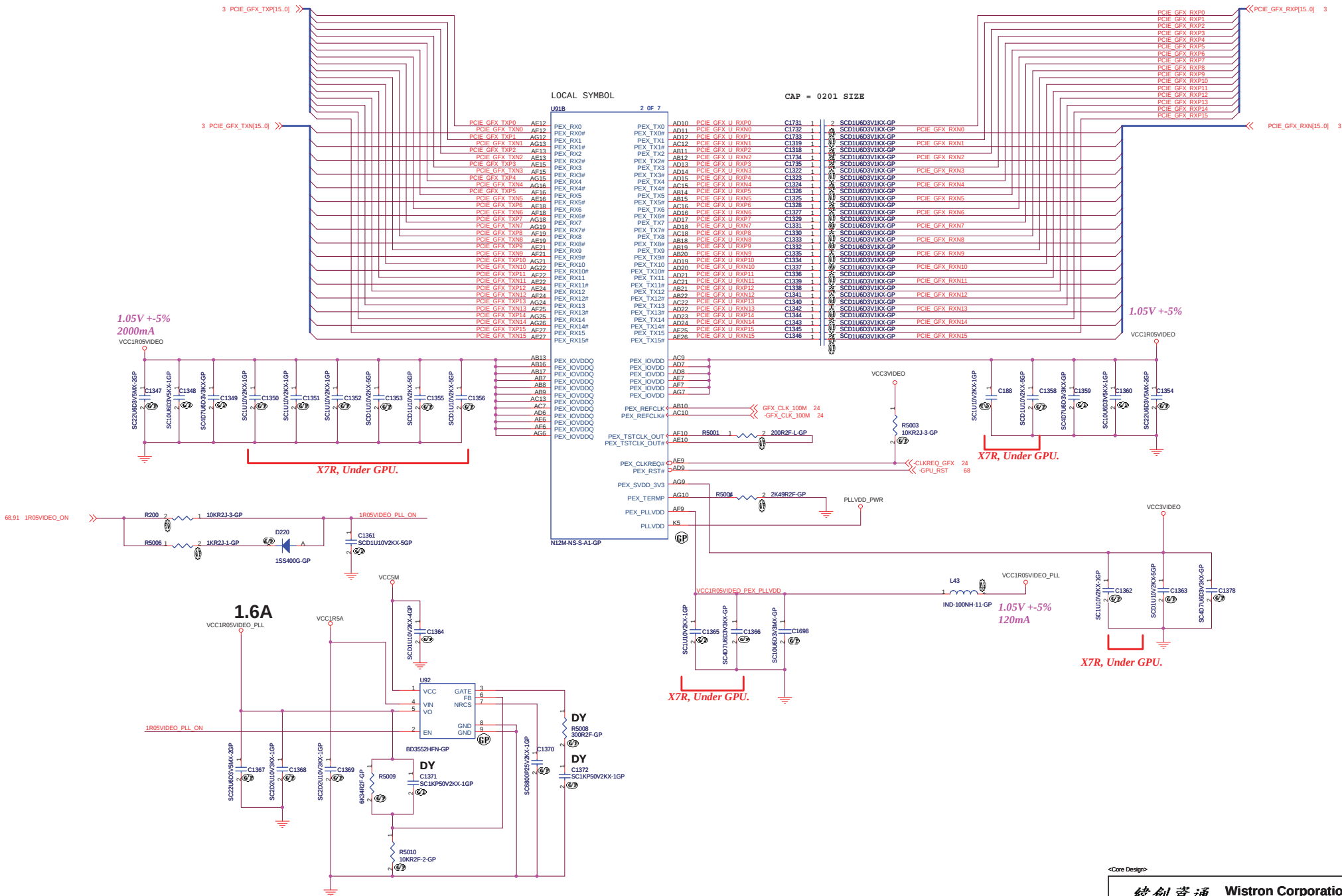
Document Number

SHINAI-3 SWG

Rev
SB

Date: Tuesday, September 07, 2010

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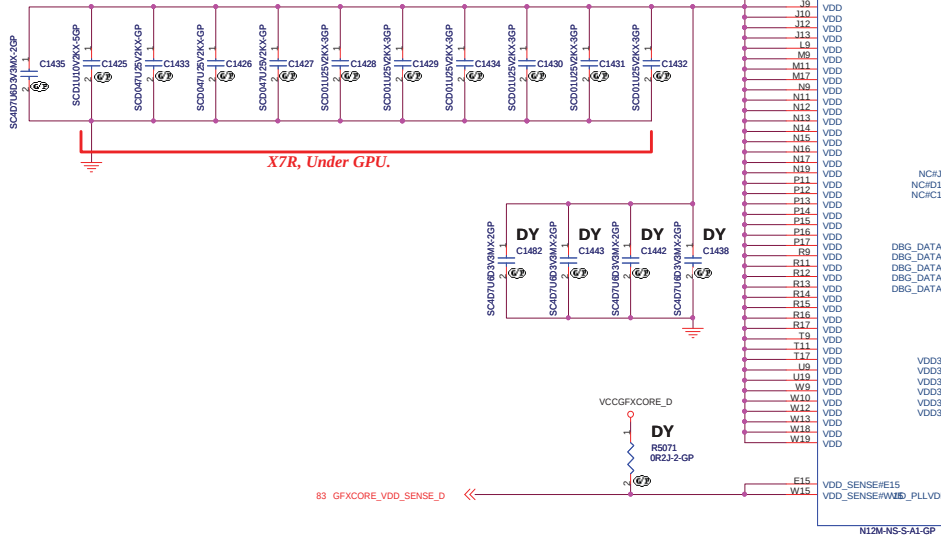
11.73A

NEAR BALL

VCCGFXCORE_D

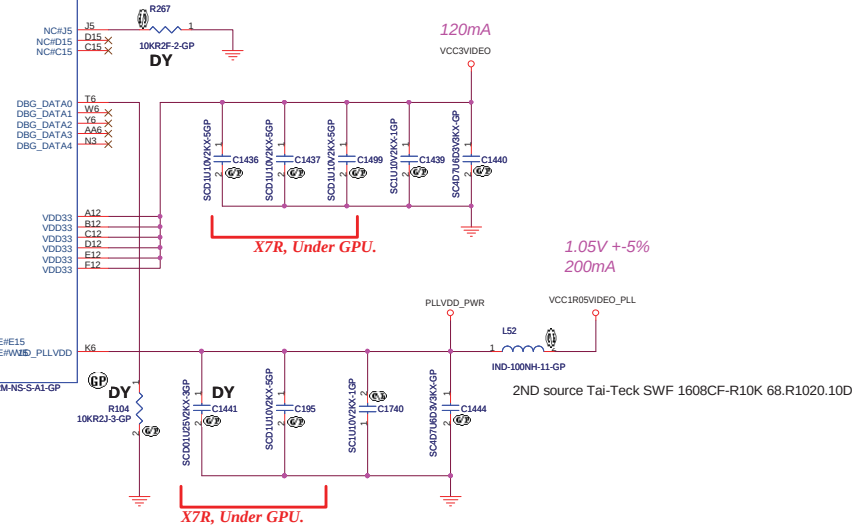
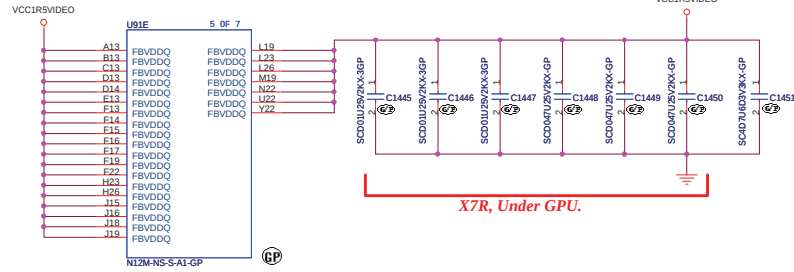
LOCAL SYMBOL

U91F 6 OF 7



2.49A

VCC1R5VIDEO

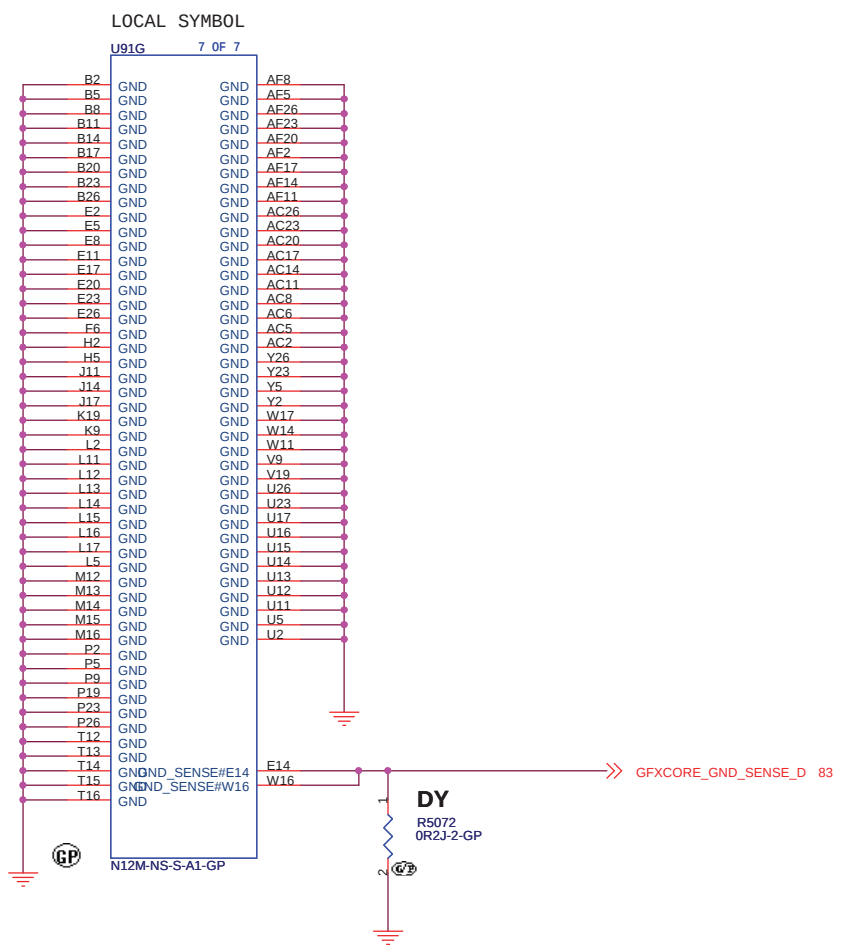


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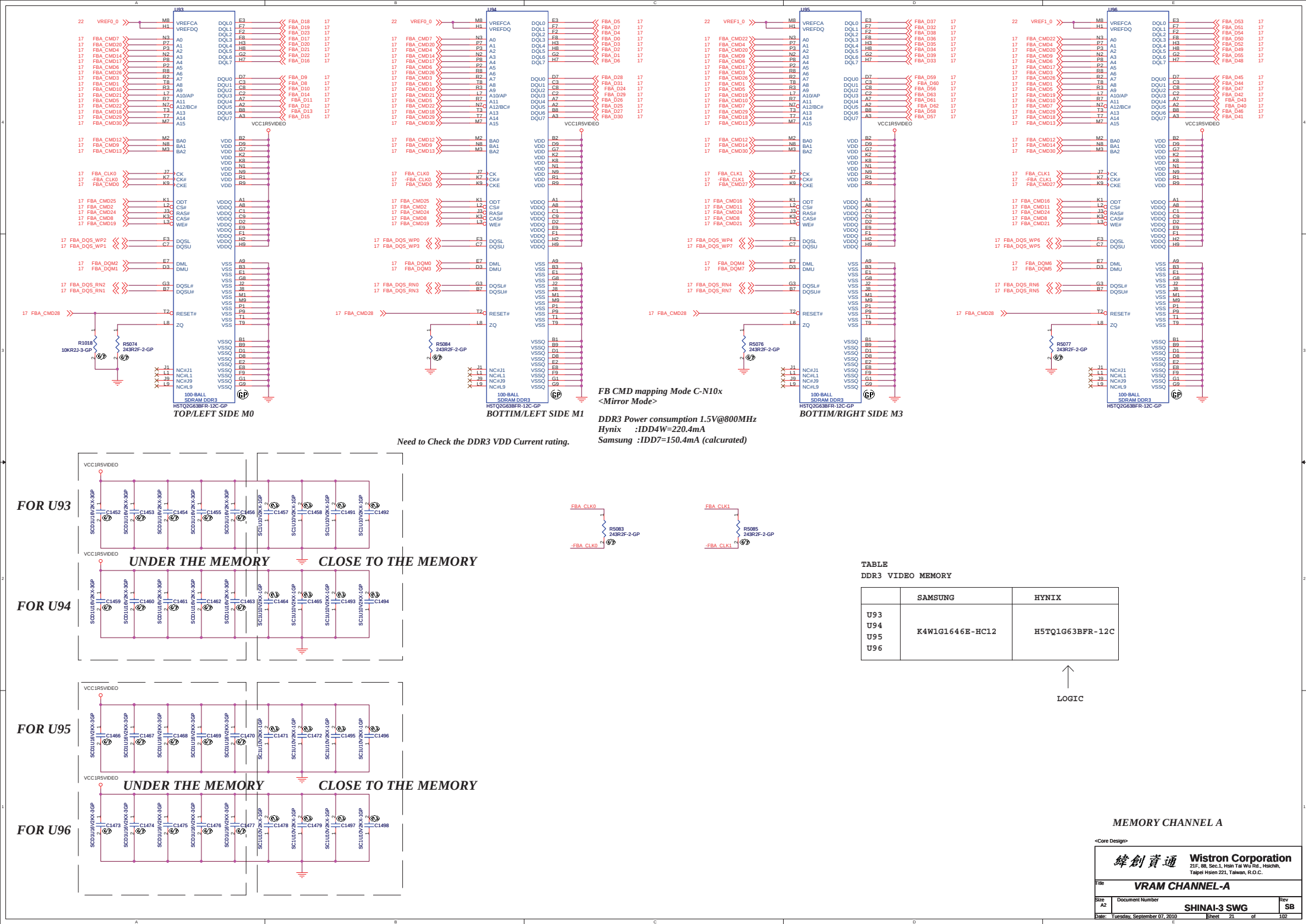
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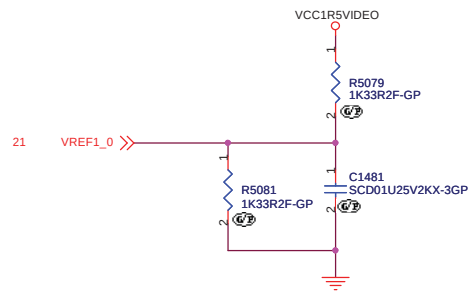
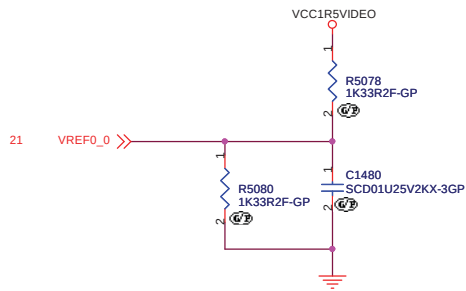
Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

File			N12M-NS(5/6): POWER	
Size	Document Number	SHINAI-3 SWG		Rev
C				SB
Date:	Tuesday, September 07, 2010	Sheet	19	of 102



<Core Design>			
緯創資通		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
N12M-NS(6/6): GND			
Size B	Document Number		Rev SB
		SHINAI-3 SWG	
Date:	Tuesday, September 07, 2010	Sheet 20 of	102





<Core Design>

緯創資通

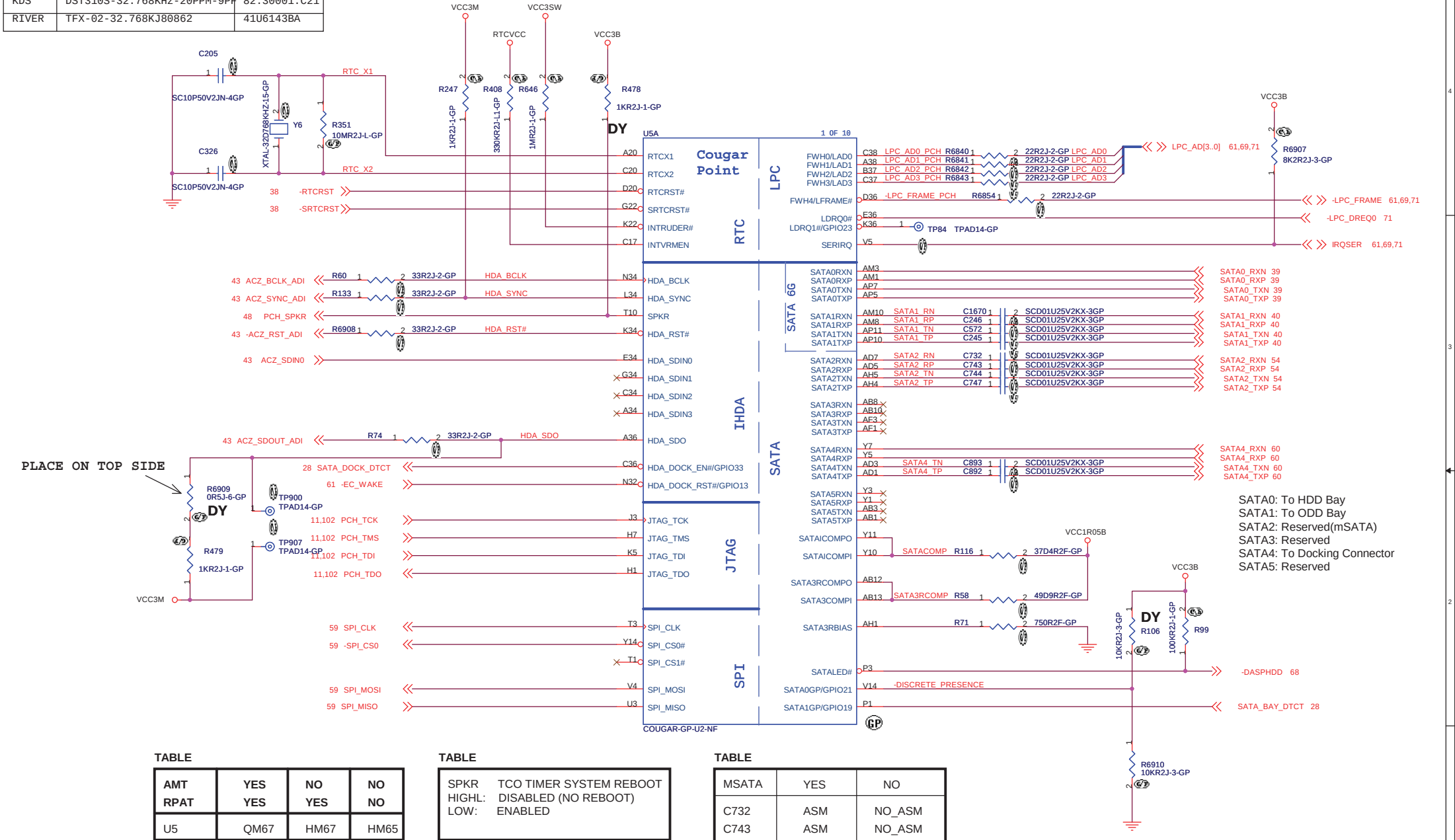
Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title **DYNAMIC MEMORY TERMINATION**

Size A3	Document Number	Rev SB
Date: Tuesday, September 07, 2010	Sheet 22 of 102	

SHINAI-3 SWG

P/N 41U6143		
VENDOR	PART	WISTRON P/N
KDS	DST310S-32.768KHZ-20PPM-9PF	82.30001.C21
RIVER	TFX-02-32.768KJ80862	41U6143BA



54 PCIE_WLAN_RXN
57 PCIE_WLAN_RXP
54 PCIE_WLAN_TXN
54 PCIE_WLAN_TXP

57 PCIE_EXC_RXN
57 PCIE_EXC_RXP
57 PCIE_EXC_TXN
57 PCIE_EXC_TXP

100 PCIE_USB30_RXN
100 PCIE_USB30_RXP
100 PCIE_USB30_TXN
100 PCIE_USB30_TXP

50 PCIE_GBE_RXN
50 PCIE_GBE_RXP
50 PCIE_GBE_TXN
50 PCIE_GBE_TXP

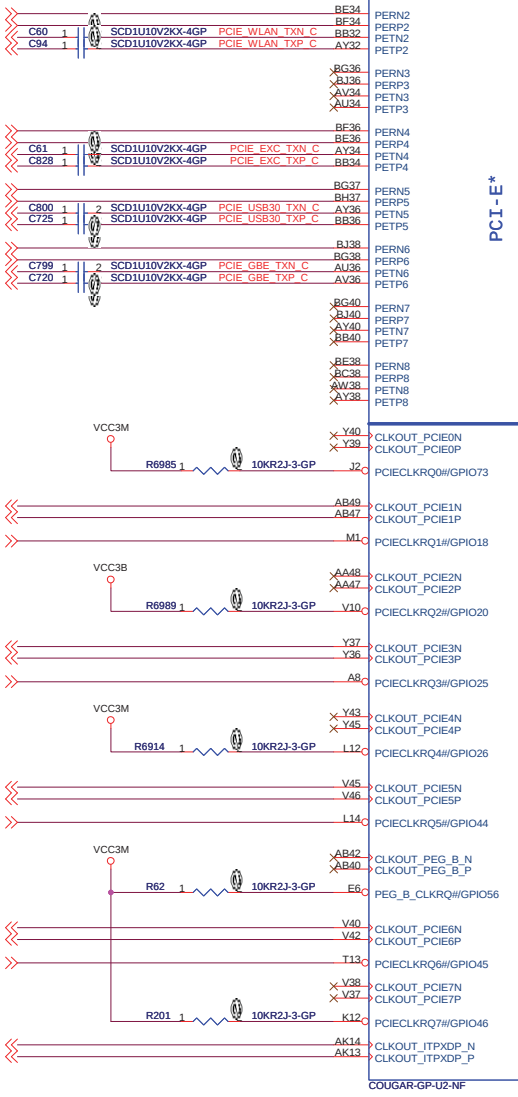
54 -PCIE_CLK_WLAN
54 PCIE_CLK_WLAN
54 -CLKREQ_WLAN

57 -PCIE_CLK_EXC
57 PCIE_CLK_EXC
57,102 -CLKREQ_EXC

50 -PCIE_CLK_GBE
50 PCIE_CLK_GBE
50,62 -CLKREQ_GBE

100 -PCIE_CLK_USB30
100 PCIE_CLK_USB30
100 -CLKREQ_USB30_TR

11 -XDP_CLK_100M
11 XDP_CLK_100M



Cougar Point

PCI-E*

CLOCKS

COUGAR-GP-U2-NF

SMBUS

Controller Link

FLEX CLOCKS

2 OF 18

PEG_A_CLKRQ#

CLKOUT_PEG_A_N

CLKOUT_PEG_A_P

CLKOUT_DM1_N

CLKOUT_DM1_P

CLKOUT_DP_N

CLKOUT_DP_P

CLKIN_DM1_N

CLKIN_DM1_P

CLKIN_GND1_N

CLKIN_GND1_P

CLKIN_DOT_96N

CLKIN_DOT_96P

CLKIN_SATA_N

CLKIN_SATA_P

REFCLK14IN

CLKIN_PCLOOPBACK

XTAL25_IN

XTAL25_OUT

XCLK_RCOMP

CLKOUT_FLEX0

CLKOUT_FLEX1

CLKOUT_FLEX2

CLKOUT_FLEX3

CLKOUT_FLEX4

CLKOUT_FLEX5

CLKOUT_FLEX6

CLKOUT_FLEX7

CLKOUT_FLEX8

CLKOUT_FLEX9

CLKOUT_FLEX10

CLKOUT_FLEX11

CLKOUT_FLEX12

CLKOUT_FLEX13

CLKOUT_FLEX14

CLKOUT_FLEX15

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CLKOUT_FLEX242

CLKOUT_FLEX243

CLKOUT_FLEX244

CLKOUT_FLEX245

CLKOUT_FLEX246

CLKOUT_FLEX247

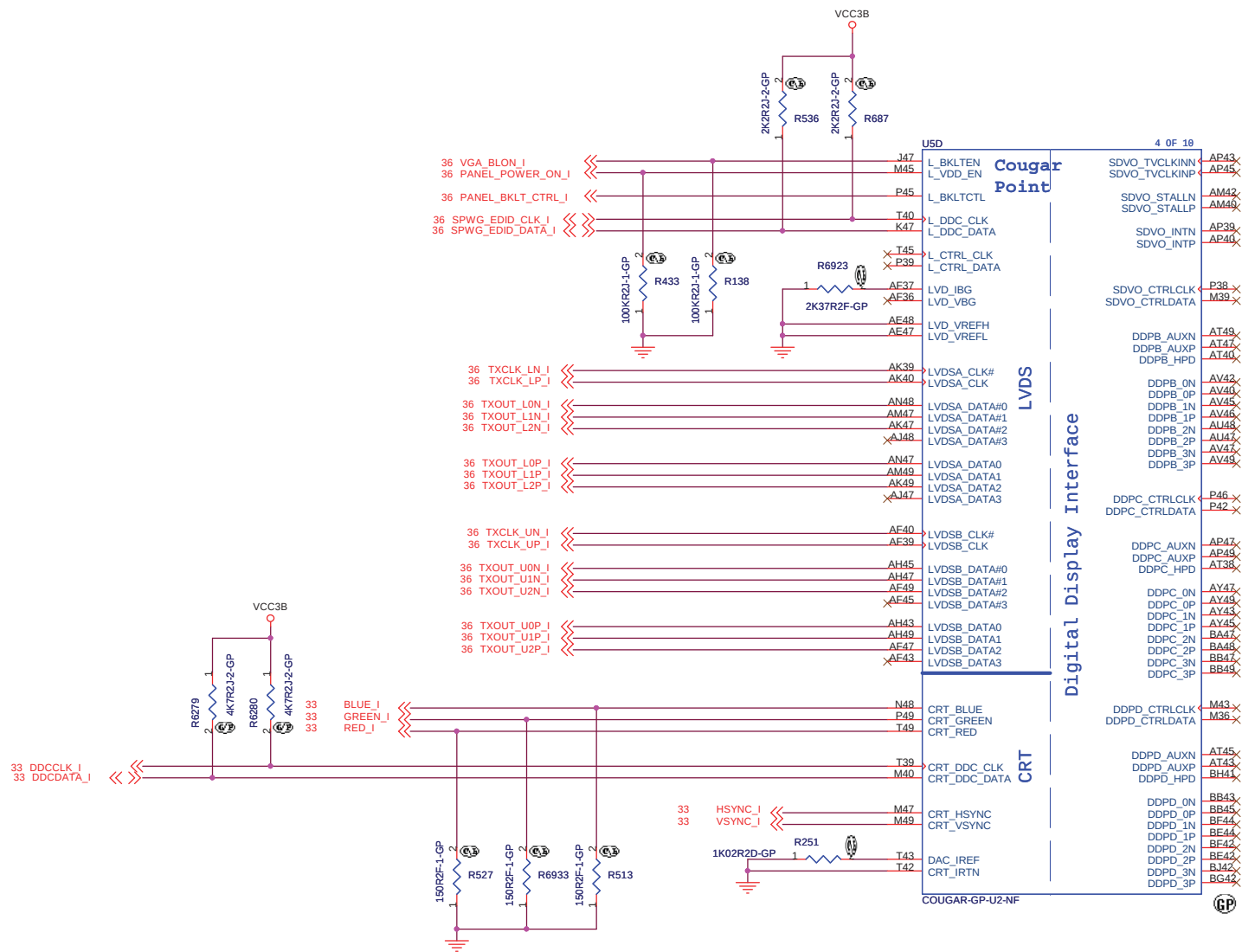
CLKOUT_FLEX248

CLKOUT_FLEX249

CLKOUT_FLEX250

CLKOUT_FLEX251

CLKOUT_FLEX252



TABLE

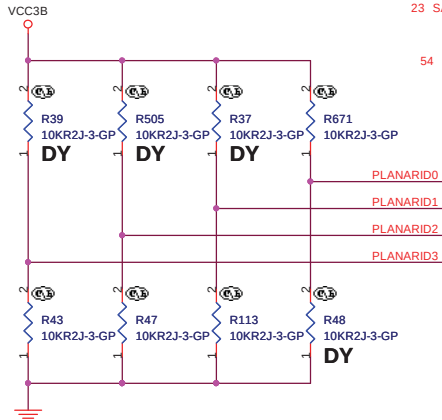
GPIO15: ME CRYPTO STRAP
HIGH: WITH CONFIDENTIALITY
LOW: NO CONFIDENTIALITY

TABLE

GPIO8: INTEGRATED
HIGH: DISABLED(BTM)
LOW: ENABLED(FCIM)

TABLE

DGFX_VRAM_ID
HIGH: 1GB
LOW: 2GB

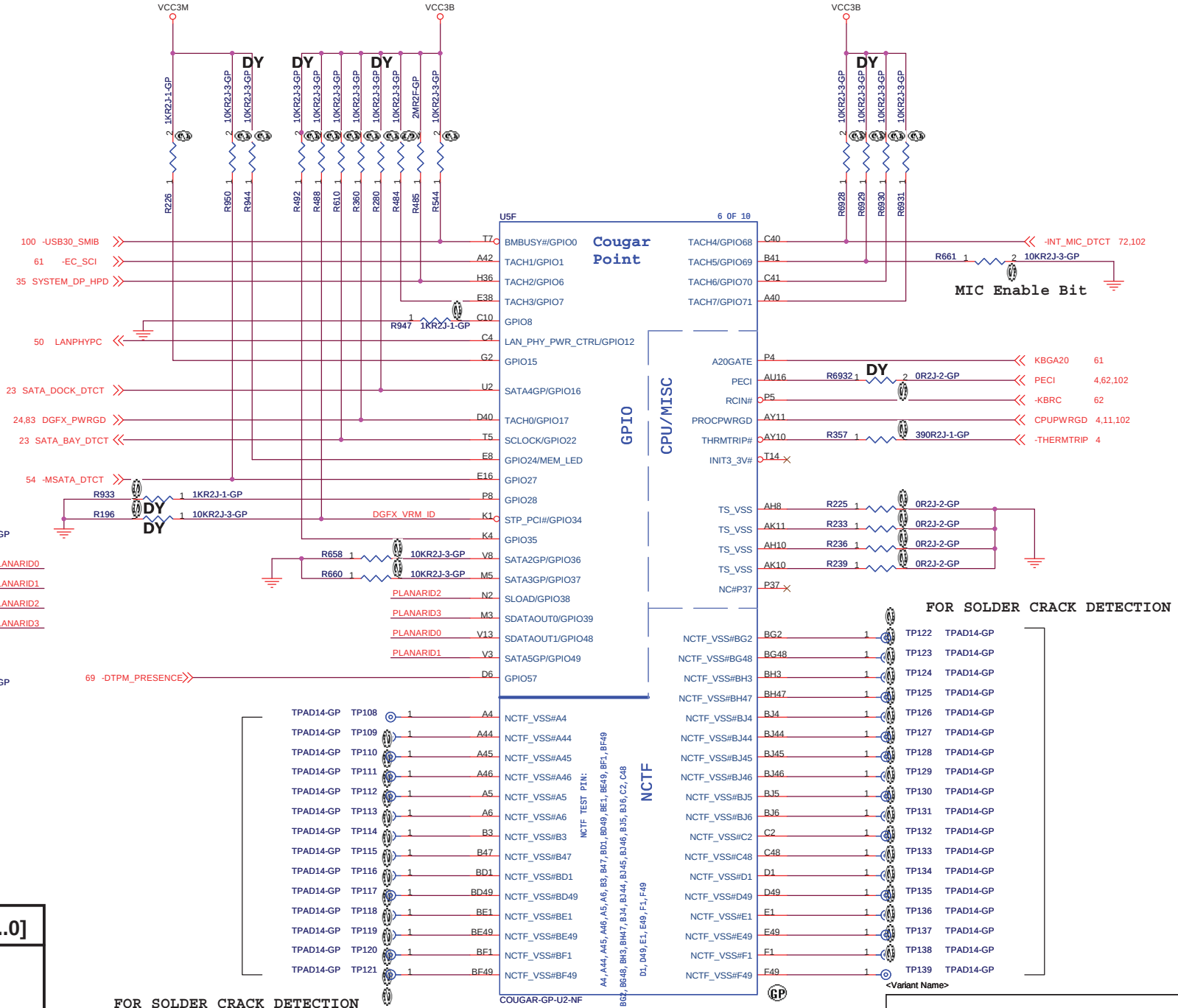


TABLE

LEVEL	PLANAR ID			
	3	2	1	0
1	R39	R505	R37	R671
0	R43	R47	R113	R48

LEVEL PLANARID[3..0]

PDV 0000B
FVT 0001B



FOR SOLDER CRACK DETECTION

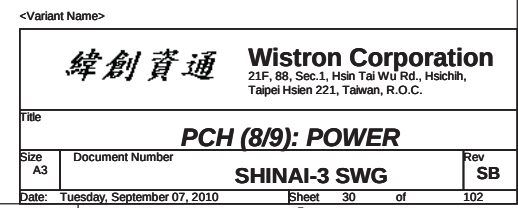
緯創資通

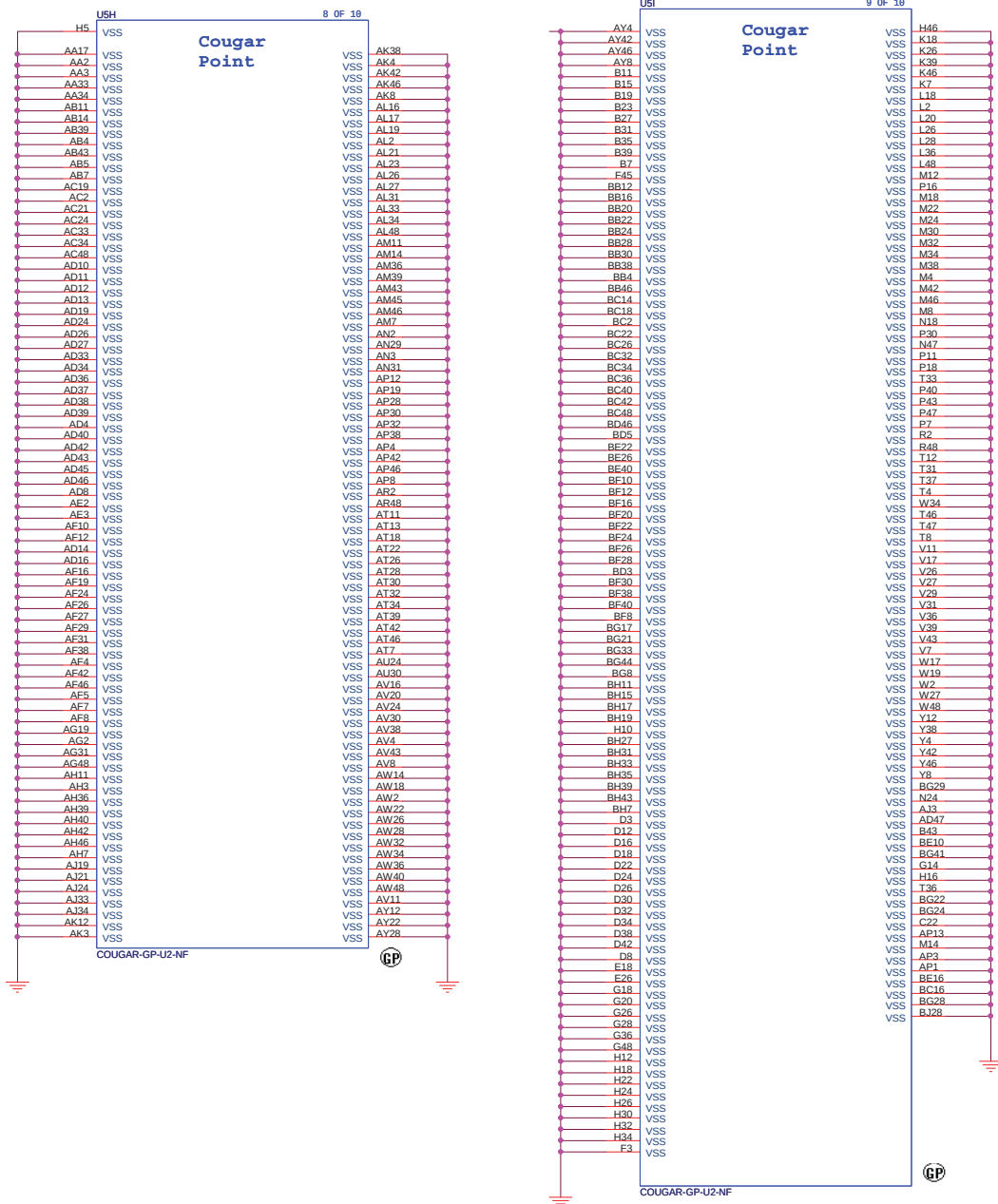
Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title PCH (6/9):GPIO/NCTF/RSVD

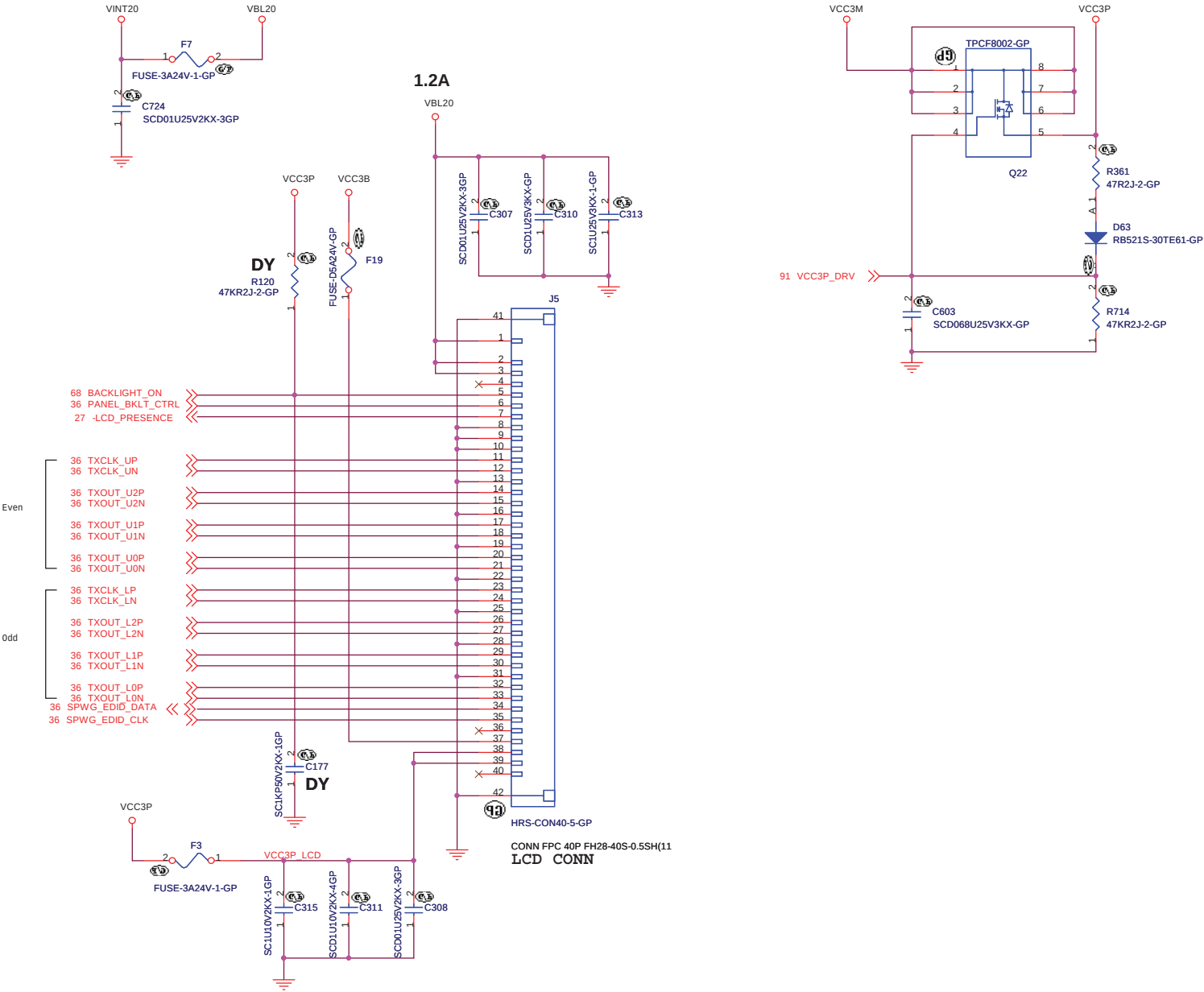
Size A3 Document Number SHINAI-3 SWG Rev SB

Date: Tuesday, September 07, 2010 Sheet 28 of 102



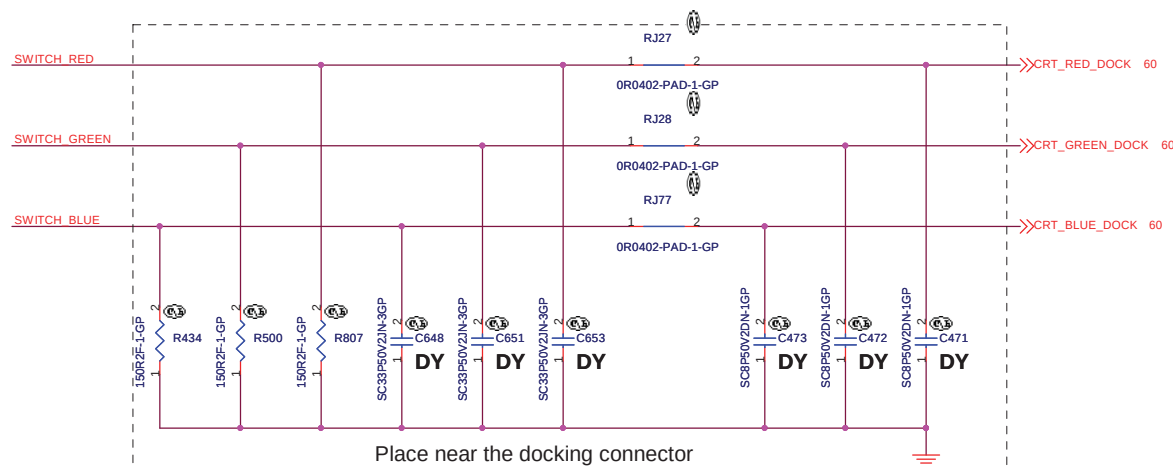
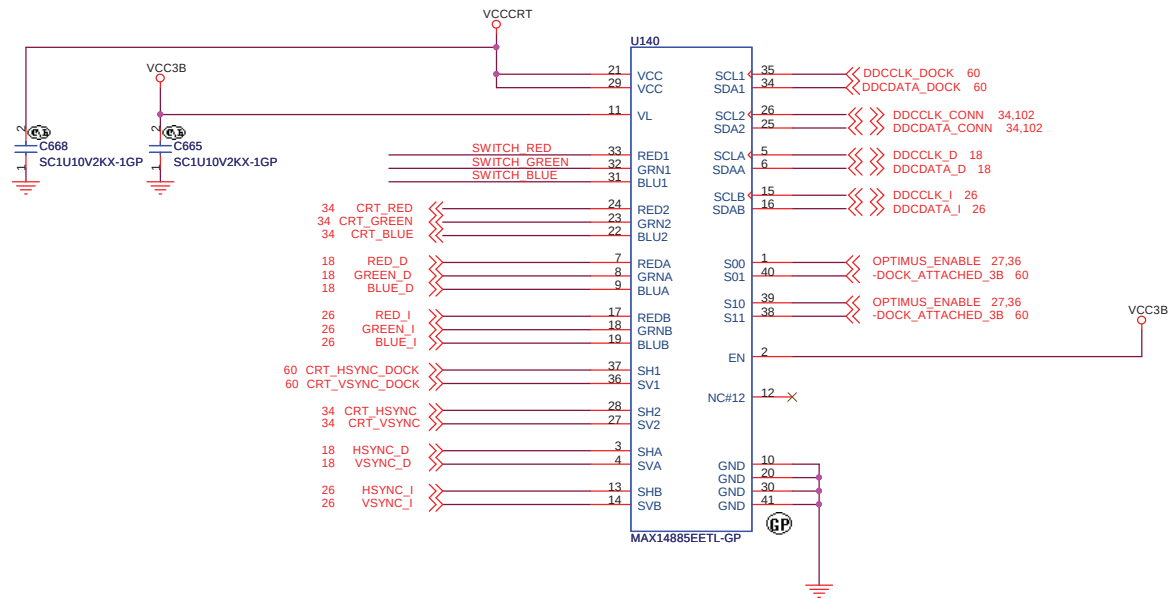


LCD / Inverter Connector



<Variant Name>

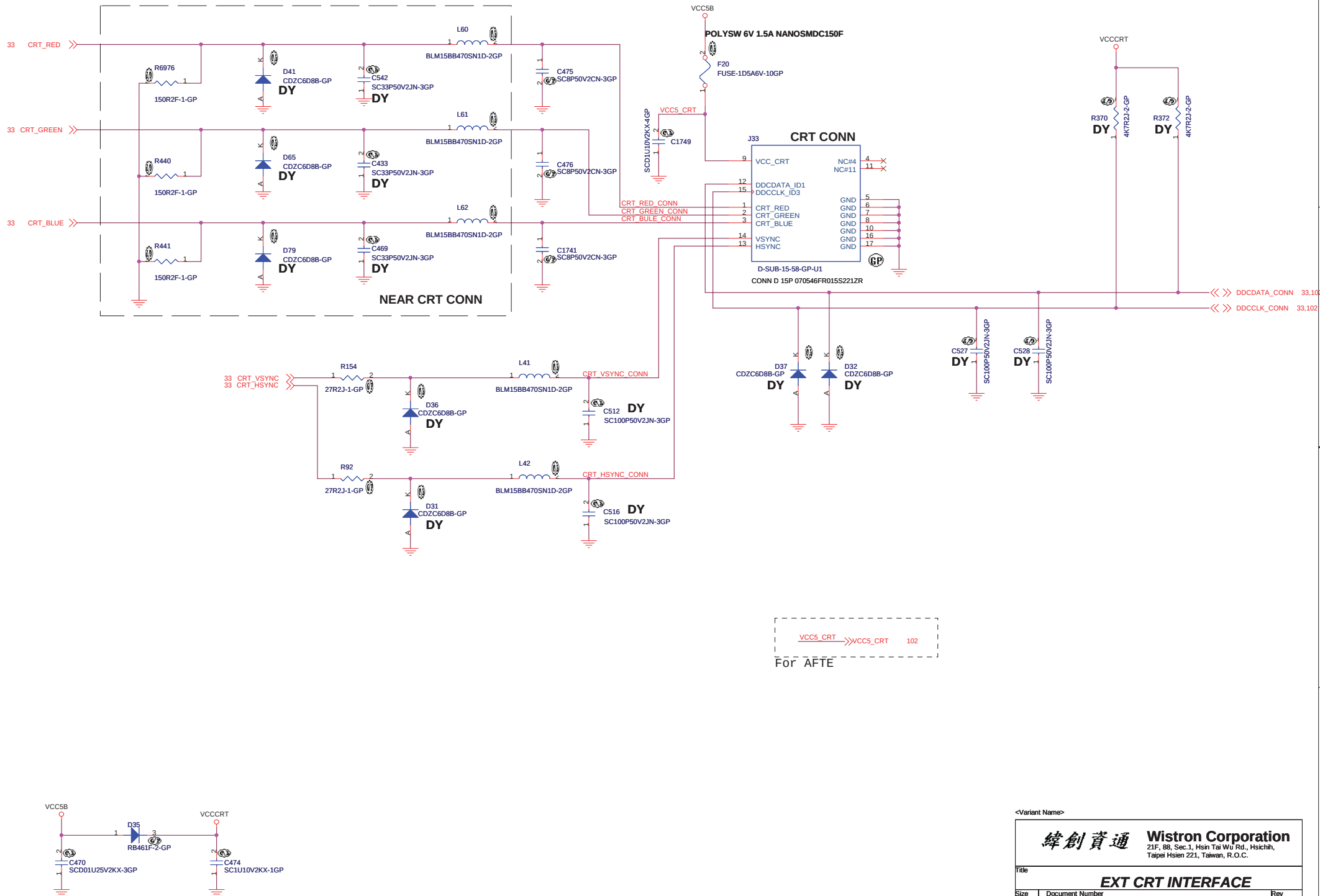
Title		
LCD CONNECTOR		
Size	Document Number	Rev
A3	SHINAI-3 SWG	SB
Date: Tuesday, September 07, 2010		
Sheet 32 of 102		

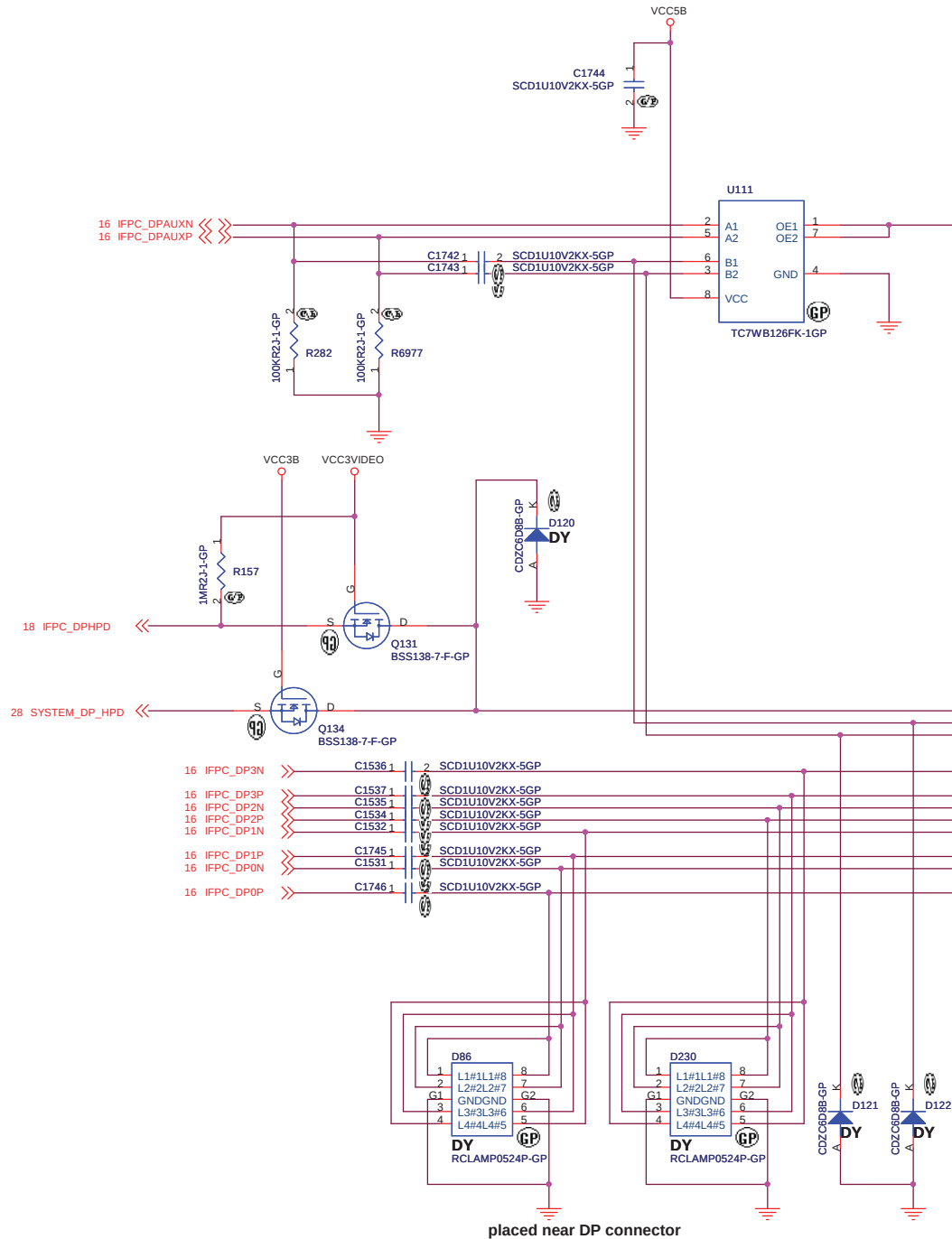


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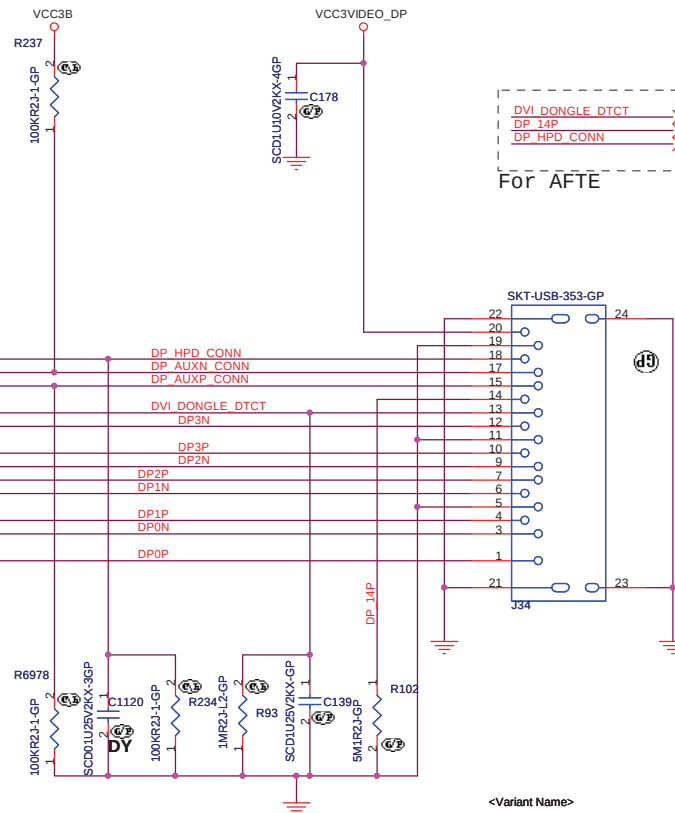
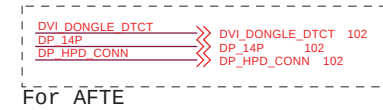
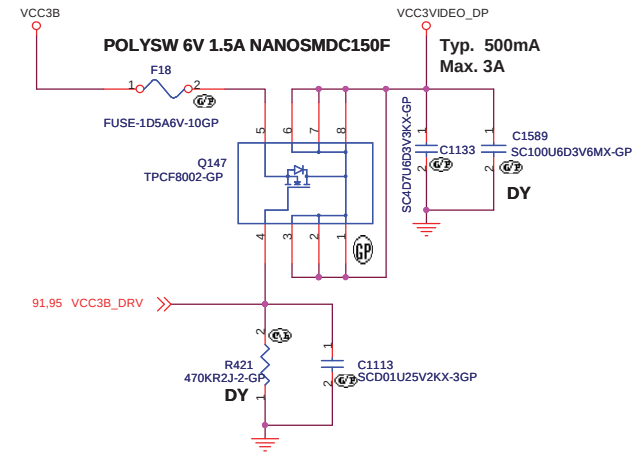
緯創資通 **Wistron Corporation**
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title			RGB SWITCH	
Size	Document Number	SHINAI-3 SWG		Rev
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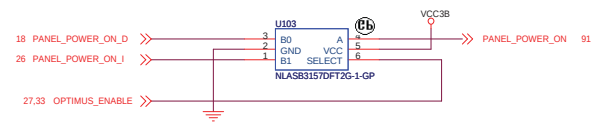
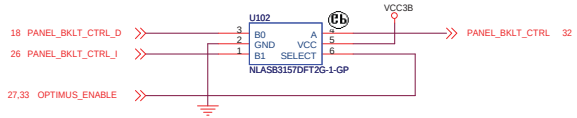
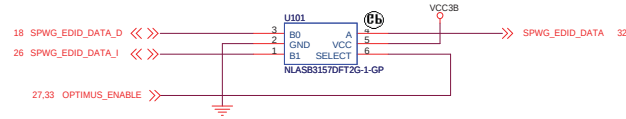
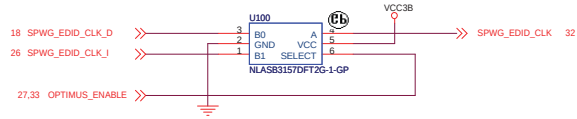
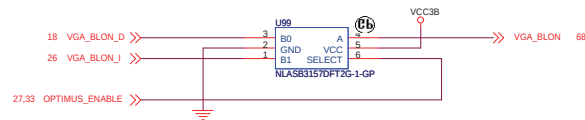
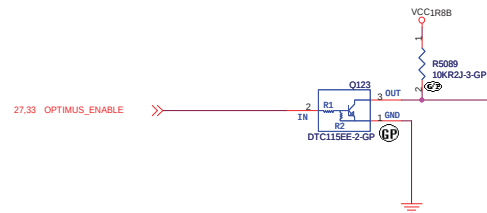
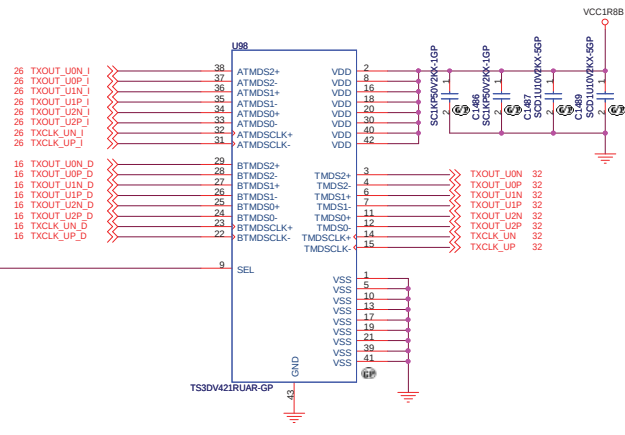
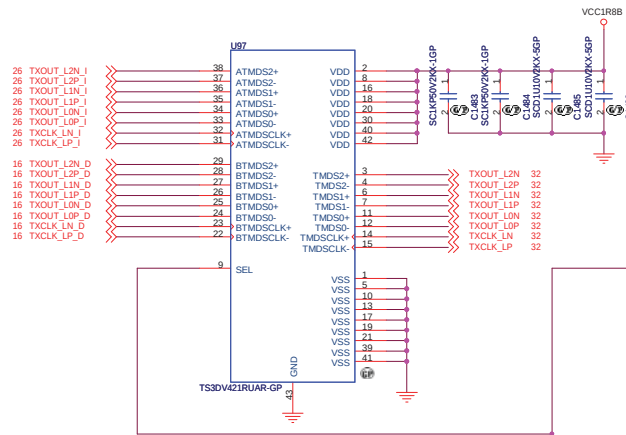




To prevent leakage current from DP monitor

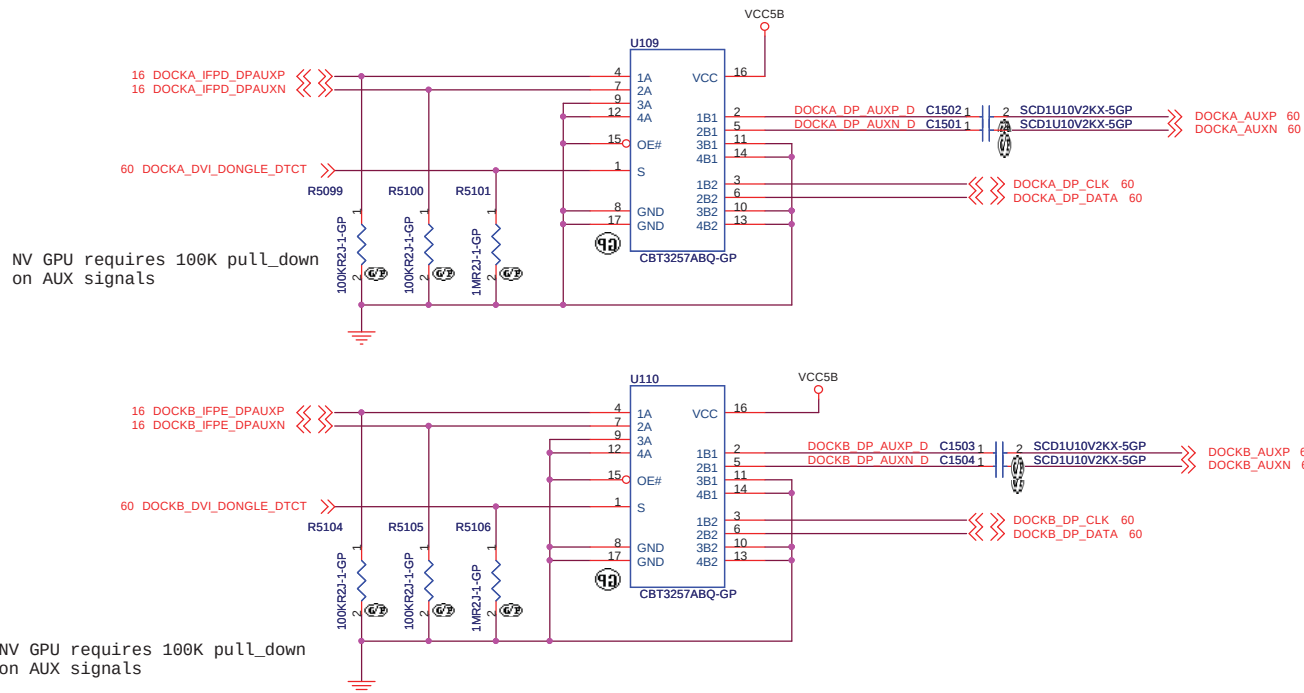
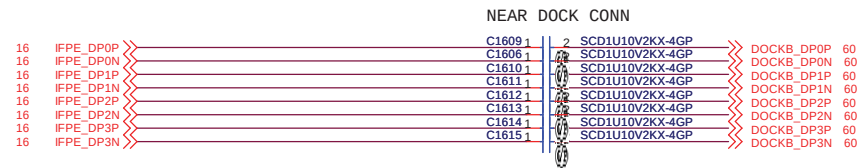
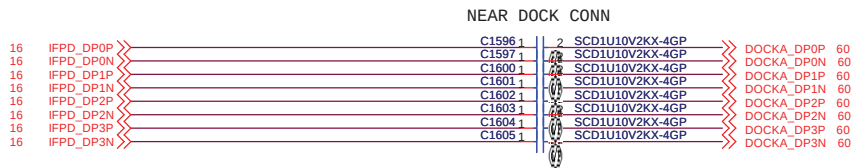


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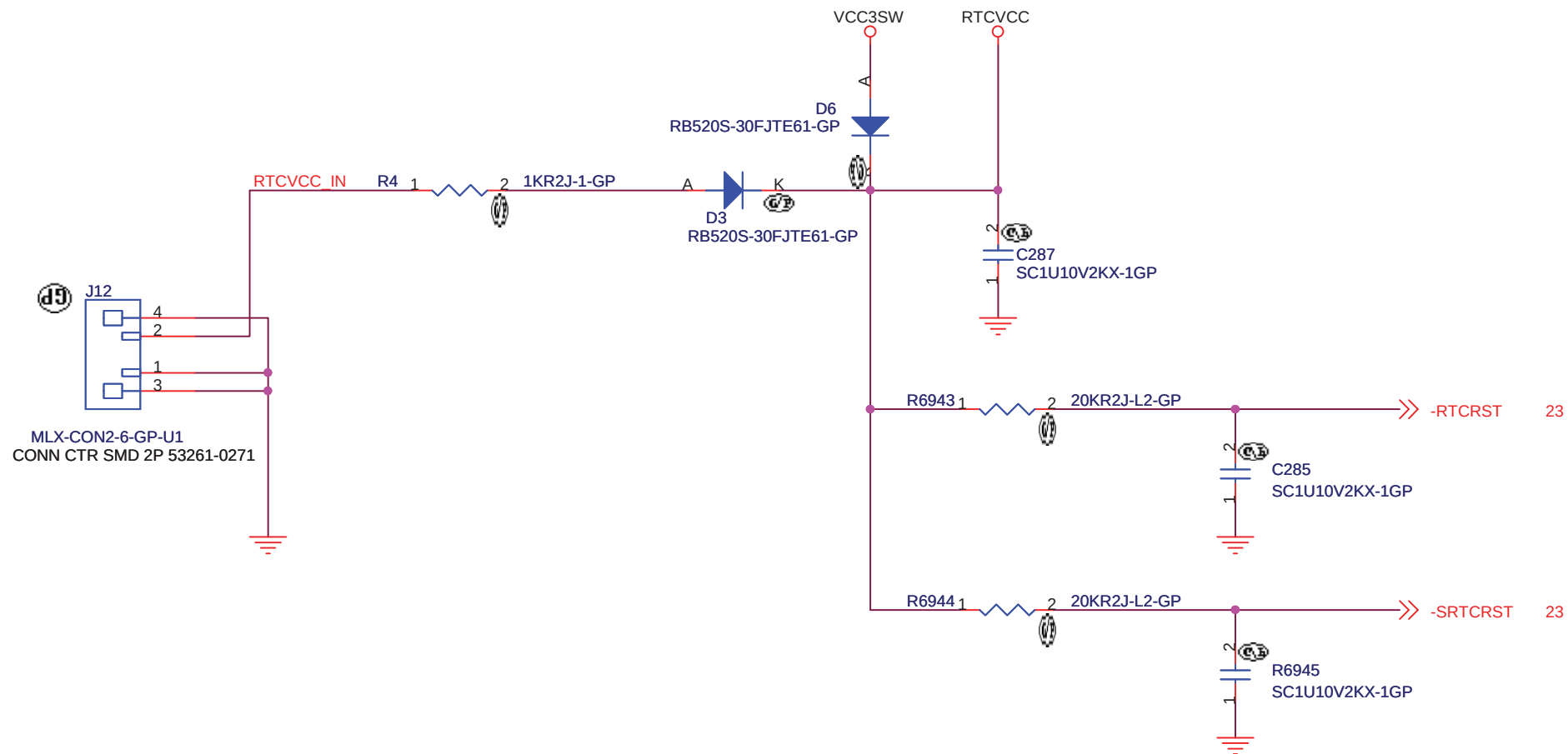
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緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.



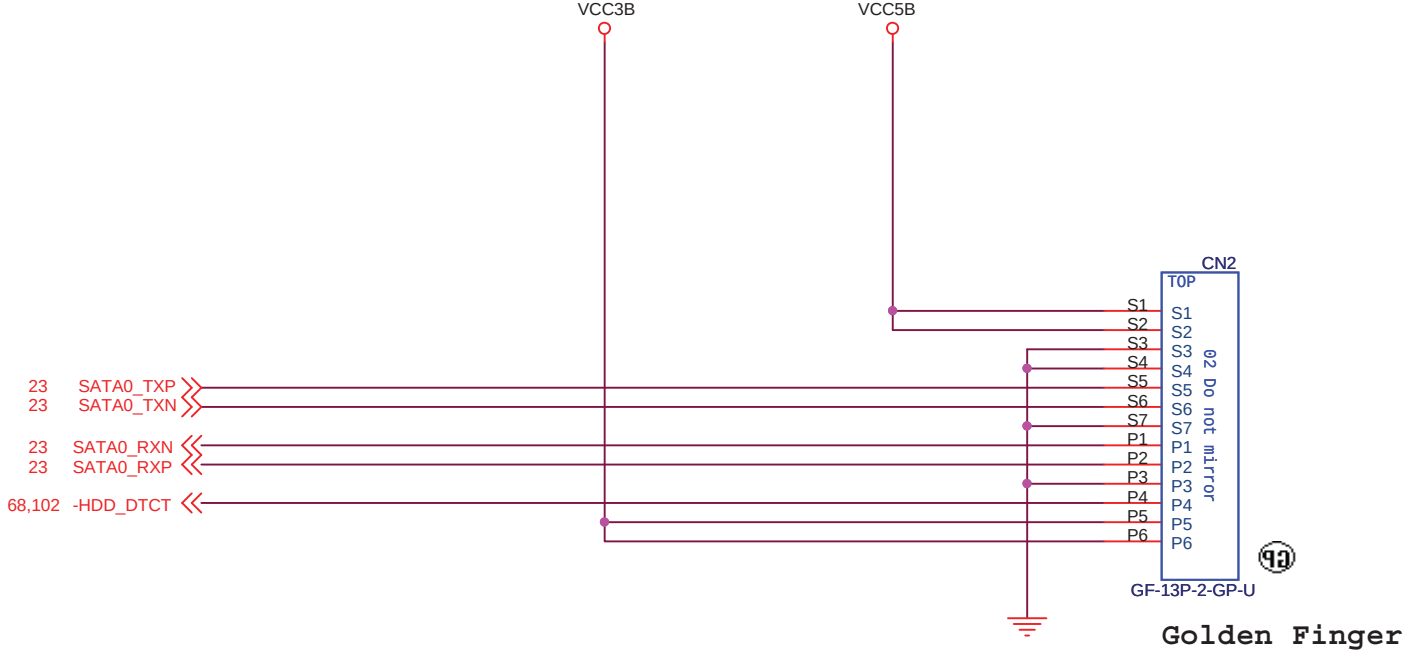
	Vendor P/N	WISTRON P/N
NXP	CBT3257ABQ-GP	45K0213AA
ONSEMI	74FST3257MNTWG-GP	45K0213BA

INPUTS		INPUT/OUTPUT	FUNCTION
OE#	S	A	
L	L	B1	A port = B1 port
L	H	B2	A port = B2 port
H	X	Z	Disconnect



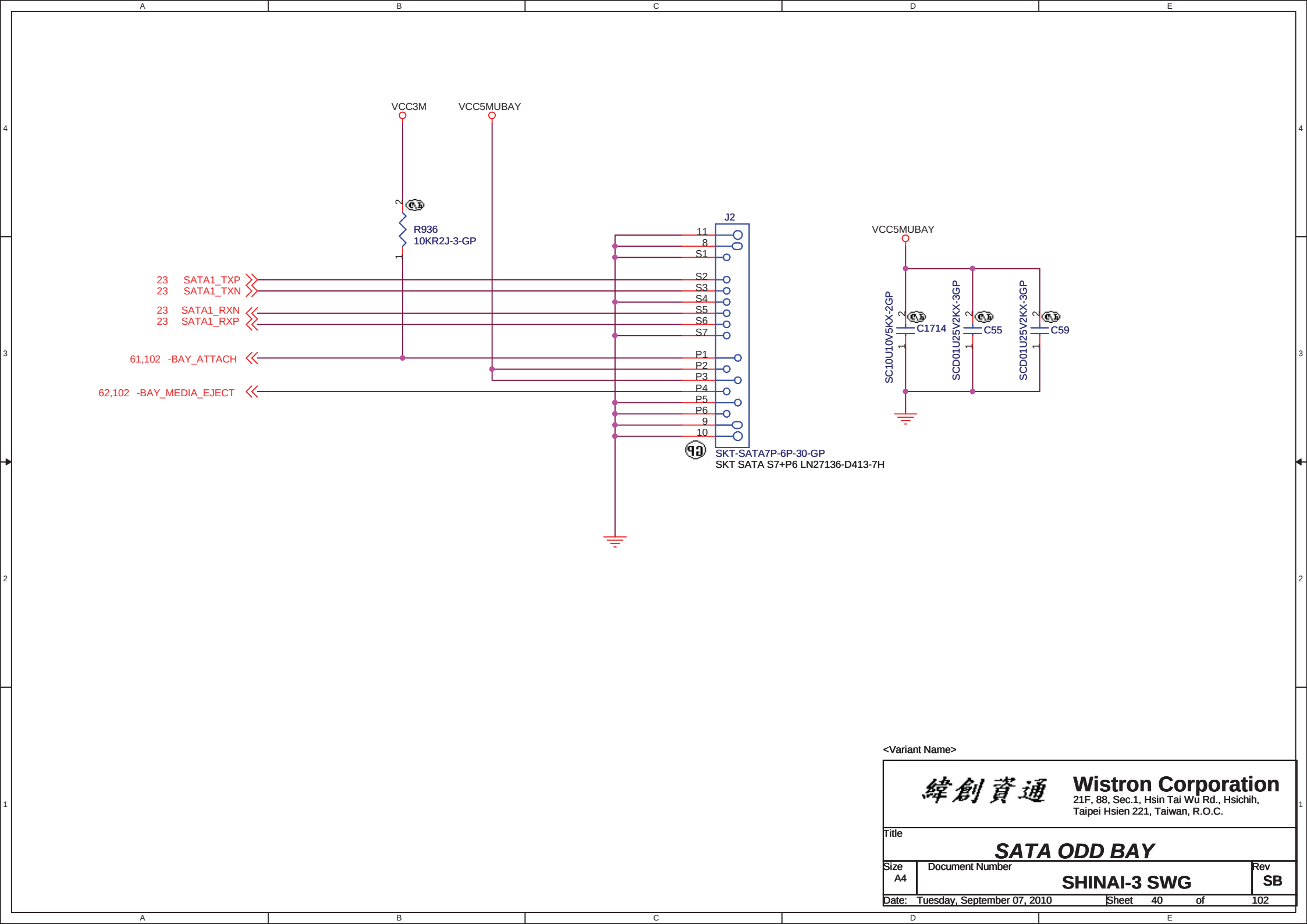
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緯創資通 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title	
RTC BATTERY	
Size A	Document Number
	SHINAI-3 SWG
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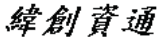
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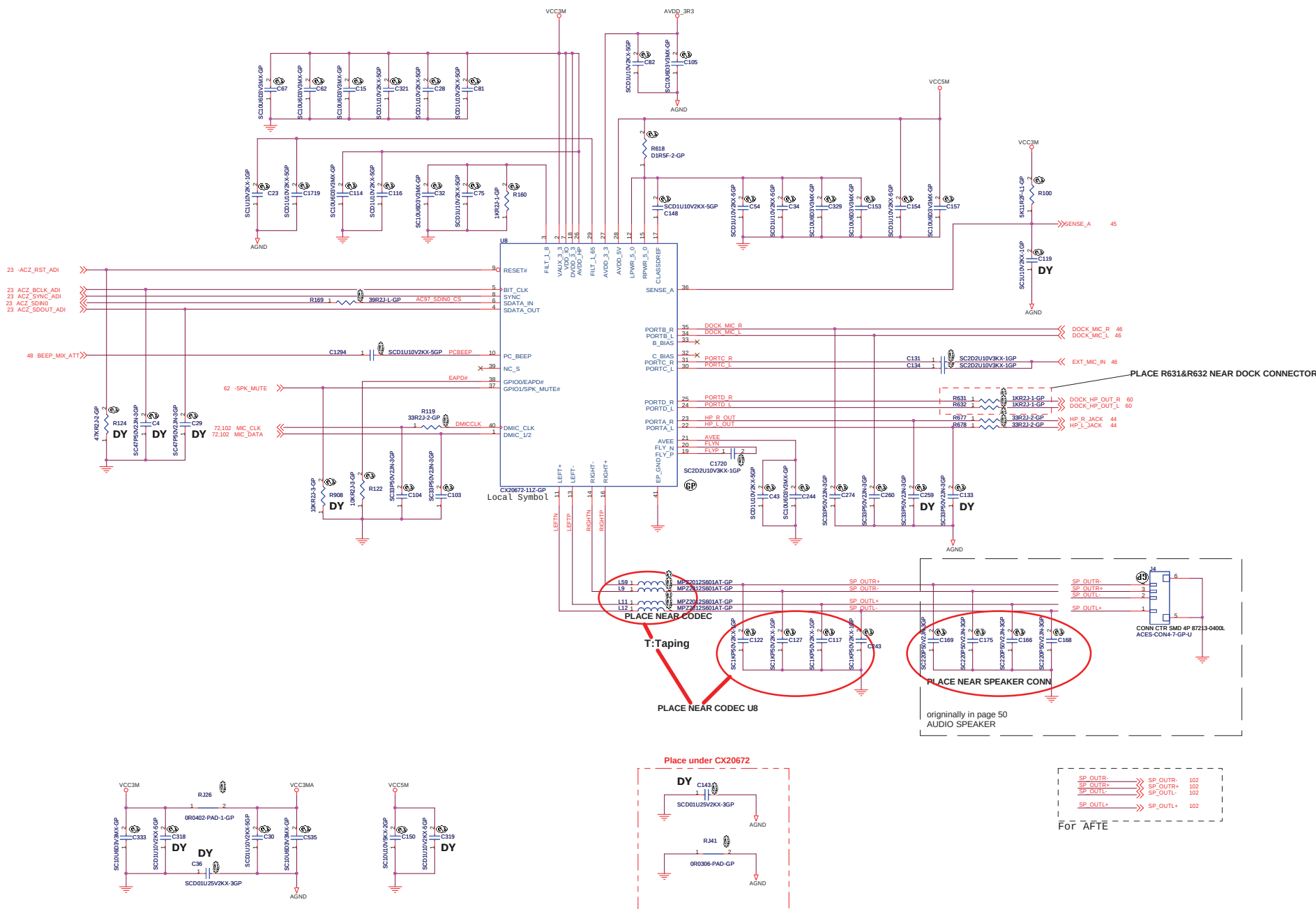
		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title SATA HDD CONN			
Size A4	Document Number SHINAI-3 SWG		Rev SB
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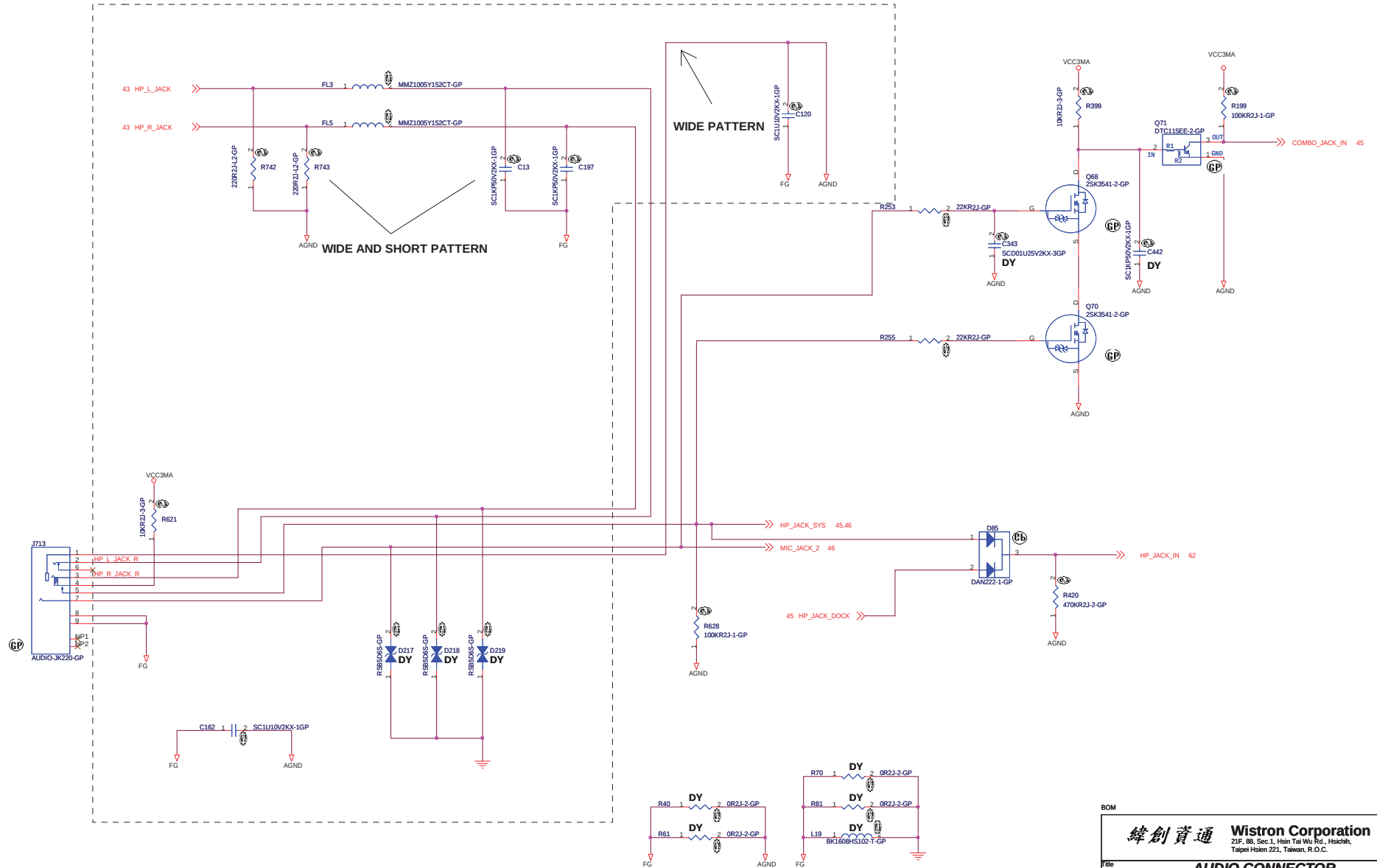
ESATA + USB CONN is not used on SN3

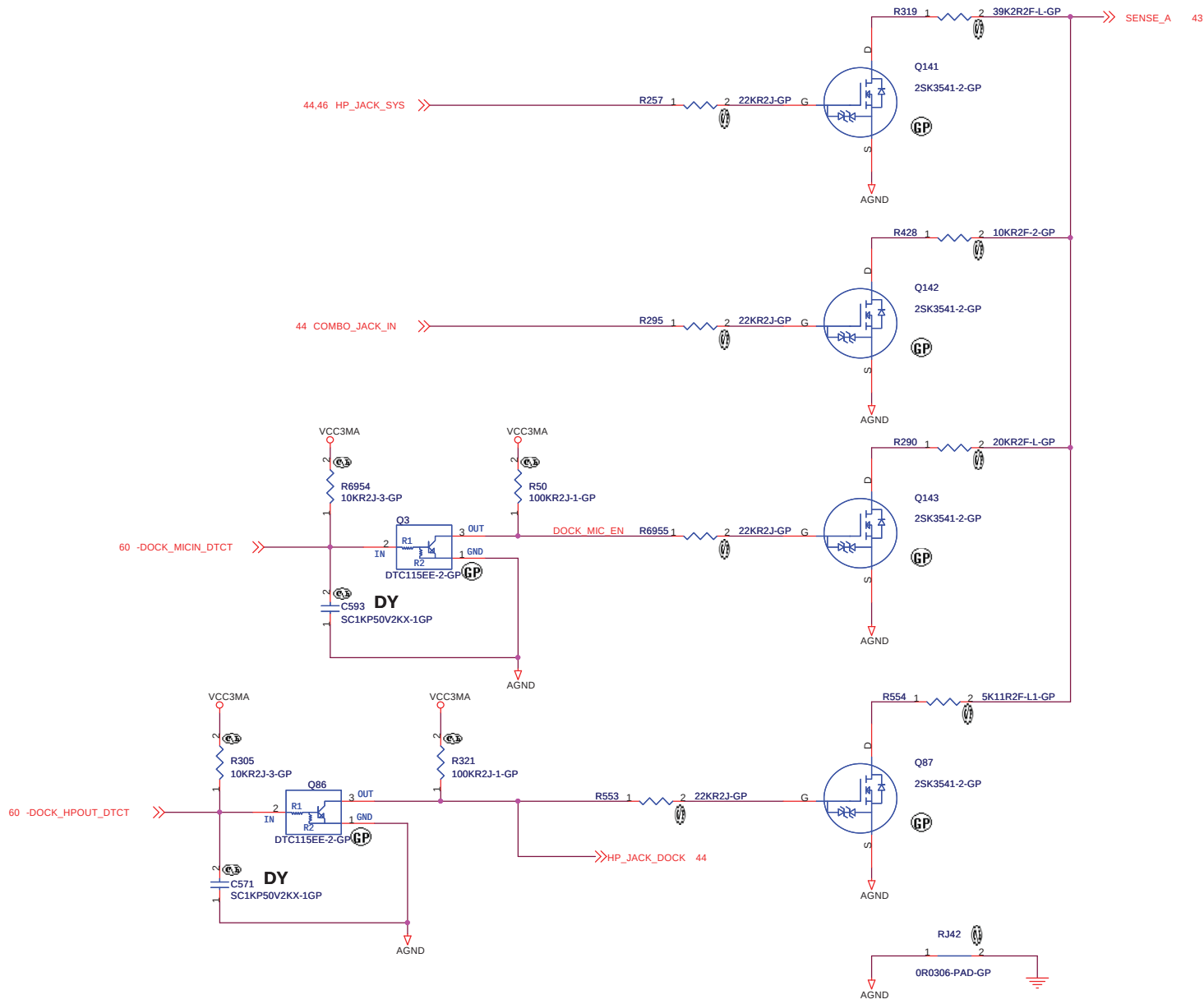
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		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
ESATA CONNECTOR			
Size A3	Document Number		Rev SB
Date: Tuesday, September 07, 2010		Sheet 41 of	102



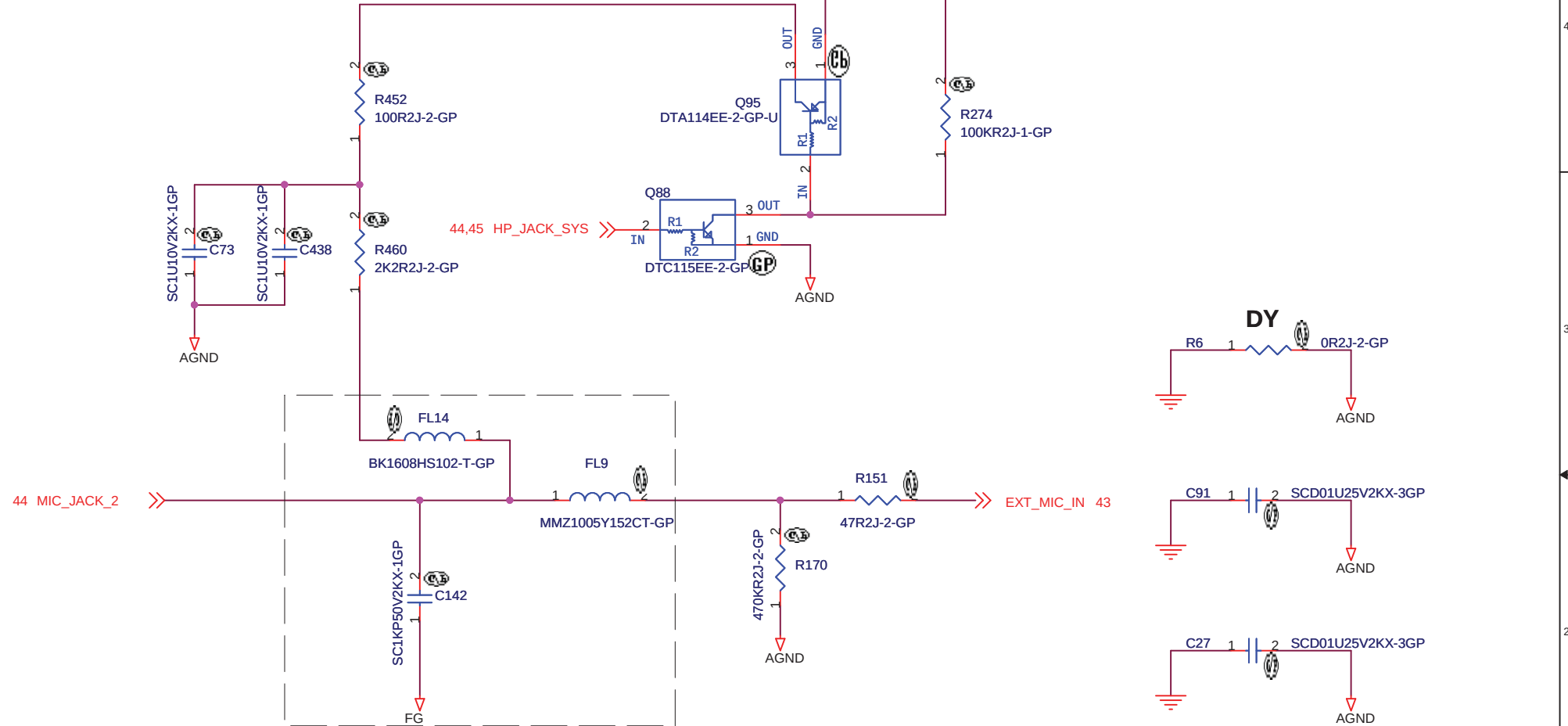
NEAR HEADPHONE CONN





BOM

緯創資通		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
AUDIO JACK SENSE			
Size A3	Document Number	SHINAI-3 SWG	Rev SB
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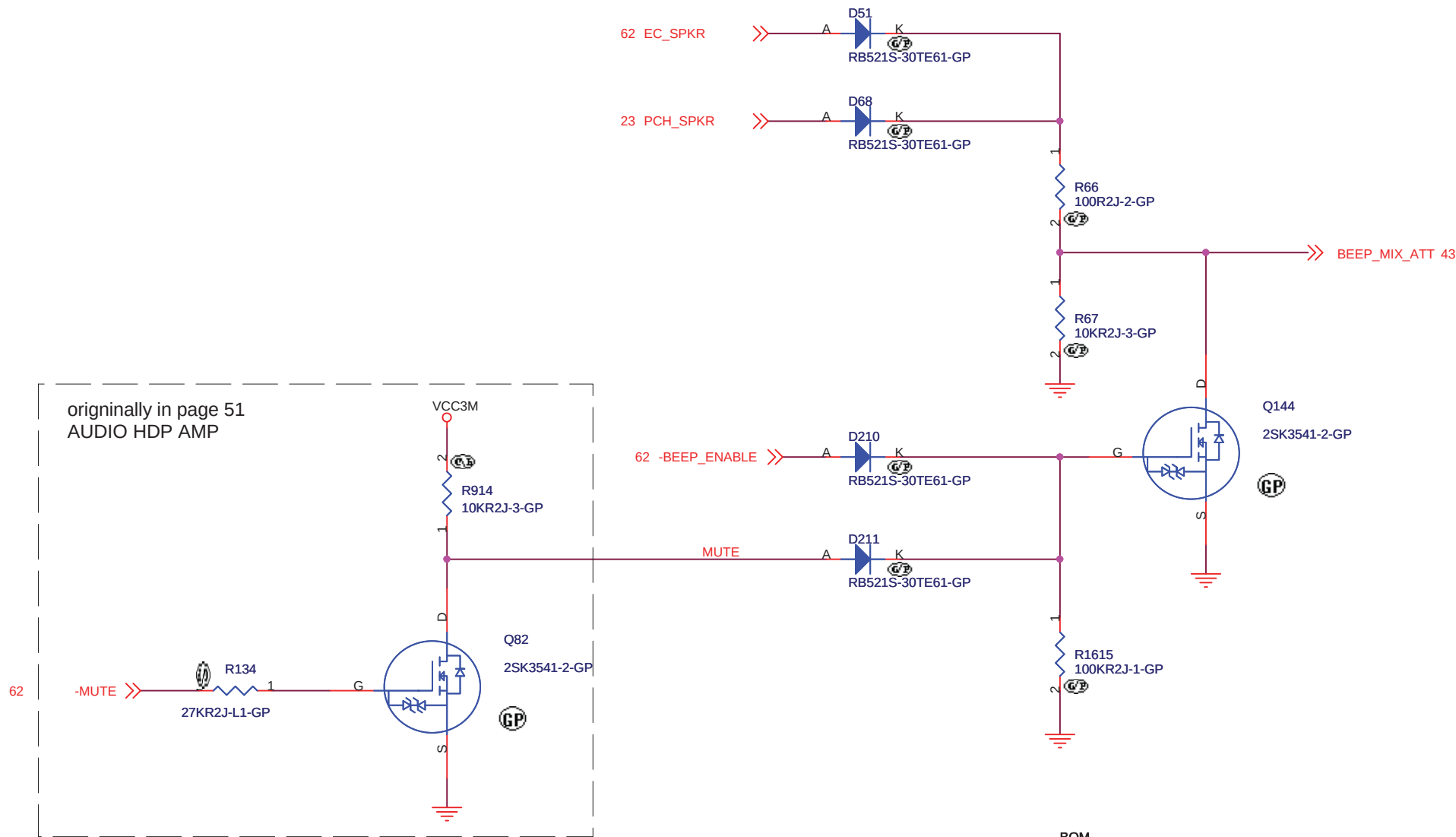
BOM

緯創資通 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.		
Title AUDIO EXT MIC I/F		
Size A4	Document Number	Rev SB
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AUDIO SPEAKER
MOVE TO CODEC PAGE

<Variant Name>

緯創資通		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
BLANK			
Size	Document Number		Rev
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BOM

緯創資通

Wistron Corporation

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

Title

AUDIO BEEP

Size

A4

Document Number

SHINAI-3 SWG

Rev

SB

Date: Tuesday, September 07, 2010

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D

C

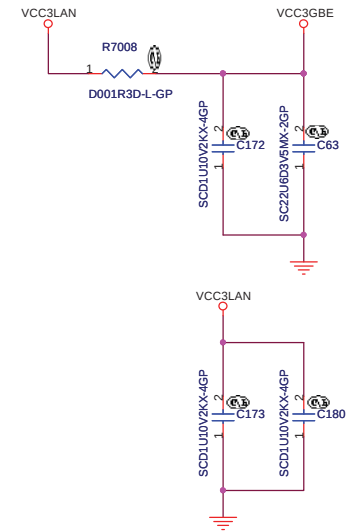
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A

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<Variant Name>

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Title					
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Size	Document Number		Rev		
A4	SHINAI-3 SWG		SB		
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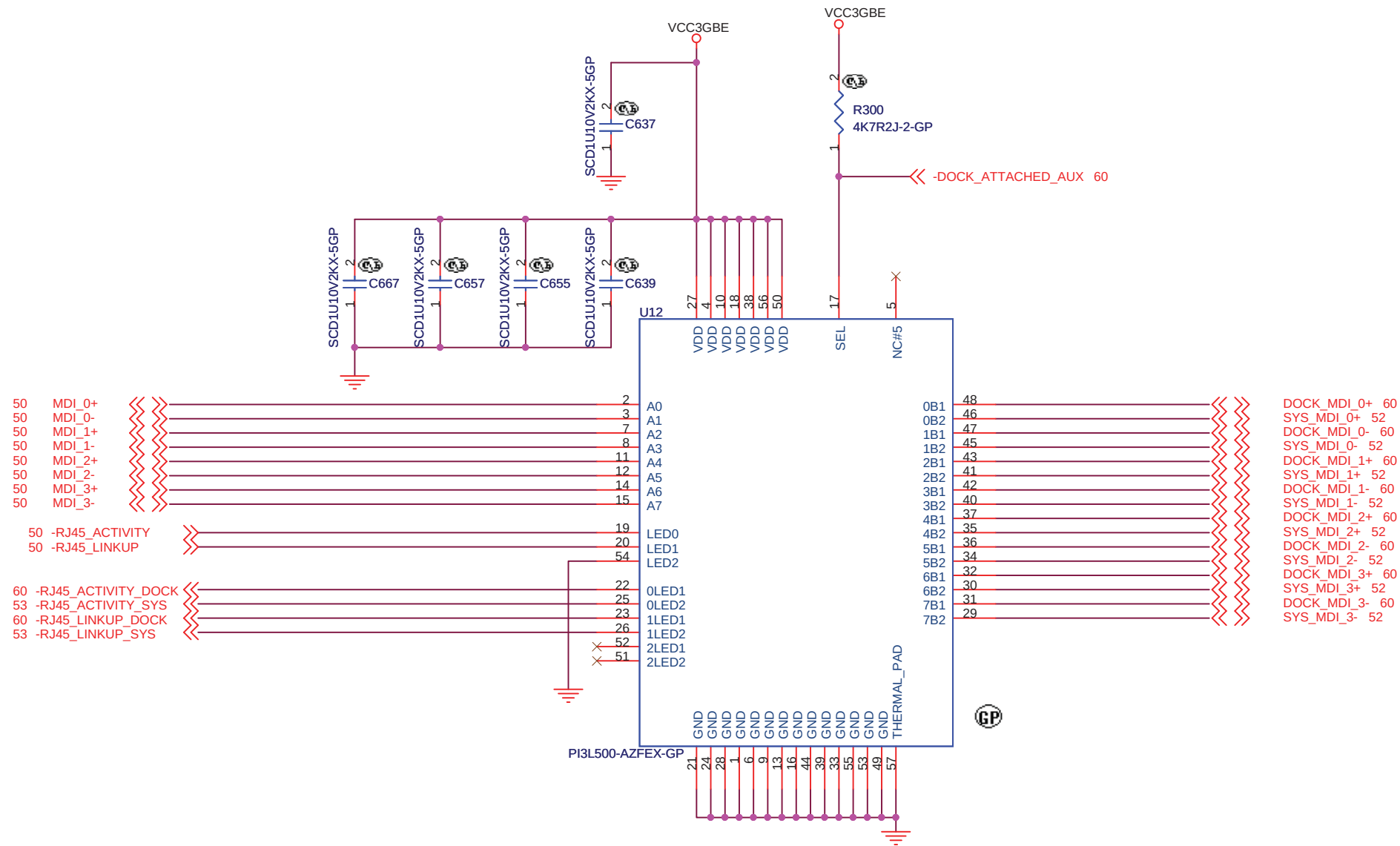


↑
LOGIC

U13			
8	CLK_REQ#	PCIE	MDI_PLUS0
0	PE_RST#		MDI_MINUS0
4	PE_CLKP		MDI_PLUS1
5	PE_CLKN		MDI_MINUS1
8	PETP	MDI	MDI_PLUS2
9	PETN		MDI_MINUS2
1	PERP		MDI_PLUS3
2	PERN		MDI_MINUS3
8	SMB_CLK	SMBUS	RSVD_NC#6
1	SMB_DATA		RSVD_VCC3P3
3	LAN_DISABLE#		RSVD_VCC3P3
			VDD3P3_IN
			VDD3P3_OUT
6	LED0	LED	VDD3P3
7	LED1		VDD3P3
5	LED2		VDD3P3
2	JTAG_TDI	JTAG	VDD1P0
4	JTAG_TDO		VDD1P0
3	JTAG_TMS		VDD1P0
5	JTAG_TCK		VDD1P0
9	XTAL_OUT		VDD1P0
0	XTAL_IN		VDD1P0
0	TEST_EN		VDD1P0
2	RBIAS		CTRL_1P0
			VSS_EPAD

1.0V POWER OPTIONS

	L18	R918
SHARED WITH PCH VCC1R05LAN SVR	NO ASM	ASM
ISVR	ASM	NO ASM



[Source Cadicate]			
1st	Pericom	PI3L500-AZFEX	41R0539AA
2nd	TI	TS3L500AERHUR	41R0539BA

<Variant Name>

緯創資通

Wistron Corporation

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

Title

GBE LAN SW

Size A4

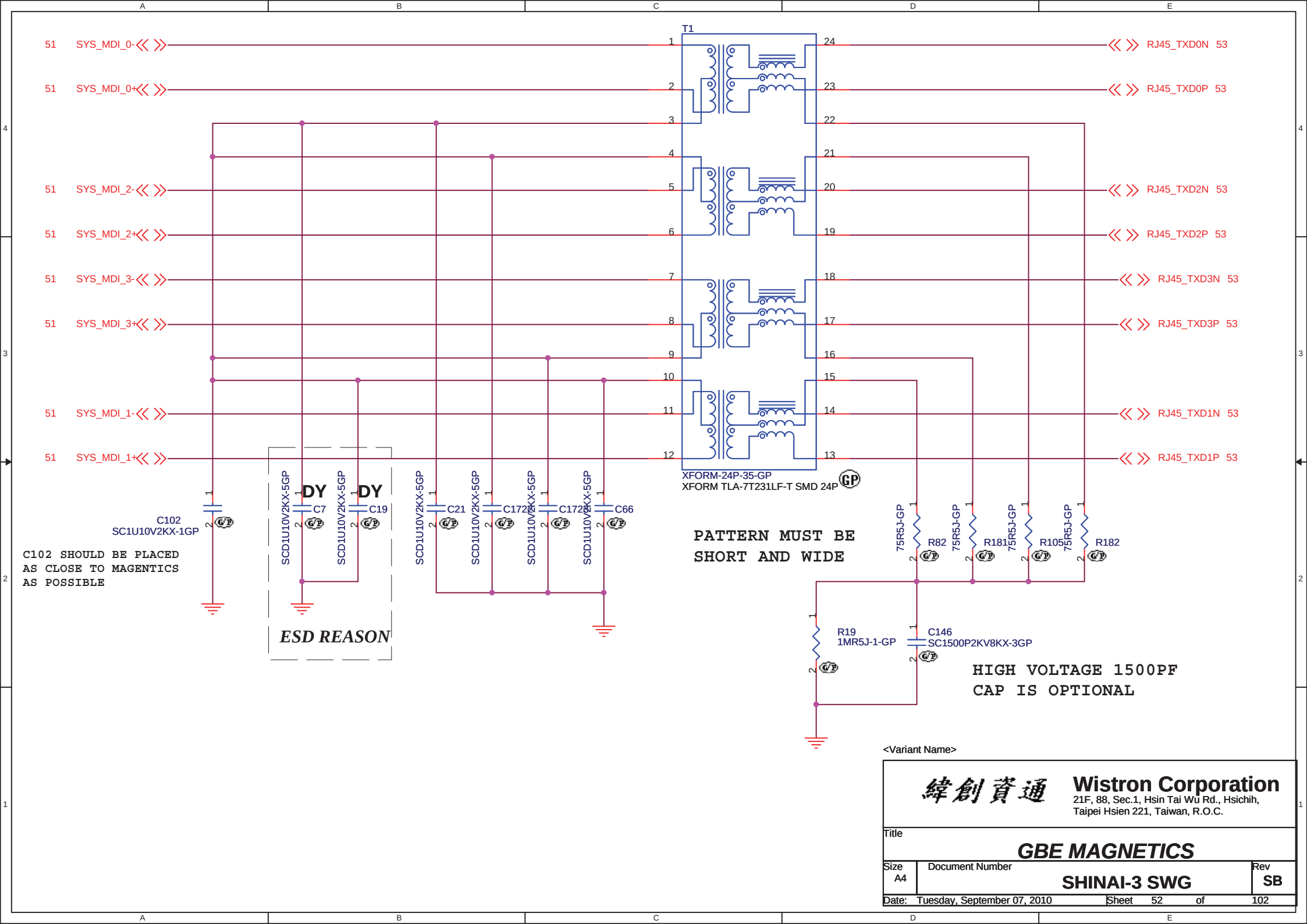
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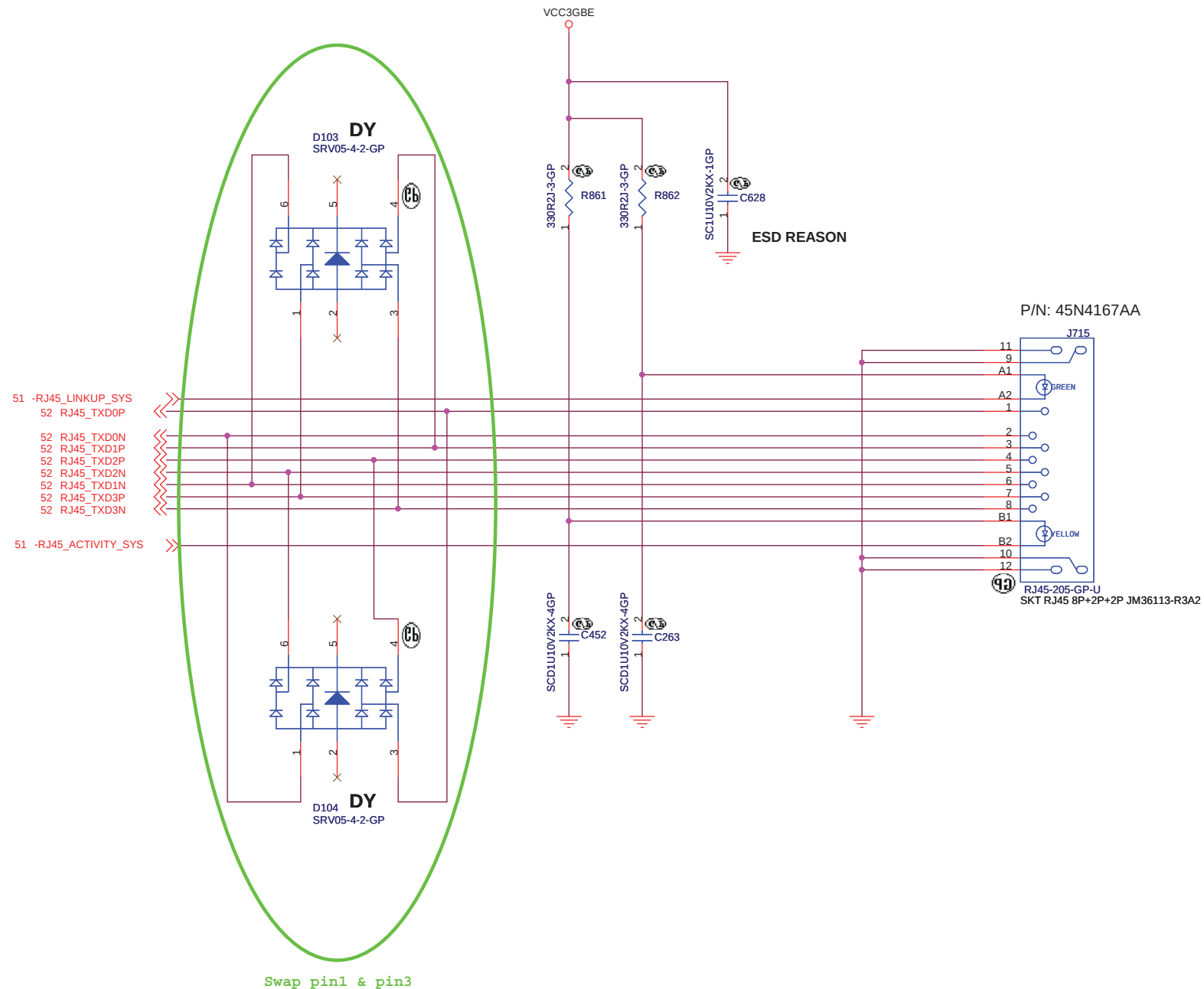
SHINAI-3 SWG

Date: Tuesday, September 07, 2010

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Rev SB

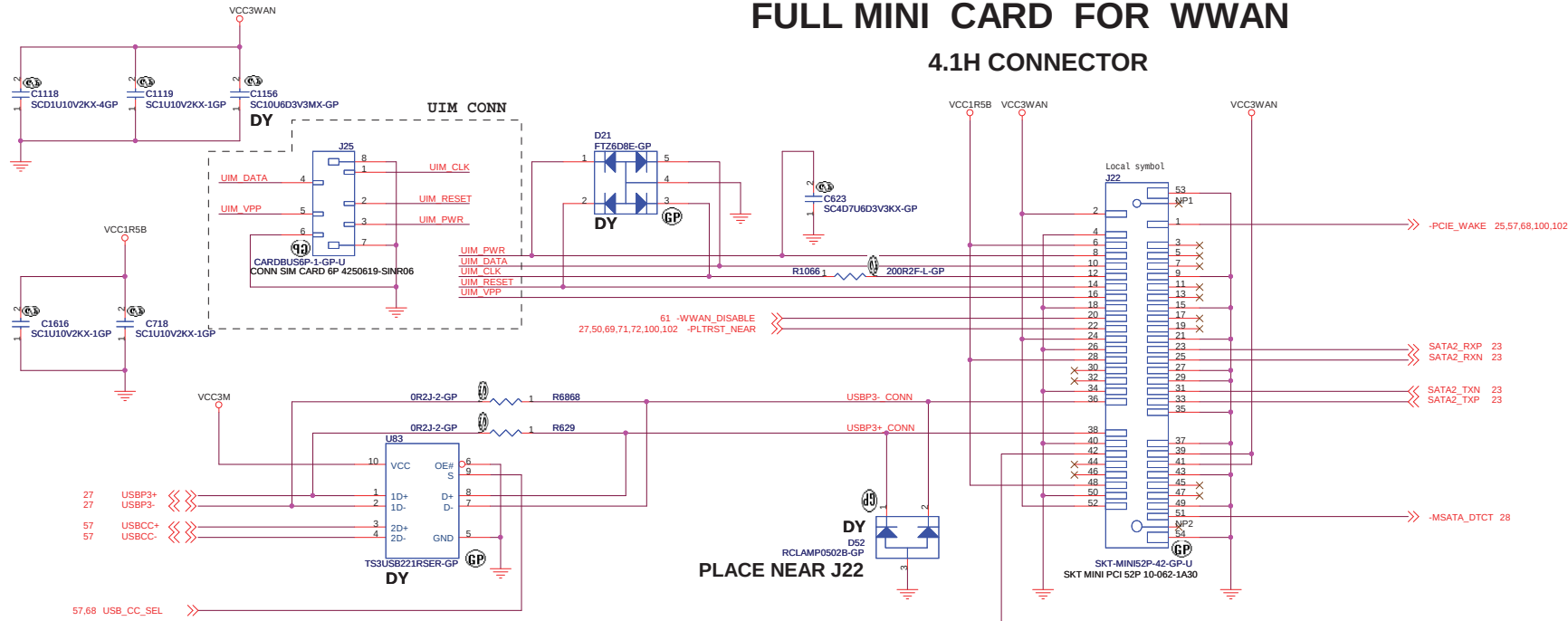




緯創資通 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title	
RJ45 CONN	
Size A4	Document Number
SHINAI-3 SWG	
Date: Tuesday, September 07, 2010	Rev SB
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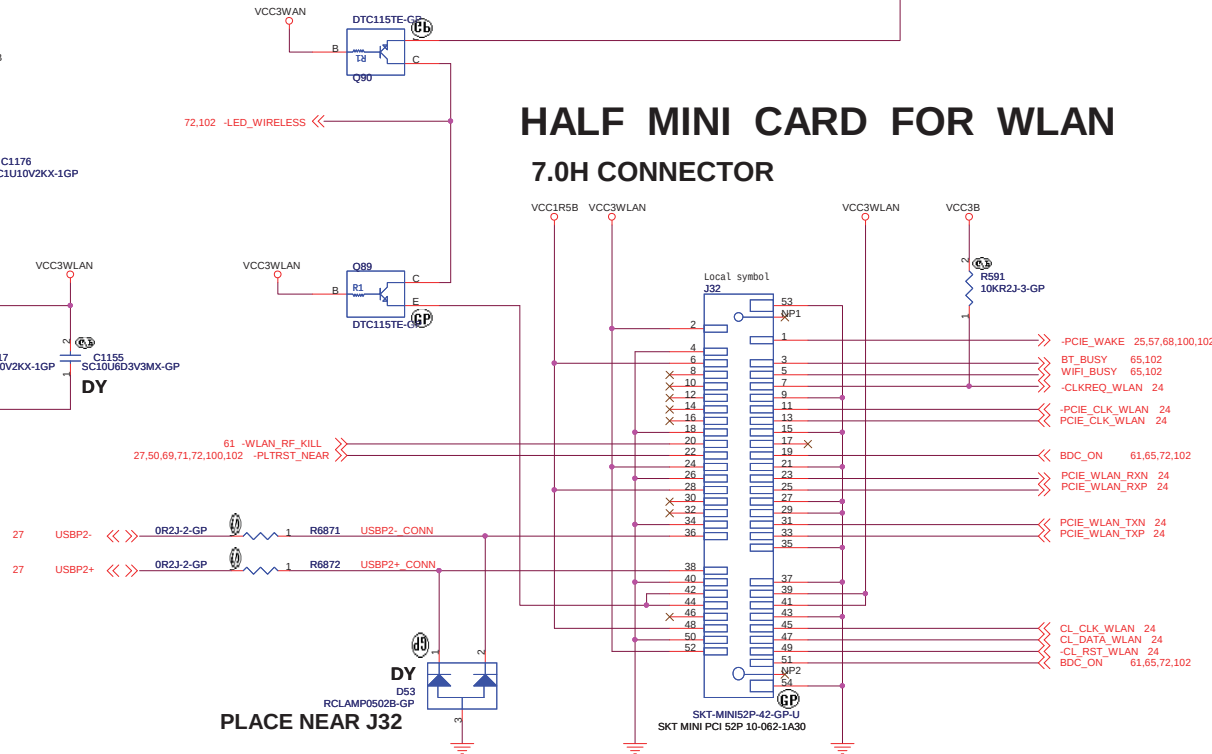
FULL MINI CARD FOR WWAN

4.1H CONNECTOR



HALF MINI CARD FOR WLAN

7.0H CONNECTOR



TABLE

WWAN CONSTANT CONNECT	W/WWAN VER.2	W/WWAN VER.1/NO	W/O WWAN NO
J22	ASM	ASM	NO_ASM
J25	ASM	ASM	NO_ASM
C1118	ASM	ASM	NO_ASM
C1119	ASM	ASM	NO_ASM
R1066	ASM	ASM	NO_ASM
C623	ASM	ASM	NO_ASM
D21	ASM	ASM	NO_ASM
U83	ASM	NO_ASM	NO_ASM
R629	NO_ASM	ASM	NO_ASM
R651	NO_ASM	ASM	NO_ASM

LOGIC

<Variant Name>

緯創資通 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.		
Title PCIE MINI CARD SLOT		
Size Custom	Document Number SHINAI-3 SWG	Rev SB
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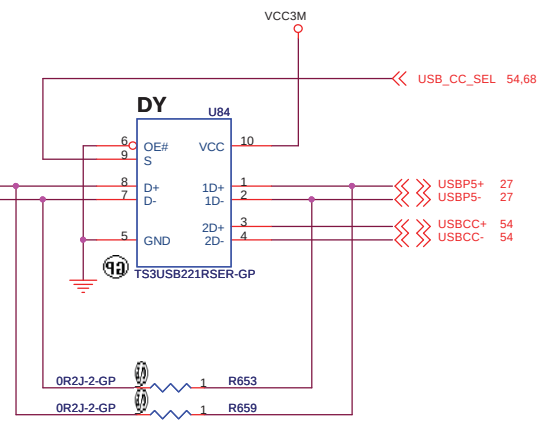
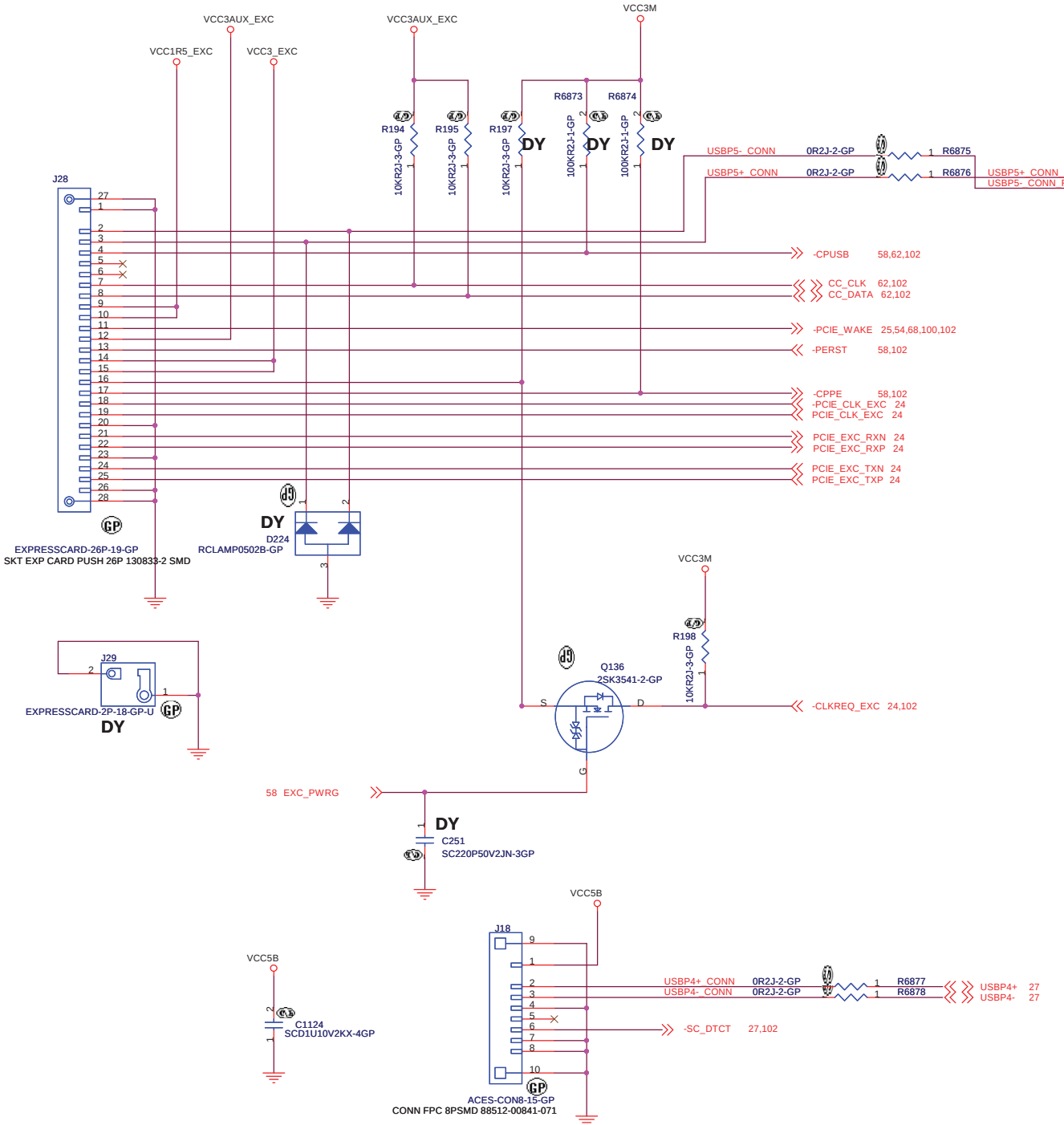
<Variant Name>

緯創資通		Wistron Corporation	
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.			
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Size B	Document Number		Rev
	SHINAI-3 SWG		SB
Date:	Tuesday, September 07, 2010	Sheet	55 of 102

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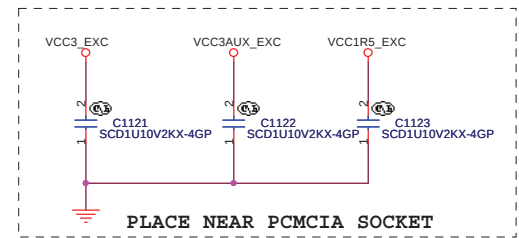
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21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.			
Title			
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Size	Document Number		Rev
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TABLE

CONSTANT CONNECT	VER. 2	VER. 1/NO
U84	ASM	NO_ASM
R653	NO_ASM	ASM
R659	NO_ASM	ASM



緯創資通

Wistron Corporation

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Title

EXPRESS CARD/SMART CARD I/F

Size

A3

Document Number

SHINAI-3 SWG

Rev

SB

Date:

Tuesday, September 07, 2010

Sheet

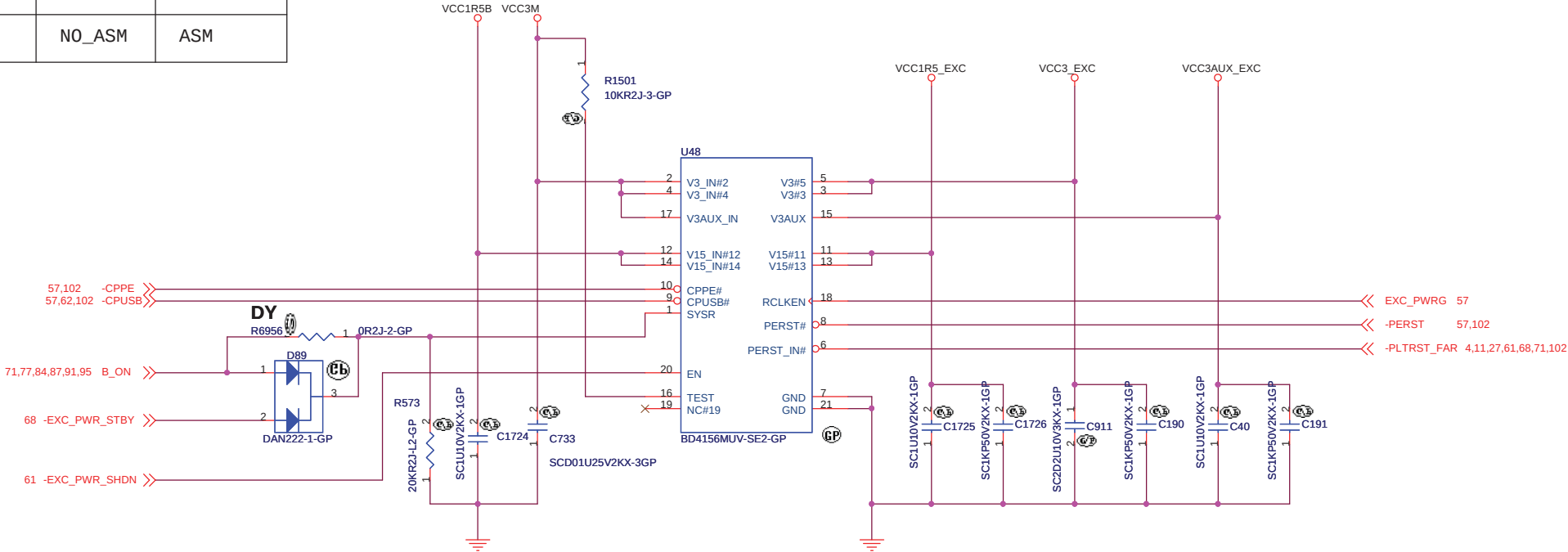
57

of

102

TABLE

CONSTANT CONNECT	YES	NO
D89	ASM	NO_ASM
R573	ASM	NO_ASM
R6956	NO_ASM	ASM



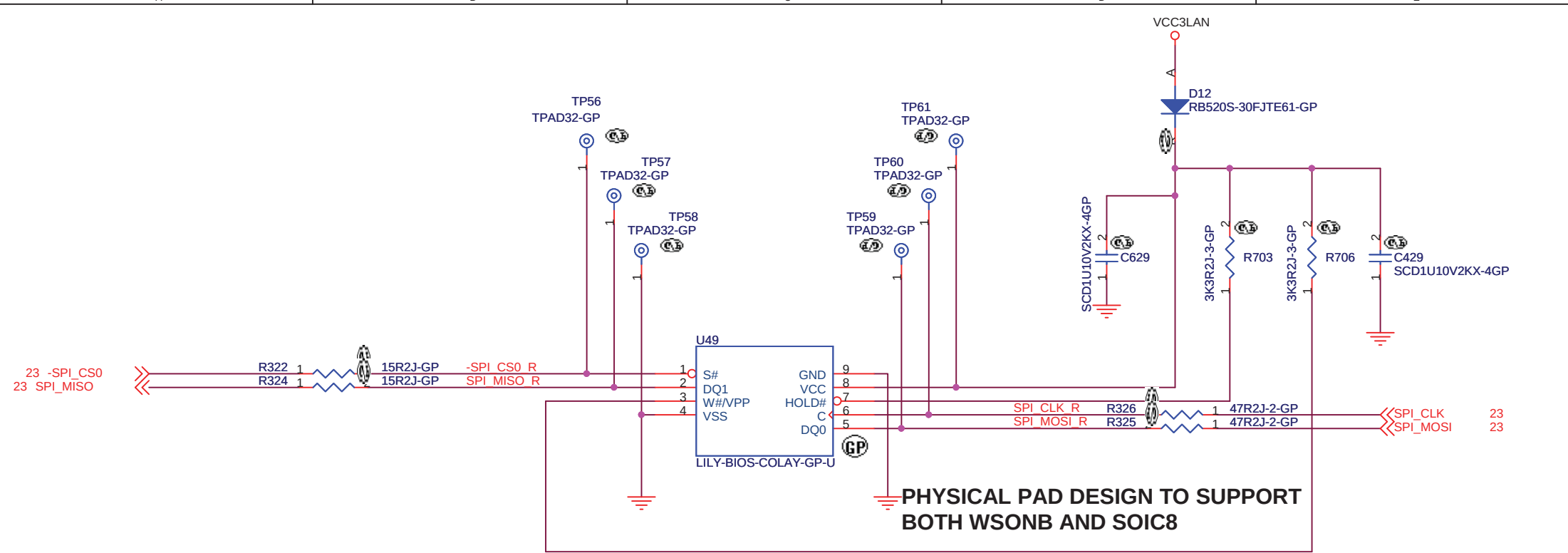
TABLE

CONSTANT CONNECT	VER. 2/VER. 1	NO
U48	BD4156MUV TPS2231MRGPR-3	TPS2231MRGPR-3 BD4156MUV W83L351YG
R1501	ASM	ASM

↑
LOGIC

<Variant Name>

緯創資通 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.		
Title SLOT POWER CONTRL		
Size B	Document Number SHINAI-3 SWG	Rev SB
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TABLE

	WISTRON P/N
8MB SOIC8	
MACRONIX MX25L6436EM2I-10G	72.25643.001
MACRONIX MX25L6406EM2I-10G	Wait Wistron PN
WINBAOND W25Q64CVSSIG	72.25Q64.B01
8MB WSON8	
NUMONYX M25PX64-VDM6TG	72.25P64.E01

TABLE

SF100 PIN HEADER IN TERFACE (TOP VIEW)					
1	VCC	D12.1	GND	GND	2
3	CS#	R322.2	R326.2	CLK	4
5	MISO	R324.2	R325.2	MOSI	6
7	(KEY)	N/A	N/A	(RESET)	8

<Variant Name>



Wistron Corporation
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Taipei Hsien 221, Taiwan, R.O.C.

Title

SPI FLASH

Size
A4

Document Number

SHINAI-3 SWG

Rev
SB

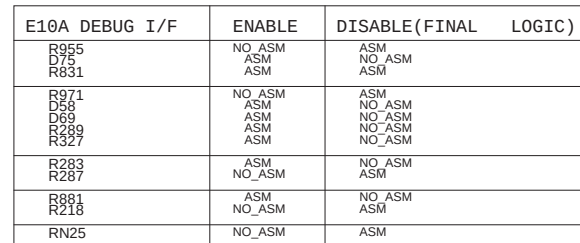
Date: Tuesday, September 07, 2010

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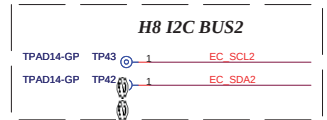
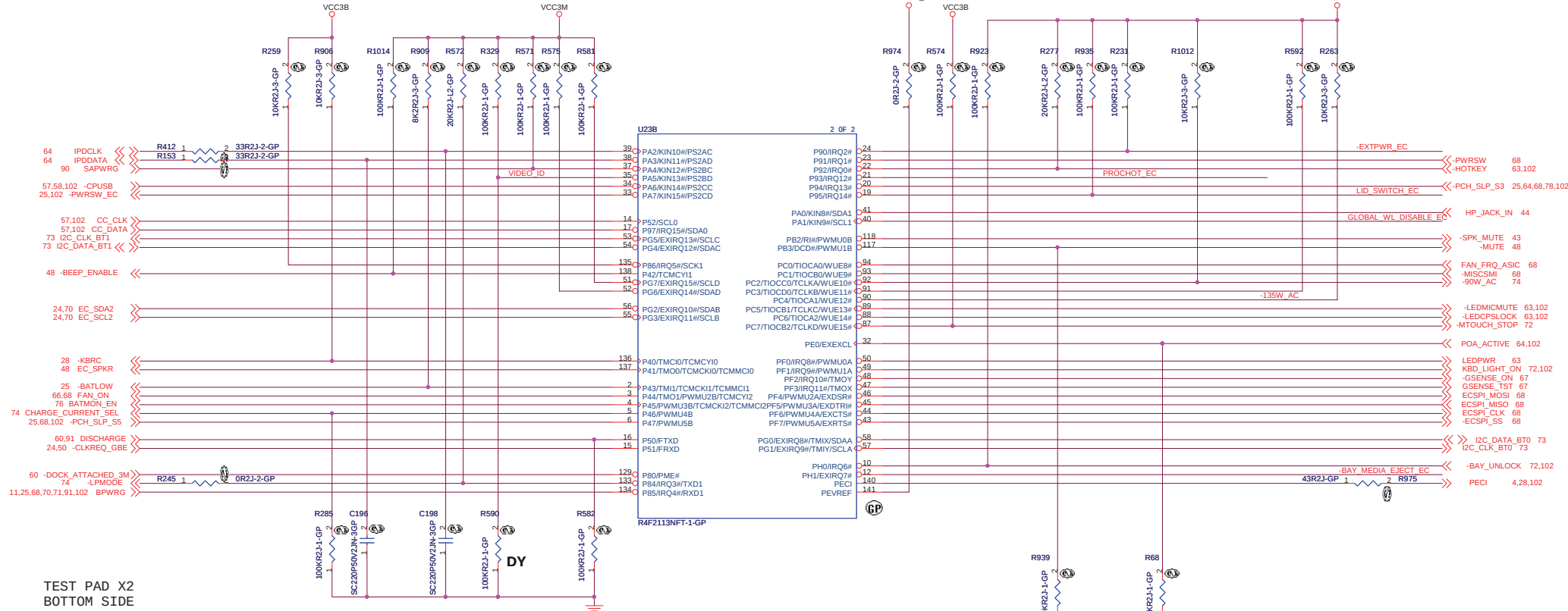
LOCAL	WISTRON	NET
149	1A	DOCK_PWR20_IN
150	2A	DOCK_PWR20_IN
151	3A	GND
152	4A	GND
153	5A	S_BAT_IN
154	6A	S_BAT_IN
155	7A	NA
156	8A	NA
157	149	GND
158	150	GND
159	151	GND
160	152	GND
161	153	GND
162	154	GND
163	NP1	NA
164	NP2	NA



<i>VENDOR</i>	<i>PART</i>	<i>WISTRON P/N</i>
<i>MURATA</i>	<i>CSTCE10M0G55-R0</i>	<i>82.10028.011</i>
<i>TDK</i>	<i>CCR10.0MXC8T</i>	<i>82.10004.051</i>



LOGIC



TABLE

GFX	EXT	INT.
R329	ASM	NO_ASM
R590	NO_ASM	ASM



<Variant Name>

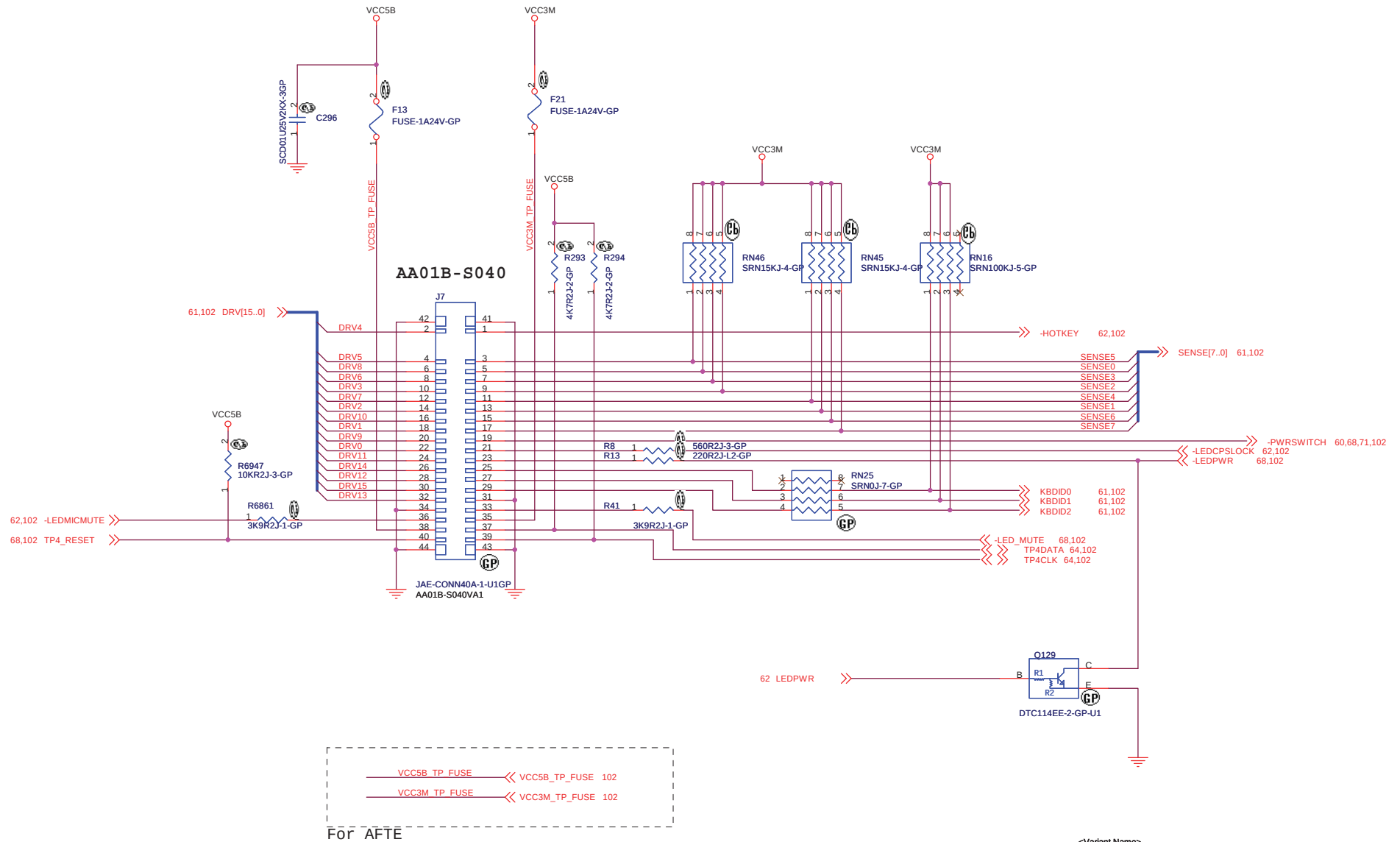
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.

Title: **H8S/2113(2/2)**

Size: Custom Document Number: **SHINAI-3 SWG** Rev: **SB**

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Keyboard Connector



<Variant Name>

緯創資通

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

Title

KEYBOARD CONNECTOR

Size

Document Number

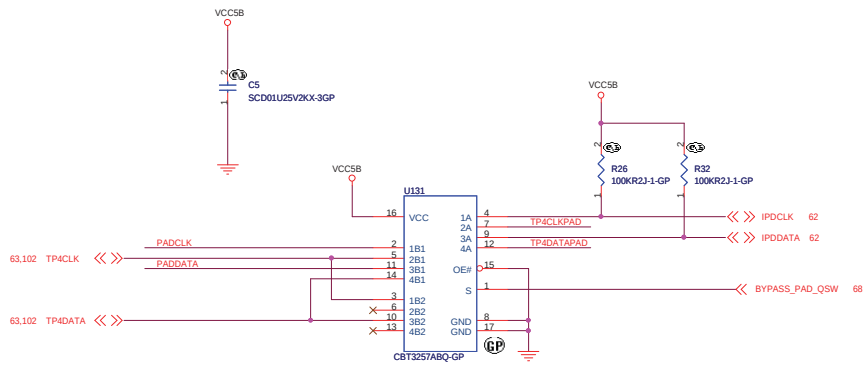
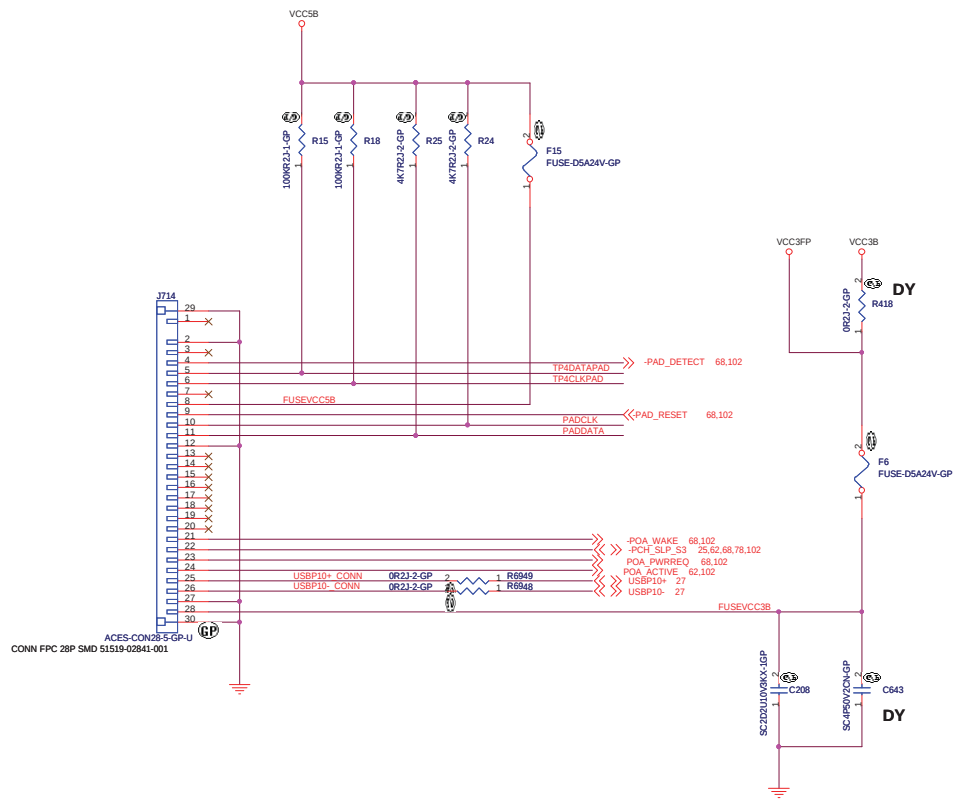
SHINAI-3 SWG

Rev

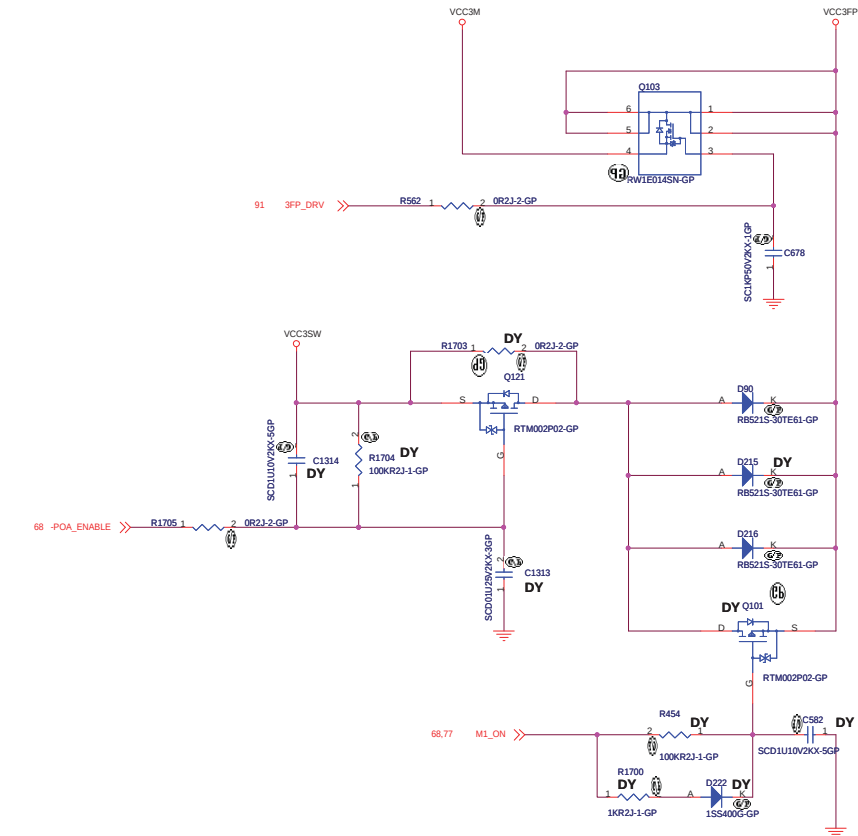
SB

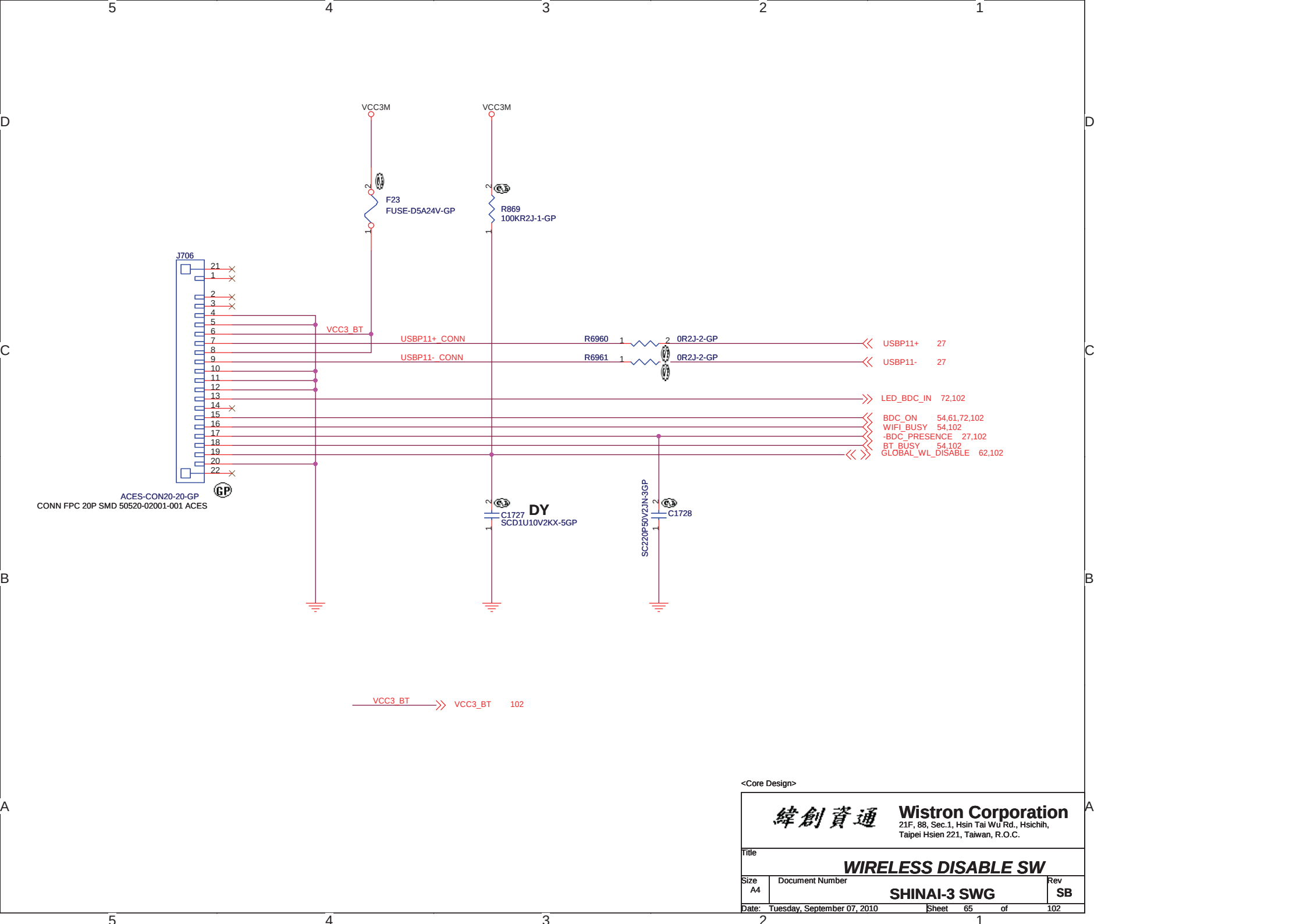
Date: Thursday, September 23, 2010

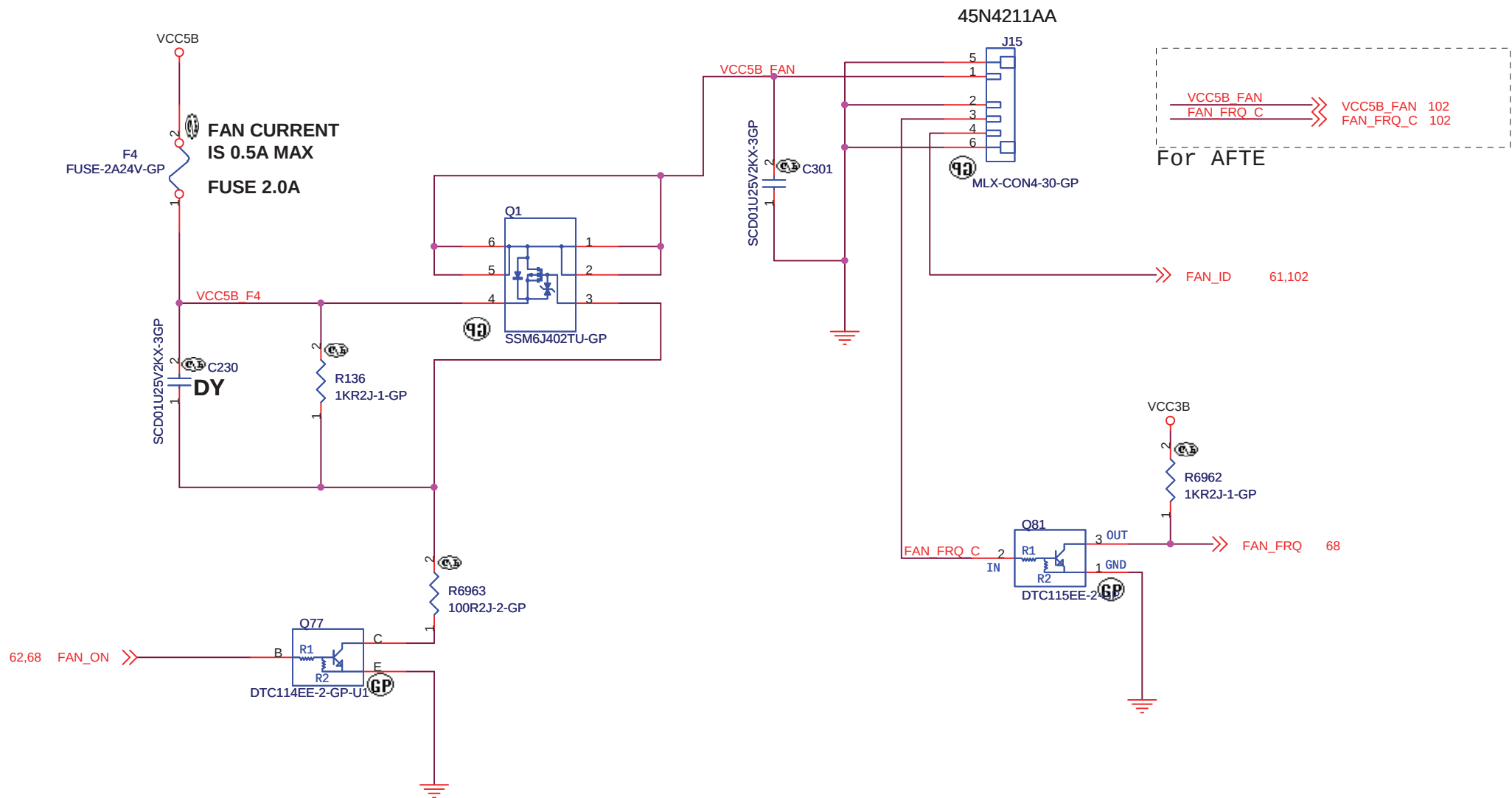
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For AFTE







<Core Design>

緯創資通

Wistron Corporation

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

Title

FAN CONNECTOR

Size
A4

Document Number

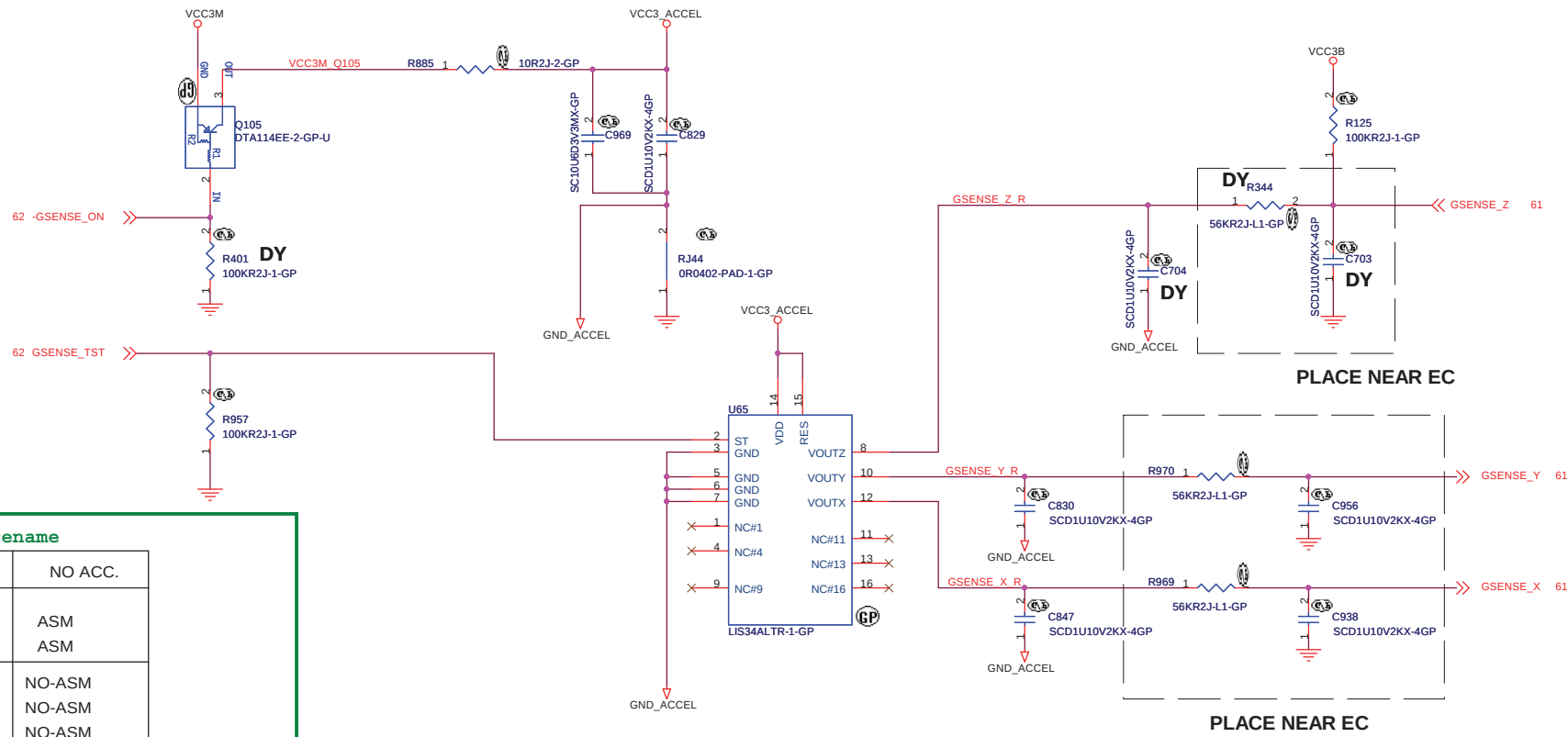
SHINAI-3 SWG

Rev
SB

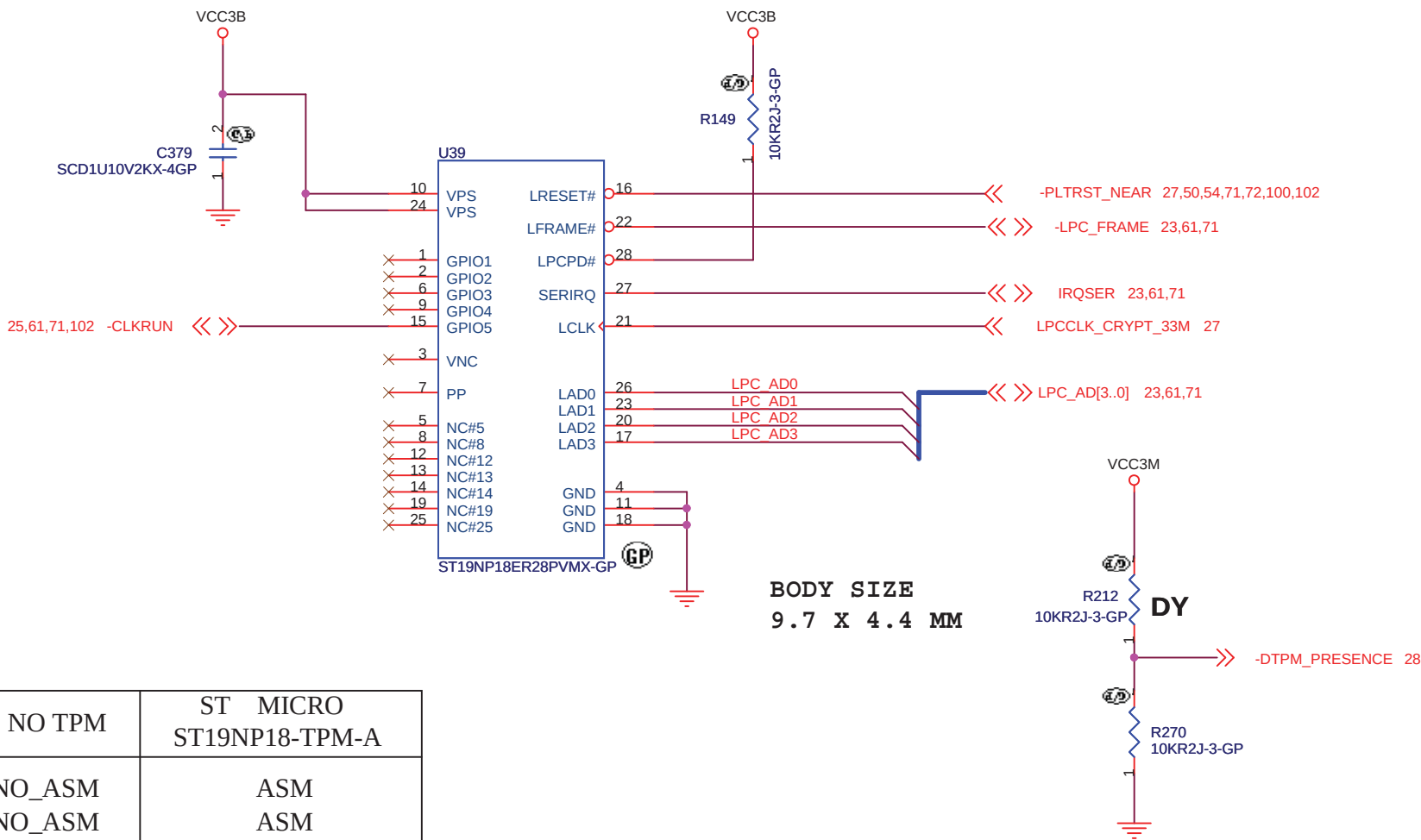
Date: Tuesday, September 07, 2010

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Will confirm after rename		
	LIS244AL/LIS34AL	NO ACC.
R401	NO-ASM	ASM
R957	ASM	ASM
U65	ASM	NO-ASM
Q105	ASM	NO-ASM
D97	ASM	NO-ASM
R62	ASM	NO-ASM
R885	10-OHM	NO-ASM
C829	ASM	NO-ASM
C969	ASM	NO-ASM
C830	ASM	NO-ASM
C847	ASM	NO-ASM
R969	56K	NO-ASM
C938	ASM	NO-ASM
R970	56K	NO-ASM
C956	ASM	NO-ASM
C704	NO-ASM	NO-ASM
R344	NO-ASM	NO-ASM
C703	NO-ASM	NO-ASM
R125	ASM	ASM



TPM



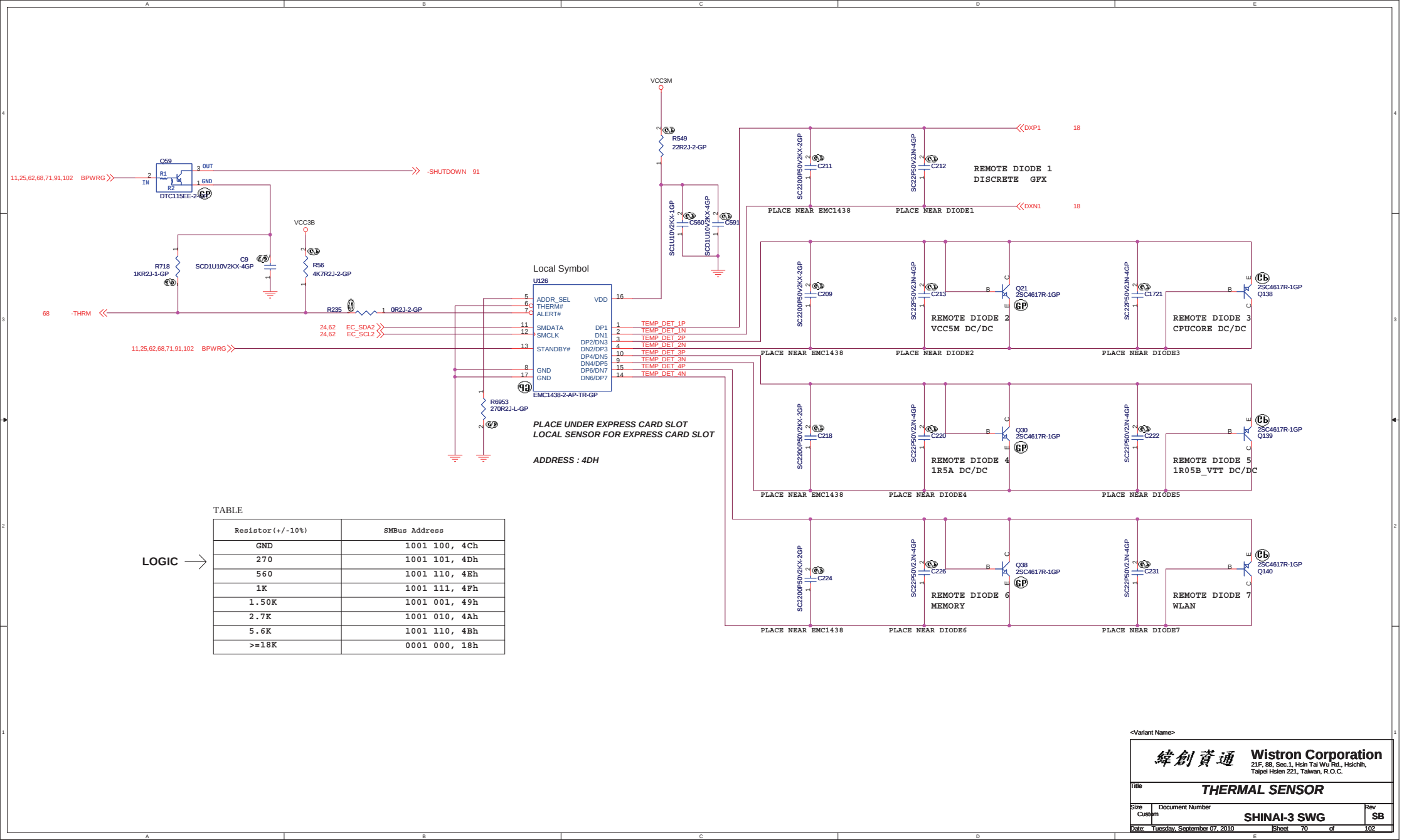
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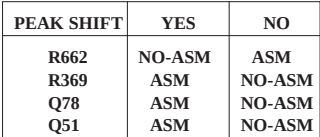
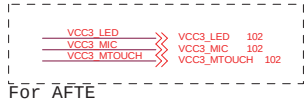
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R270	NO_ASM	ASM

↑
LOGIC

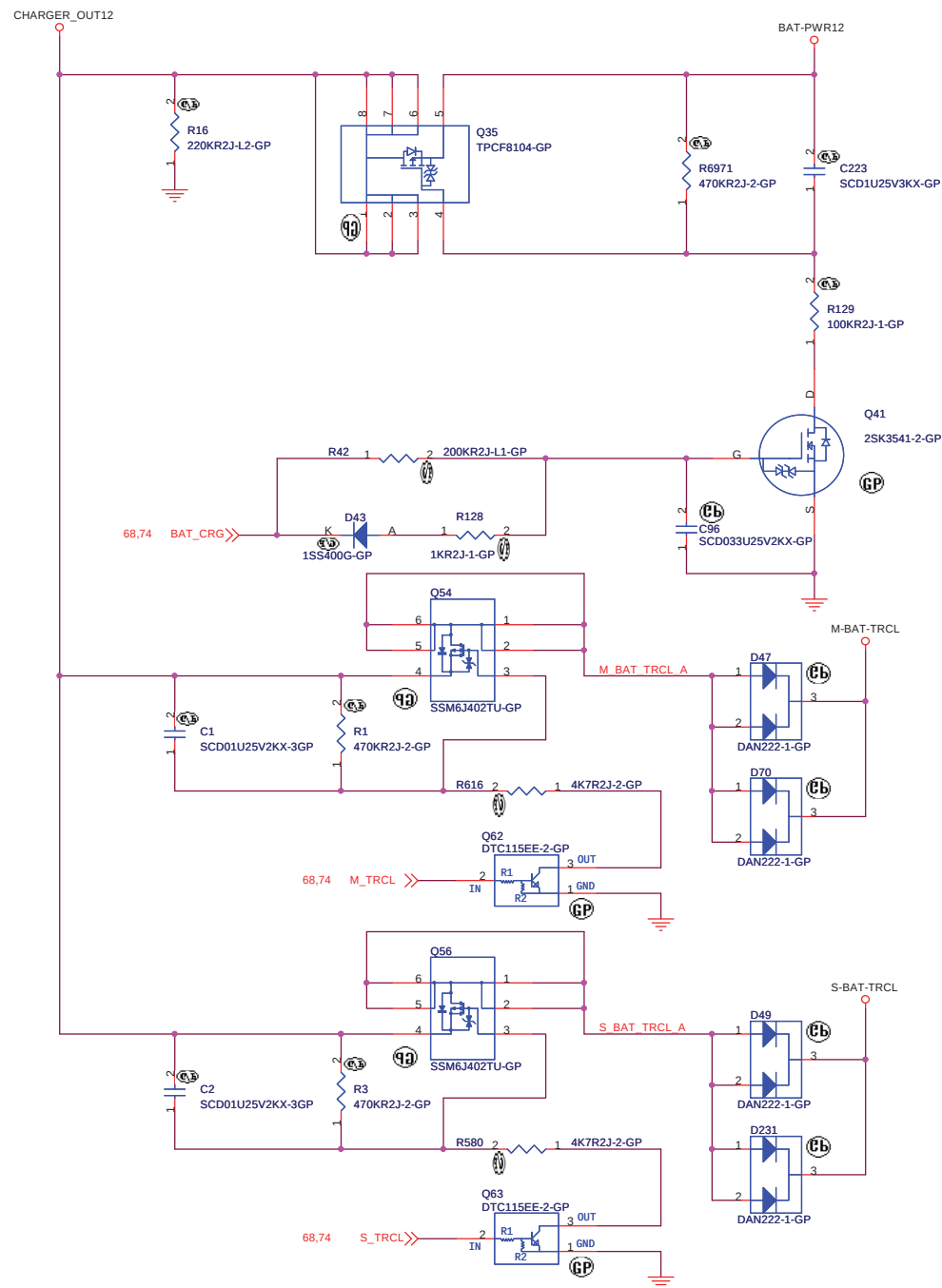
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21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.					
Title					
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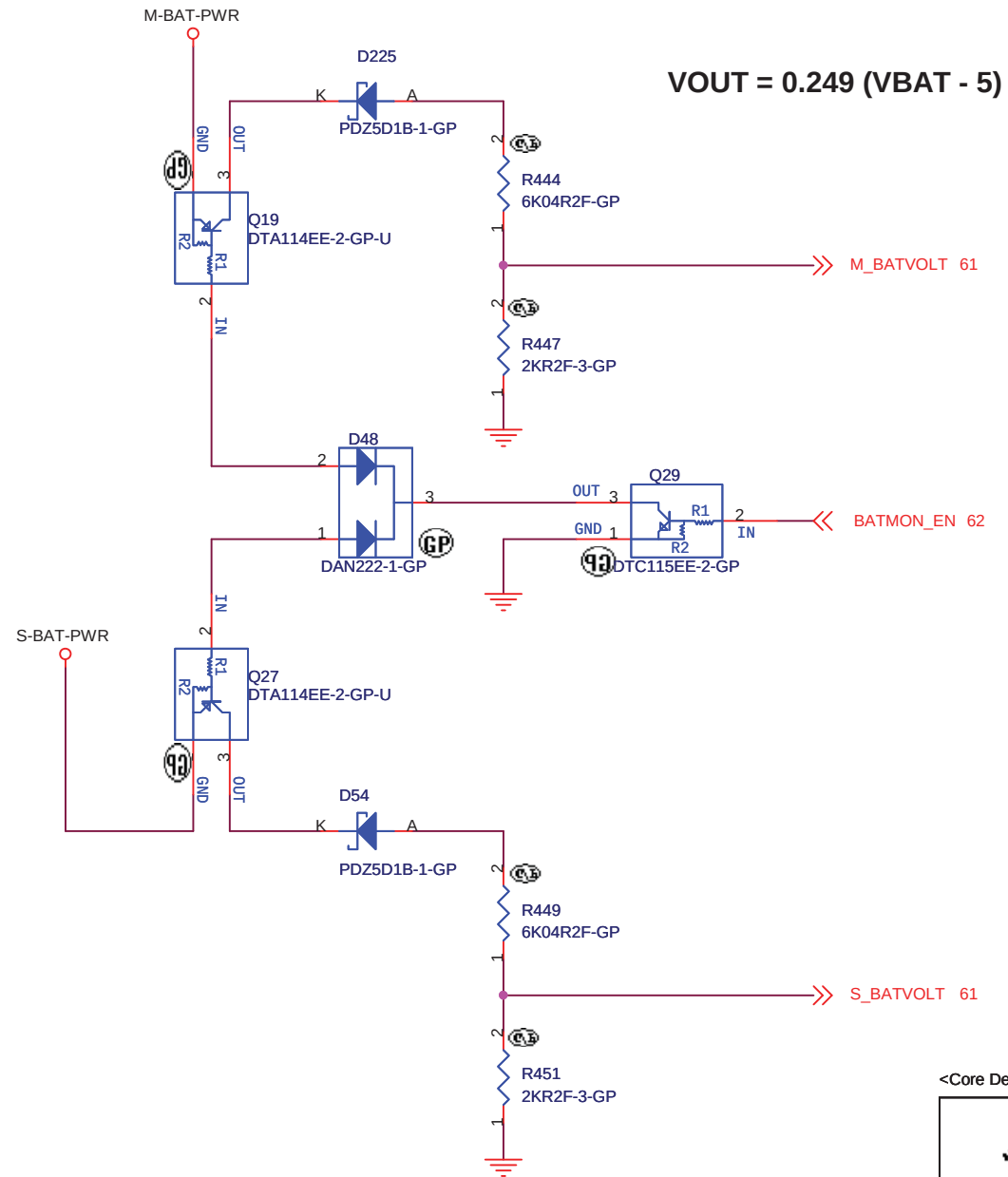
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緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title			CHARGER SELECT	
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緯創資通

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

Title

BATTERY MONITOR

Size
A4

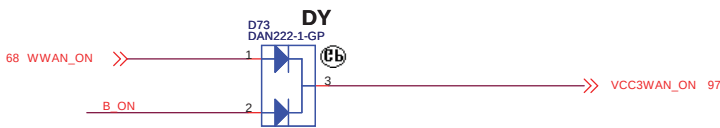
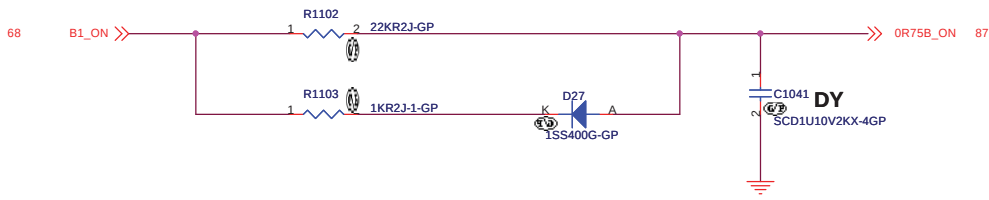
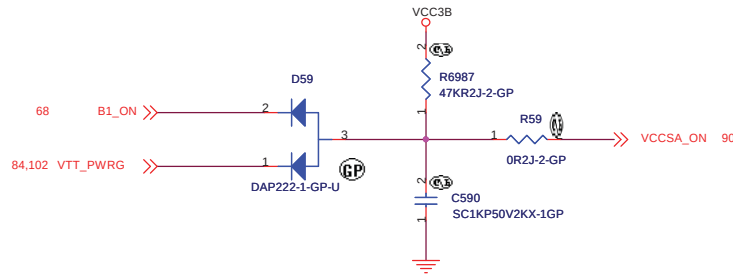
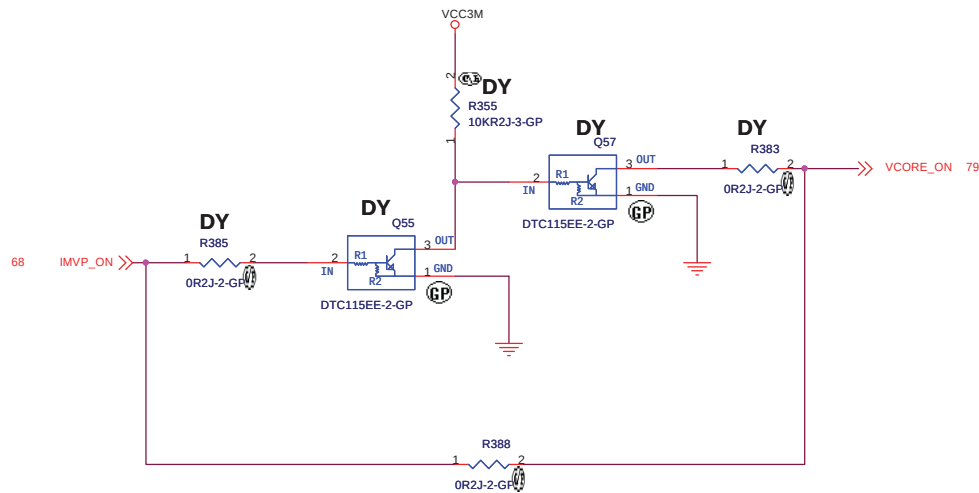
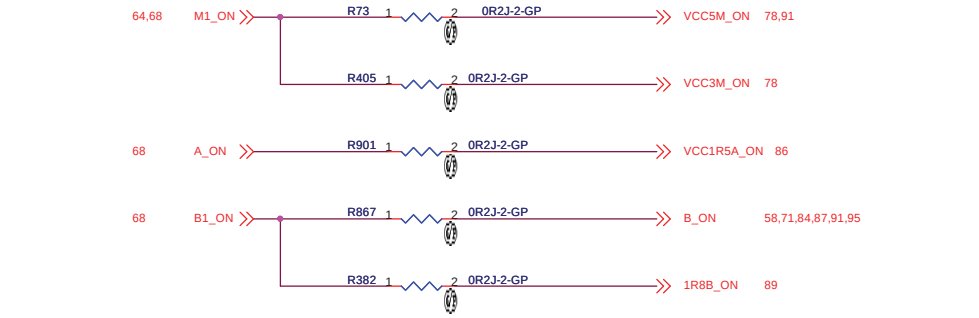
Document Number

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CONSTANT CONNECT	VER.2	VER.1/NO
D73	ASM	NO_ASM

LOGIC

緯創資通

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Title

POWER SEQUENCE

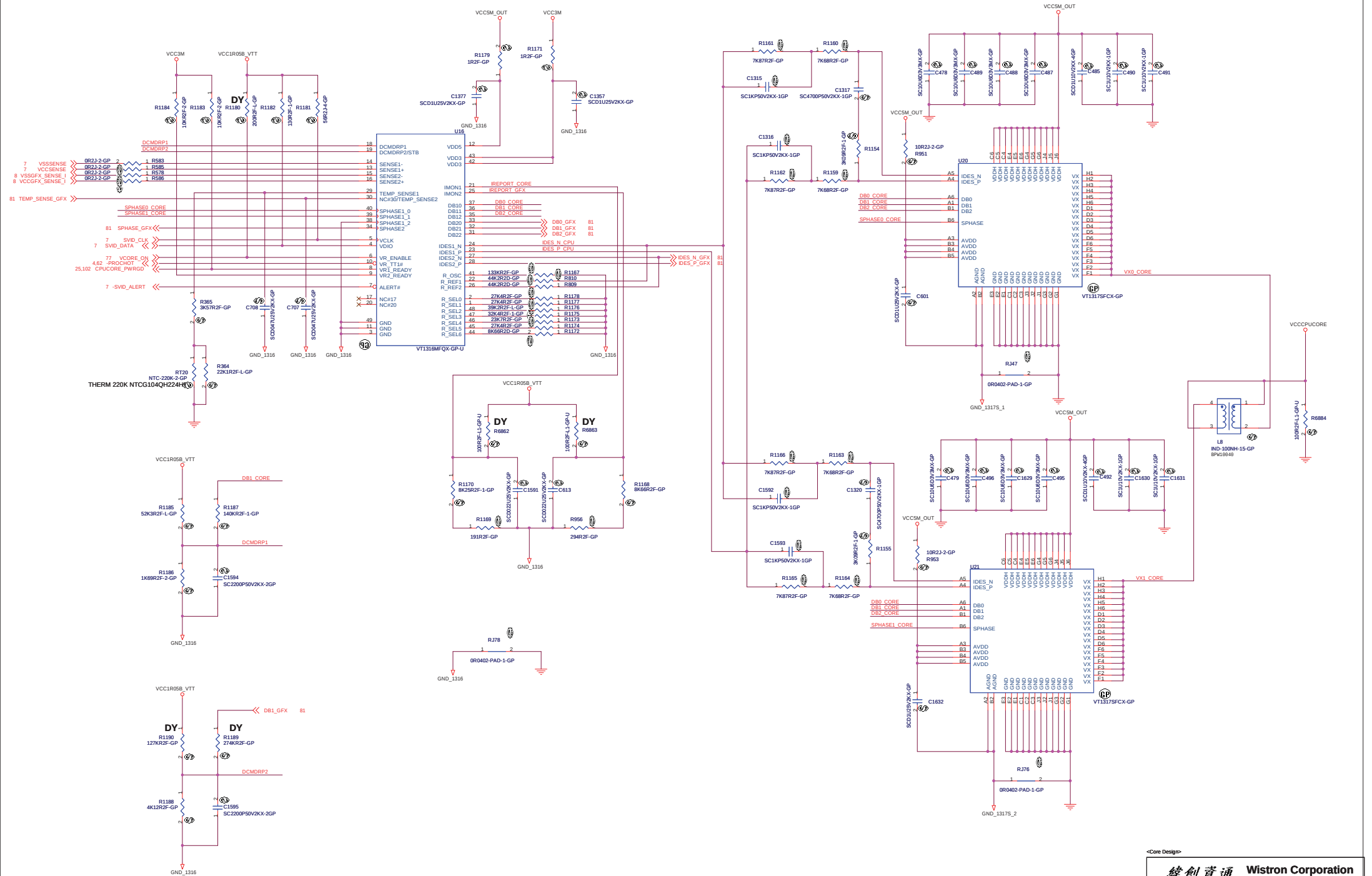
Size A3

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<Variant Name>

緯創資通

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

Title

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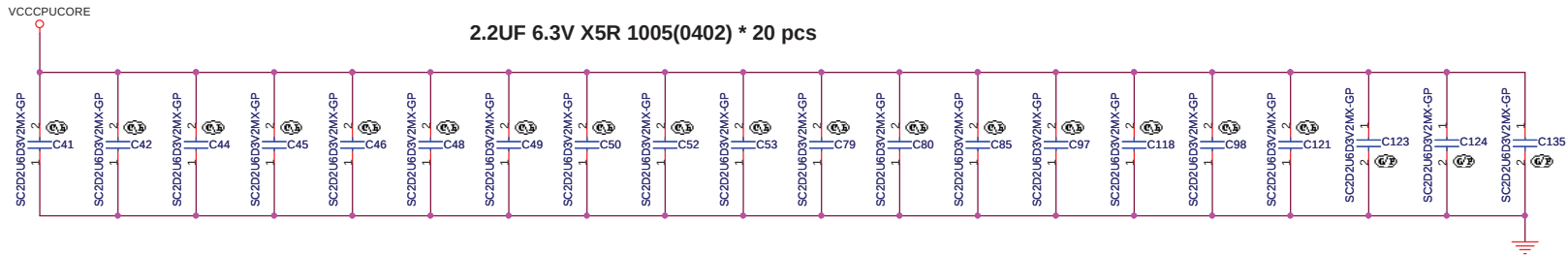
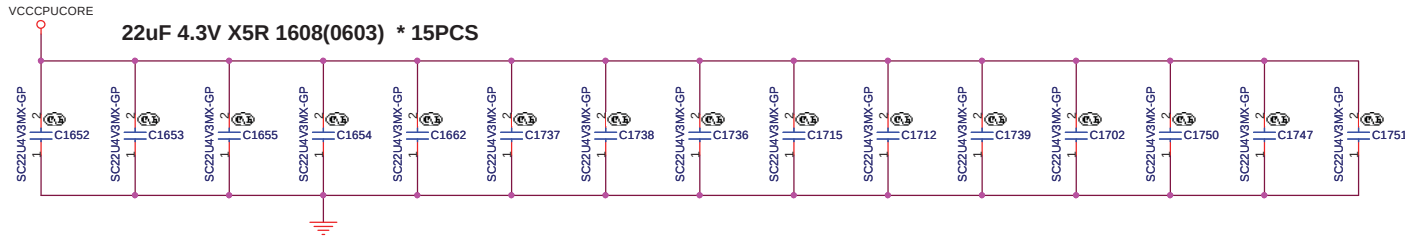
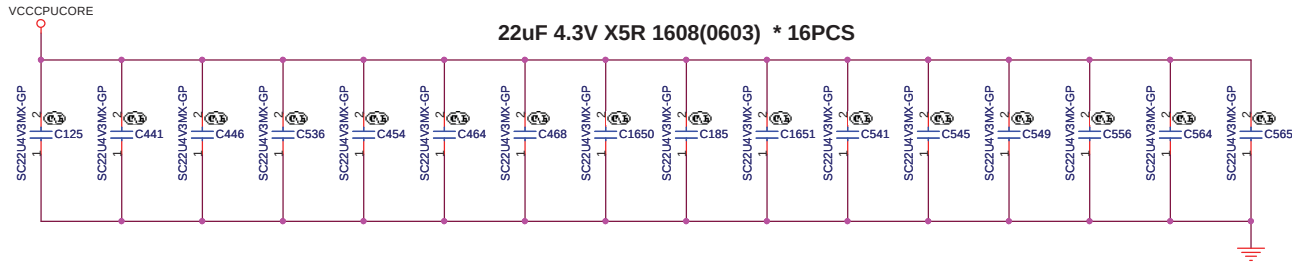
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B

Document Number

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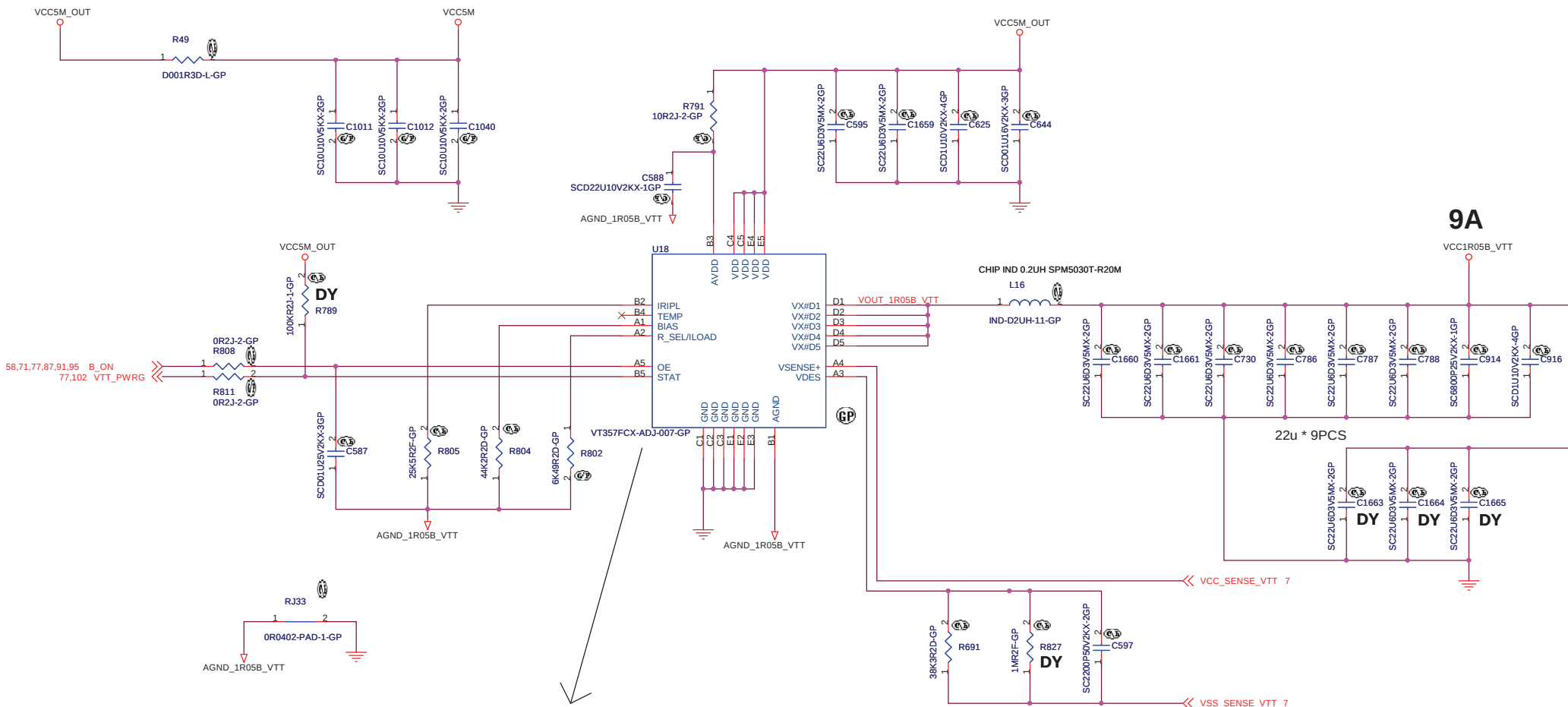


TABLE OF VCC1R05B_VTT POWER SOLUTION

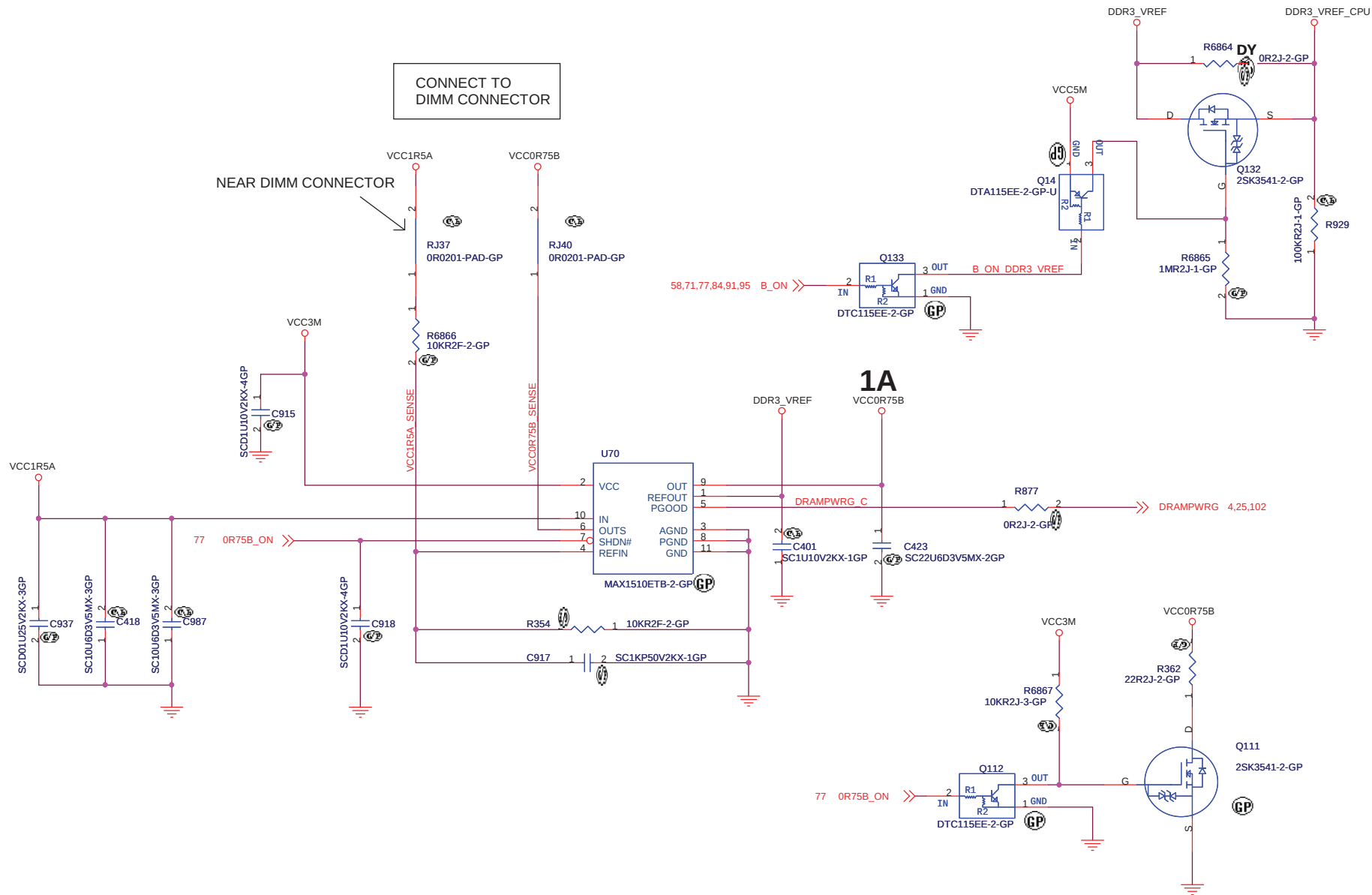
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1	VT356FCX-ADJ-007	6.49K/0.5%	25.5K/1%
2	VT357FCX-ADJ-007	5.9K/0.5%	35.7K/1%

LOGIC

VSENSE-TRACE
ROUTED DIFFERENTIALLY
PARALLEL TO VSENSE+

1.10V R691 = 40.2K
1.05V R691 = 38.3K
VOUT = 1.212 * R691 / 44.2K

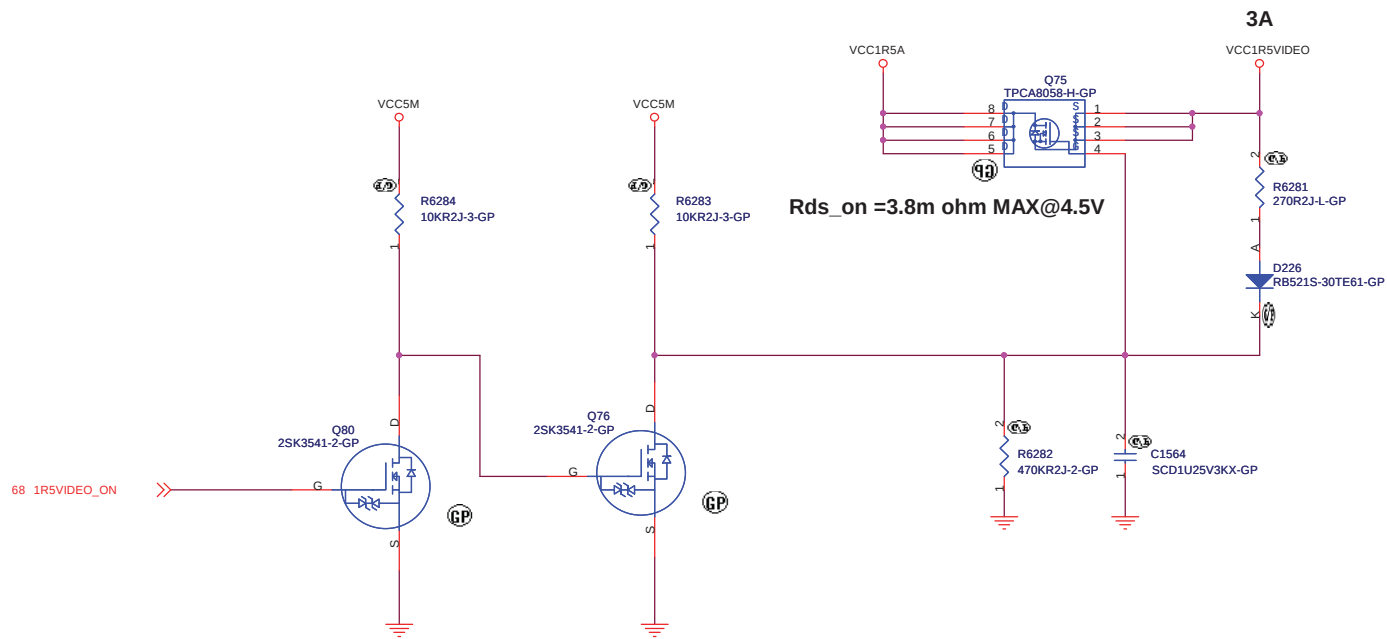
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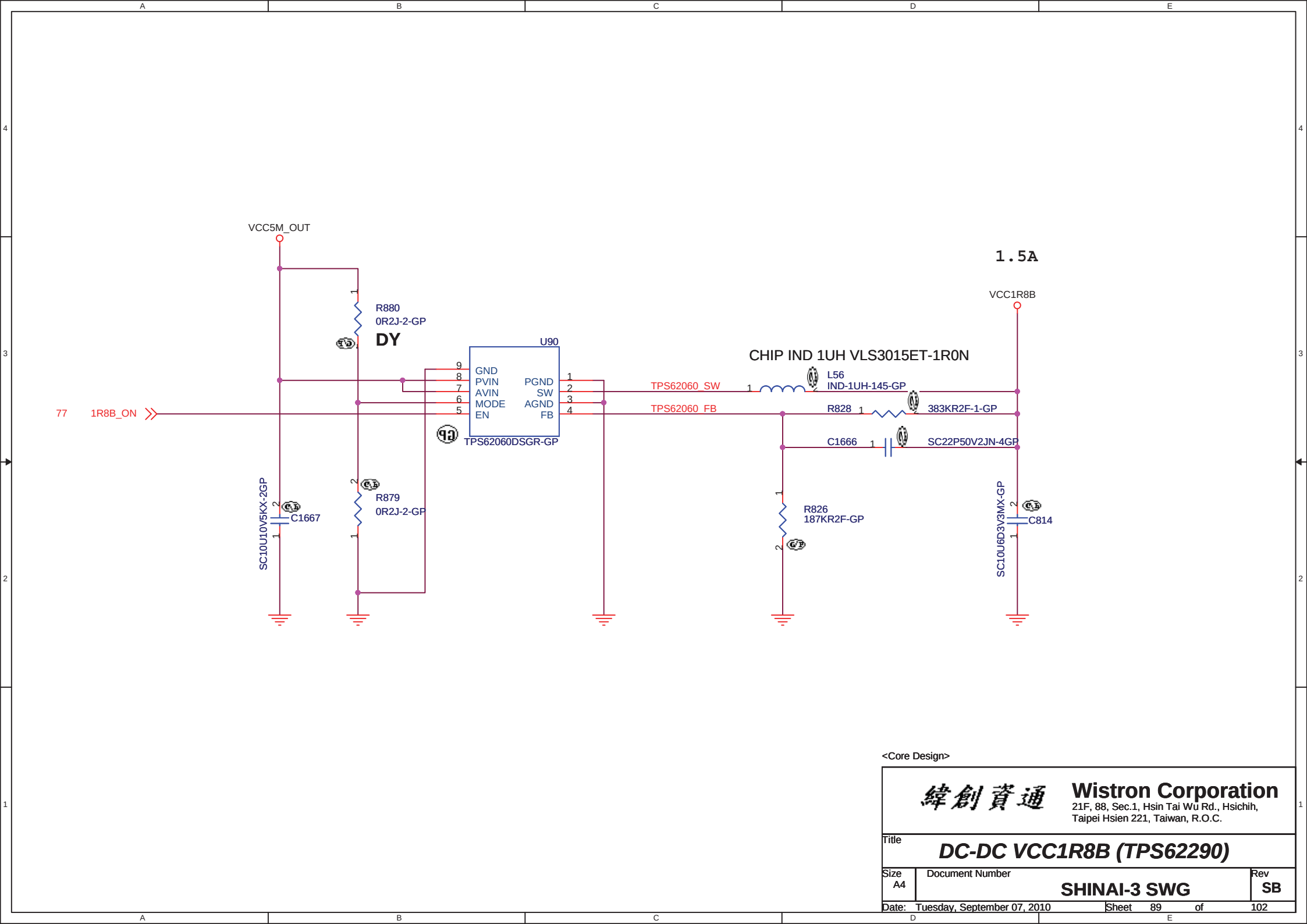
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title		
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Size	Document Number	Rev
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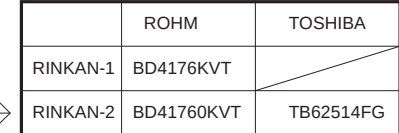


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緯創資通		Wistron Corporation	
		21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
DC/DC VCC1R5VIDEO(VT356) / VCC1R8VIDEO(BD3551)			
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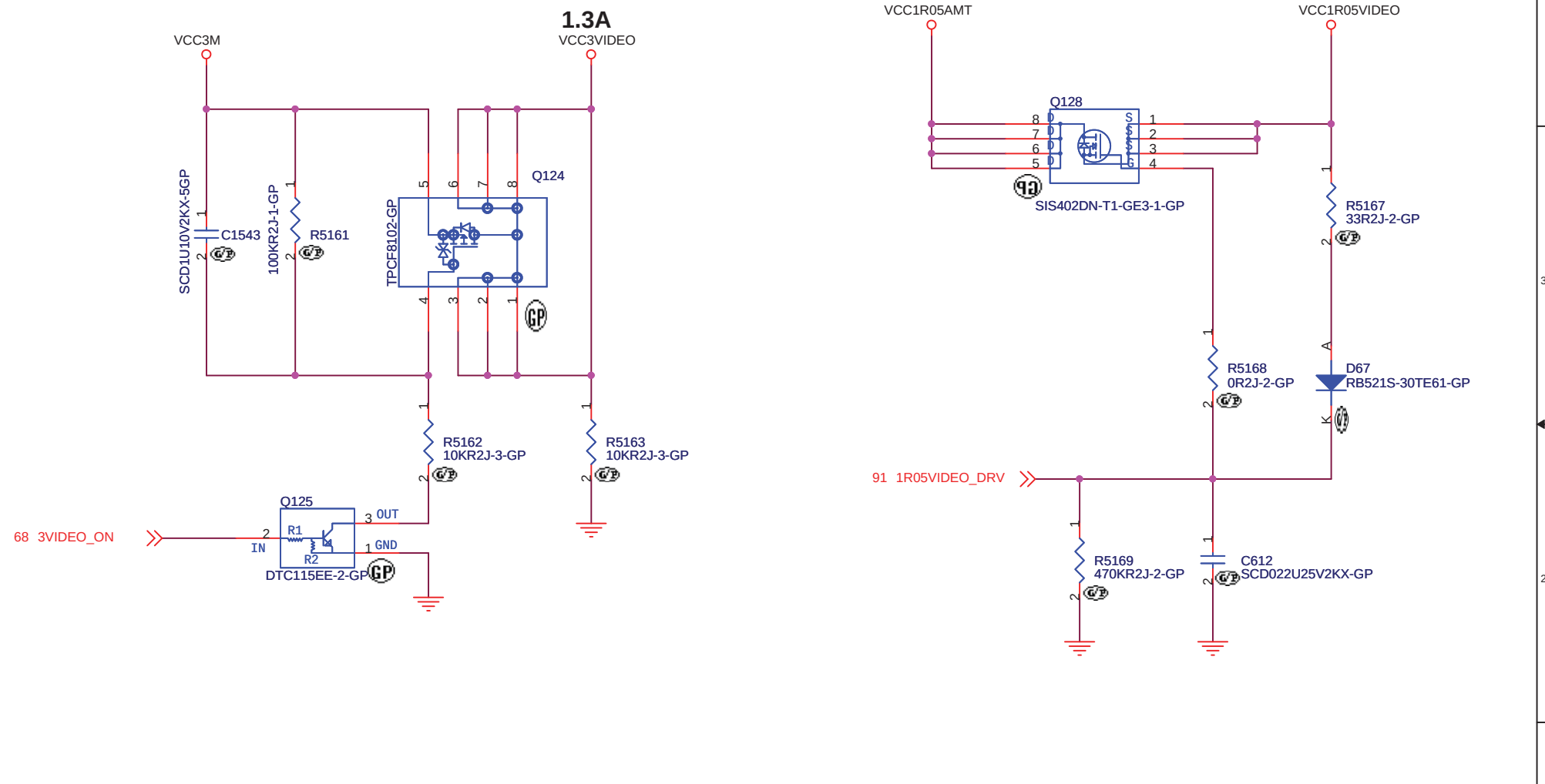






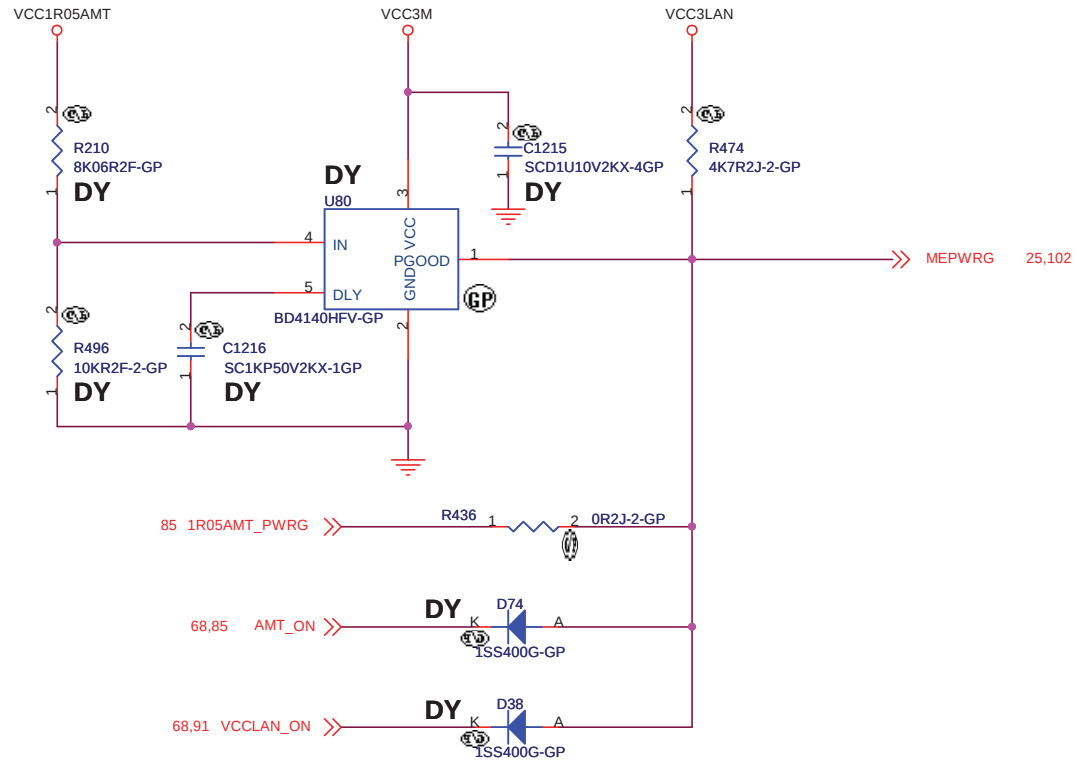
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緯創資通		Wistron Corporation 21F, B8, Sec 1, Hsin Tai Wu Rd., Hsiehshih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
Size		Rev	
Custom		SB	
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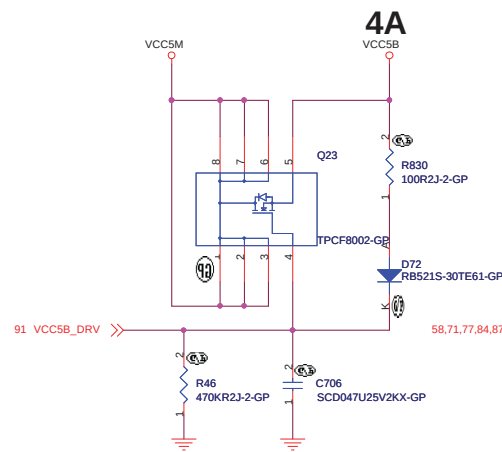
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Title		
LOAD SW VIDEO		
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BOM

緯創資通 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.		1
Title		
LOAD SW AMT/ MEPWRG		
Size	Document Number	Rev
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Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

	Title
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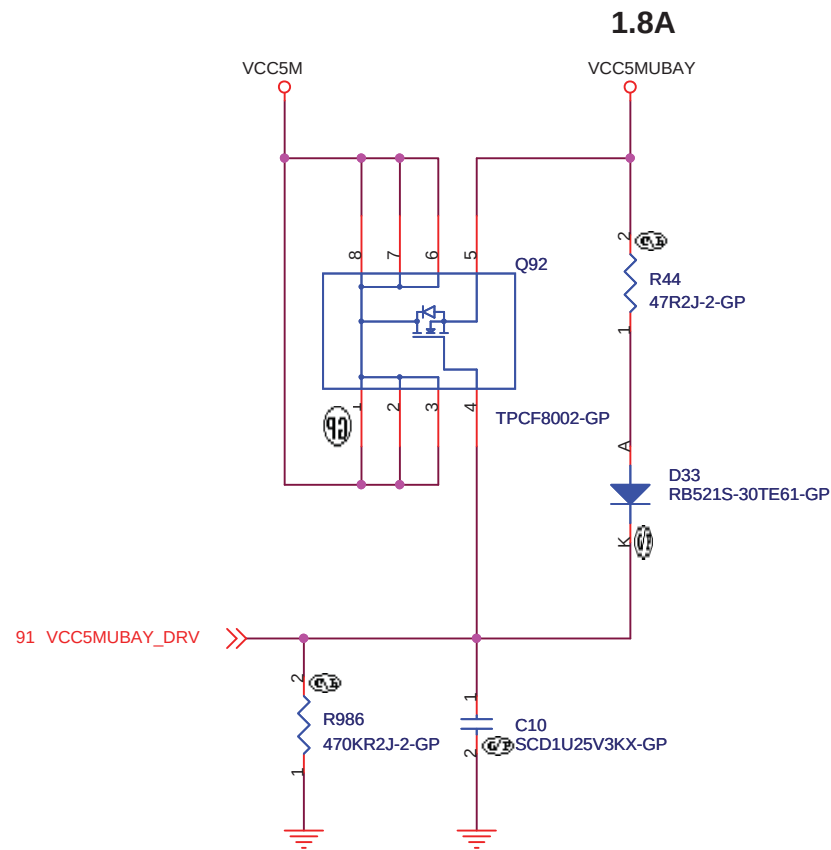
LOAD SW B

Size	Document Number
Custom	

SHINAI-3 SWG SB

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<Variant Name>

緯創資通

Wistron Corporation

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Taipei Hsien 221, Taiwan, R.O.C.

Title

LOAD SW VCC5MUBAY

Size

A4

Document Number

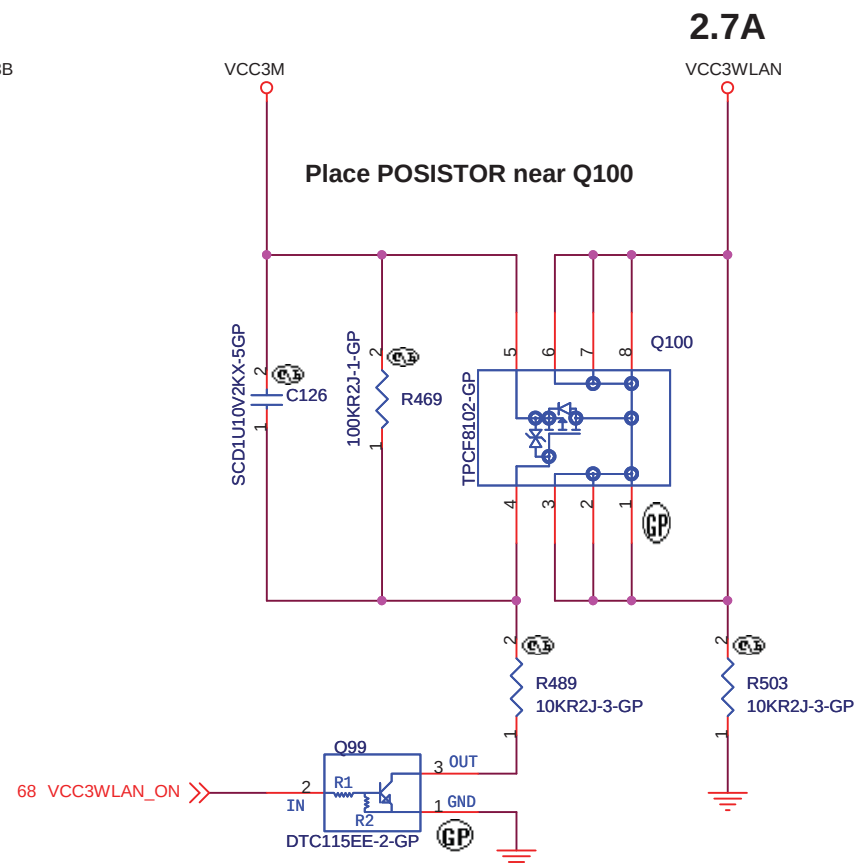
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Rev

SB

Date: Tuesday, September 07, 2010

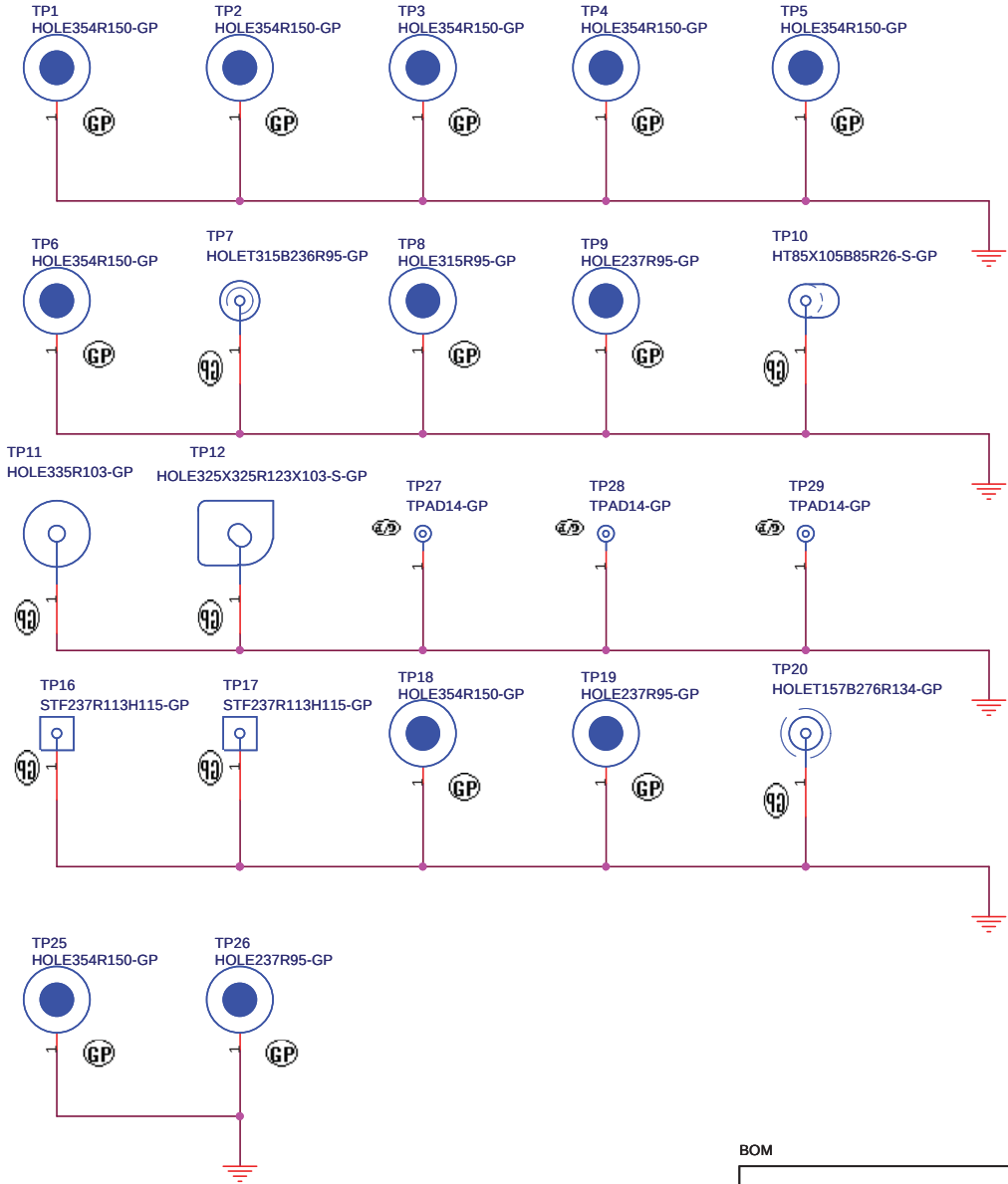
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CONSTANT CONNECT	VER.2	VE.1/NO
R1055	NO_ASM	ASM
Q94	ASM	NO_ASM
R650	ASM	NO_ASM
R645	ASM	NO_ASM
C1084	ASM	NO_ASM
R647	ASM	NO_ASM
Q91	ASM	NO_ASM

 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title	
LOAD SW WAN & WLAN	
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PTH FOR SCREW HOLE



BOM			
緯創資通		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
PTH FOR SCREW HOLES			
Size Custom	Document Number SHINAI-3 SWG		Rev SB
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<Variant Name>

緯創資通

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

Title

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Size
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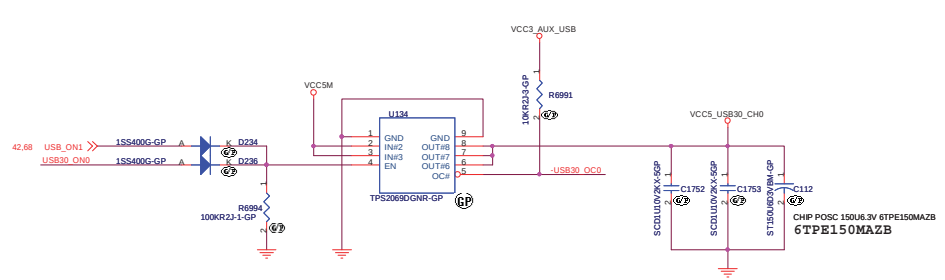
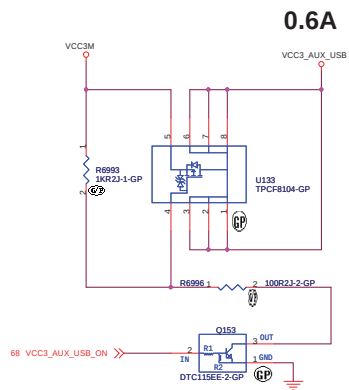
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Rev
SB

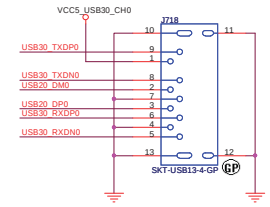
SHINAI-3 SWG

Date: Tuesday, September 07, 2010

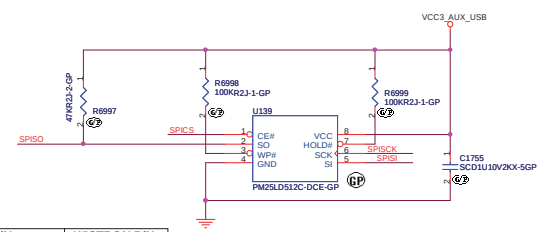
Sheet 99 of 102



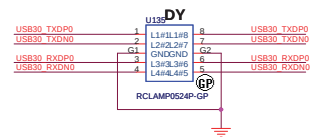
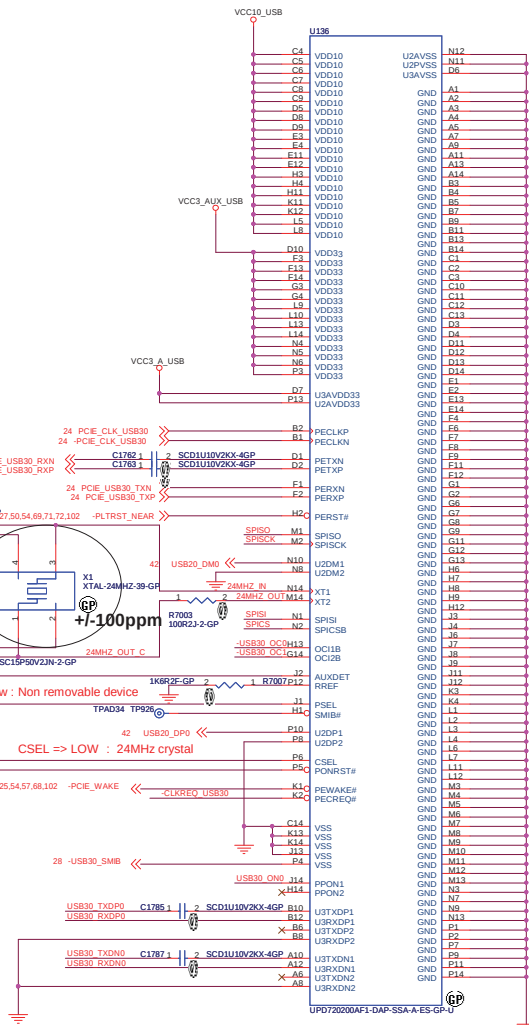
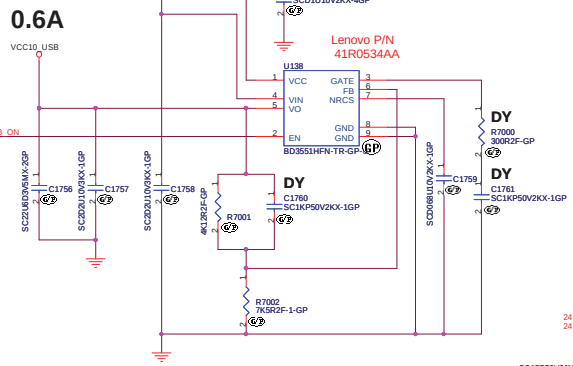
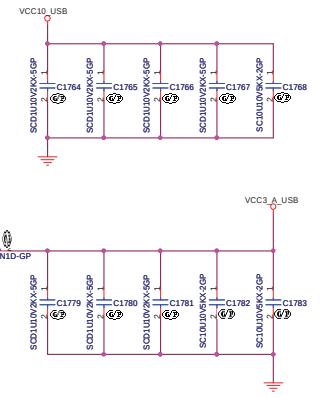
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U134	TI	TPS2069DGNR-GP	74.02069.079



USB3.0 CONNECTOR

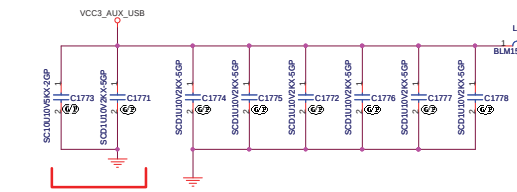
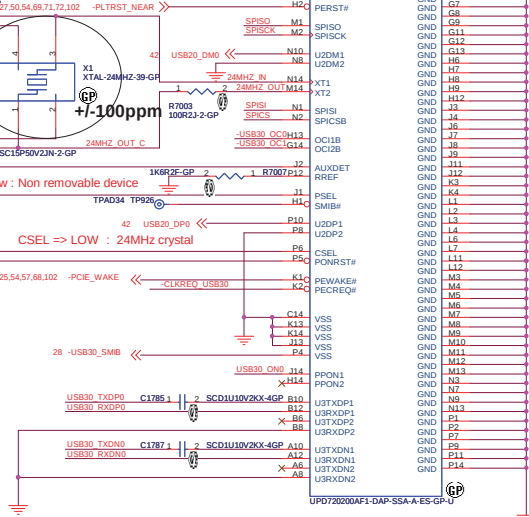
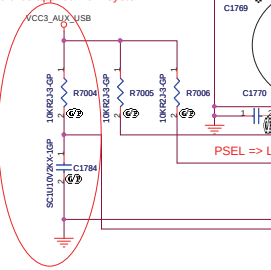


	Supplier	Vendo P/N	WISTRON P/N
1	Chingis	Pm25LD512C	72.25512.B09
2			
3			



NOT MANDATORY TO PLACE.

If Wakeup function from D3 cold is required, VCC3_AUX should be applied from system.



<Variant Name>

緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsinchu, Taiwan 300, Taiwan, R.O.C.

USB 3.0			
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HELE Recommended Conditions:
Normal Frequency: 24MHz.
Frequency Tolerance: +/- 30ppm.
Load Frequency: 12pF.
Effective Series Resistance: 50-ohm.
Effective Shunt Capacitance: 2pF.

