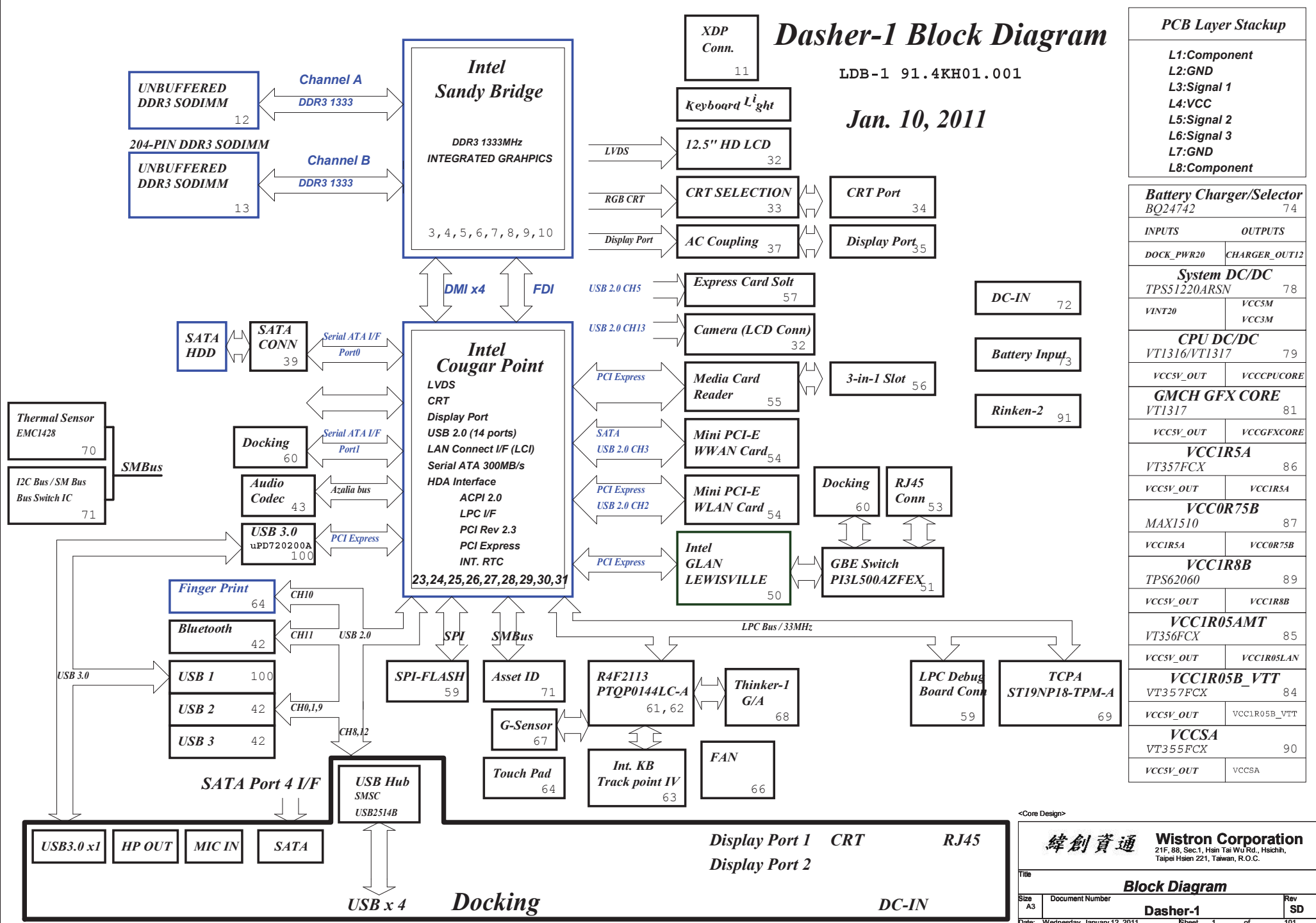


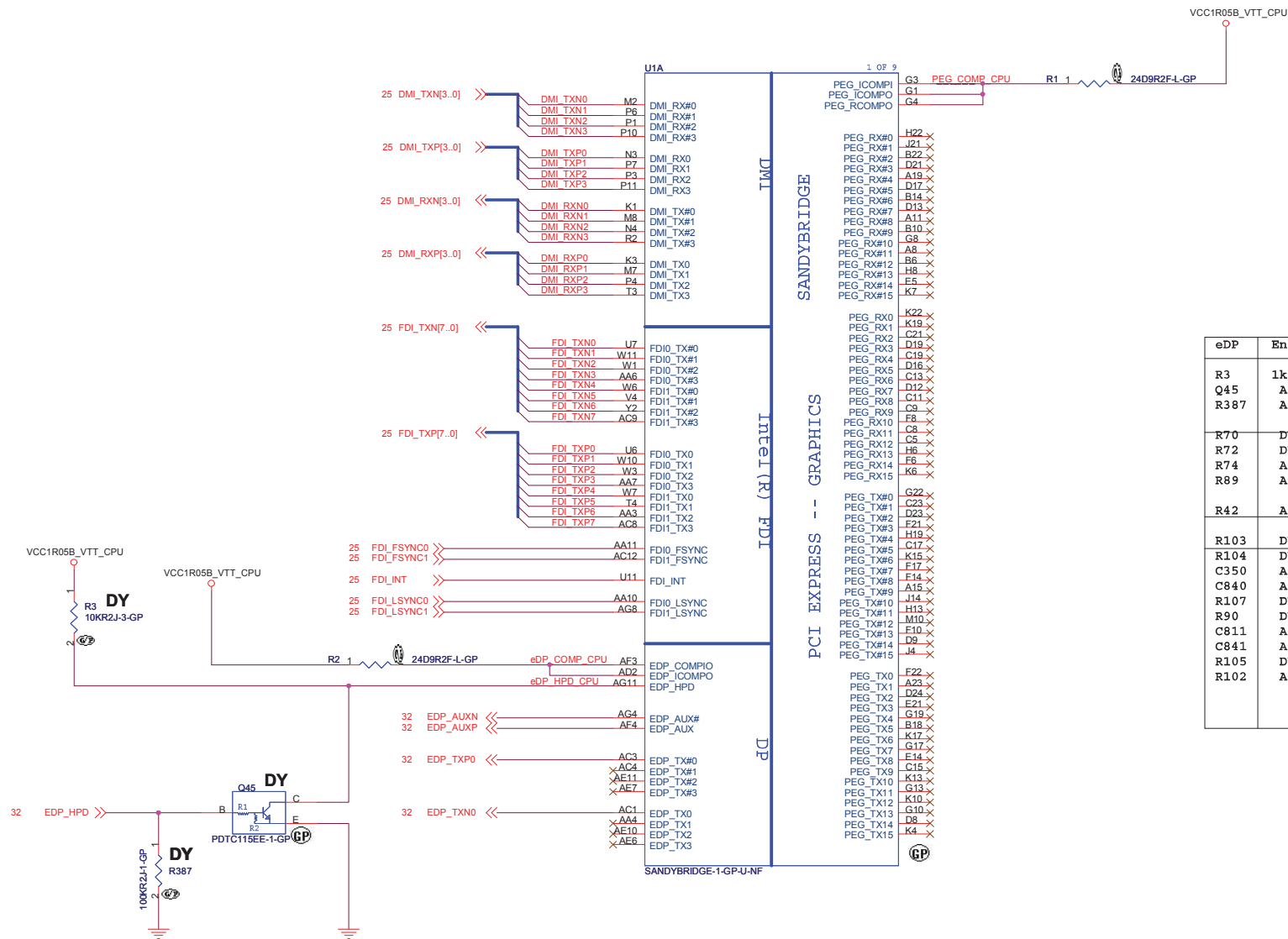


Symbol name	Value	Tolerance (J: 5%, F: 1%, D: 0.5%, B: 0.1 %)	Rating 0402=> 1/16W, 25V 0603 => 1/16W, 75V 0805 => 1/10W, 100V	Size 2=>0402, 3=>0603, 5=>0805, 6=>1206, 0=>1210
10KR3	10K Ohm	If no letter, it means J: 5%	1/16W, 75V	0603
33D3R5	33.3 Ohm	If no letter, it means J: 5%	1/10W, 100V	0805
1KR3F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

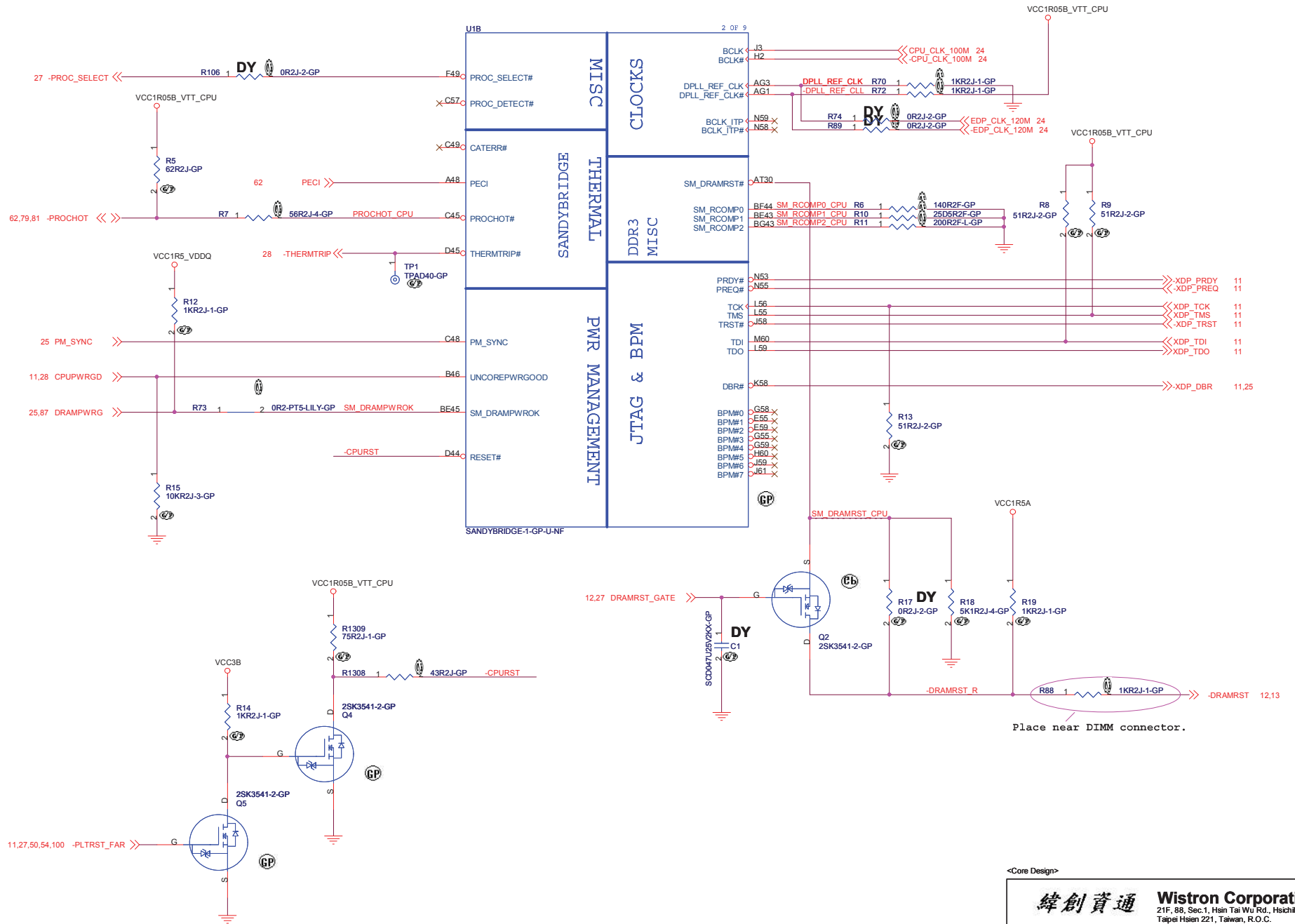
Symbol name	Value	Tolerance (M: +/-20, K: +/-10, Z: +80/-20)	Rating	Size 2=>0402, 3=>0603, 5=>0805, 6=>1206, 0=>1210
SCD1U10V2MX-1	0.1uF	M/X5R	10V	0402
SC10U6D3V5MX	10uF	M/X5R	6.3V	0805
SC2D2U16V5ZY	2.2uF	Z/Y5V	16V	0805

IBEXPEAK-M	39	38	48	49	Planar ID Version	Planar PCB Version
PLANAR_IDn	3	2	1	0		
	0	0	0	0		
	0	0	0	1		
	0	0	1	0	Dasher-1 Pre-DV	SA
	0	0	1	1	Dasher-1 SDV/UT	SB
	0	1	0	0	Dasher-1 MFVT	SC
	0	1	0	1	Dasher-1 FVT	SD
	0	1	1	0	Dasher-1 M-SIT	SE
	0	1	1	1	Dasher-1 SIT	SF
	1	0	0	0	Dasher-1 SVT	-1

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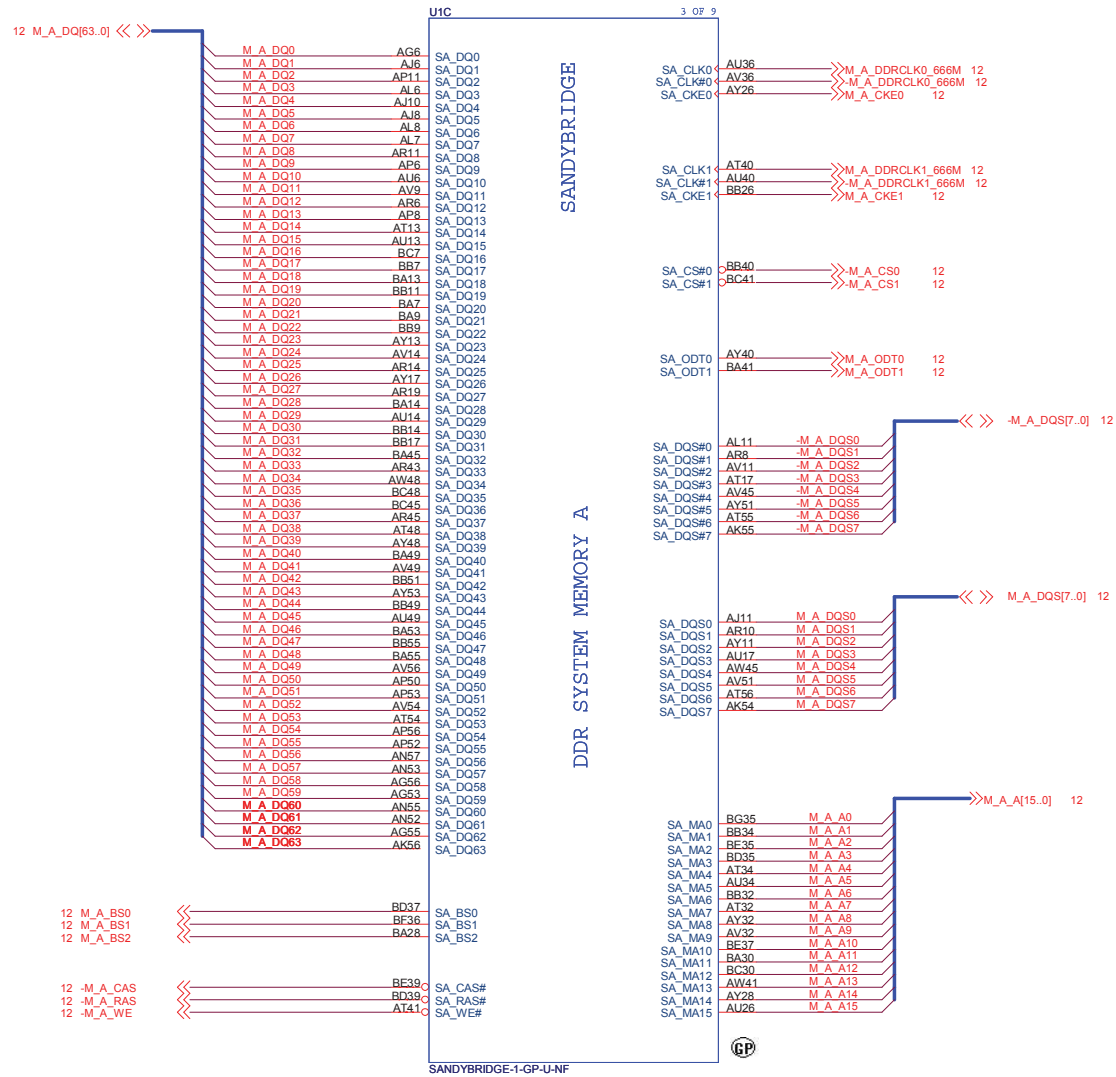
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緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title **CPU(2/8):CLK/MISC/JTAG**

Size A3 Document Number **Dasher-1** Rev **SD**

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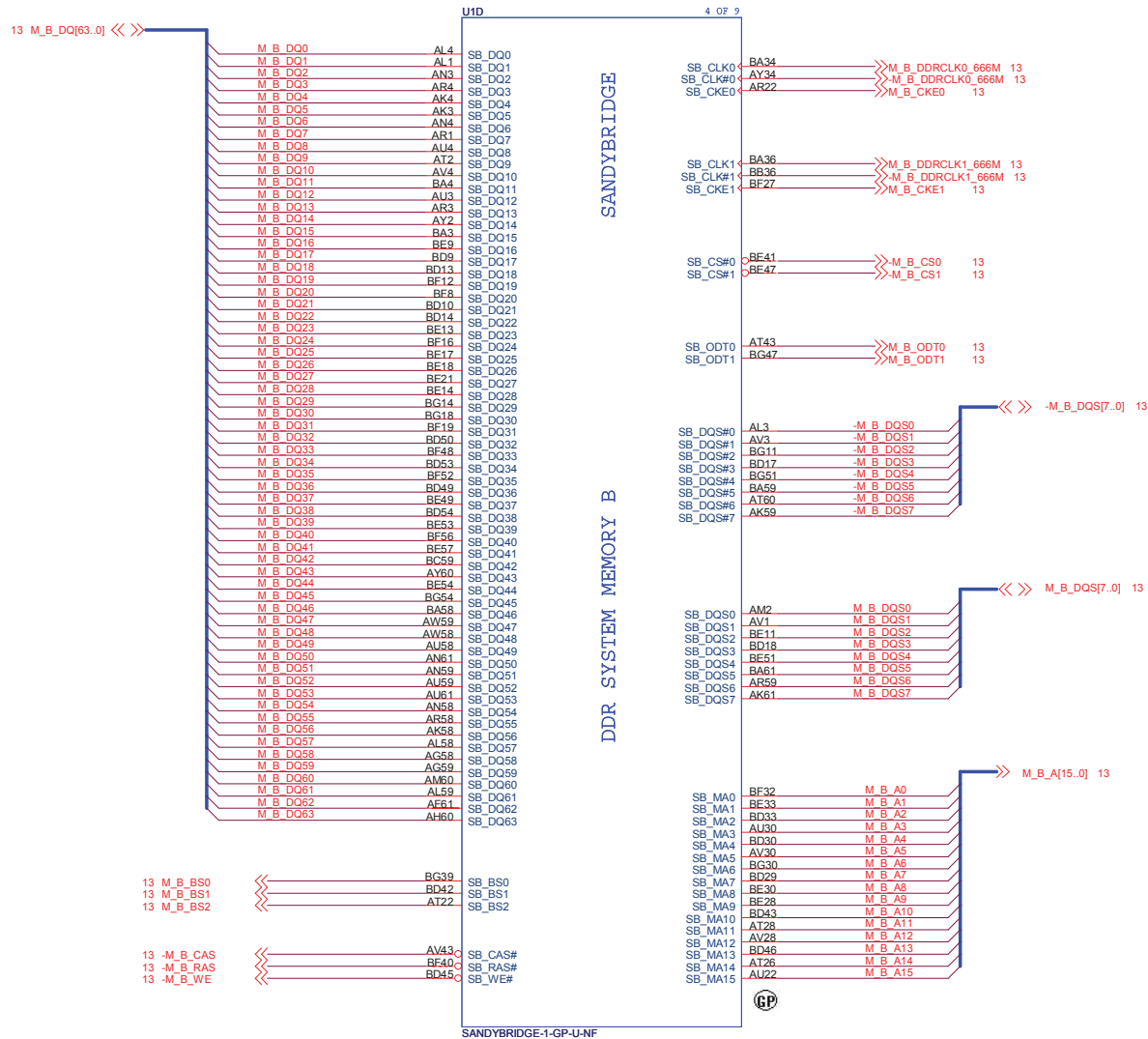
緯創資通

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

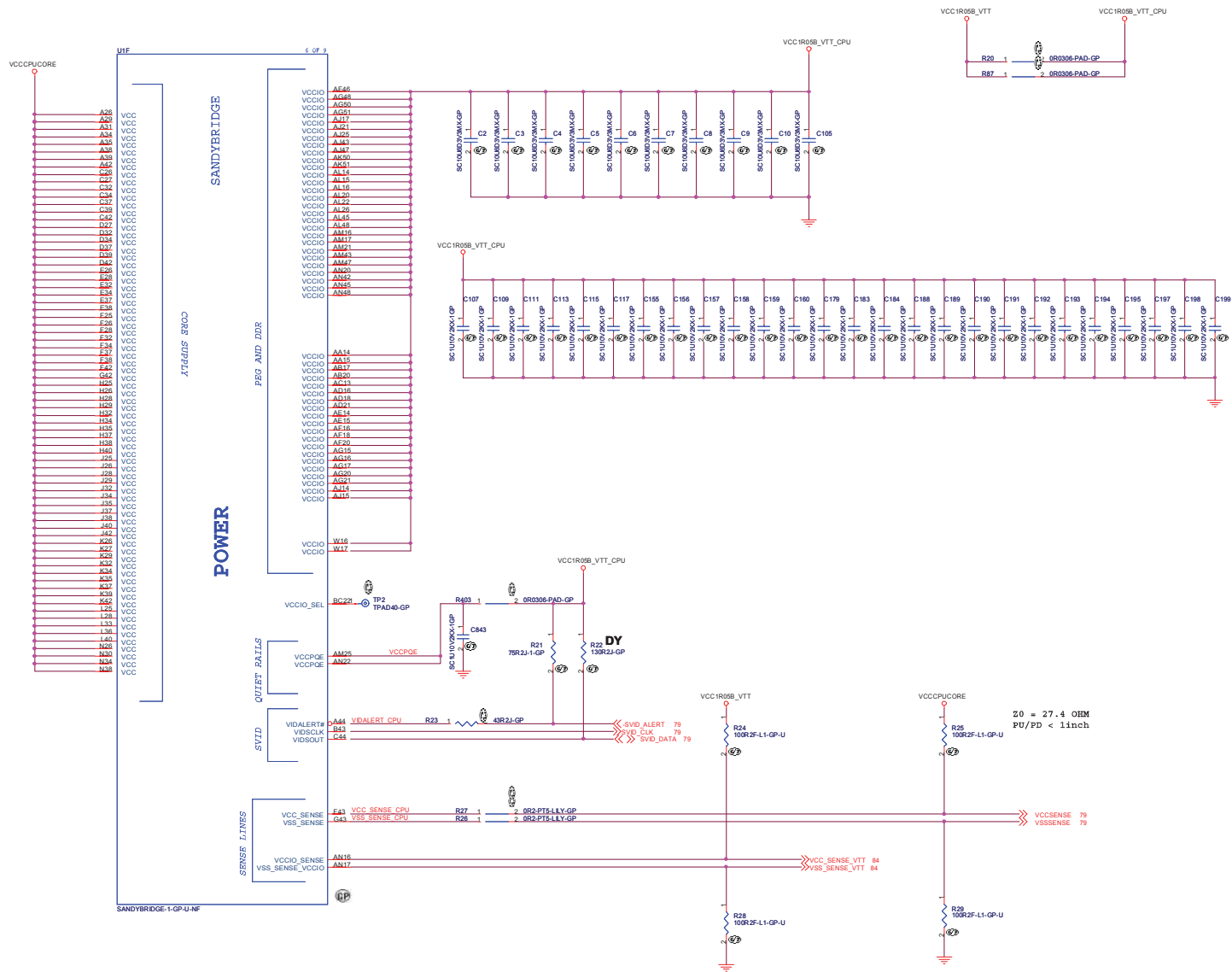
Title
CPU(3/8):DDR3 Channel-A

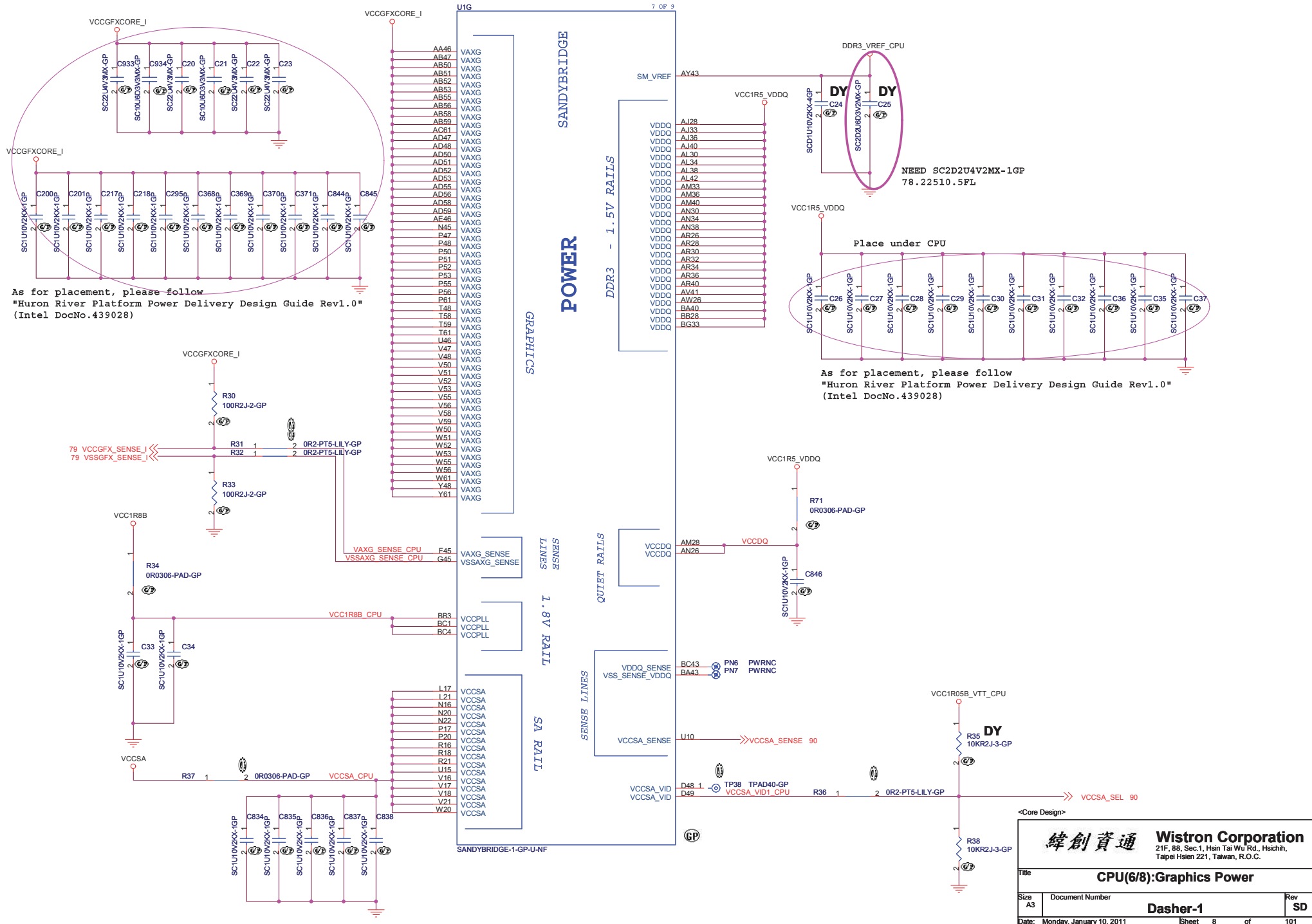
Size A3	Document Number Dasher-1	Rev SD
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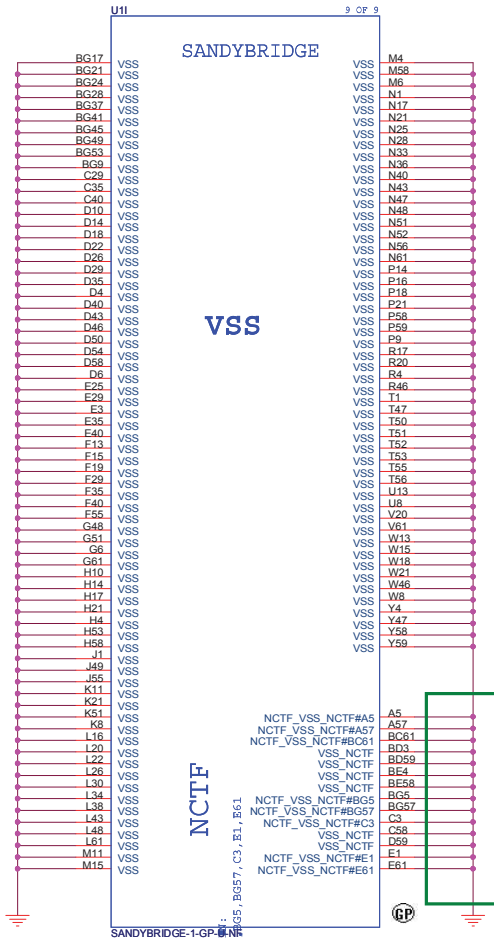
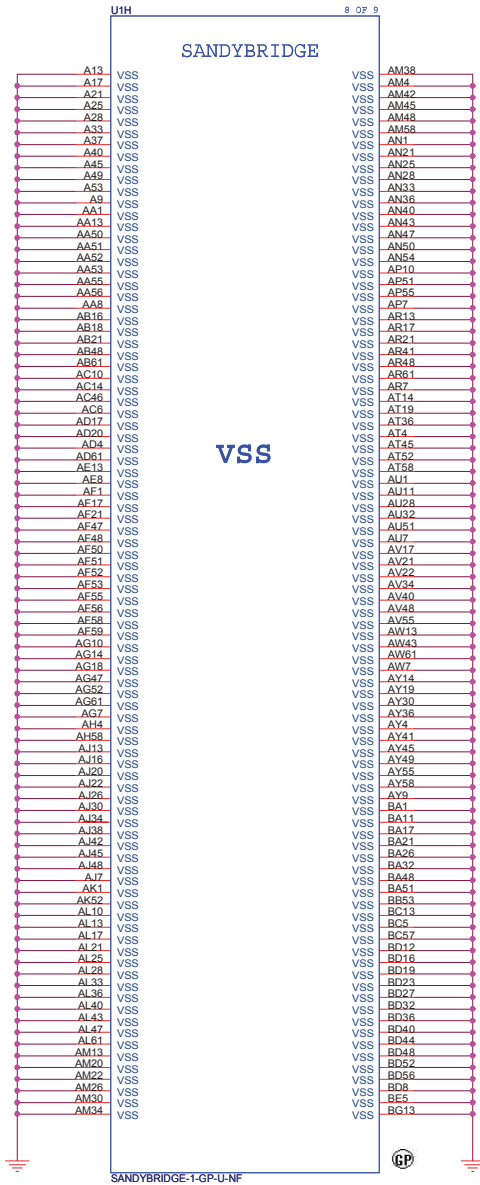
Date: Monday, January 10, 2011 Sheet 5 of 101



<Core Design>







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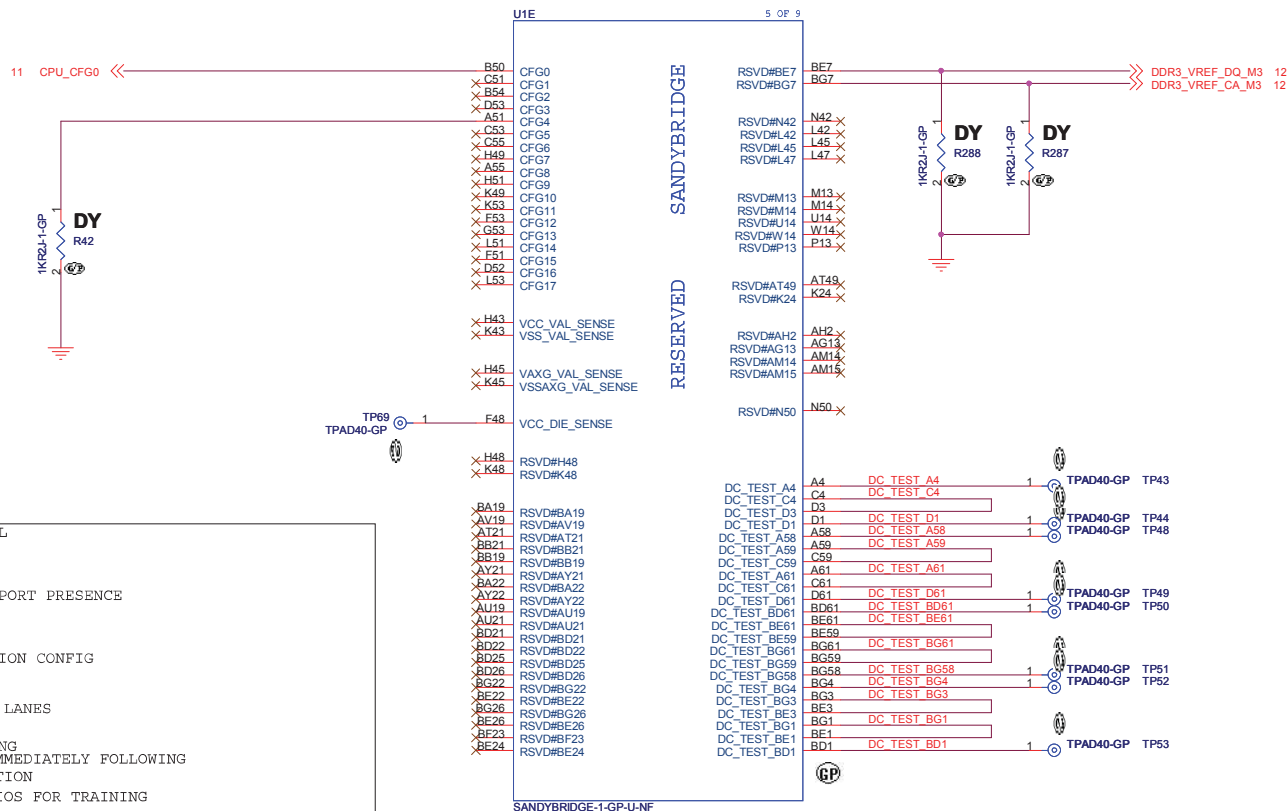
緯創資通		Wistron Corporation	
21F, 88, Sec. 1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.			
Title			
CPU(7/8):GND			
Size Custom	Document Number Dasher-1	Rev SD	
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CFG2 PEG LANE REVERSAL
 1 NO-ASM : NORMAL
 0 ASM : REVERSE

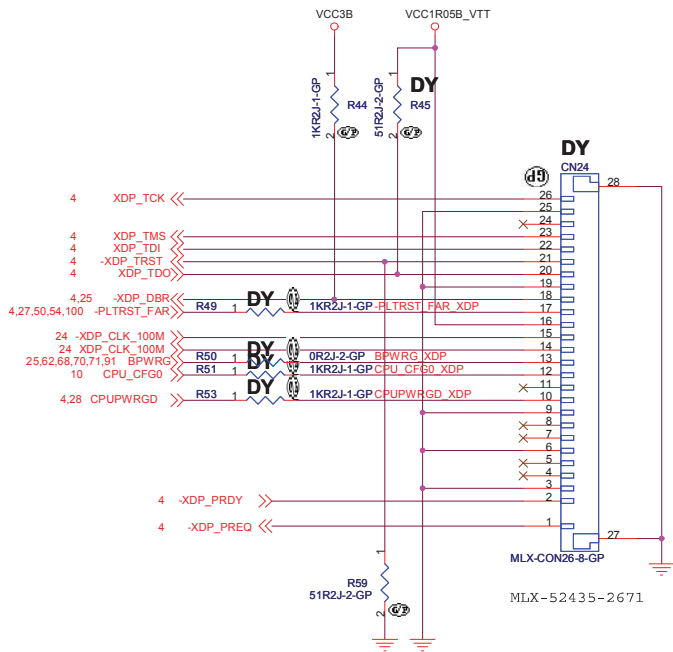
CFG4 Embedded DISPLAY PORT PRESENCE
 1 NO-ASM : DISABLE
 0 ASM : ENABLE

CFG[6:5] PEG BIFURCATION CONFIG
 11 SINGLE 16 LANES
 10 2x8 LANES
 01 RESERVED
 00 8 LANES AND 2x4 LANES

CFG7 PEG DEFER TRAINING
 1 NO_ASM : TRAIN IMMEDIATELY FOLLOWING
 XXRESETB DEASSERTION
 0 ASM : WAIT FOR BIOS FOR TRAINING



<Core Design>

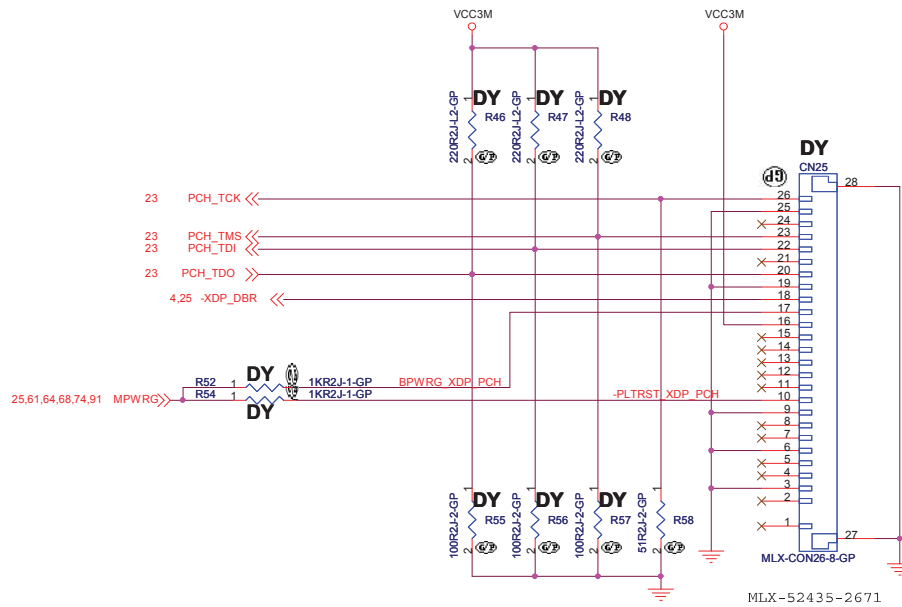


DEBUG Interface for Processor.

XDP1

		ENABLE	DISABLE
TDO	R45	ASM	DY
TRST#	R59	ASM	ASM
DBRST#	R44	ASM	ASM
RESET#	R49	ASM	DY
CFG0	R51	ASM	DY
PWRGD	R53	ASM	DY
BPWRG	R50	ASM	DY
	CN24	ASM	DY

SIT Logic



DEBUG Interface for PCH.

XDP2

		ENABLE	DISABLE
TDO	R46	220	DY
	R55	100	DY
TMS	R48	220	DY
	R57	100	DY
TDI	R47	220	DY
	R56	100	DY
TCK	R58	51	51
MPWRG	R52	ASM	DY
	R54	ASM	DY
	CN25	ASM	DY

SIT Logic

<Core Design>

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

Title

XDP Connector

Size
A3

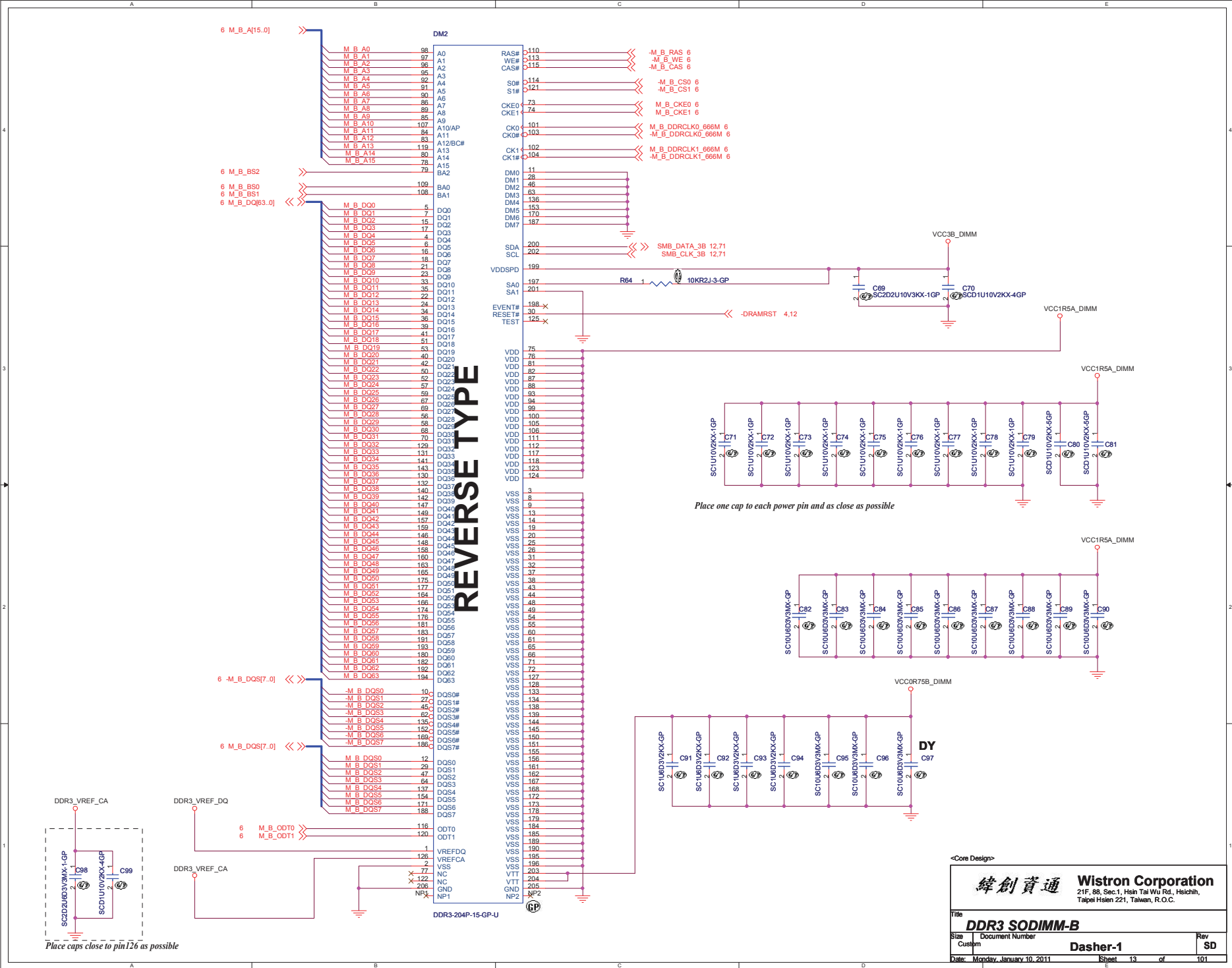
Document Number

Dasher-1

Rev
SD

Date: Monday, January 10, 2011

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緯創資通

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Title

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A3

Document Number

Dasher-1

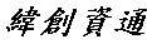
Rev
SD

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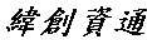
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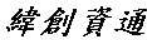
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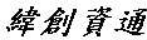
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Taipei Hsien 221, Taiwan, R.O.C.

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Document Number

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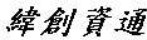
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SD

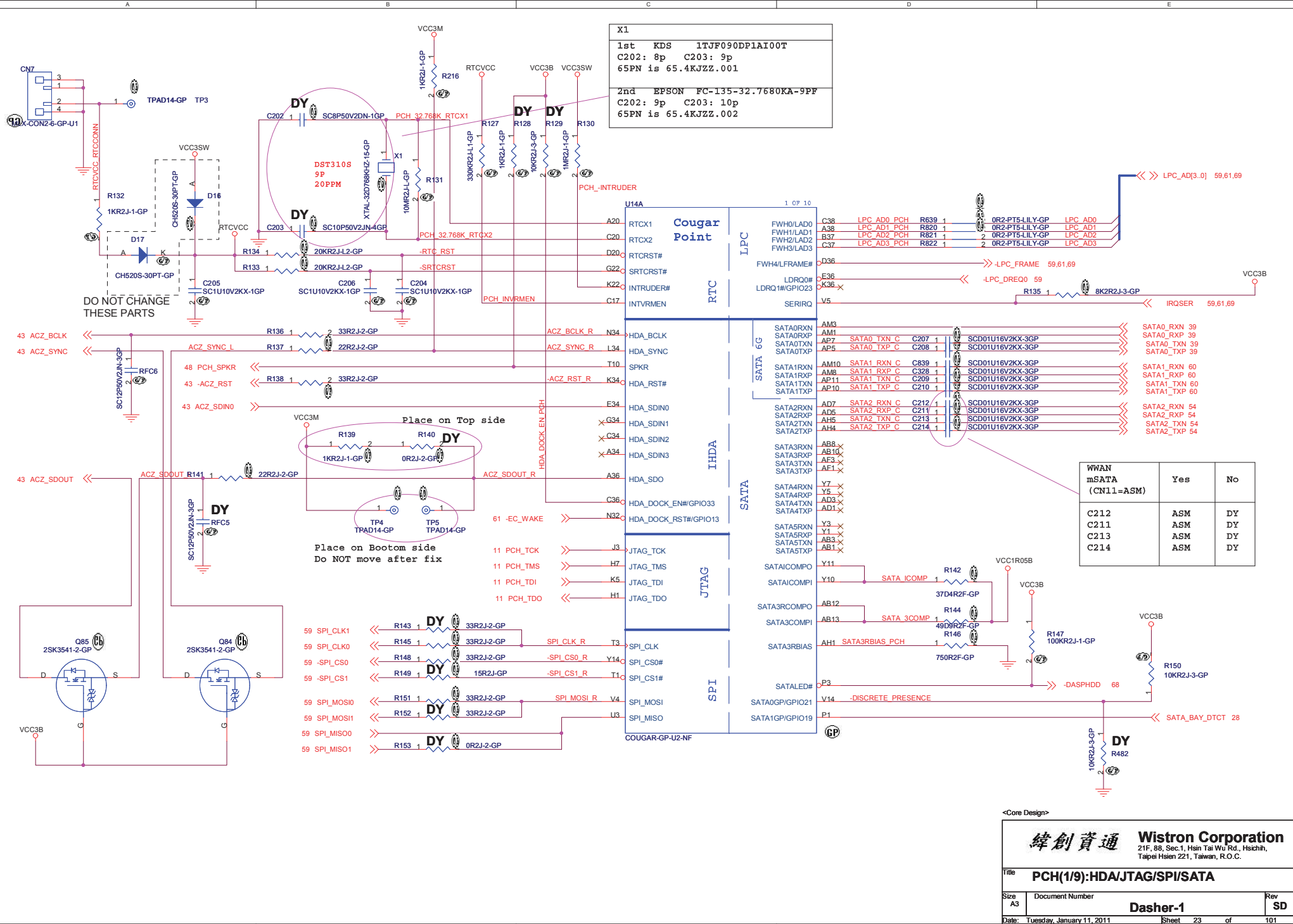
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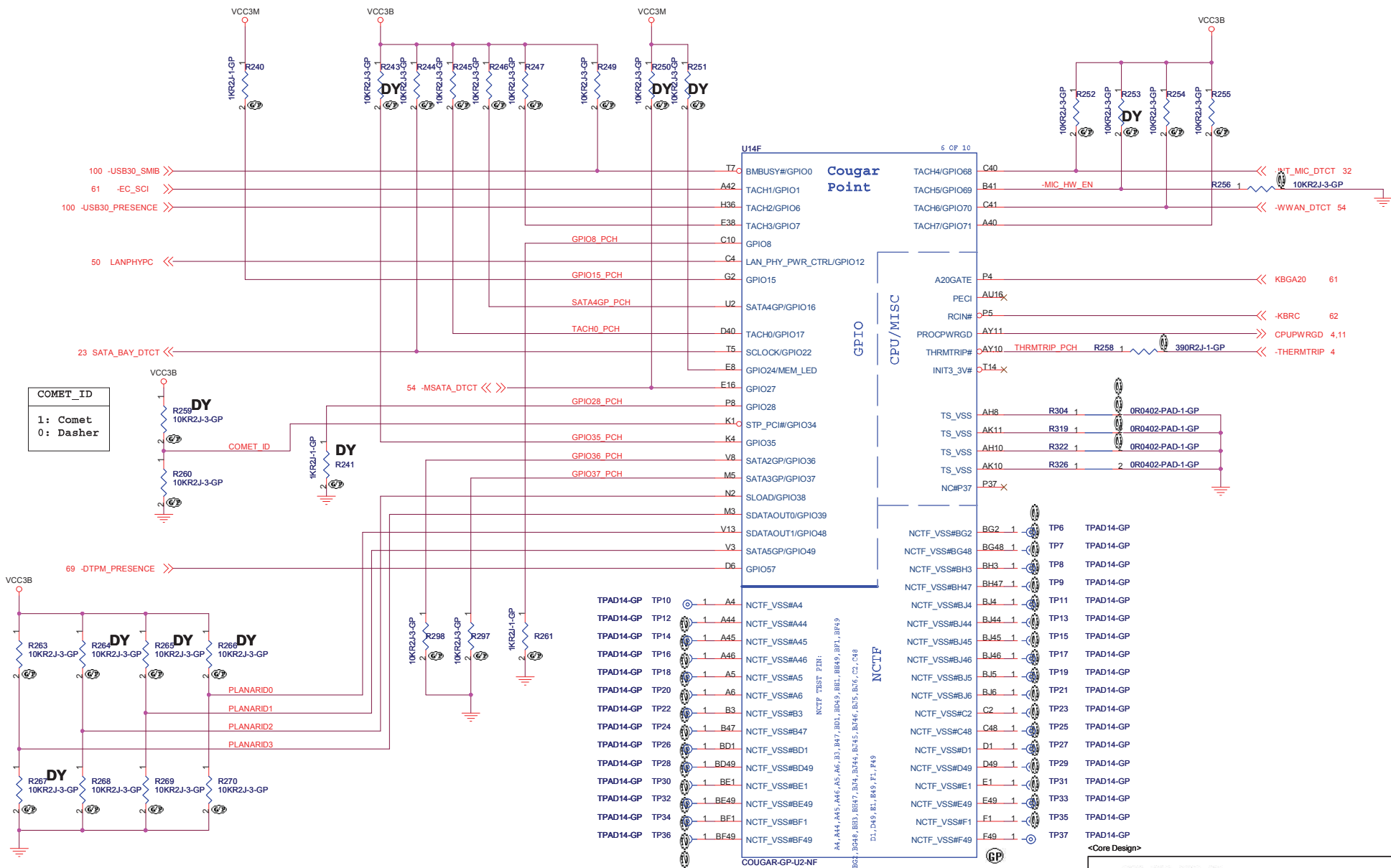
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X1	
1st	KDS 1TJF090DF1A100T
C202:	8p C203: 9p
65PN	is 65.4KJZZ.001
2nd	
Epson FC-135-32.7680KA-9PF	
C202:	9p C203: 10p
65PN	is 65.4KJZZ.002

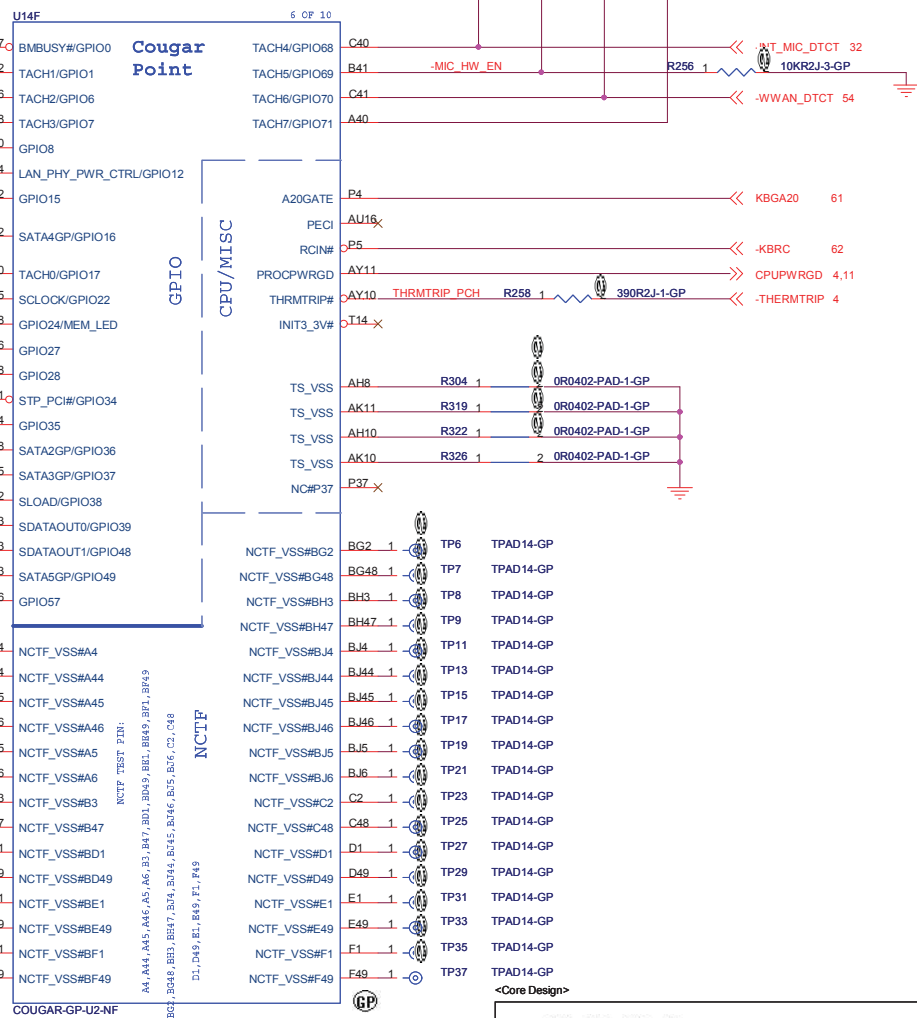
WWAN mSATA (CN11=ASM)	Yes	No
C212	ASM	DY
C211	ASM	DY
C213	ASM	DY
C214	ASM	DY

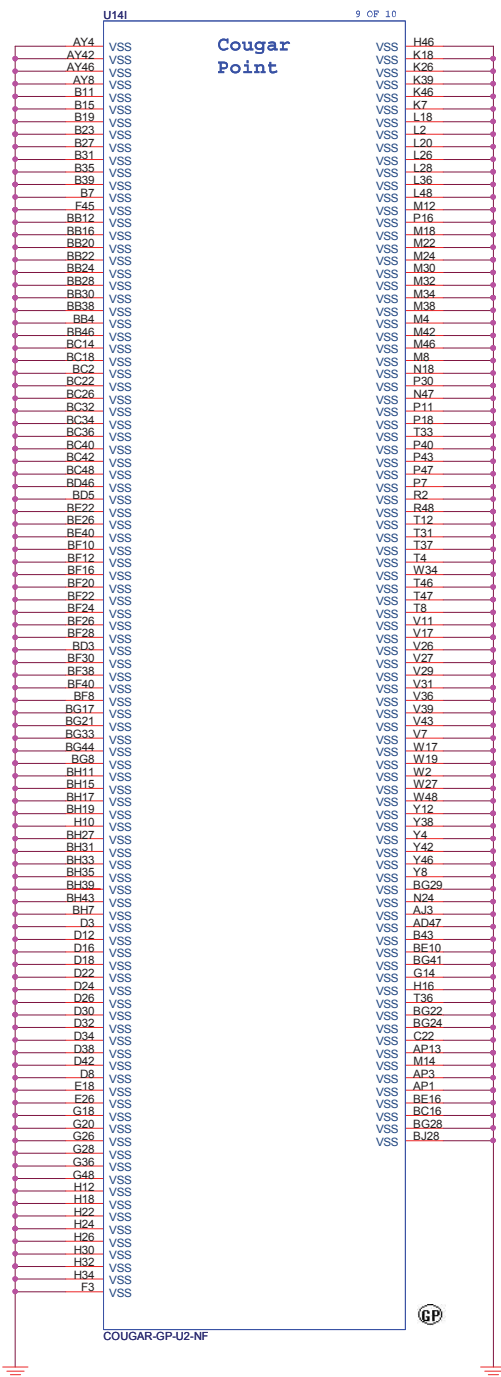
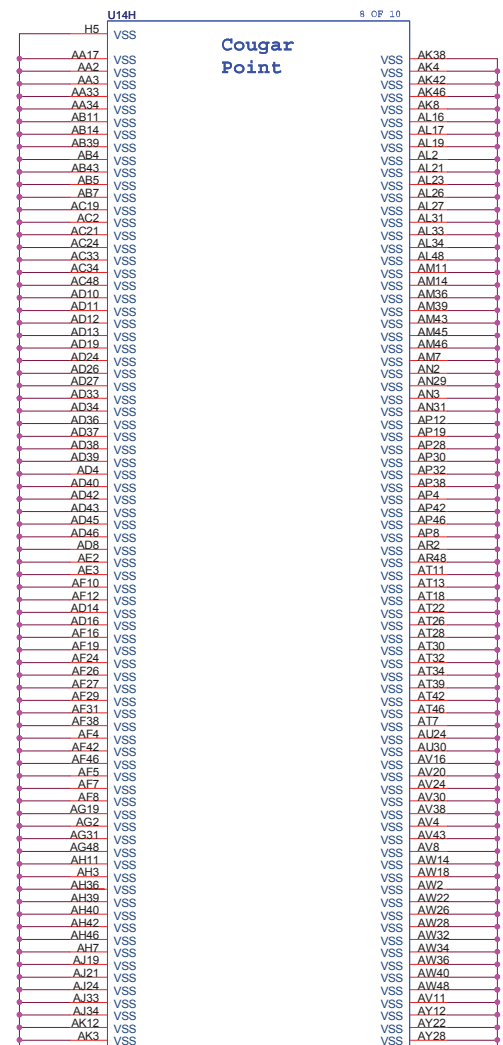
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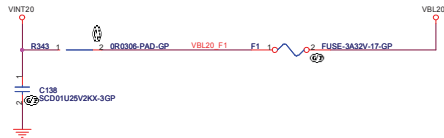


COMET_ID
1: Comet
0: Dasher

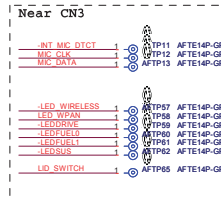
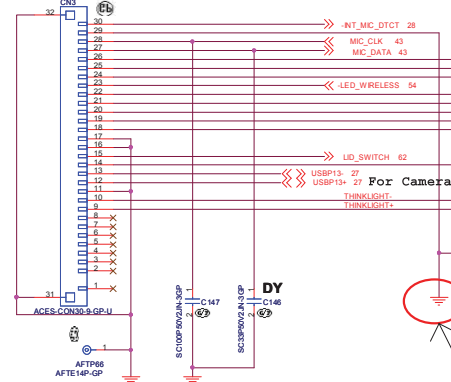
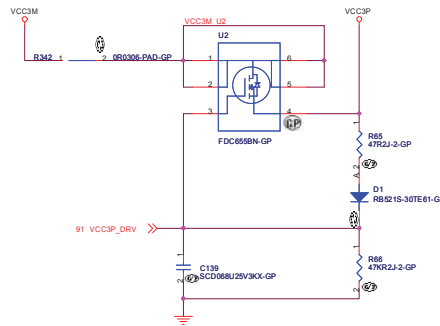
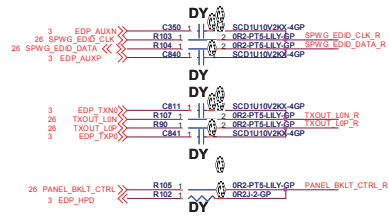
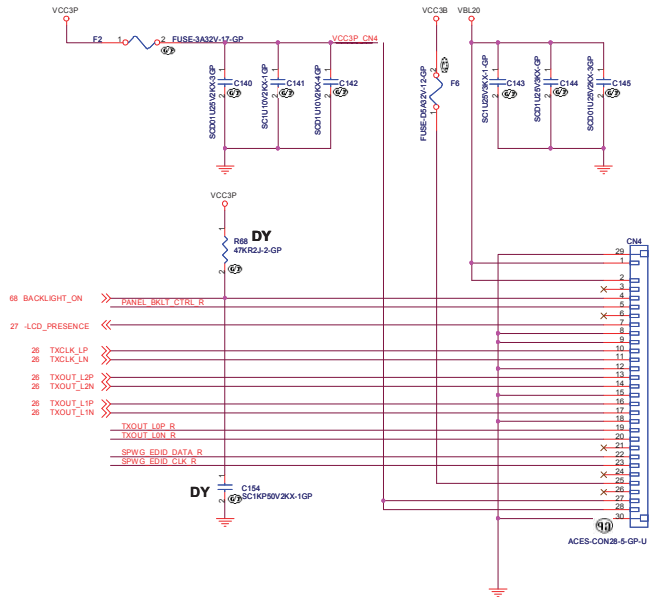
PLANAR ID: 1000 for SVT



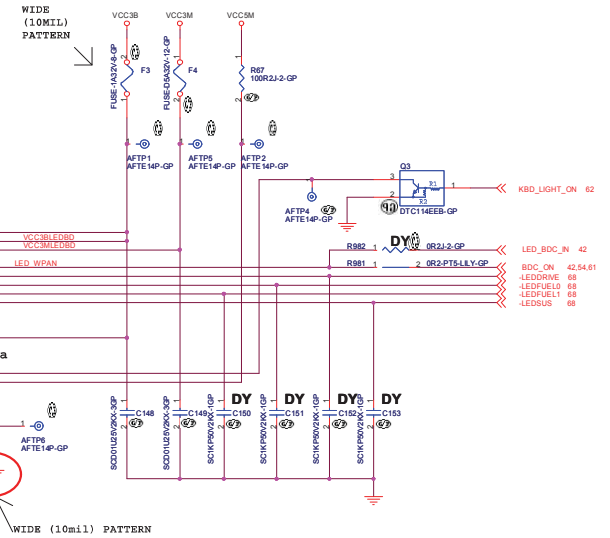




LCD Connector



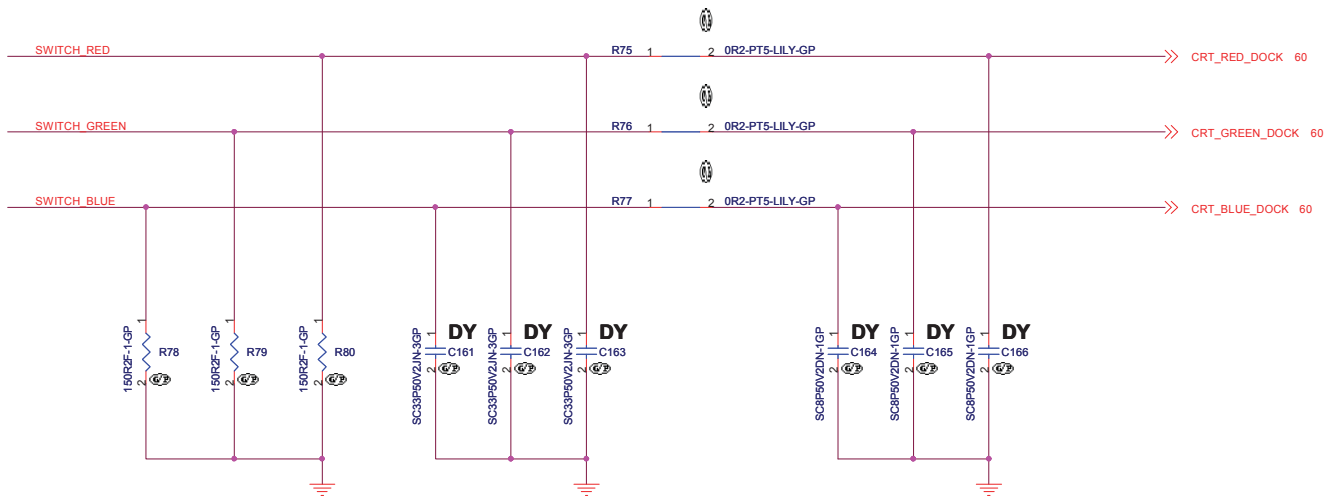
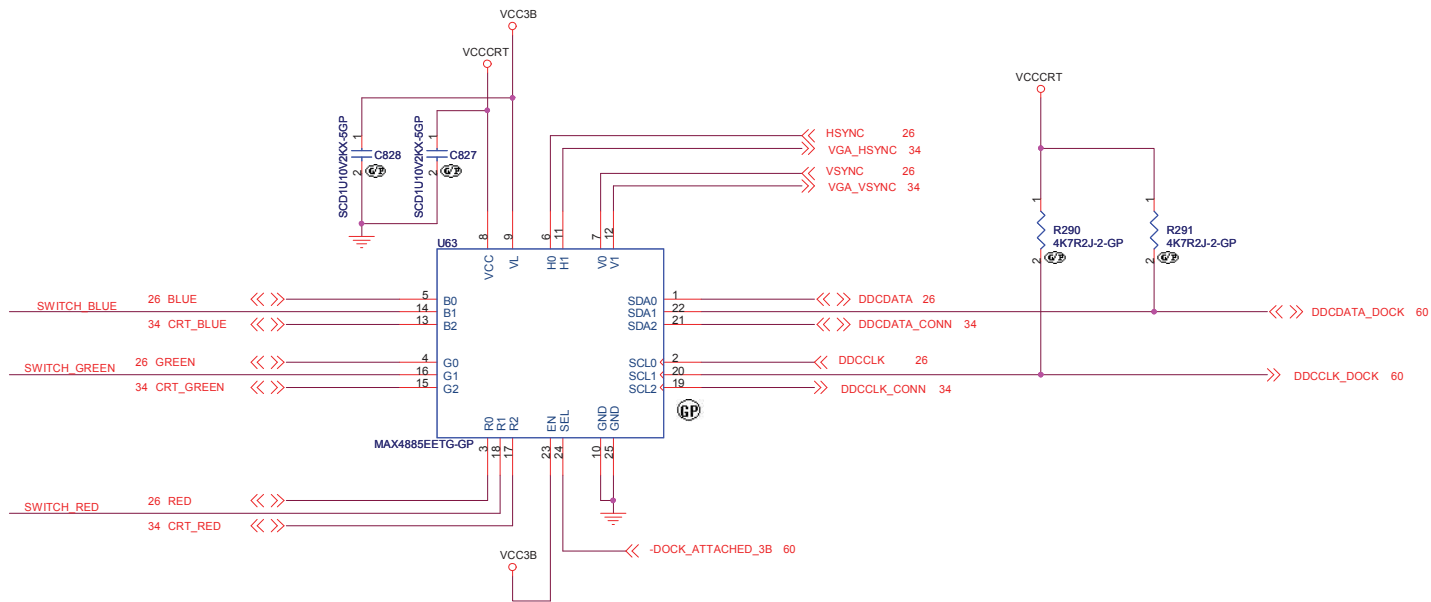
PolySW



<Core Design>

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21F, 88, Sec.1, Hsin Tai Wu Rd., Hsinchu,
Taipei Hsien 301, Taiwan, R.O.C.

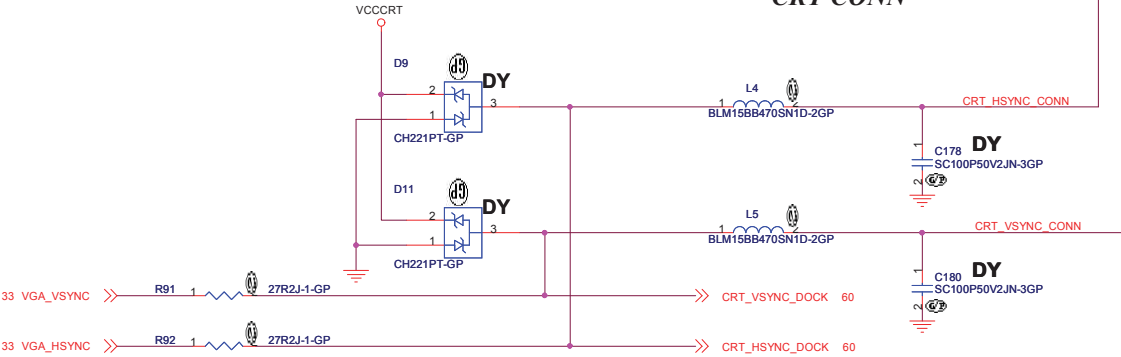
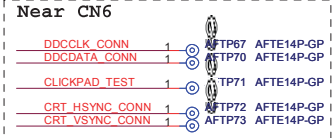
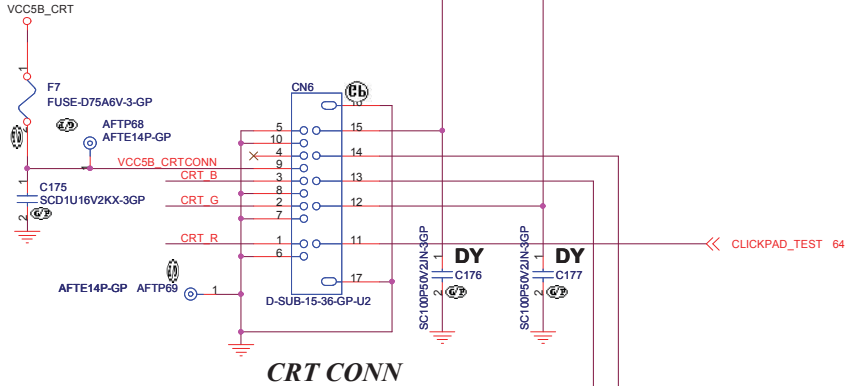
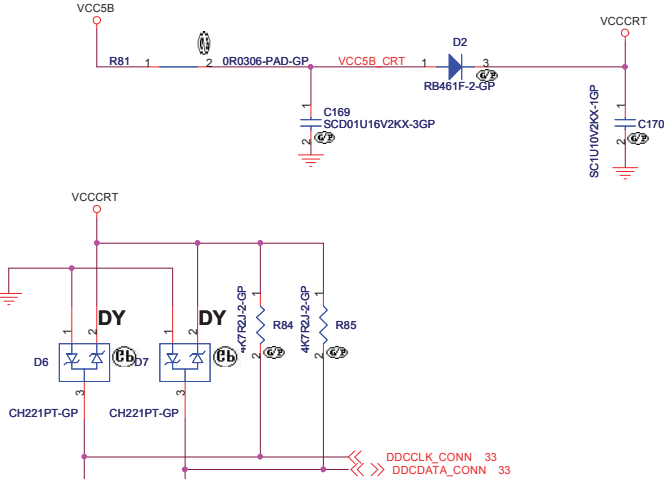
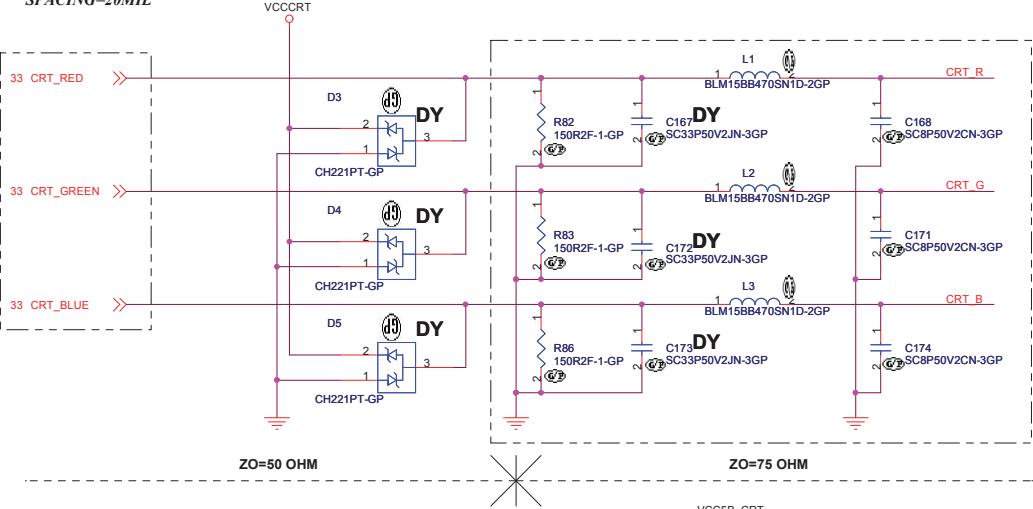
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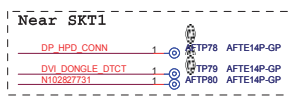
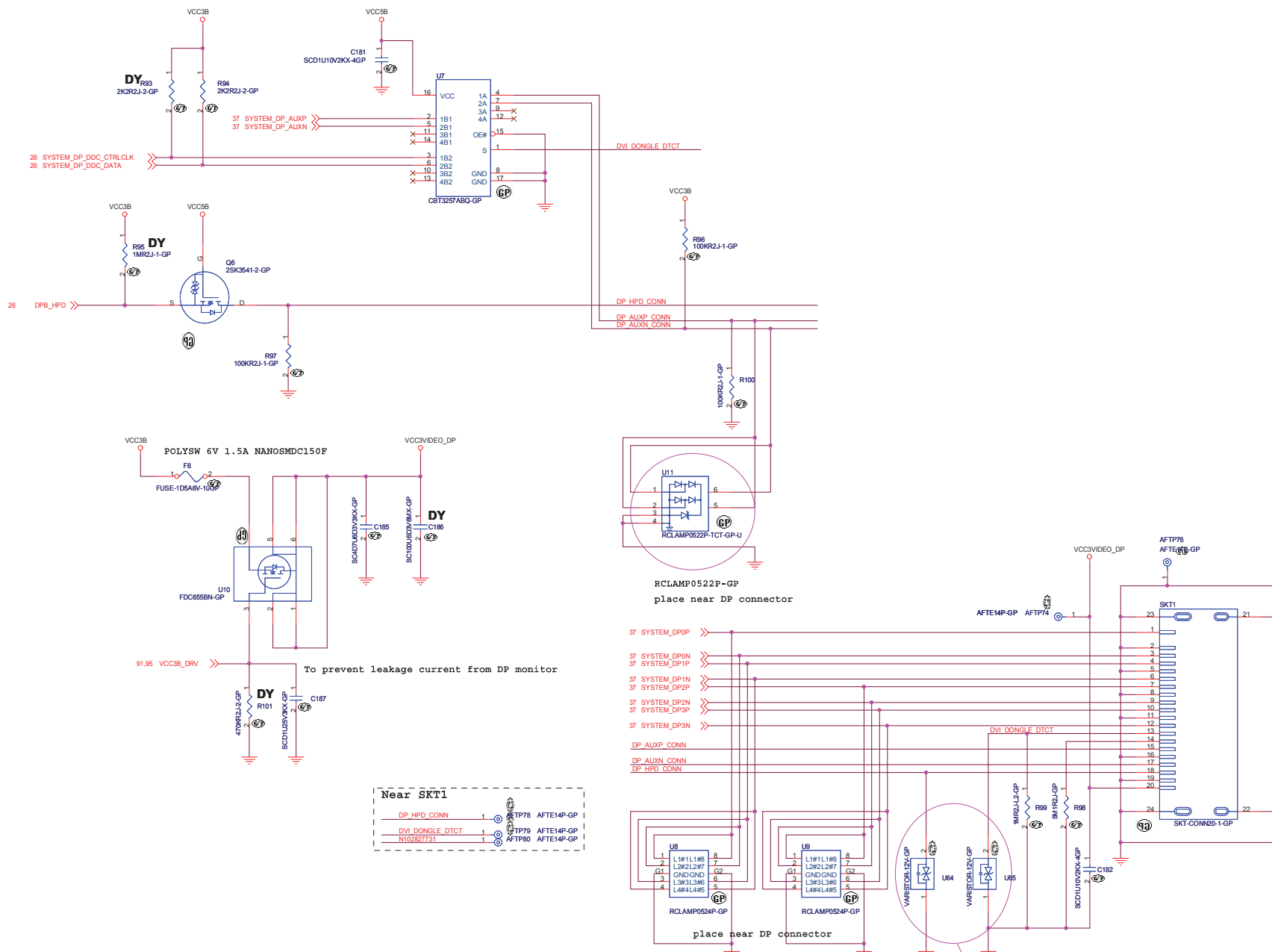
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Title		
CRT SELECTOR		
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GND GUARDING
EACH SIGNAL WIDTH DEPENDS ON ZO(TRACE IMPEDANCE)
SPACING=20MIL



<Core Design>



RCLAMP0522P-GP
place near DP connector

place near DP connector

place near DP connector
U64, U65 AVR-M1608C120MT6A

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

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Document Number

Dasher-1

Rev
SD

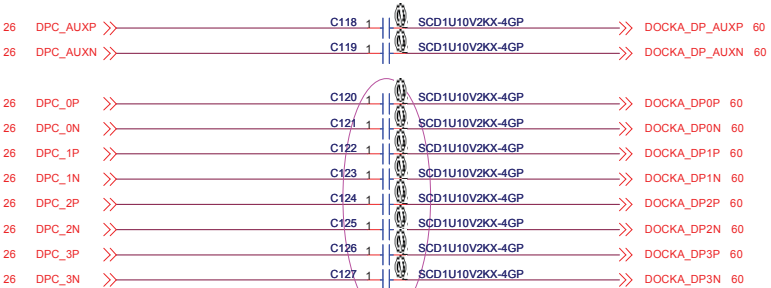
Date: Monday, January 10, 2011

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System DP Connector



Docking DP Connector A



Place Near Docking Connector

Docking DP Connector B

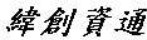


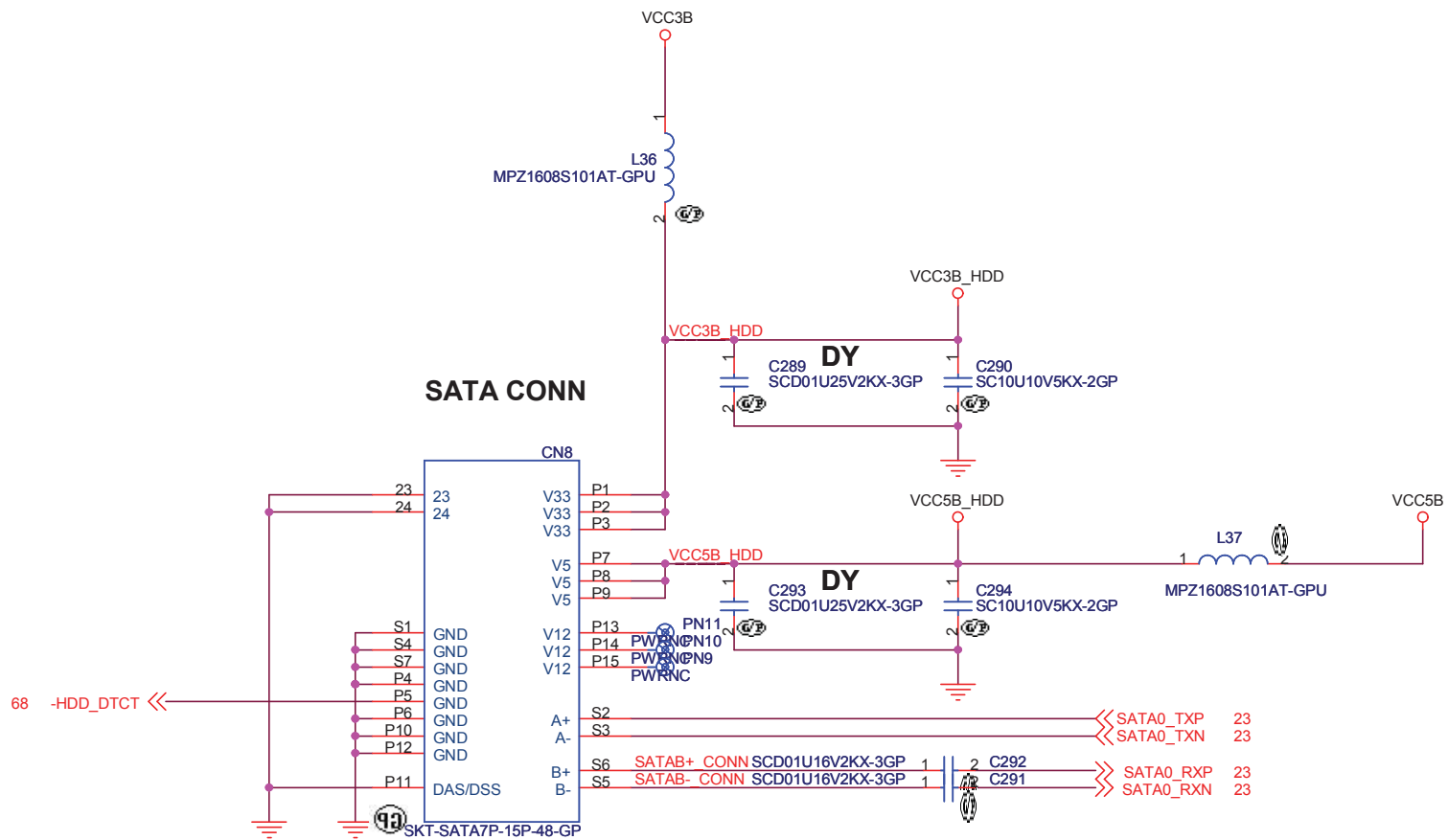
Place Near Docking Connector

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Title

SATA Connector

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A4

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

Title

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Size

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Document Number

Dasher-1

Rev

SD

Date: Monday, January 10, 2011

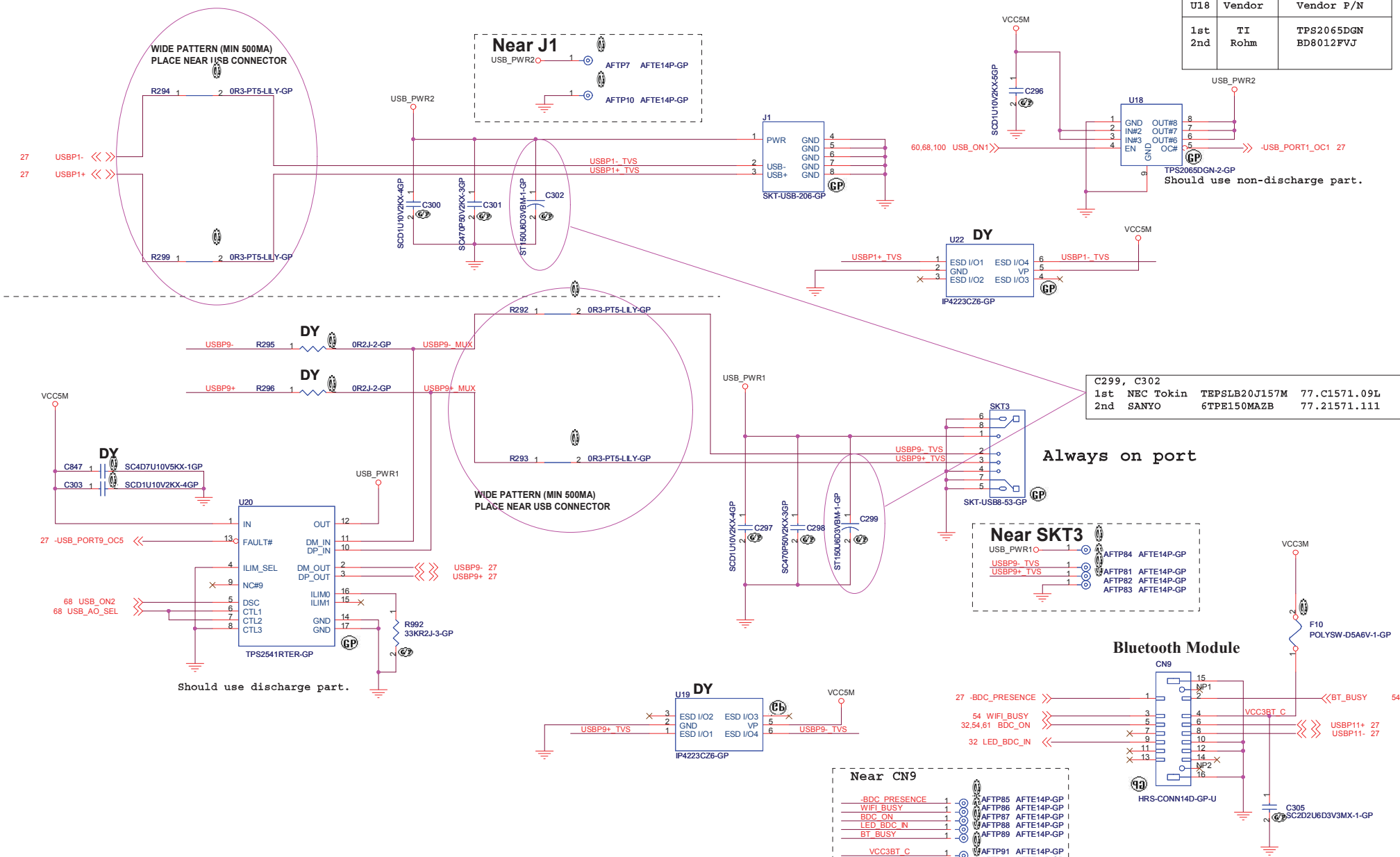
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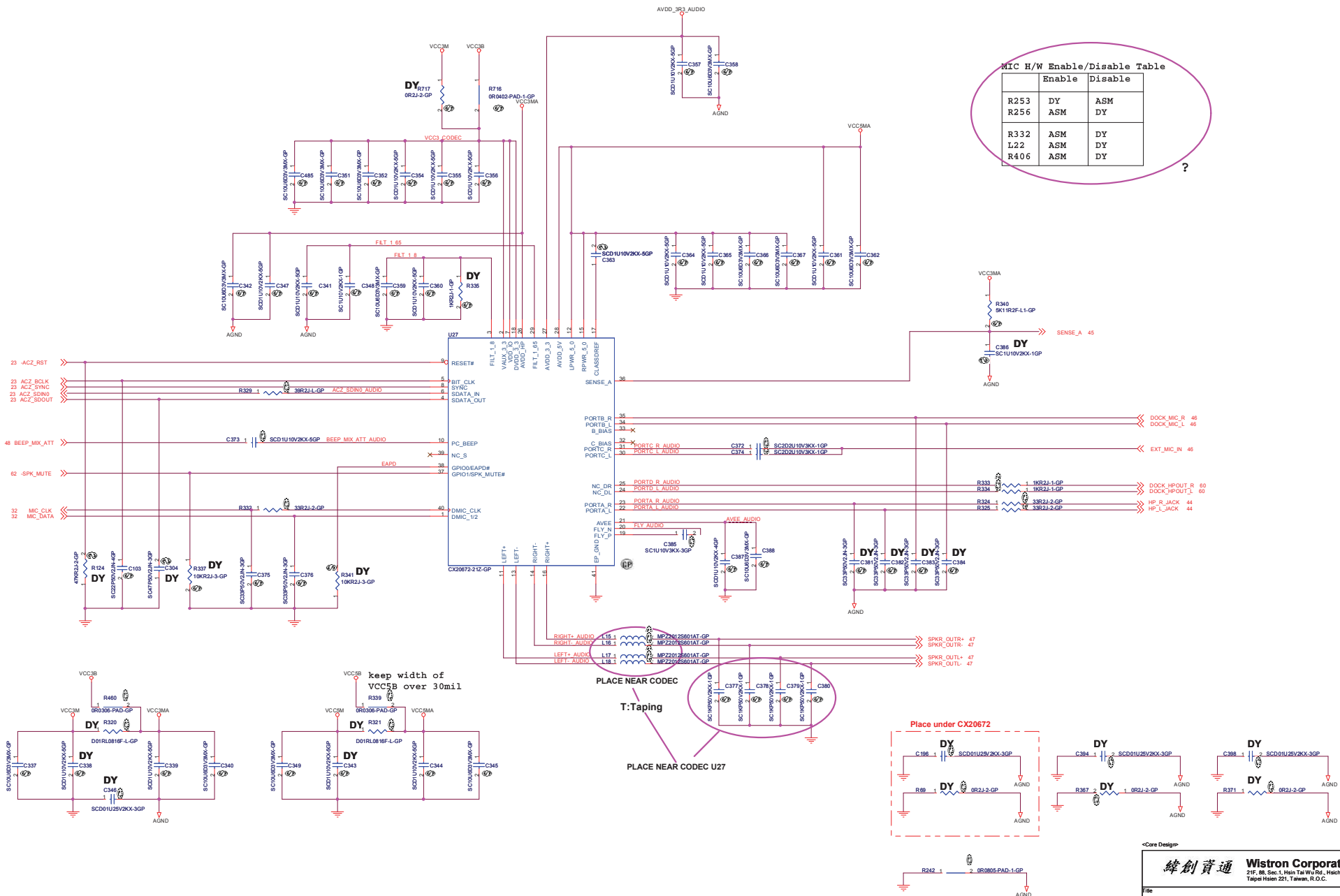
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21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.			
Title			
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U18	Vendor	Vendor P/N
1st	TI	TPS2065DGN
2nd	Rohm	BD8012FVJ





MIC H/W Enable/Disable Table

	Enable	Disable
R253	DY	ASM
R256	ASM	DY
R332	ASM	DY
L22	ASM	DY
R406	ASM	DY

?

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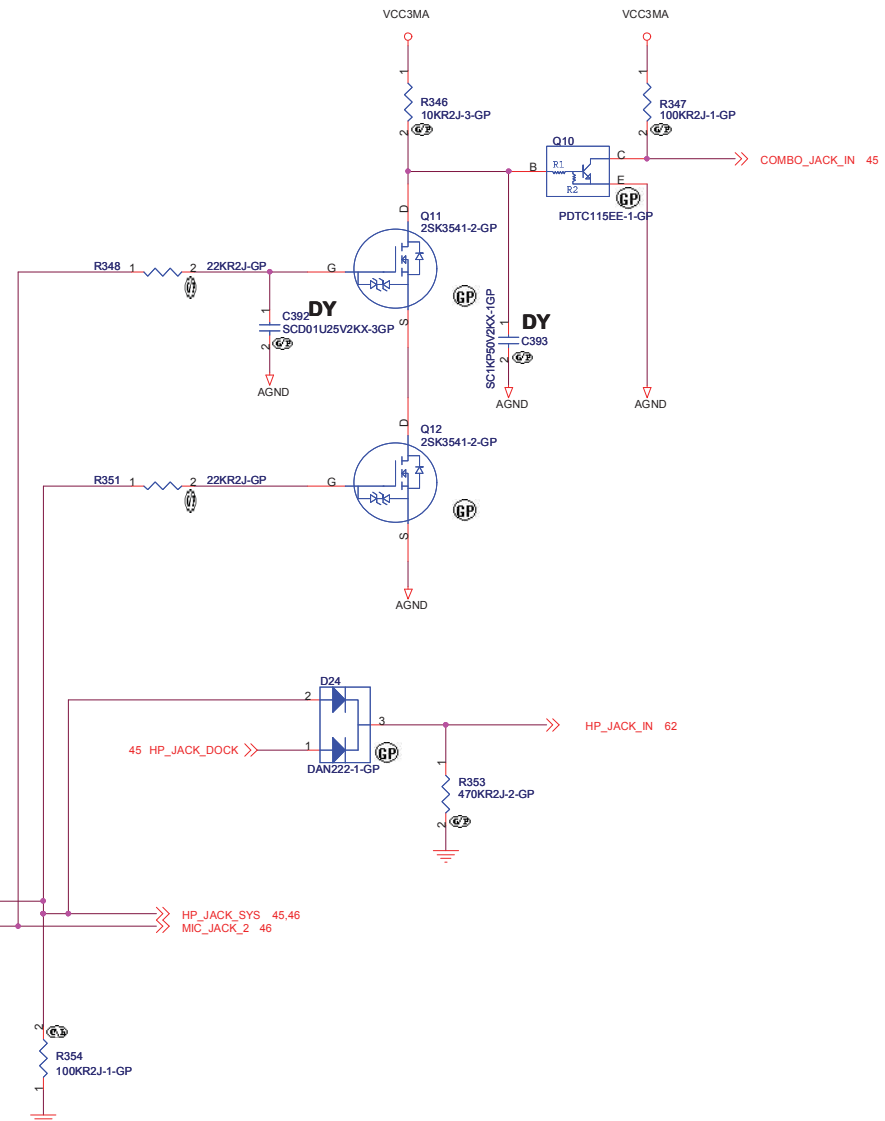
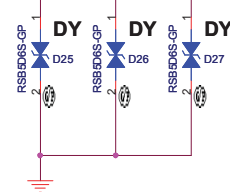
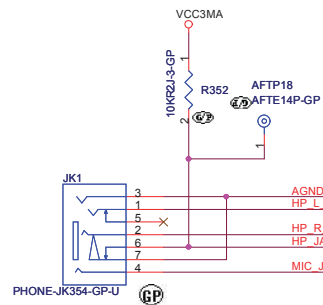
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21F, 88, Sec.1, Hsin Tai Wu Rd., Hsinchu, Taiwan, R.O.C.

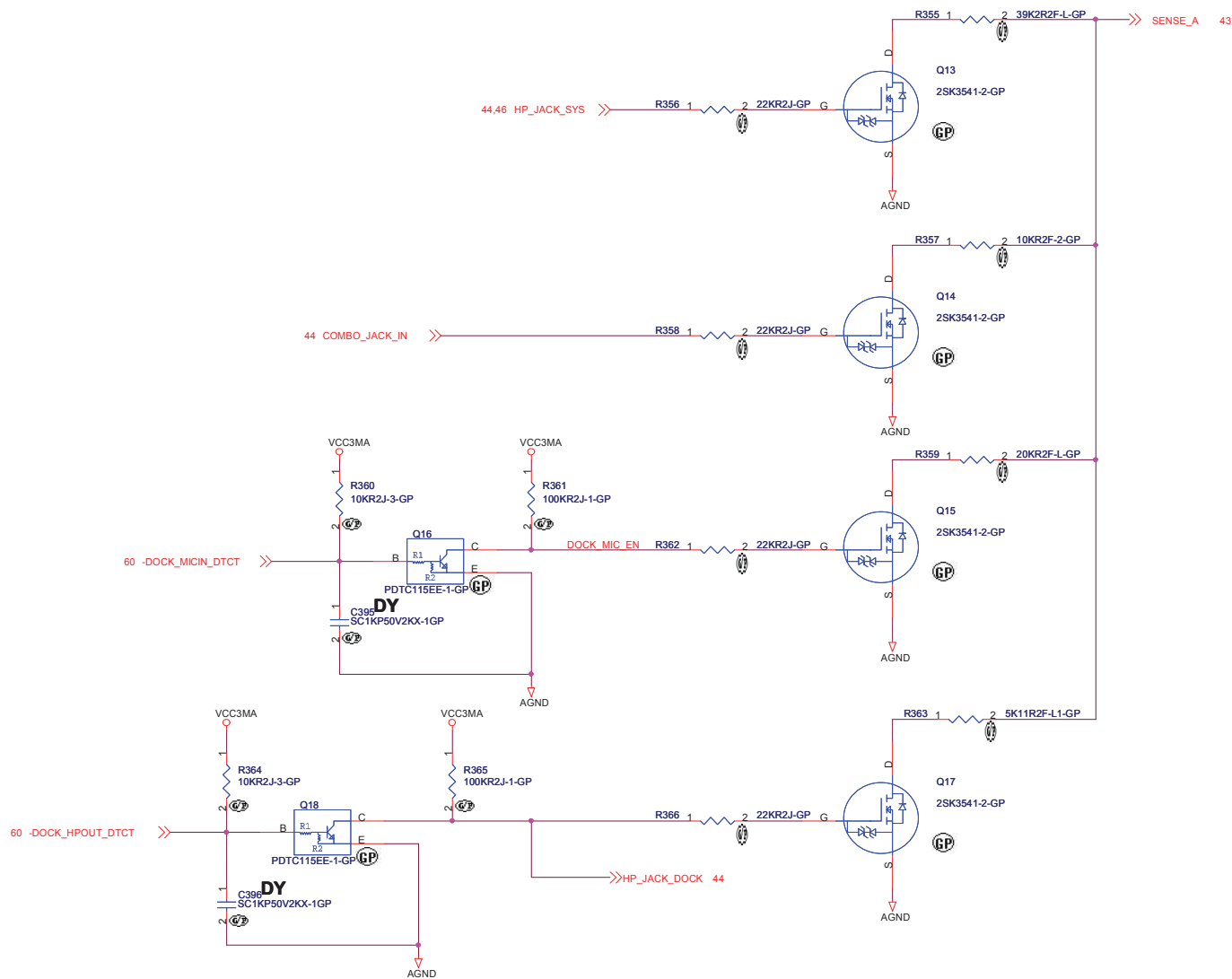
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Size A2
Document Number
Date: Monday, January 10, 2011
Rev
Dasher-1
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NEAR HEADPHONE CONN

WIDE PATTERN

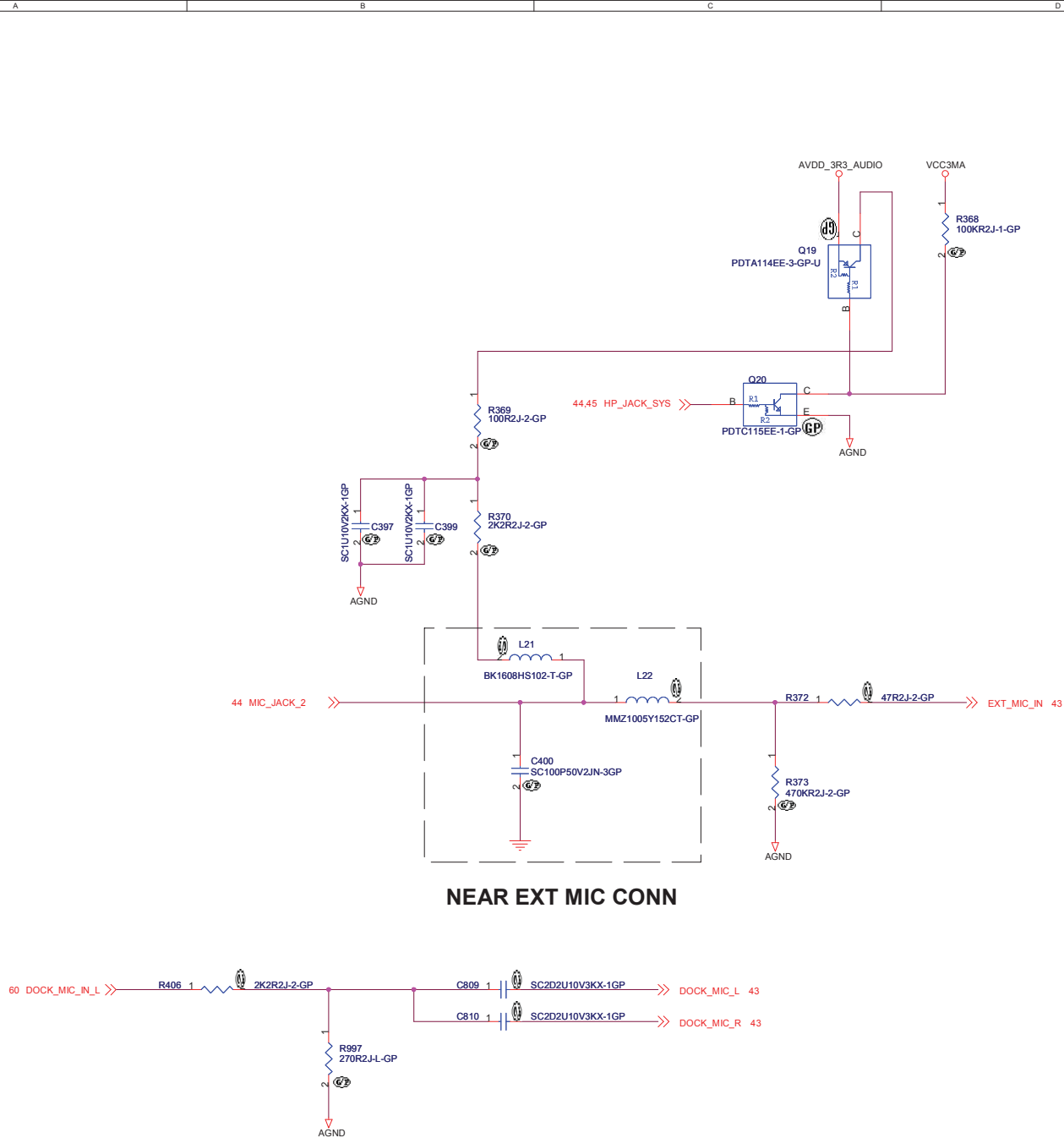
WIDE AND SHORT PATTERN





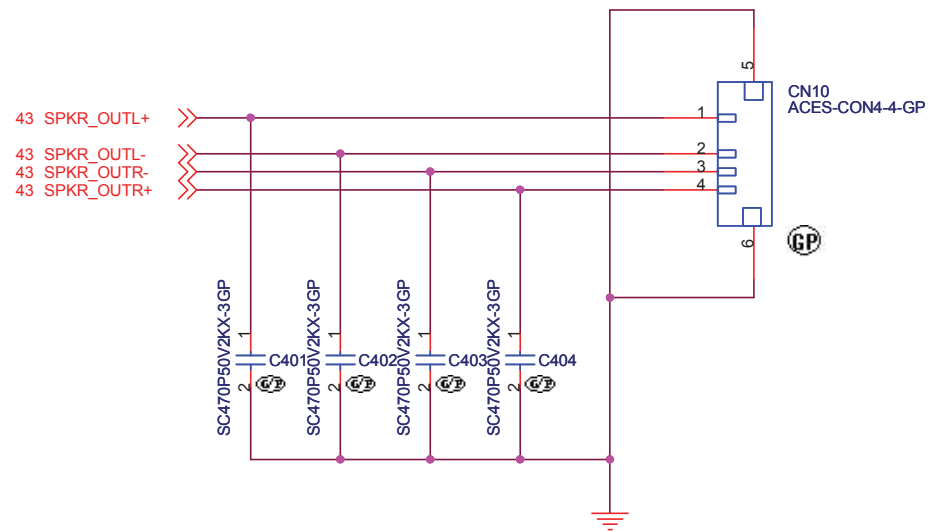
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Title			
Audio Jack Sense			
Size A3	Document Number		Rev SD
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<Core Design>

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Title		Audio Ext MIC I/F	
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Near CN10

SPKR_OUTL+	1	AFTP92	AFTE14P-GP
SPKR_OUTL-	1	AFTP93	AFTE14P-GP
SPKR_OUTR-	1	AFTP94	AFTE14P-GP
SPKR_OUTR+	1	AFTP95	AFTE14P-GP

<Core Design>

緯創資通

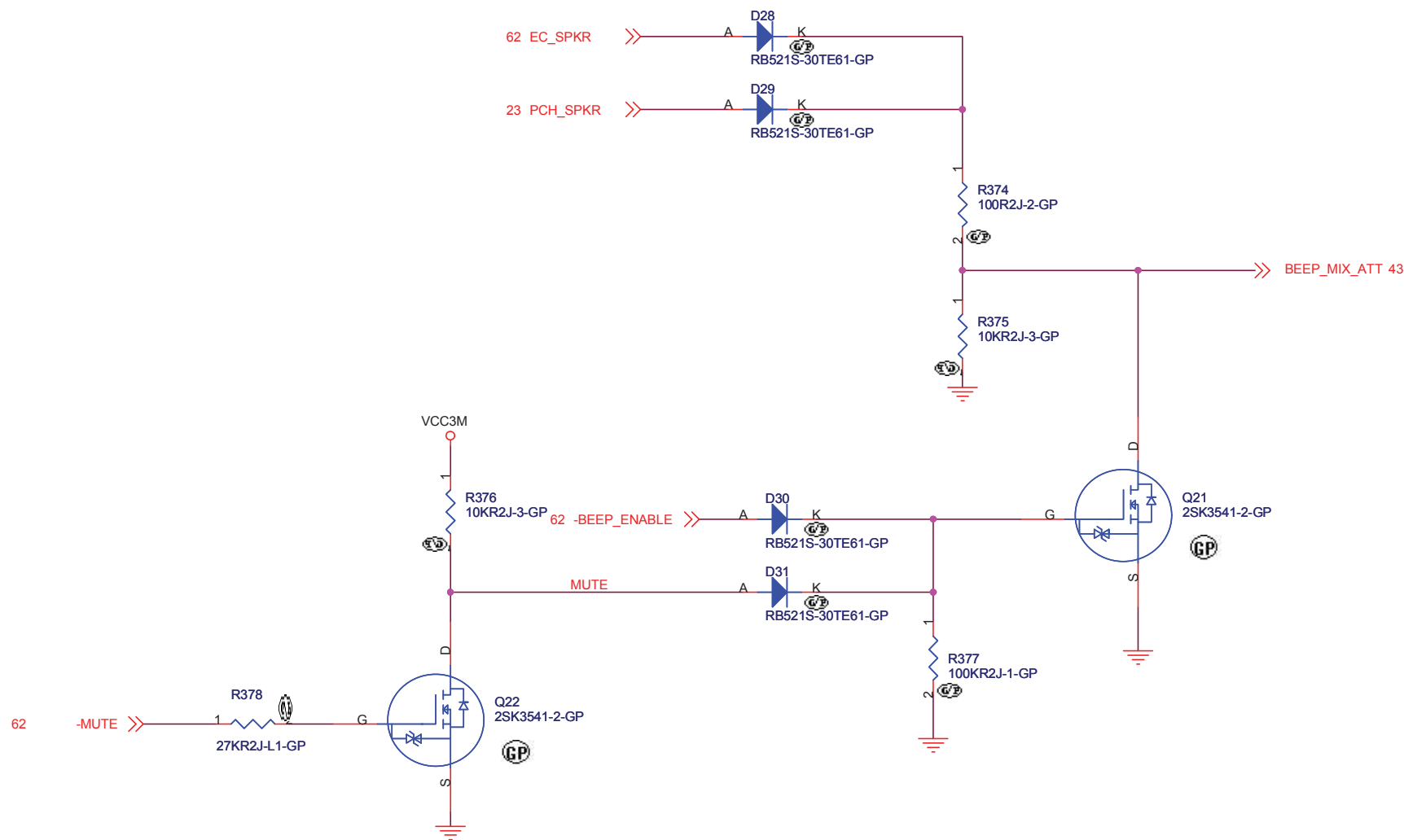
Wistron Corporation

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

Title **AUDIO SPEAKER**

Size A4	Document Number Dasher-1	Rev SD
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Date: Monday, January 10, 2011 Sheet 47 of 101

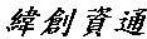


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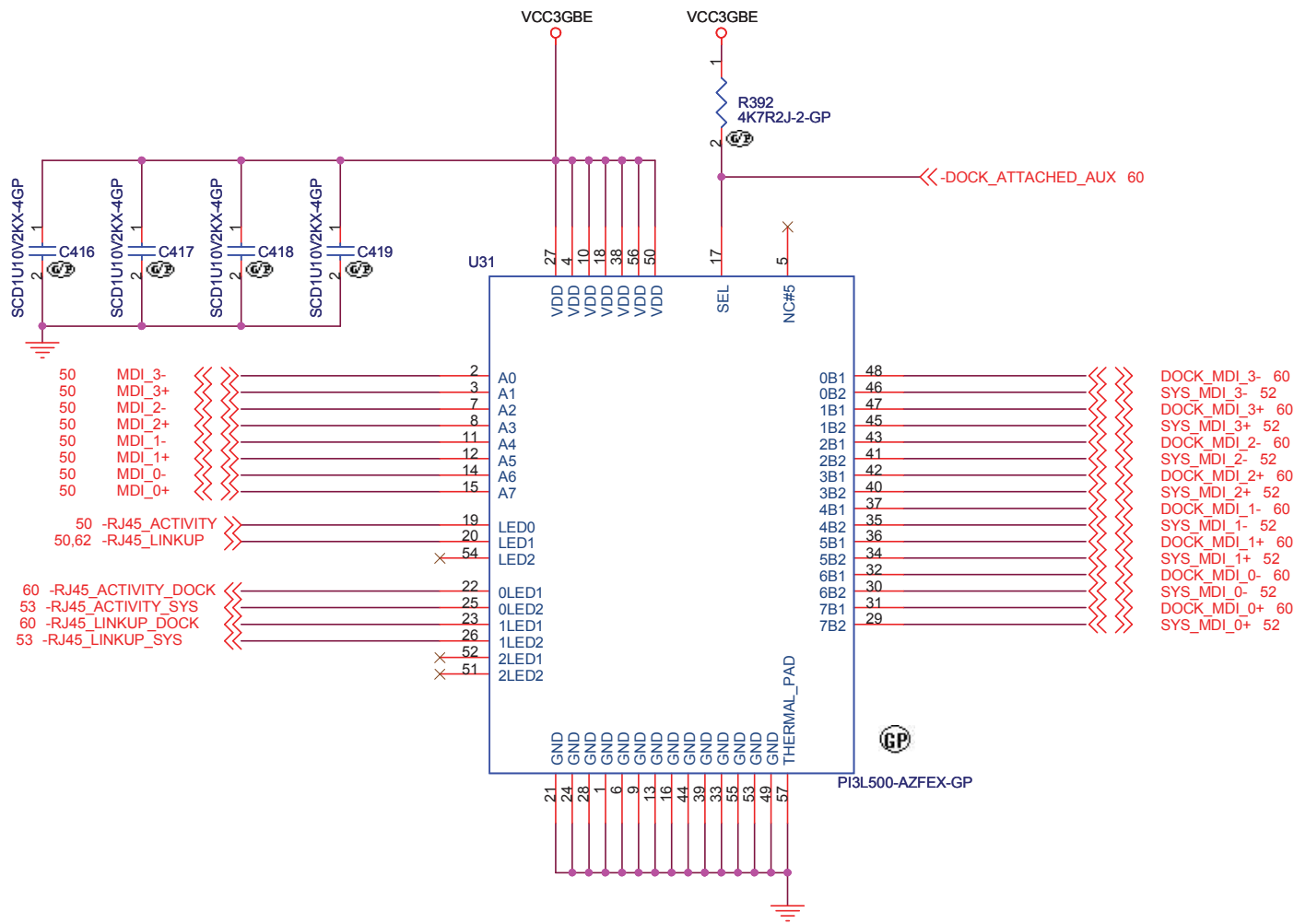
緯創資通		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
Audio BEEP			
Size A4	Document Number		Rev SD
		Dasher-1	
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<Core Design>

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Title BLANK			
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		Vendor P/N	Wistron P/N
1st	Pericom	PI3L500AZFEX	73.3L500.003
2nd	TI	TS3L500AERHUR	73.3L500.A0V
3rd	OnSemi	NS3L500	73.03500.003

<Core Design>

緯創資通

Wistron Corporation

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

Title

GBE LAN Switch

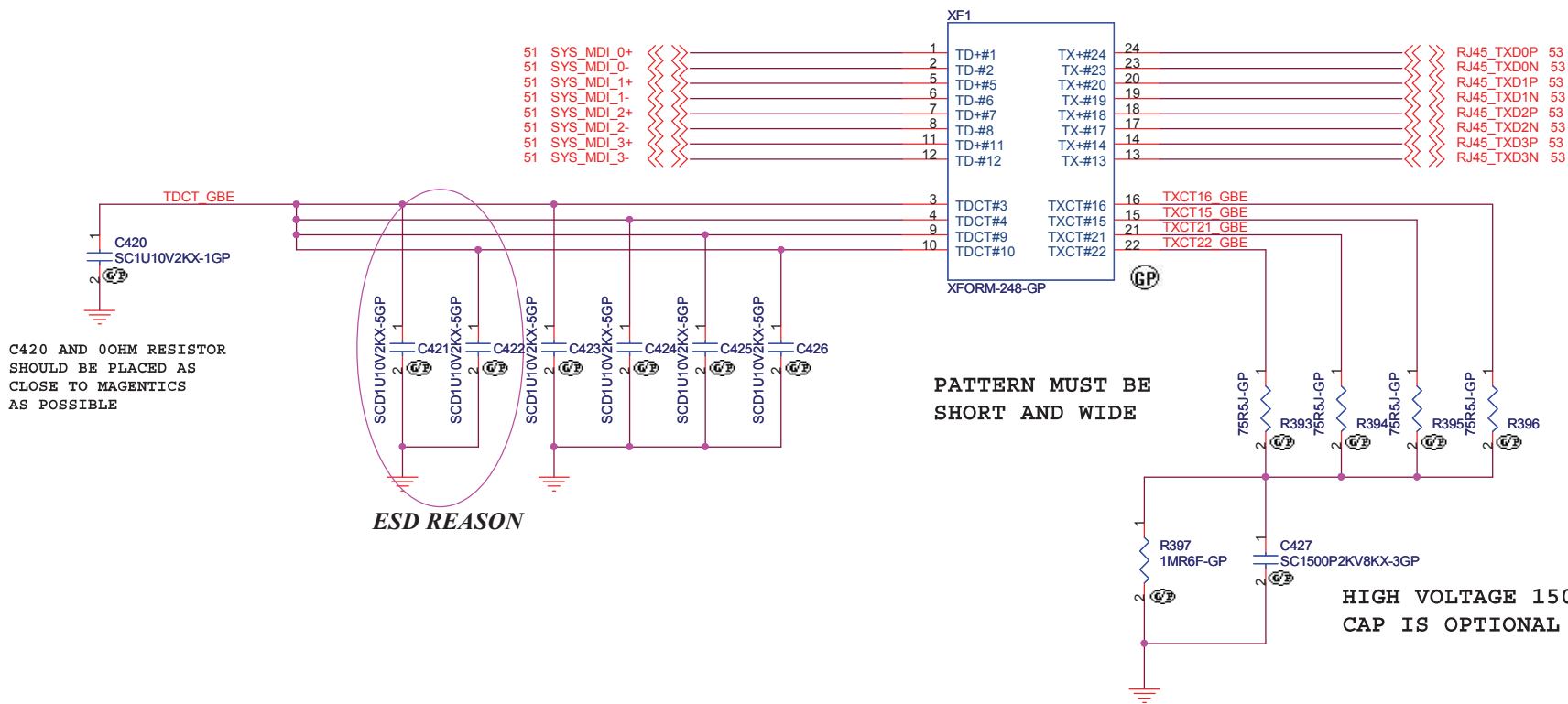
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Document Number

Rev SD

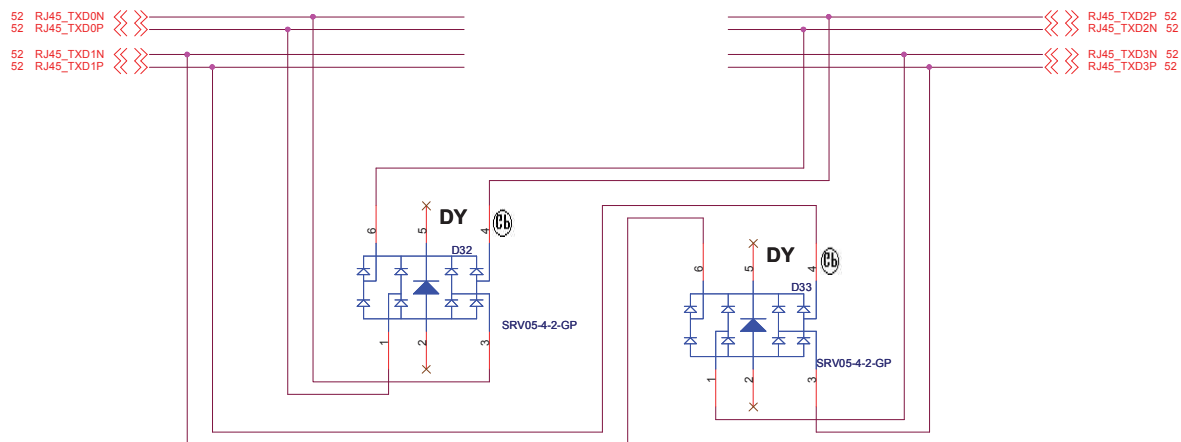
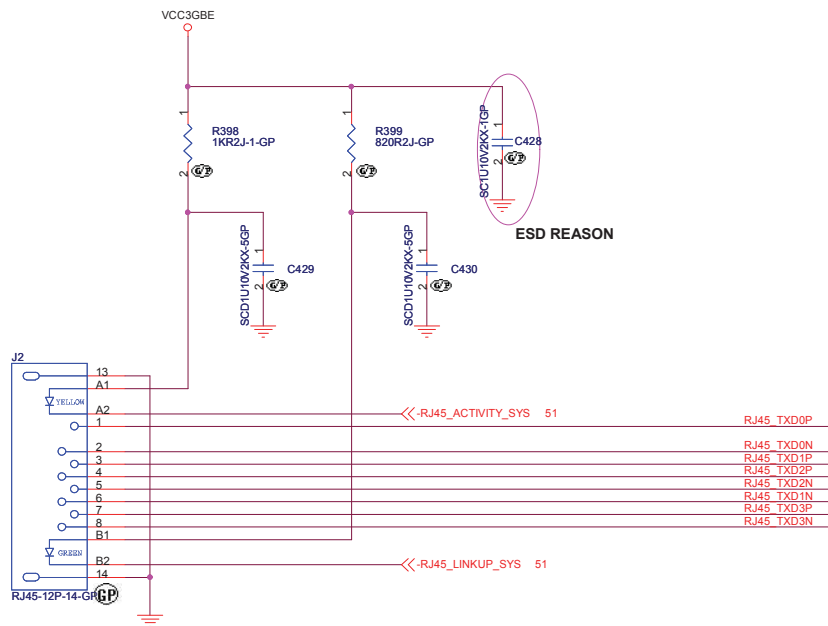
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<Core Design>

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

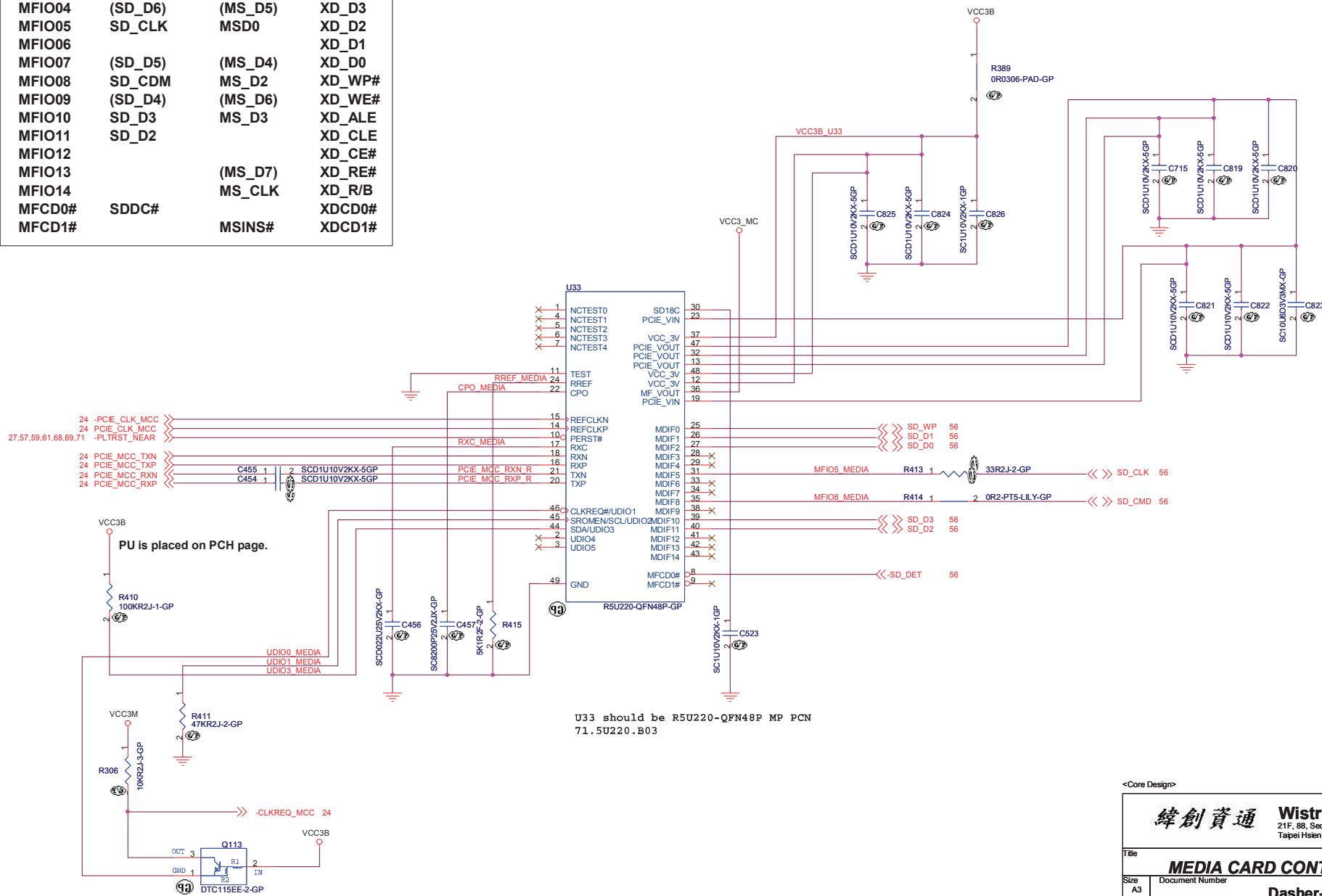
緯創資通		Wistron Corporation 21F, 88, Sec. 1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
RJ45 CONNECTOR			
Size A3	Document Number	Rev SD	
Dasher-1			
Date: Monday, January 10, 2011		Sheet 53 of	101

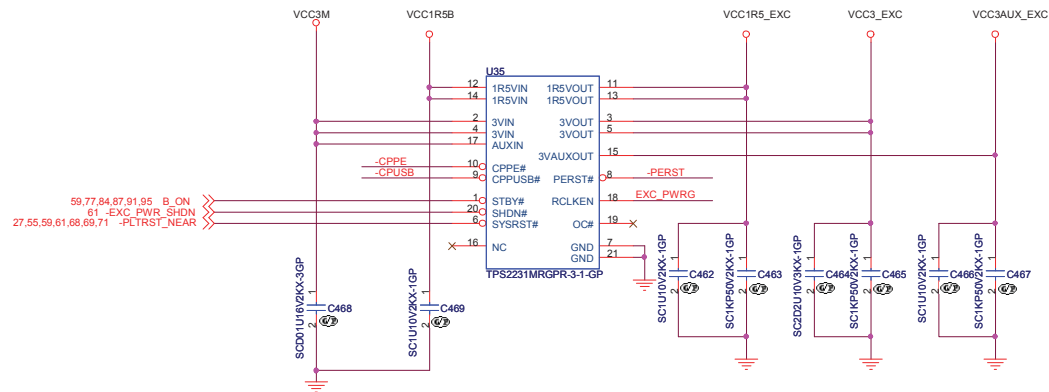
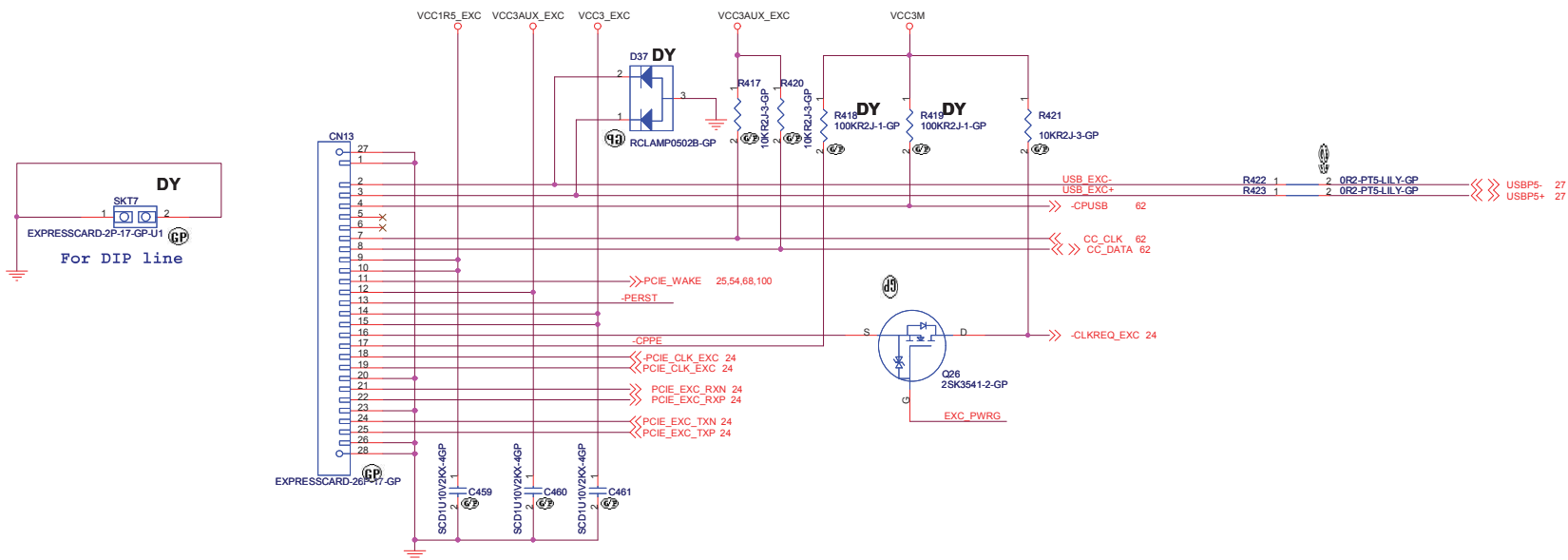


<Core Design>

Title			
MINI CARD SLOT			
Size A3	Document Number	Rev	
Dasher-1		SD	
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MEDIA I/F	SD/MMC	MEMORYSTICK	XD
MFIO00	SDWP#	MSBS	XD_D7
MFIO01	SD_D1		XD_D6
MFIO02	SD_D0	MS_D1	XD_D5
MFIO03	(SD_D7)		XD_D4
MFIO04	(SD_D6)	(MS_D5)	XD_D3
MFIO05	SD_CLK	MSD0	XD_D2
MFIO06			XD_D1
MFIO07	(SD_D5)	(MS_D4)	XD_D0
MFIO08	SD_CDM	MS_D2	XD_WP#
MFIO09	(SD_D4)	(MS_D6)	XD_WE#
MFIO10	SD_D3	MS_D3	XD_ALE
MFIO11	SD_D2		XD_CLE
MFIO12			XD_CE#
MFIO13		(MS_D7)	XD_RE#
MFIO14		MS_CLK	XD_R/B
MFCD0#	SDDC#		XDCD0#
MFCD1#		MSINS#	XDCD1#



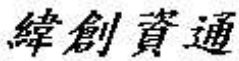


U35	TI	TPS2231MRGP-3	45K0234BA
	Rohm	BD4156MUV-E2	74.04156.07T
	Rohm	BD4157MUV-E2	74.04157.073

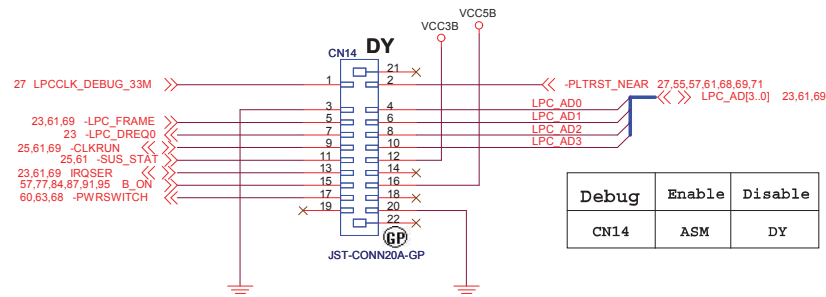
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Title			
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		Dasher-1	
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Debug card connector



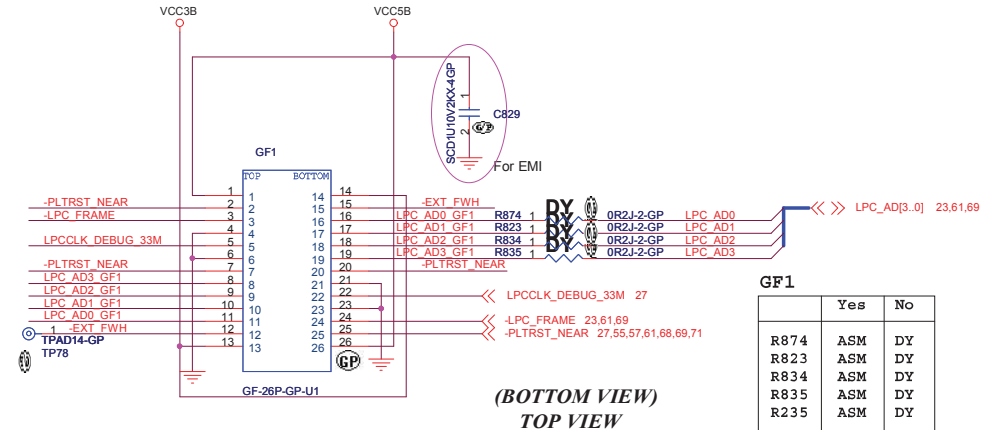
Put "easy-to -access" place

64Mbit SPI FLASH (for vPRO model)

SO8		
Marconix	MX25L6436EM2I-10G	72.25643.001
Marconix	MX25L6406EM2I-10G	
Winbond	W25Q64CVSSIG	72.25Q64.B01
Atmel	AT25DF641 or 641A	72.25641.003
MLP8		
Numonyx	M25PX64-VMD6TG	72.25P64.E01

Part Number wait confirm

Golden Finger for Debug Board



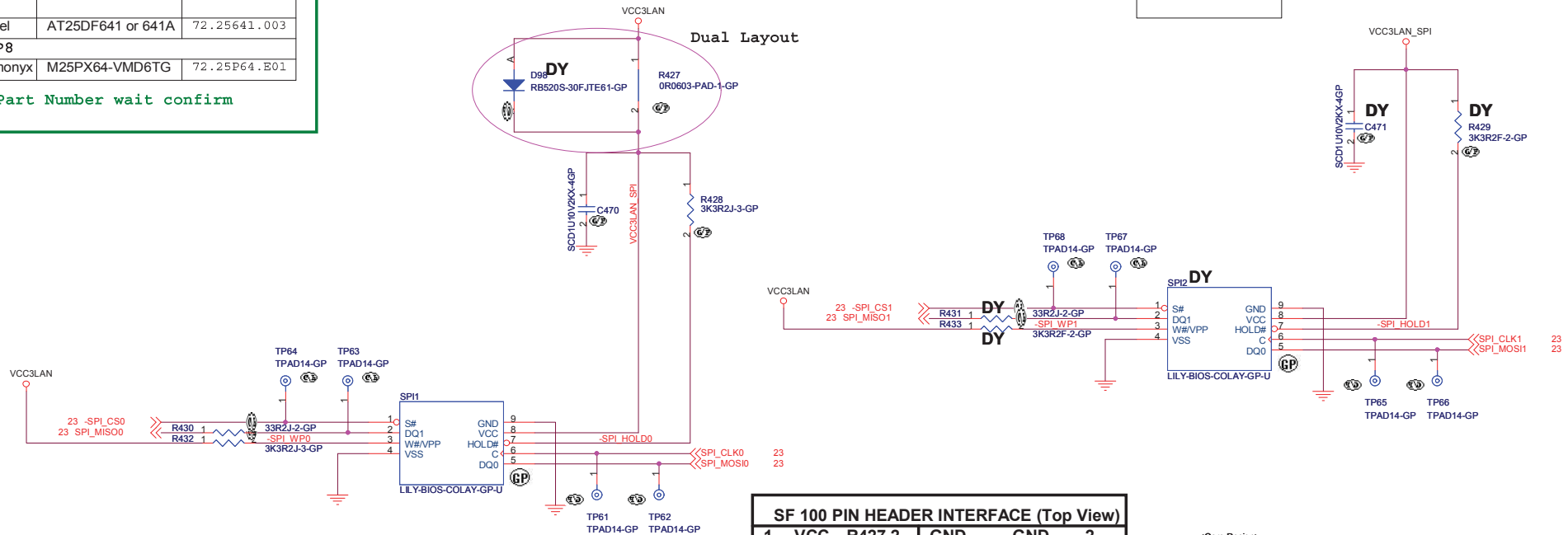
(BOTTOM VIEW)
TOP VIEW

(26) (25)....(15) (14)
13 12 2 1

GF1	Yes	No
R874	ASM	DY
R823	ASM	DY
R834	ASM	DY
R835	ASM	DY
R235	ASM	DY

SVT Logic

Dual Layout



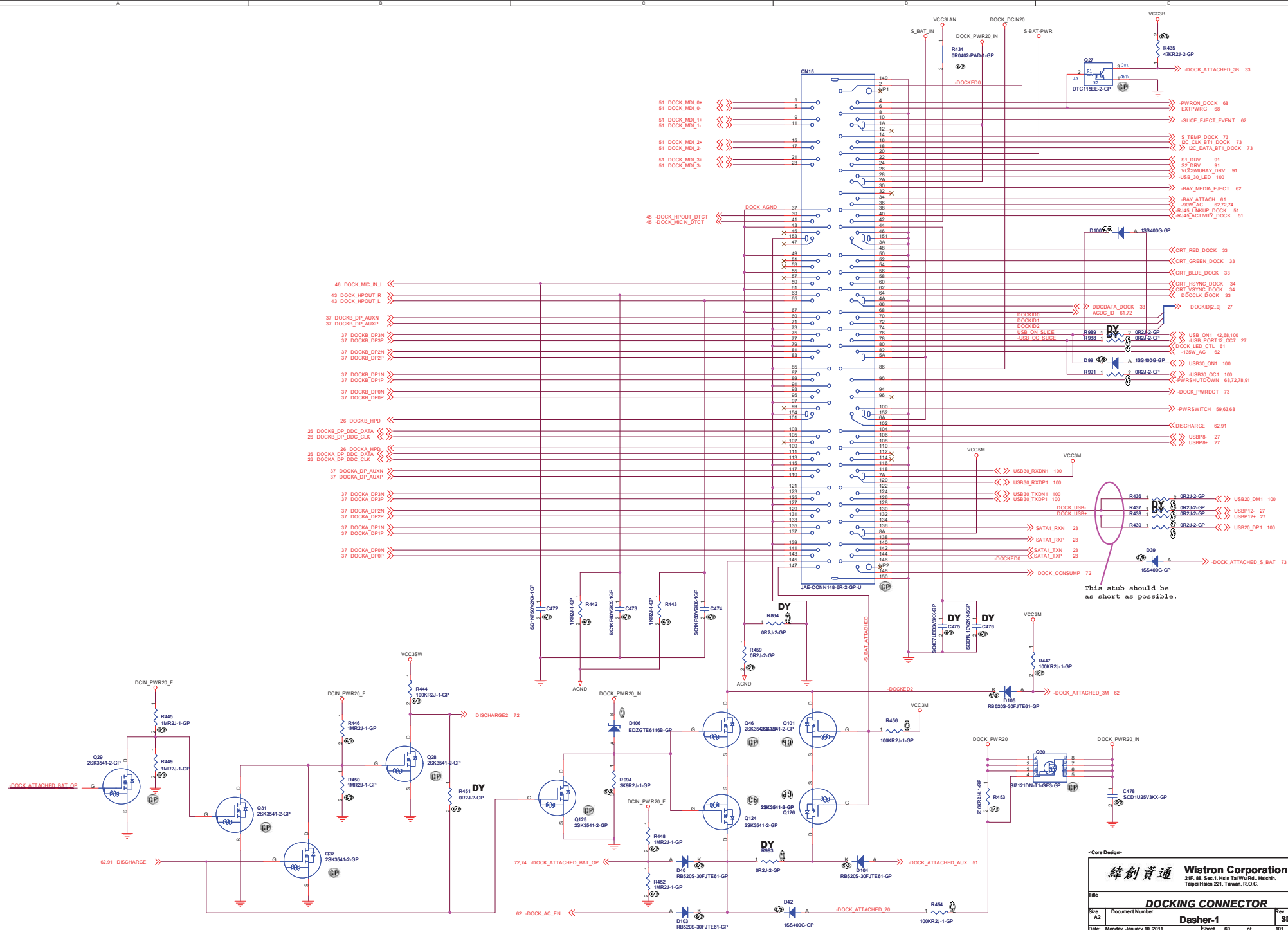
SO8 and WSON8 are both supported!

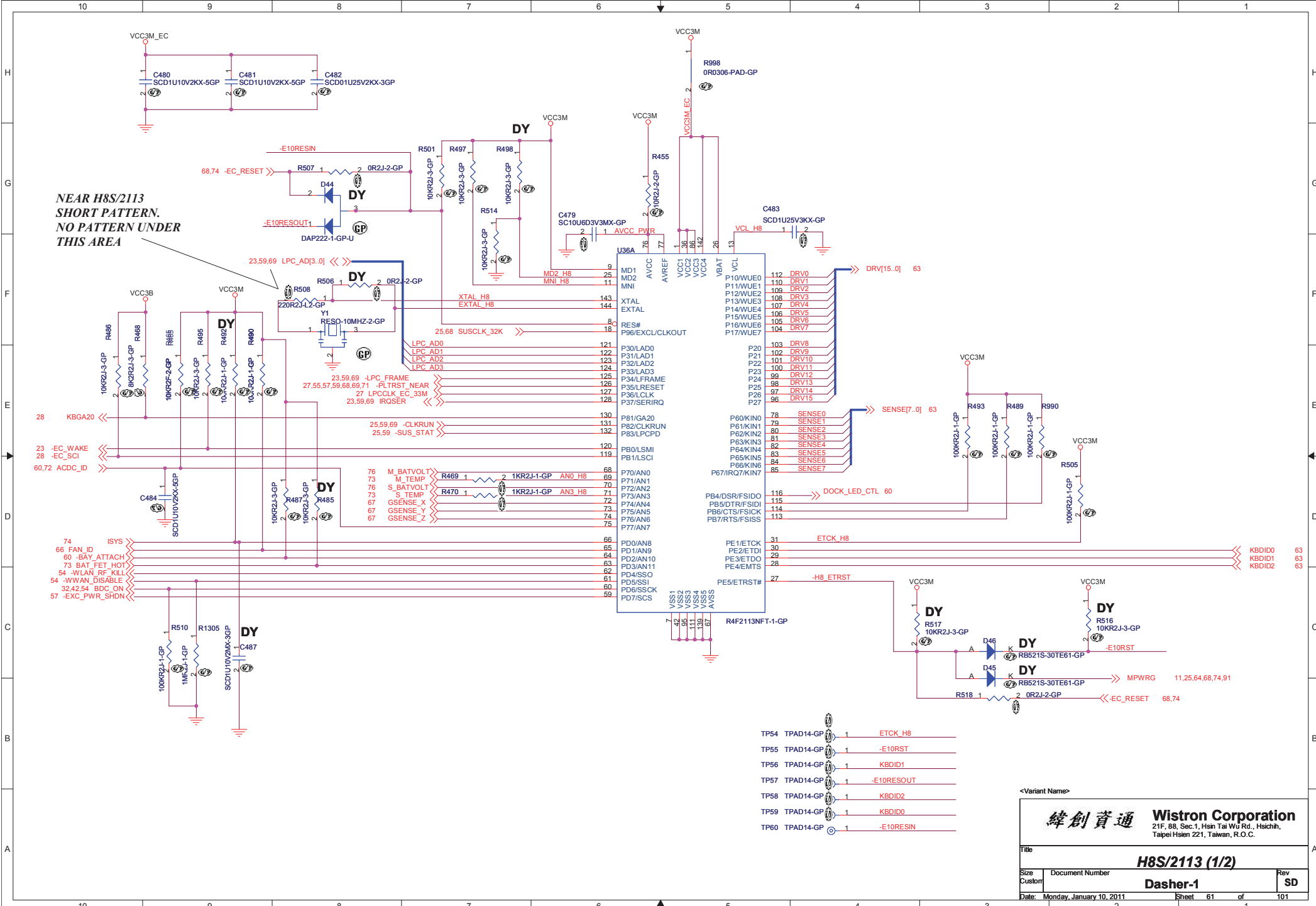
SF 100 PIN HEADER INTERFACE (Top View)

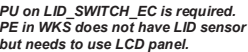
1	VCC	R427.2	GND	GND	2
3	CS#	R148.1	R145.1	CLK	4
5	MISO	R430.2	R151.1	MOSI	6
7	(KEY)	N/A	N/A	(RESET)	8

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Title			
SPI&LPC debug card			
Size	Document Number	Rev	
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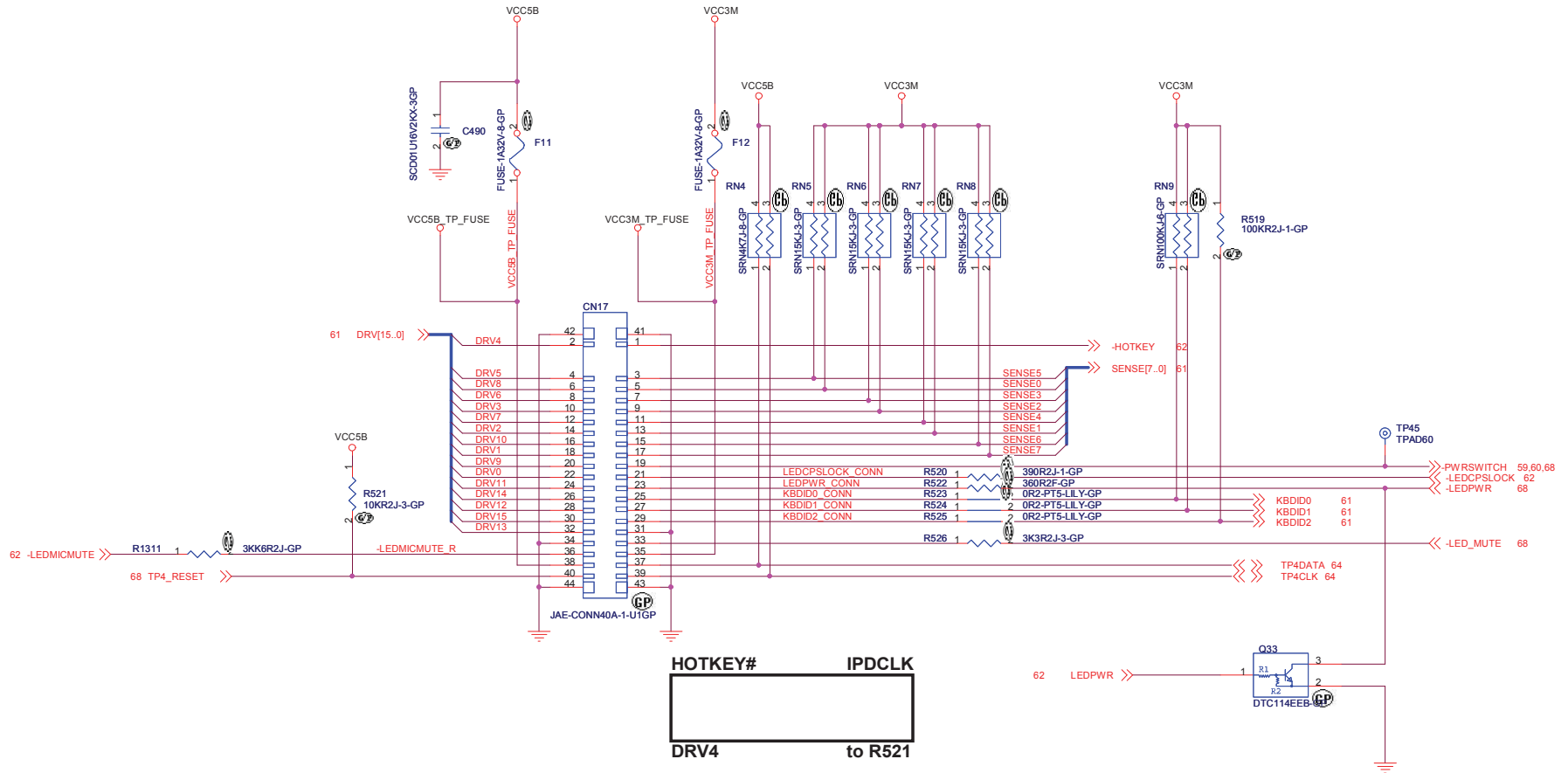




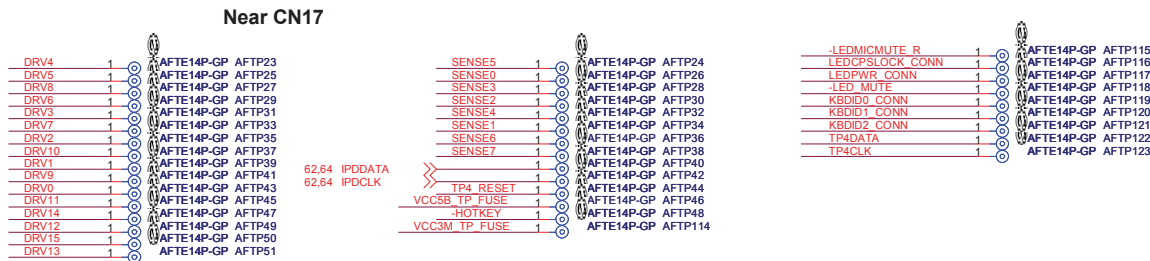
PIN#90 is used to recognize if the system is 135W system or not when power-on as below.

E10A DEBUG I/F	ENABLE	DISABLE
R506 R515	NO_ASM NO_ASM	ASM ASM
D47 C146 R149 R148 R149 R151 R151	ASM ASM ASM ASM ASM ASM	NO_ASM NO_ASM NO_ASM NO_ASM NO_ASM NO_ASM
R97 R511	ASM NO_ASM	NO_ASM ASM
R960 R509	ASM NO_ASM	NO_ASM ASM
R967 R968 R969	NO_ASM NO_ASM NO_ASM	ASM ASM ASM

Keyboard Connector



Keyboard Connector Top View



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No.	Title	Date	Page
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36	...	...	...
37	...		

KEYBOARD CONNECTOR

Size

Document Number

Dasher-1

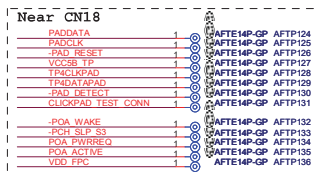
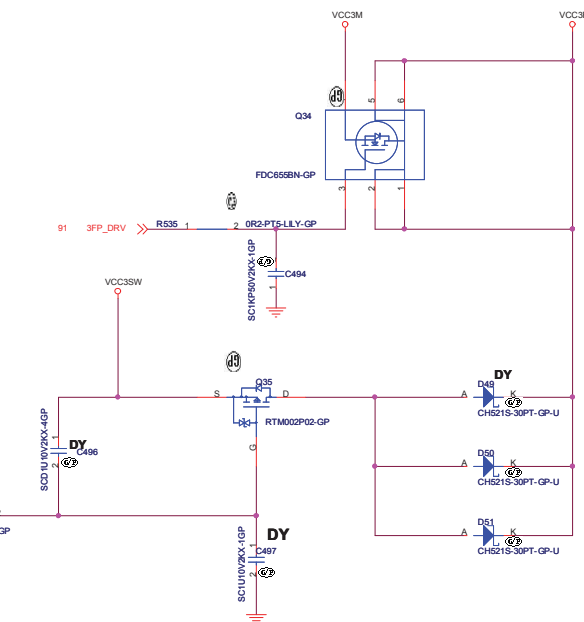
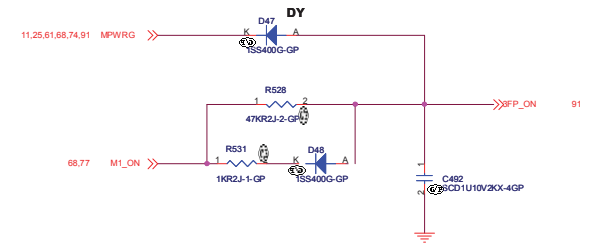
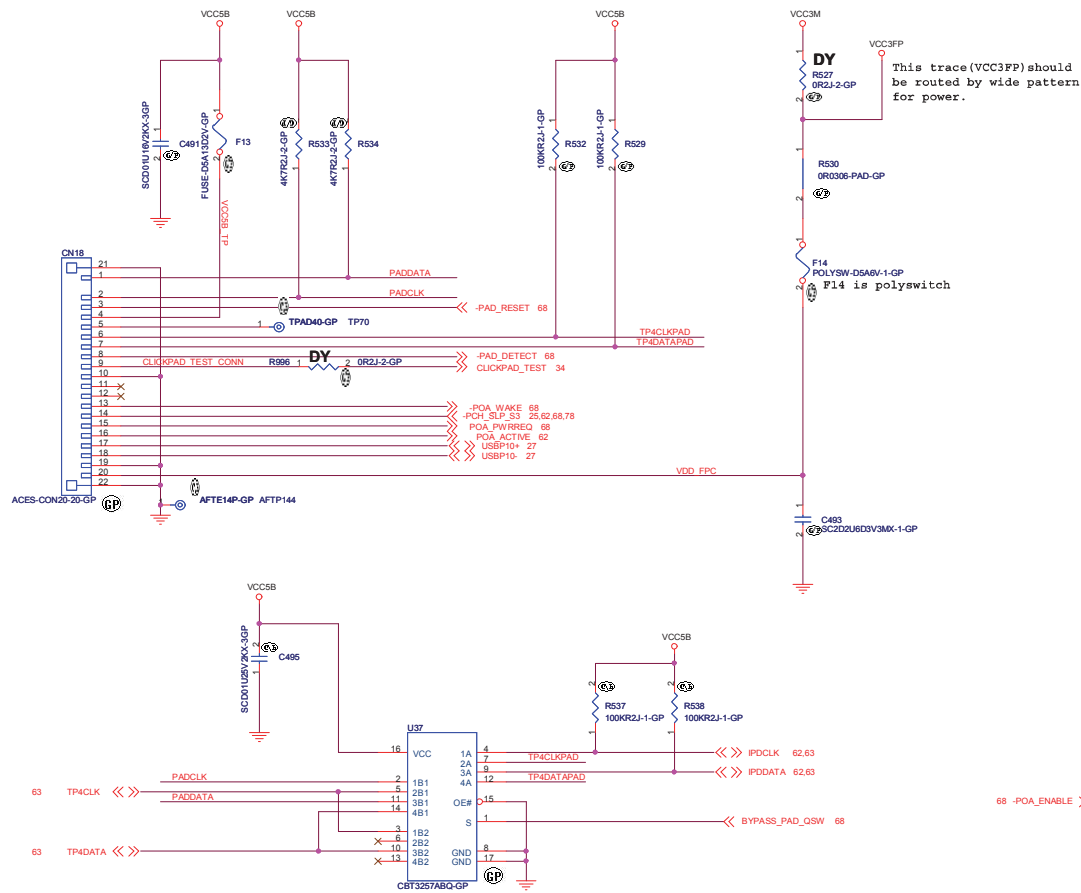
Rev

SD

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Fingerprint Reader / Touch PAD



A

B

C

D

E

4

4

3

3

2

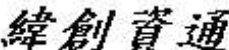
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Size A	Document Number Dasher-1		Rev SD
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D		E	

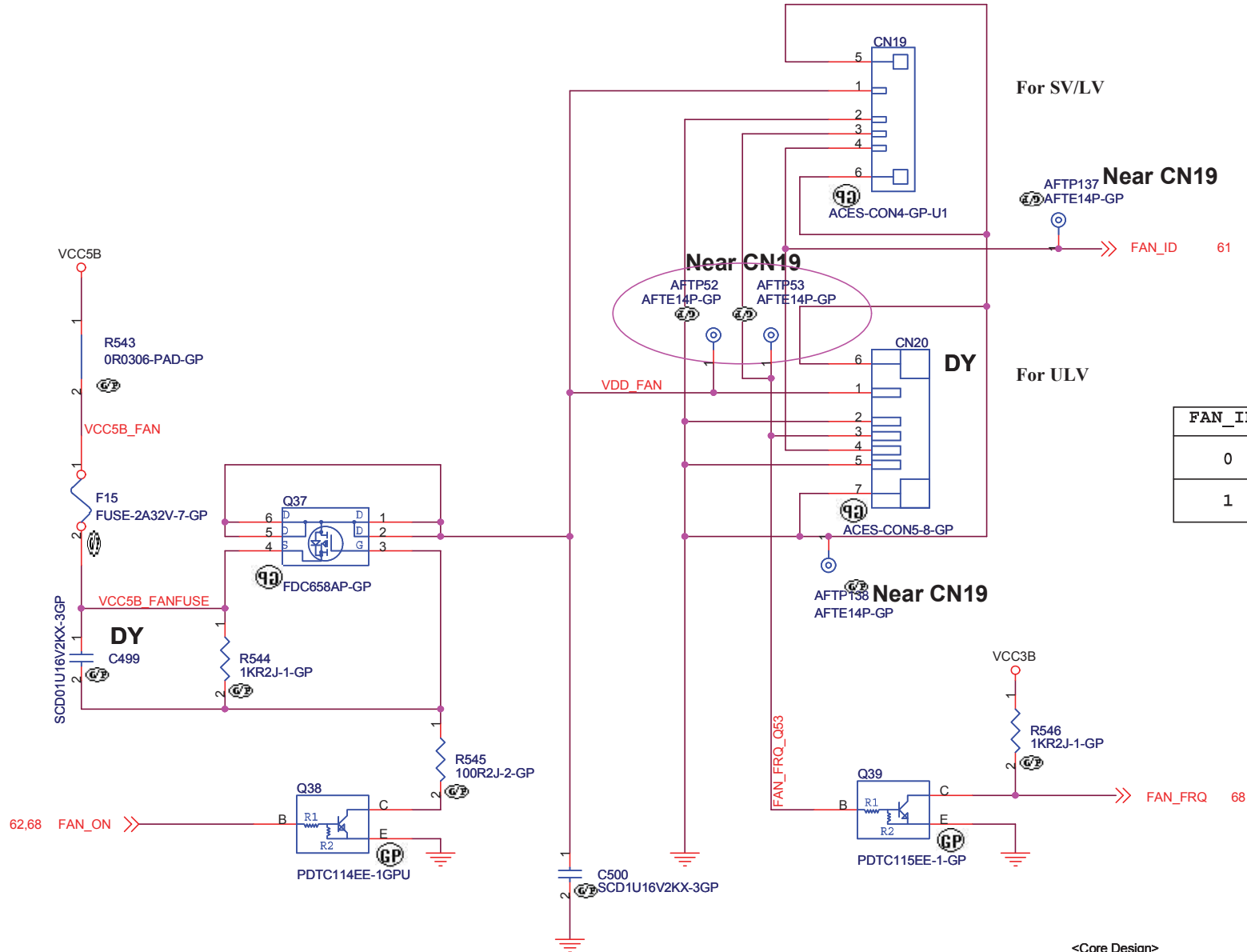
A

B

C

D

E



FAN_ID	Thermal module
0	THT
1	AVC or DELTA

<Core Design>

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

Title

FAN Control

Size
A4

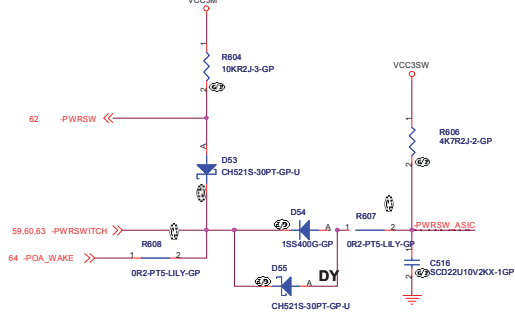
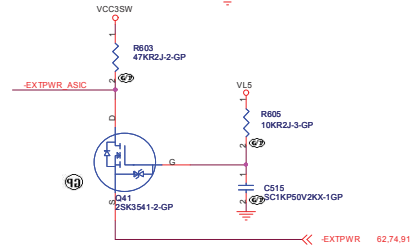
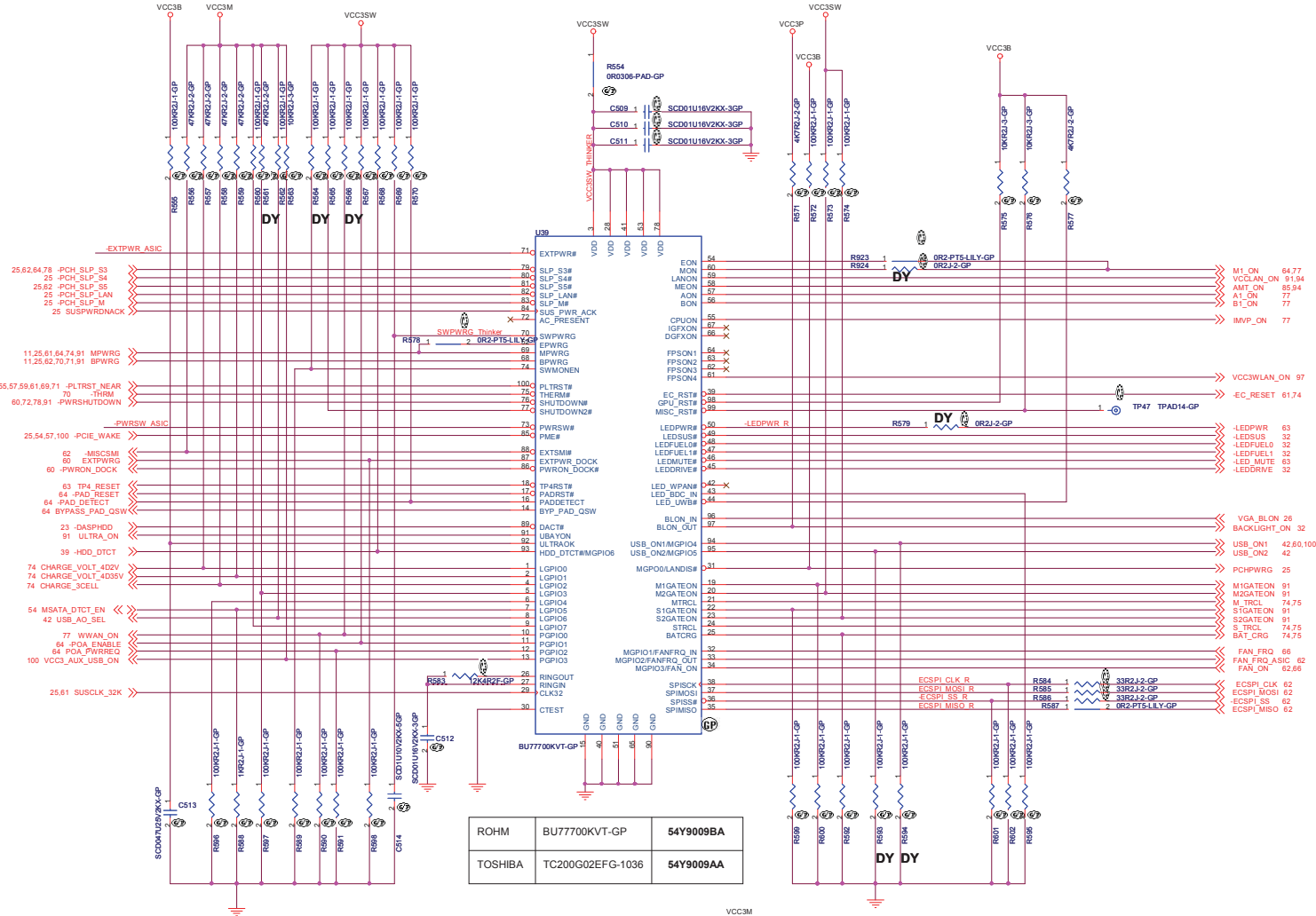
Document Number

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Rev
SD

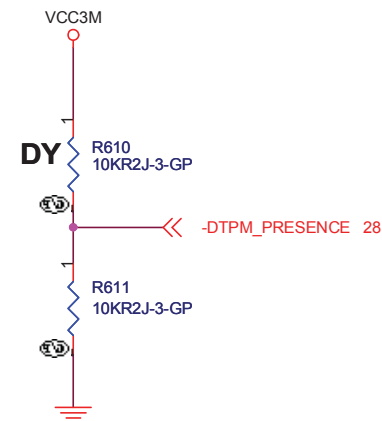
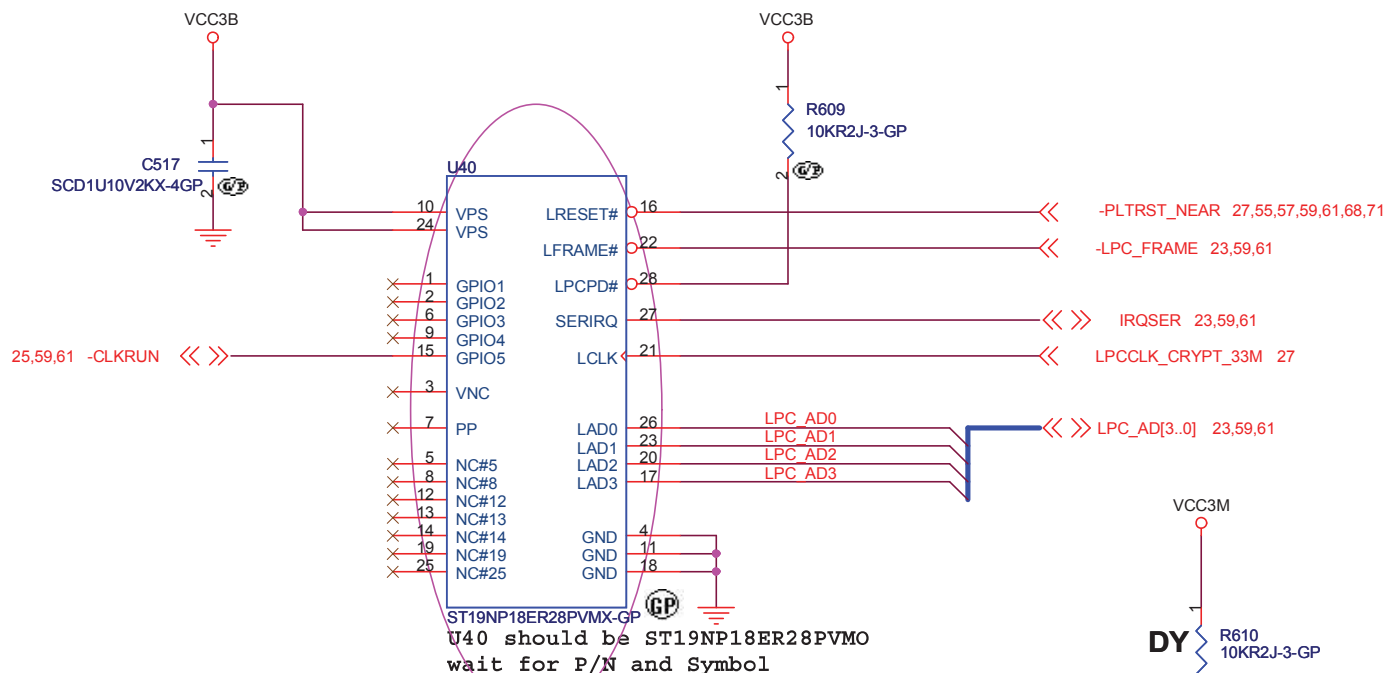
Date: Monday, January 10, 2011

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<Core Design>

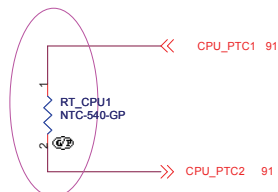
緯創資通 **Wistron Corporation**
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	NO TPM	ST Micro ST19NP18ER28PVM0
U40	DY	ASM
C517	DY	ASM
R609	DY	ASM
R610	ASM	DY
R611	DY	ASM

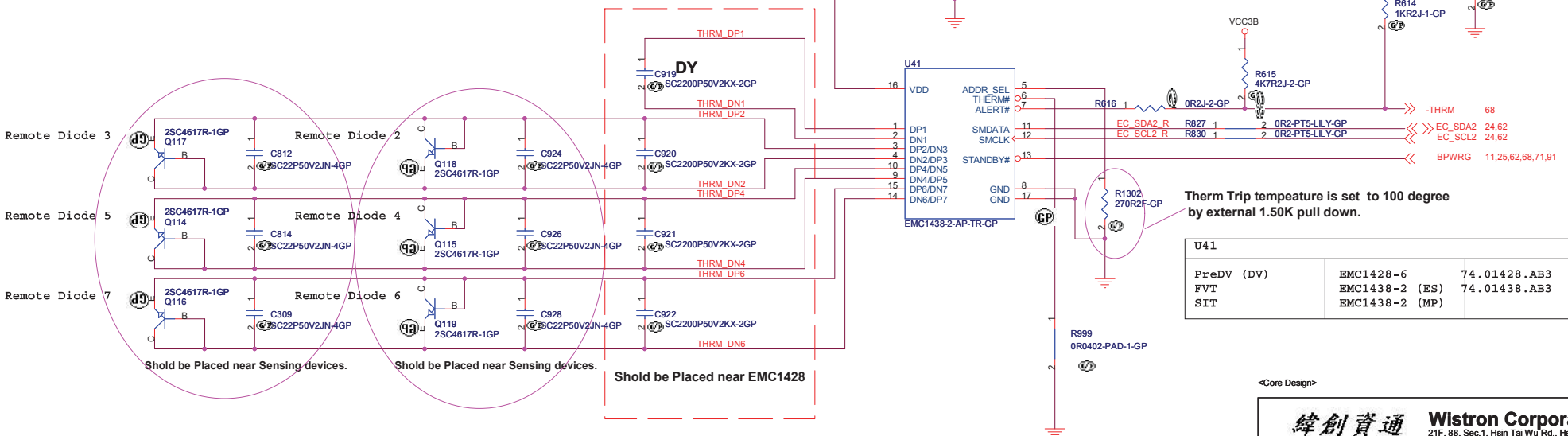
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緯創資通		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title		TPM	
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It should be arranged near CPU instead of CPU thermal sensor

Channel	Location
Local	MEMORY
Remote Diode 2	CPUCORE DC/DC
Remote Diode 3	Rear Cover (1R05B VTT DC/DC)
Remote Diode 4	Base Cover (1R5A DC/DC)
Remote Diode 5	GFXCORE
Remote Diode 6	WWAN
Remote Diode 7	WLAN



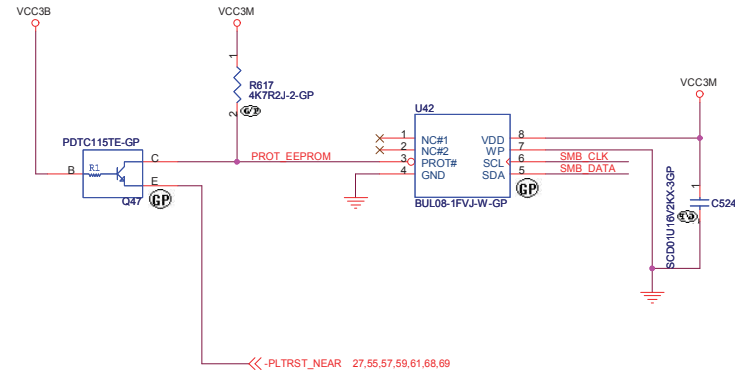
U41		
PreDV (DV)	EMC1428-6	74.01428.AB3
FVT	EMC1438-2 (ES)	74.01438.AB3
SIT	EMC1438-2 (MP)	

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

Title		
Thermal Sensor		
Size A3	Document Number	Rev SD
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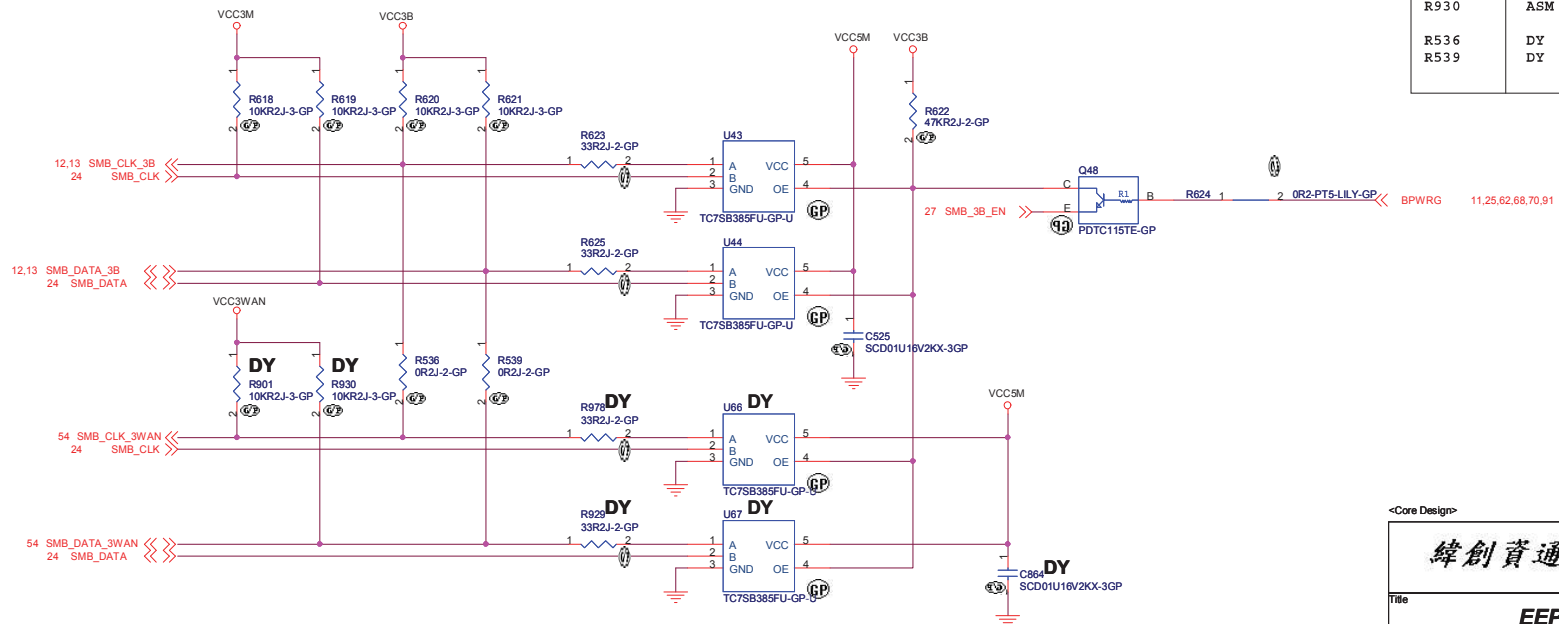
EEPROM



	Vendor	U42	Part Number
1st	ROHM	BUL08-1FVJ-W	72.BUL08.00Q
2nd	PHILIPS	PCA24S08ADP	72.24S08.A0Q
3rd	Sanyo	LE26CAP08TT	72.26C08.00R

CONSTANT SECURE	YES	NO
U66	ASM	DY
U67	ASM	DY
C864	ASM	DY
R978	ASM	DY
R929	ASM	DY
R901	ASM	DY
R930	ASM	DY
R536	DY	ASM
R539	DY	ASM

Logic

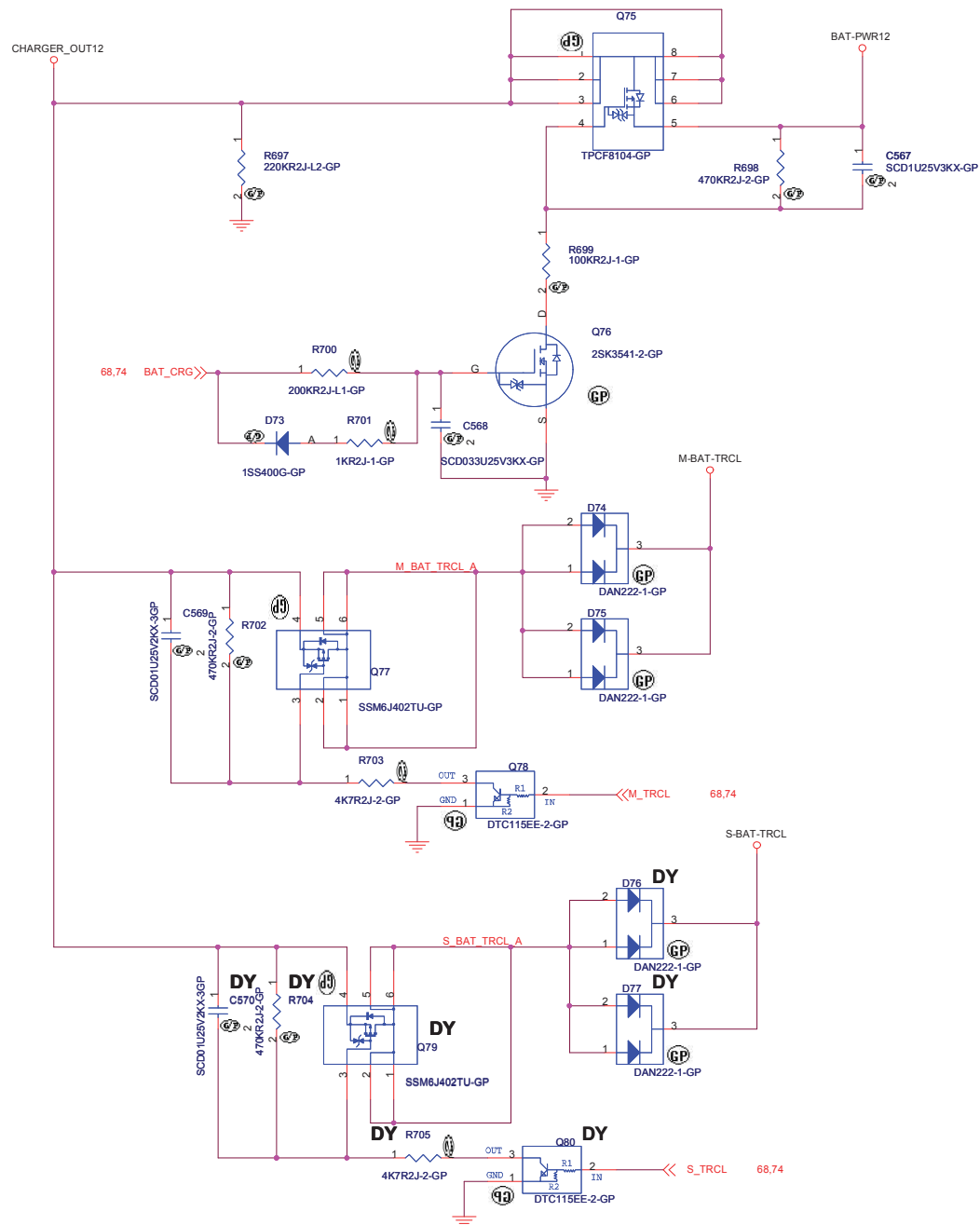


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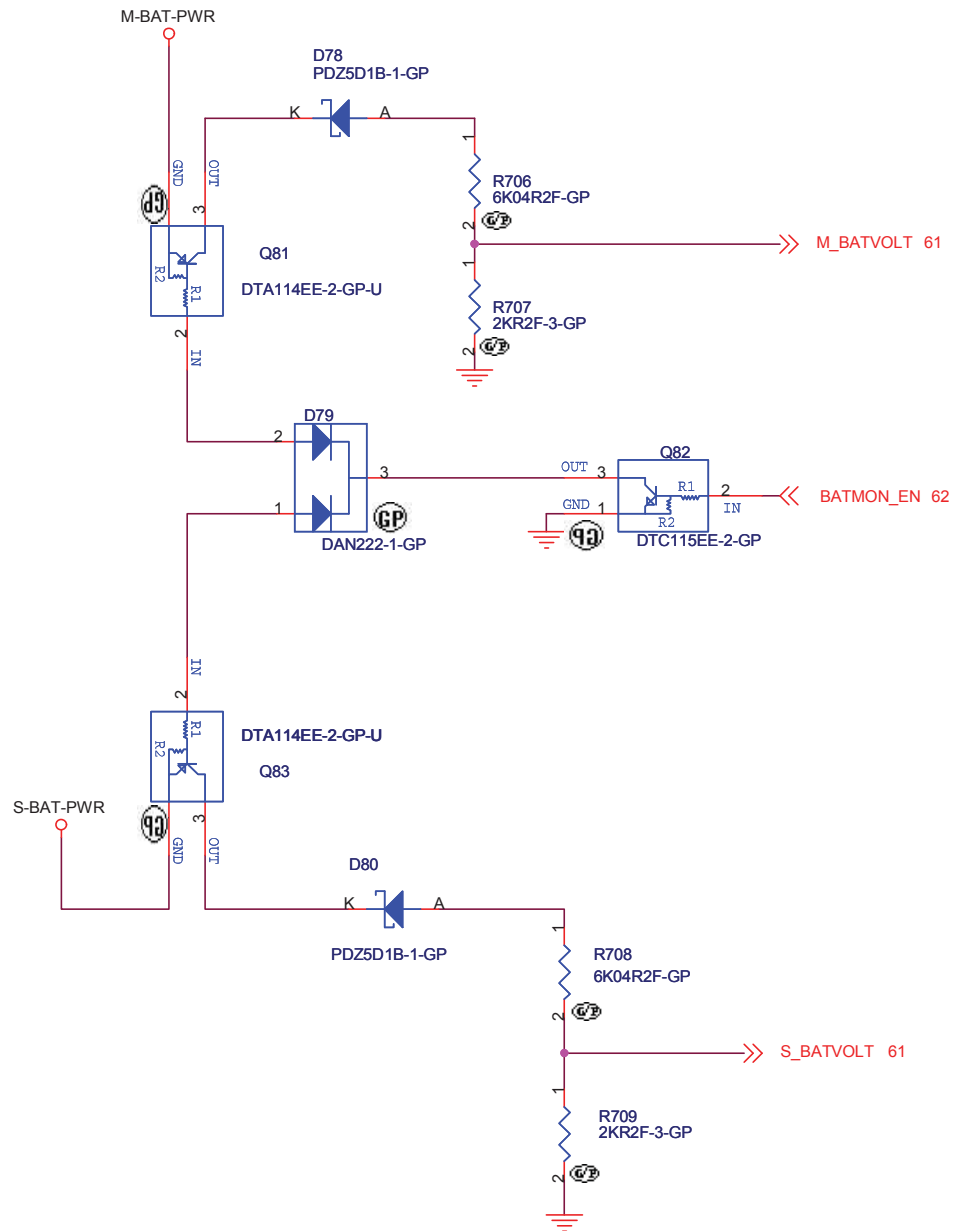
Title			
<i>EEPROM/SMBUS SW</i>			
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<Core Design>

$$V_{OUT} = 0.249 (V_{BAT} - 5)$$



<Core Design>

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Title

BATTERY MONITOR

Size
A4

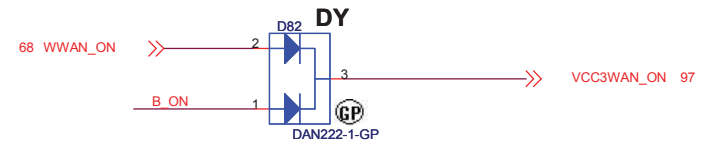
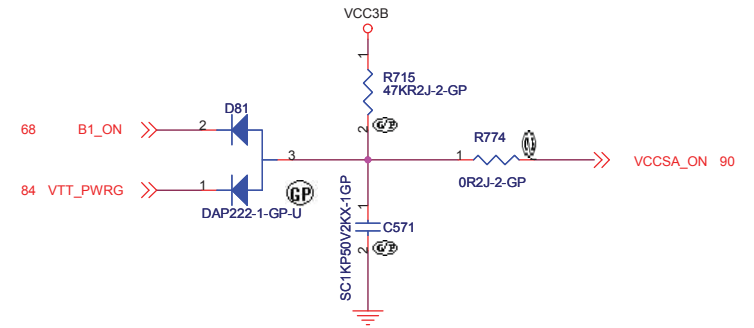
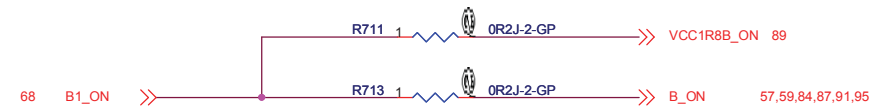
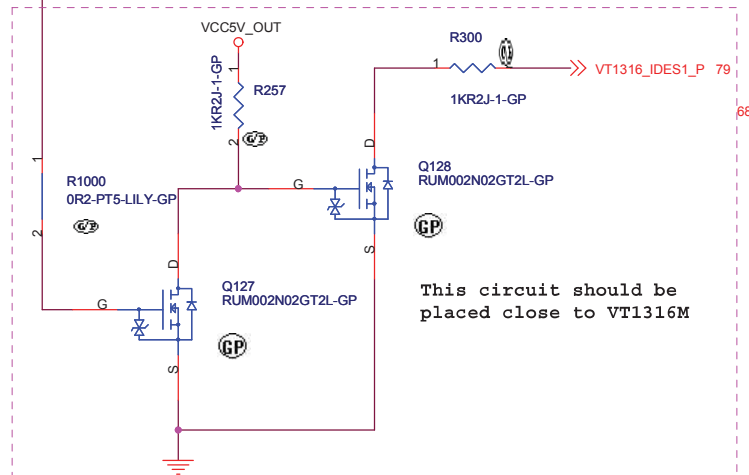
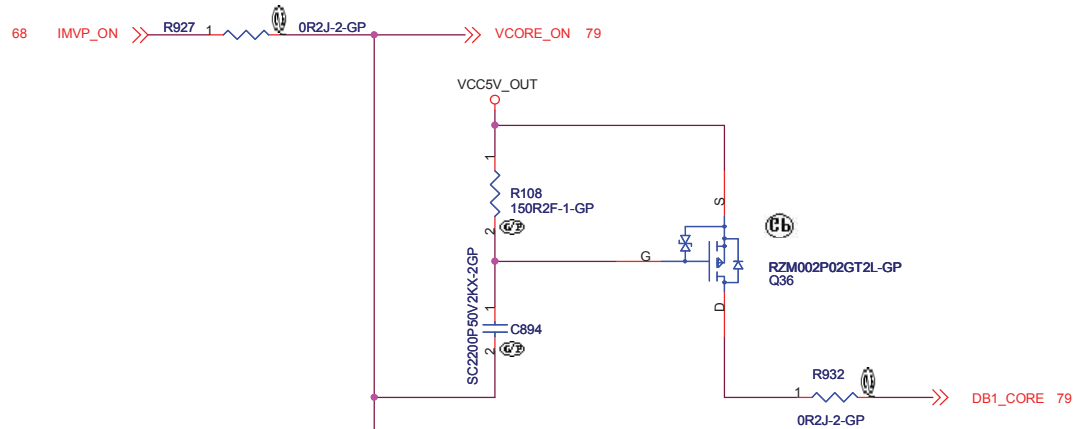
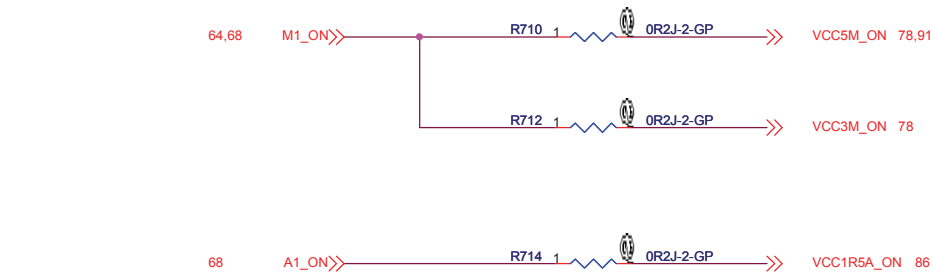
Document Number

Dasher-1

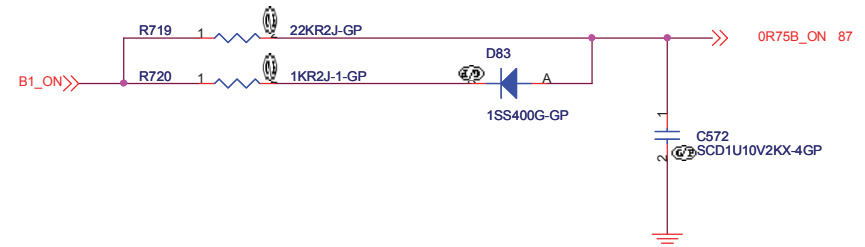
Rev
SD

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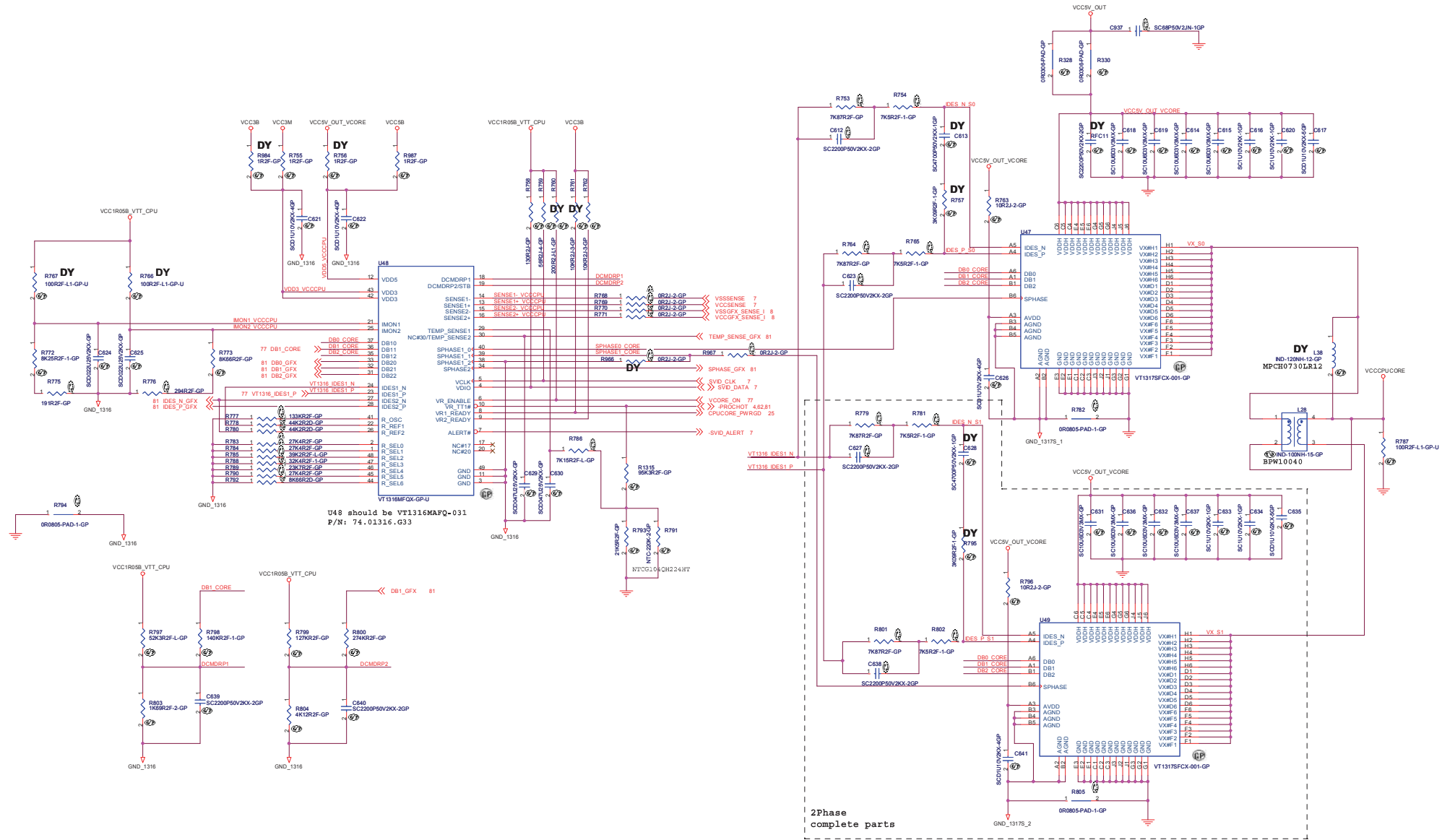


CONSTANT CONTNECT	YES	NO
D82	ASM	NO-ASM



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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.	
POWER SEQUENCE			
Title Size Custom	Document Number Dasher-1	Rev SD	
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緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsinchu,
Taipei Hsin 301, Taiwan, R.O.C.

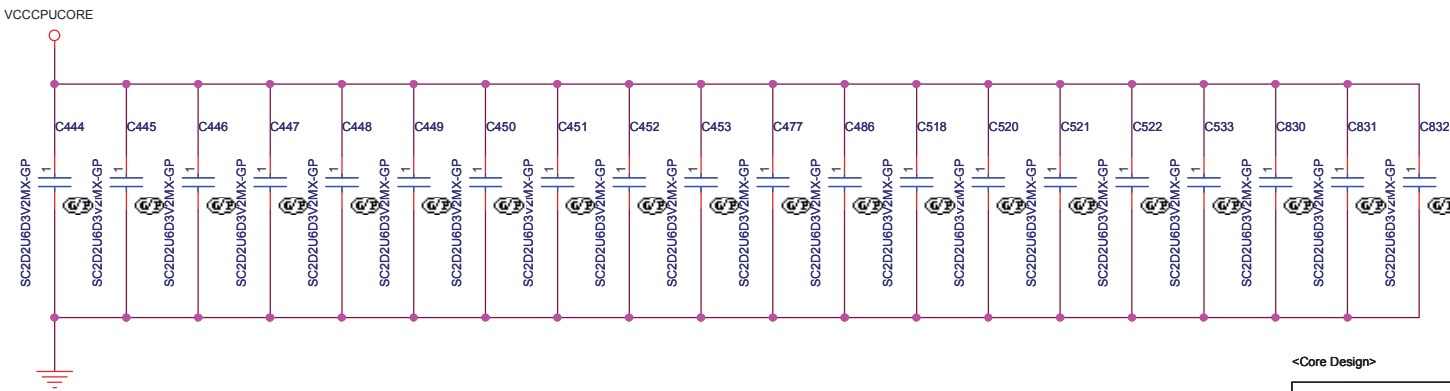
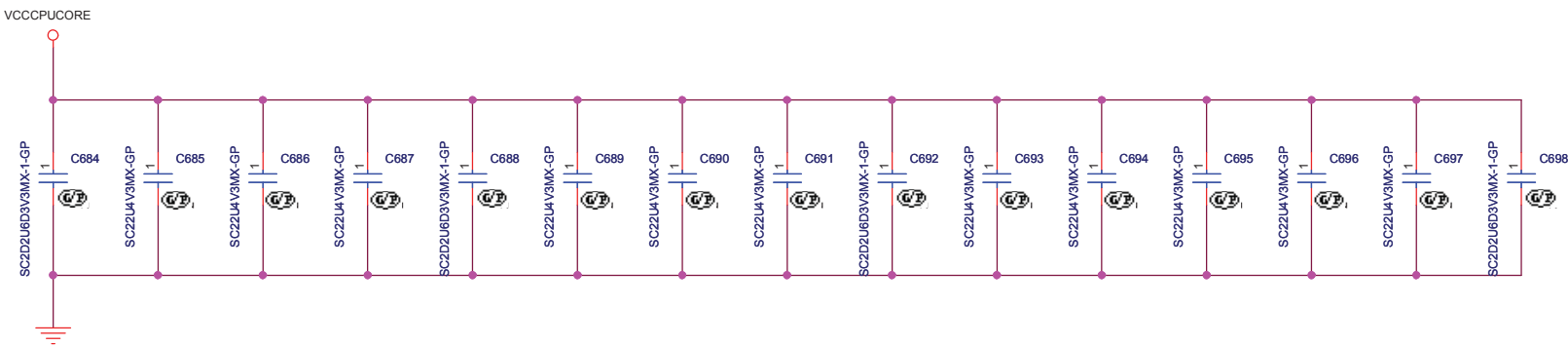
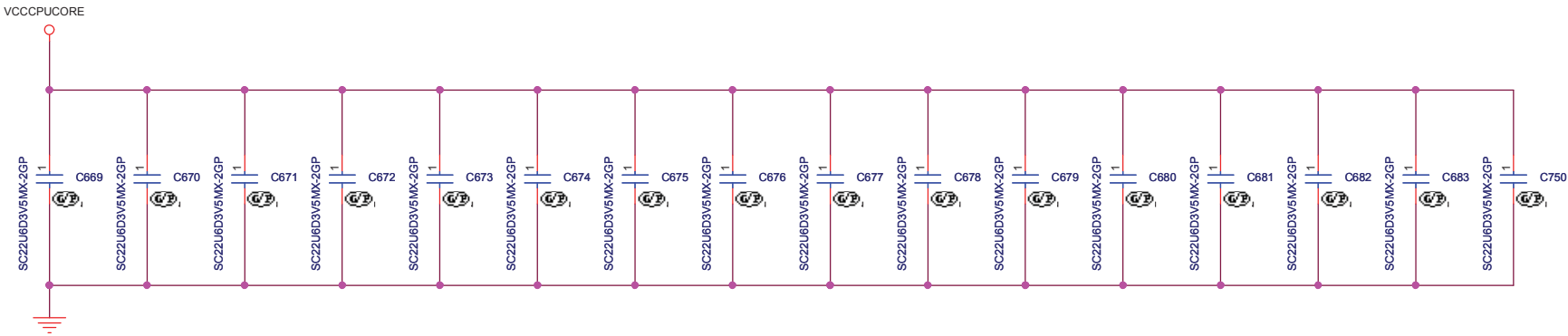
File	Document Number	Rev
DC-DC VCCCPUCORE		SD
Dasher-1		
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CPU/GFXCORE Table					
CPU	SV 2Phase (53A)		LV 2Phase (43A)	ULV 1Phase (33A)	Remark
GFX	GT1 (24A)	GT2 (33A)	GT2 (33A)	GT2 (33A) □	
U47	VT1317S	VT1317S	VT1314S	VT1317S	Slave IC
U49	VT1317S	VT1317S	VT1314S	NO_ASM	
R966	NO_ASM	NO_ASM	NO_ASM	0	Phase
R967	0	0	0	NO_ASM	
L28	NO_ASM	NO_ASM	NO_ASM	ASM	Inductor
L28	ASM	ASM	ASM	NO_ASM □	
R783	27.4k	27.4k	39.2k	20.8k	R_SSL0
R784	27.4k	27.4k	39.2k	27.4k	R_SSL1
R785	39.2k	39.2k	39.2k	39.2k	R_SSL2
R788	27.4k	32.4k	32.4k	32.4k	R_SSL3
R789	11.4k (0.5%)	23.7k (1%)	23.7k (1%)	23.7k (1%)	R_SSL4
R790	27.4k	27.4k	27.4k	27.4k	R_SSL5
R792	8.66k (0.5%)	8.66k (0.5%)	8.66k (0.5%)	8.66k (0.5%)	R_SSL6
R779	7.87k	7.87k	7.87k	NO_ASM	RDES #2
C627	1000pF	1000pF	1000pF	NO_ASM	
R781	7.68k	7.68k	7.68k	NO_ASM	
R801	7.87k	7.87k	7.87k	NO_ASM	
C638	1000pF	1000pF	1000pF	NO_ASM	
R802	7.68k	7.68k	7.68k	NO_ASM	
C628	4700pF	4700pF	4700pF	NO_ASM	
R795	3.09k	3.09k	3.09k	NO_ASM	
R772	8.25k	8.25k	10.5k	8.06k	IMON1
R775	191	191	165	383 □	
R773	8.87k	8.66k	8.66k	8.66k	IMON2
R776	178	294	294	294	
R798	140k	140k	255k	221k	DCHDR1
R803	1.63k	1.63k	3.97k	3.16k	
R797	52.3k	52.3k	110k	97.6k □	
R800	316k	274k	274k	274k	DCHDR1 (prs)
R804	4.99k	4.12k	4.12k	4.12k	(drp)
R799	154k	127k	127k	127k	(ofs)
C632	10uF	10uF	10uF	NO_ASM	GTN
C636	10uF	10uF	10uF	NO_ASM	
C633	1uF	1uF	1uF	NO_ASM	
C634	1uF	1uF	1uF	NO_ASM	
C635	0.1uF	0.1uF	0.1uF	NO_ASM	
C632	10uF	10uF	10uF	NO_ASM	
C637	10uF	10uF	10uF	NO_ASM	
R796	10	10	10	NO_ASM	AVDD
C641	0.1uF	0.1uF	0.1uF	NO_ASM	
R805	0	0	0	NO_ASM	
C684	2.2uF	2.2uF	10uF	10uF	Coutput (1603)
C685	22uF	22uF	10uF	22uF □	
C686	22uF	22uF	NO_ASM	22uF	
C687	22uF	22uF	NO_ASM	22uF	
C688	2.2uF	2.2uF	10uF	10uF	
C689	22uF	22uF	NO_ASM	22uF	
C690	22uF	22uF	10uF	22uF	
C691	22uF	22uF	NO_ASM	22uF	
C692	2.2uF	2.2uF	10uF	10uF	
C693	22uF	22uF	10uF	10uF	
C694	22uF	22uF	10uF	22uF	
C695	22uF	22uF	NO_ASM	22uF	
C696	22uF	22uF	10uF	22uF	
C697	22uF	22uF	10uF	22uF	
C698	2.2uF	2.2uF	10uF	10uF	
U50	VT1314S	VT1317S	VT1317S	VT1317S	Slave IC
R806	3.4k	3.16k	3.16k	3.16k	RDES G
C653	2700pF	2700pF	2700pF	2700pF	
R807	12.4k	11.5k	11.5k	11.5k	
R810	3.4k	3.16k	3.16k	3.16k	
C662	2700pF	2700pF	2700pF	2700pF	
R811	12.4k	11.5k	11.5k	11.5k	
C654	4700pF	4700pF	4700pF	4700pF	
R808	3.09k	3.09k	3.09k	3.09k	
C642	22uF	22uF	22uF	22uF	Coutput
C643	22uF	22uF	22uF	22uF □	
C644	22uF	22uF	22uF	22uF	
C645	22uF	22uF	22uF	22uF	
C646	22uF	22uF	22uF	22uF	
C647	22uF	22uF	22uF	22uF	
C648	22uF	22uF	22uF	22uF	
C649	22uF	22uF	22uF	22uF	
C650	22uF	22uF	22uF	22uF	
C651	22uF	22uF	22uF	22uF	
C652	22uF	22uF	22uF	22uF	
C663	22uF	22uF	22uF	22uF	
C664	22uF	22uF	22uF	22uF	
C665	22uF	22uF	22uF	22uF	
C666	22uF	22uF	22uF	22uF	
C667	22uF	22uF	22uF	22uF	
C20	10uF	22uF	22uF	22uF	Coutput CPU side
C21	10uF	10uF	10uF	10uF	
C22	10uF	22uF	22uF	22uF	
C23	10uF	22uF	22uF	22uF	
C933	10uF	22uF	22uF	22uF	
C934	10uF	10uF	10uF	10uF	

CPU	SV 2Phase (53A)		LV 2Phase (43A)	ULV 1Phase (33A)	Remark
R754	7.5k	7.5k	7.5k	6.98k	IDES (CPU)
R765	7.5k	7.5k	7.5k	6.98k	
R781	7.5k	7.5k	7.5k	NO_ASM	
R802	7.5k	7.5k	7.5k	NO_ASM	
R806	3.16k	3.16k	3.16k	6.2k	IDES (GFX)
R810	3.16k	3.16k	3.16k	6.2k	
R807	11.3k	11.3k	11.3k	8.06k	
R811	11.3k	11.3k	11.3k	8.06k	
C654	4700pF	4700pF	4700pF	NO_ASM	
R808	3.09k	3.09k	3.09k	NO_ASM	

B
L
A
N
K

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Title

DC-DC VCCCPUCORE

Size

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Document Number

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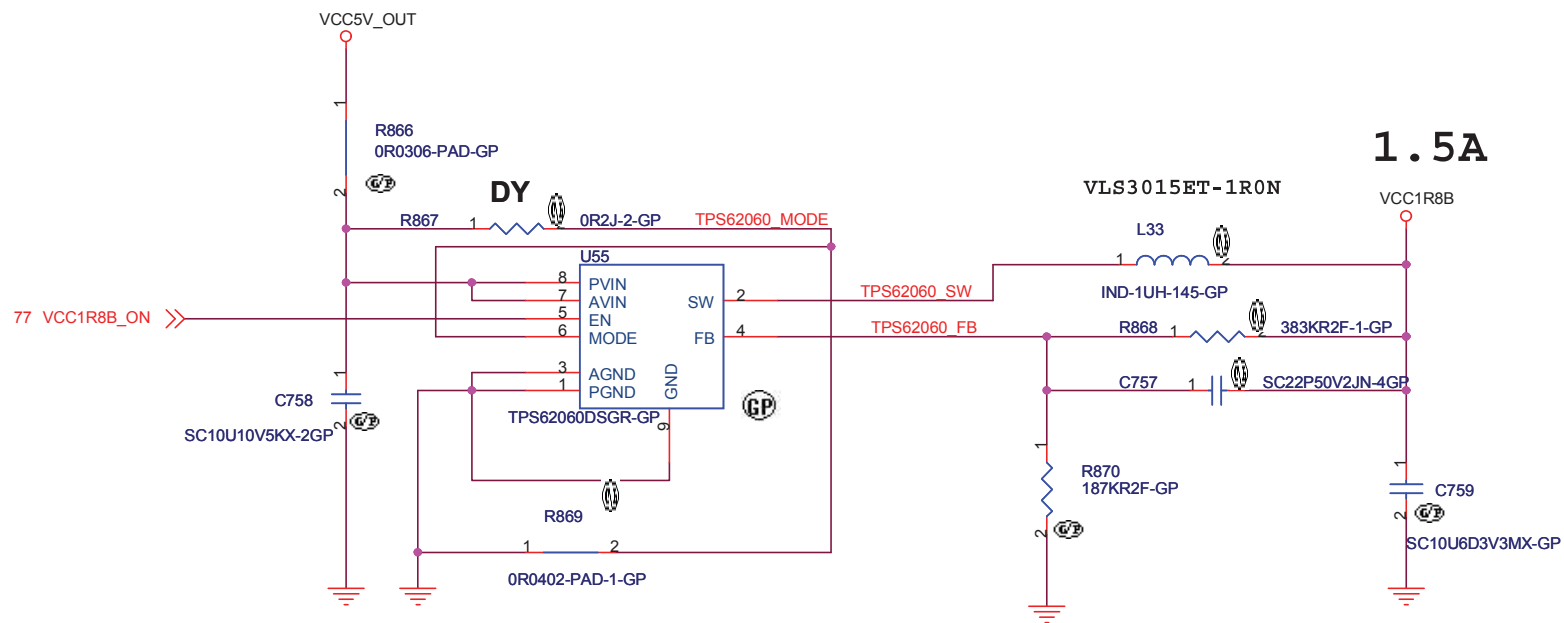
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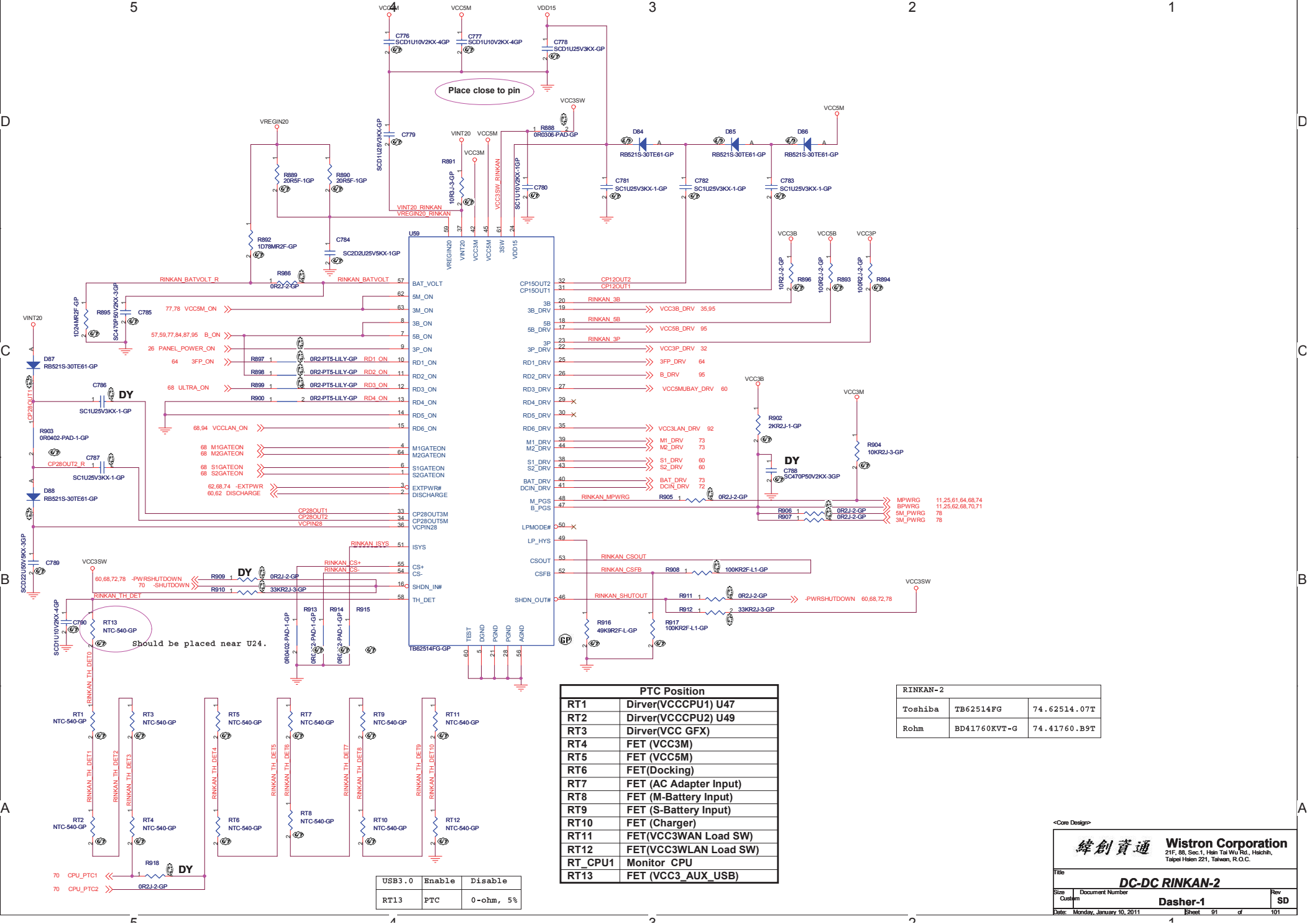


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Place close to pin

should be placed near U24.

PTC Position	
RT1	Dirver(VCCCPU1) U47
RT2	Dirver(VCCCPU2) U49
RT3	Dirver(VCC GFX)
RT4	FET (VCC3M)
RT5	FET (VCC5M)
RT6	FET(Docking)
RT7	FET (AC Adapter Input)
RT8	FET (M-Battery Input)
RT9	FET (S-Battery Input)
RT10	FET (Charger)
RT11	FET(VCC3WAN Load SW)
RT12	FET(VCC3WLAN Load SW)
RT_CPU1	Monitor CPU
RT13	FET (VCC3_AUX_USB)

RINKAN-2		
Toshiba	TB62514FG	74.62514.07T
Rohm	BD41760KVT-G	74.41760.B9T

USB 3.0		
Enable	Disable	
RT13	PTC	0-ohm, 5%

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File

DC-DC RINKAN-2

Rev

SD

Size

Document Number

Sheet

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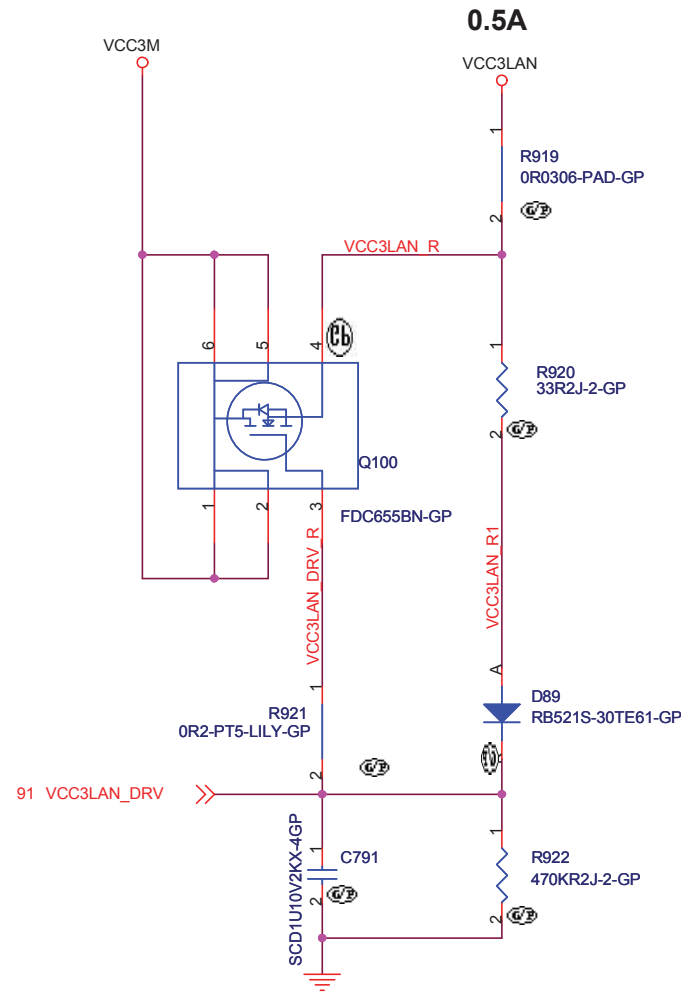
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Title

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Document Number

Dasher-1

Rev
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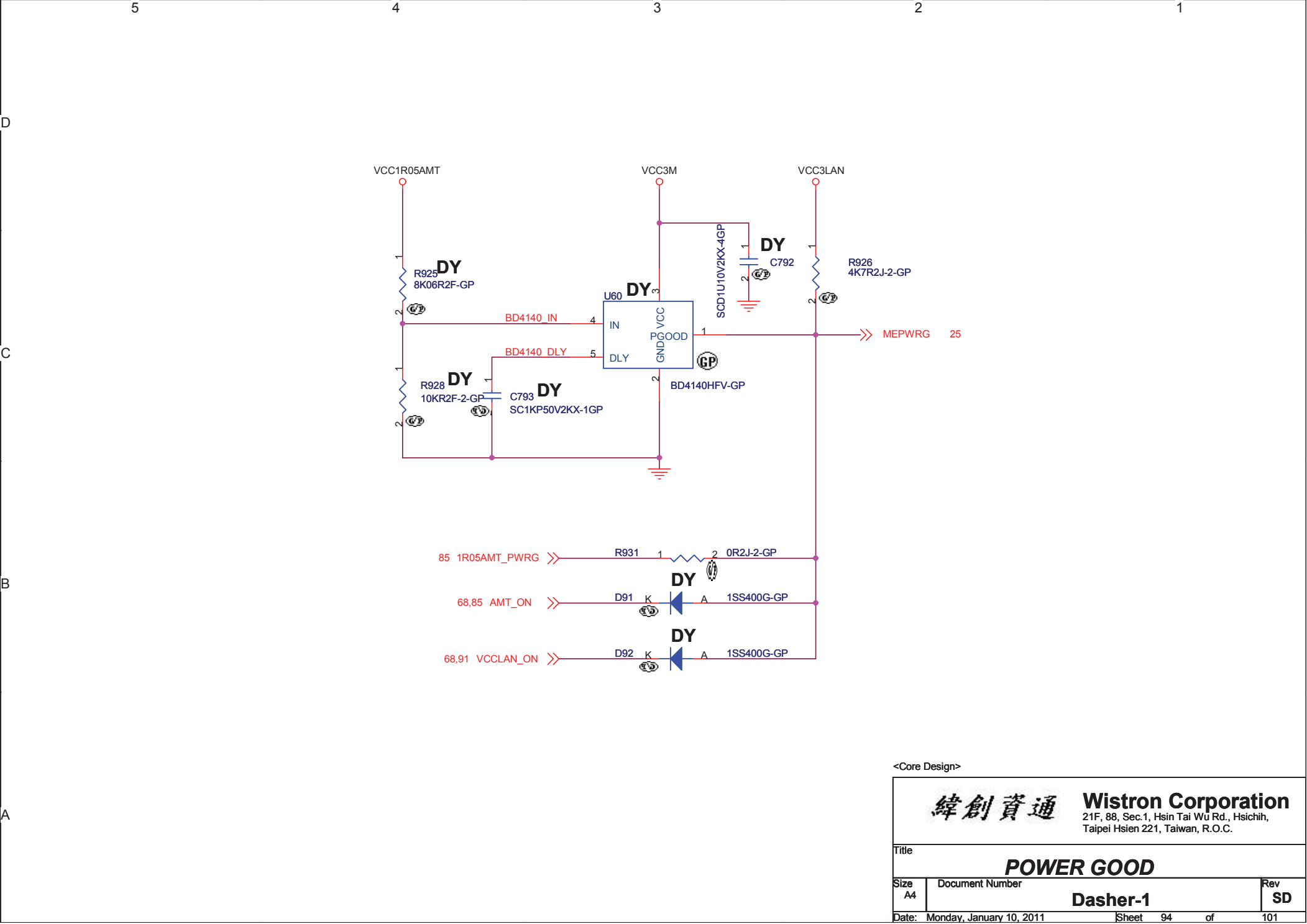
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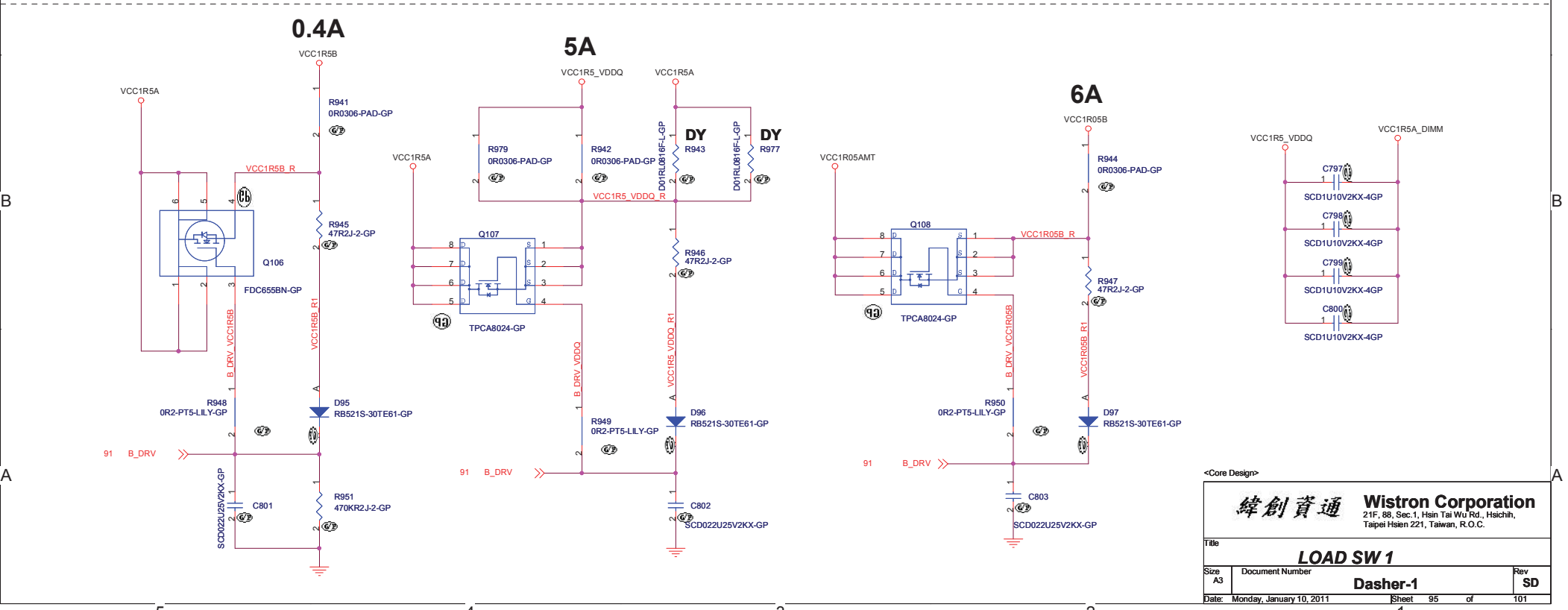
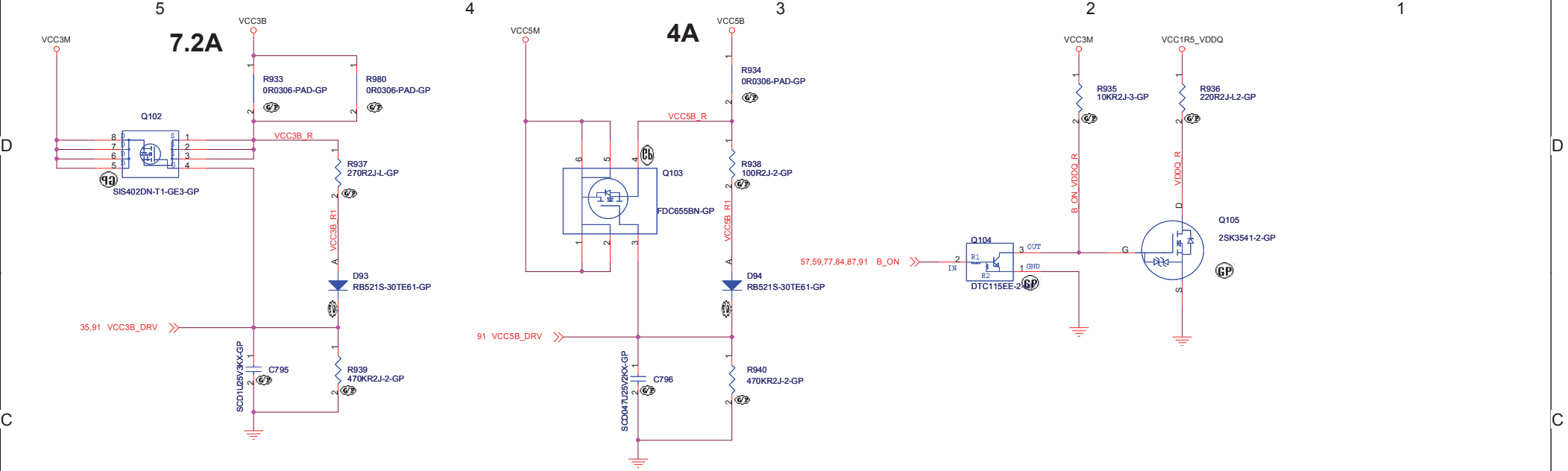
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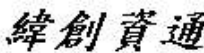
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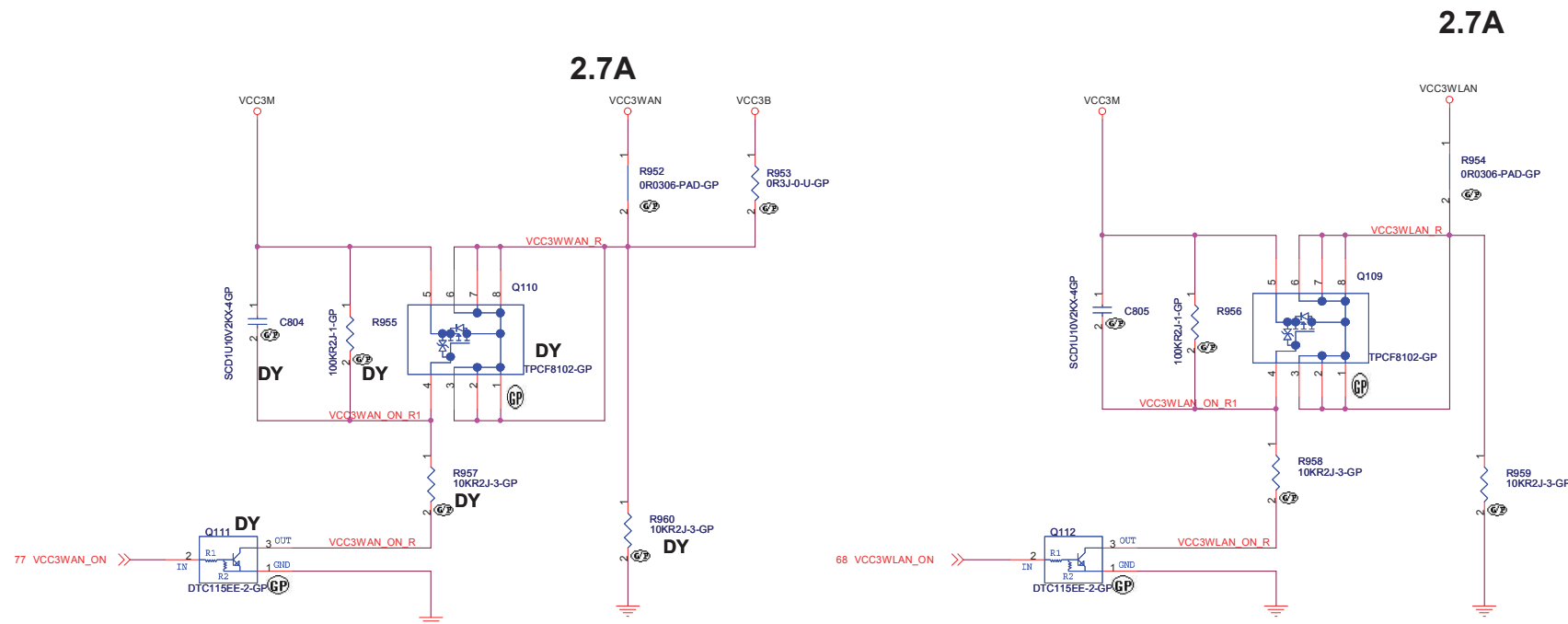




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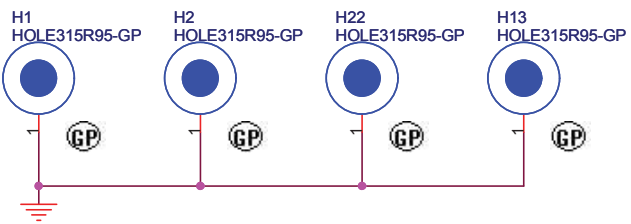
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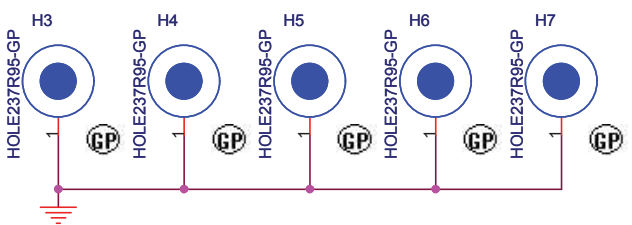


Constant Secure	YES	NO
R953	DY	ASM
C804		
R955		
Q110	ASM	DY
R957		
Q111		
R960		
R952	ASM	ASM

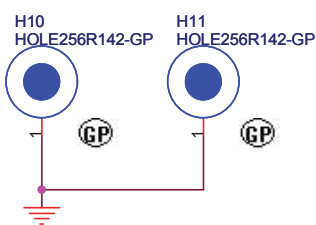
ZZ.00PAD.911



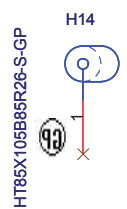
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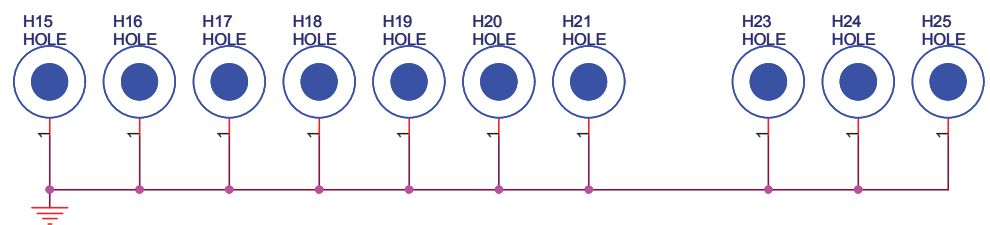
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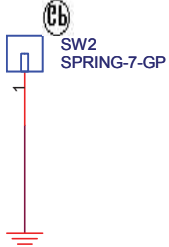
ZZ.SCREW.191



ZZ.0HOLE.XXX



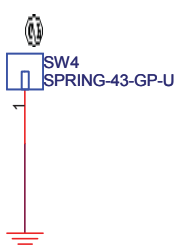
34.49U26.001
GND pad for docking connector



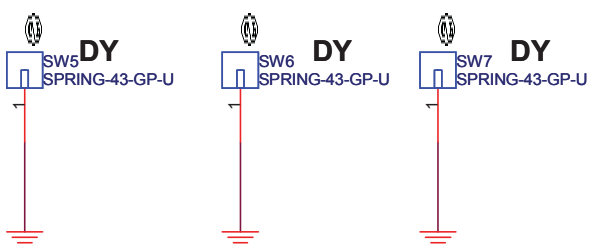
34.49U23.001
GND pad for docking connector



34.15J03.001
spring for EMI



34.15J03.001
spring for RF (SW5~SW7)



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HOLES/GND/PADS

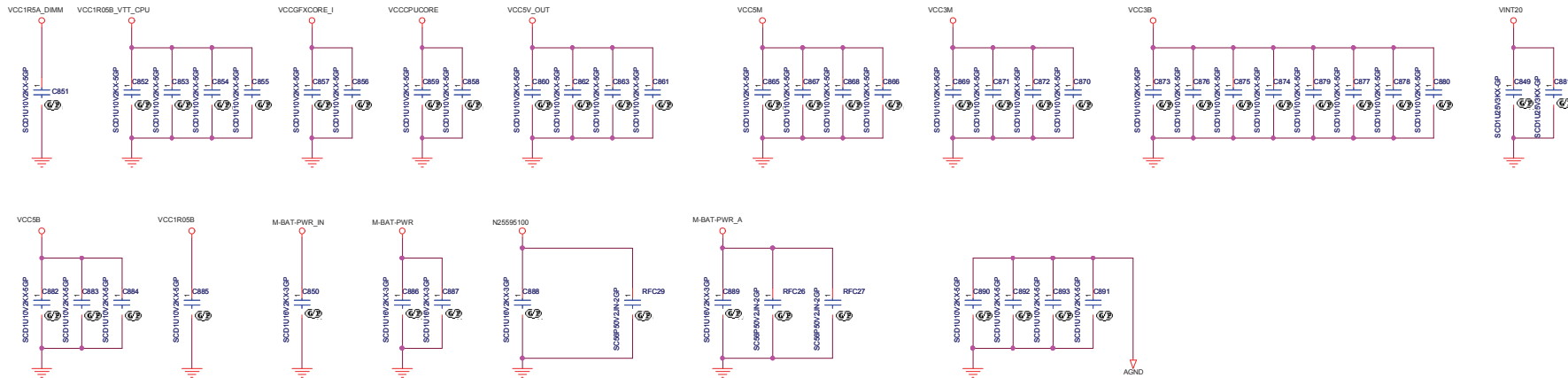
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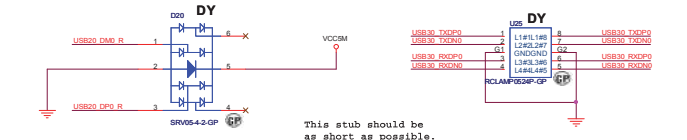
RF decoupling caps

named as RFCxxx

Long power trace EMI decoupling caps



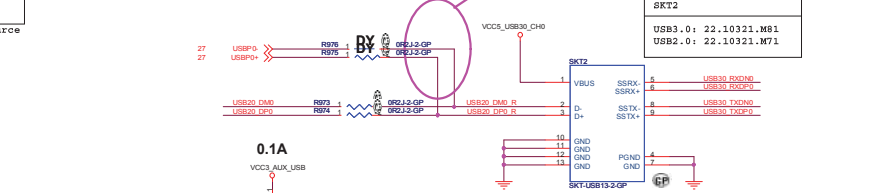
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TC5			
1st	SANYO	6TPC150M	77.21571.03L
2nd	PANASONIC	EEFCX0J151R	79.15710.2BL

Dasher's source

0.6A

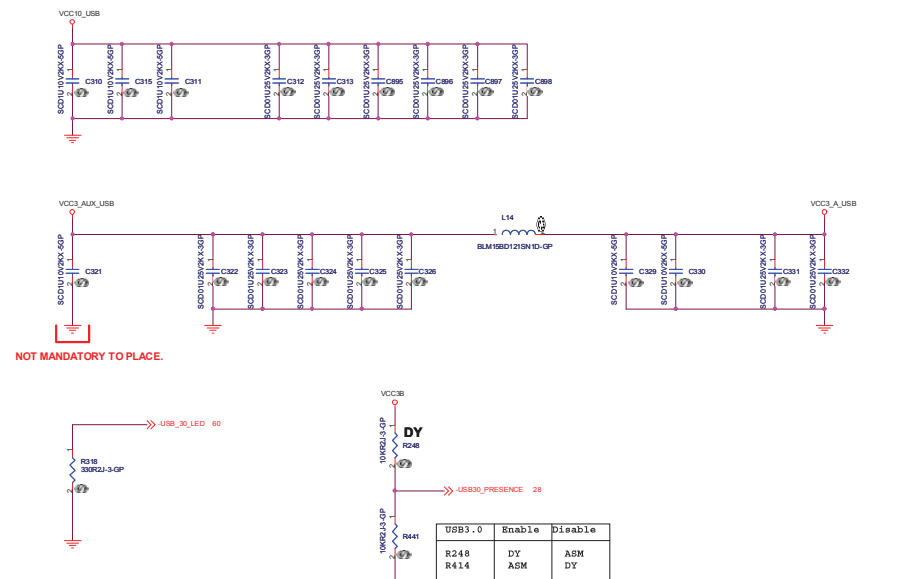


USB3.0 CONNECTOR

Pin	Signal	Component	Value
1st	MXIC	MX25L51218OC-20G	TSSOP8 72.25512.F09
2nd	AMIC	A25L512V-F	TSSOP8 72.25512.OOQ
3rd	CHINGIS	Pm25LD512C-DCE	TSSOP8 72.25512.R09

Currently, only Pm25LD512C is utilized by NRC.

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



USB3.0	Enable	Disable
R248	DY	ASM
R414	ASM	DY

	USB3.0 Enable	USB3.0 Disable
U23	TPS2069DGN	TPS2065DGN
D21	ASM	ASM
D22	ASM	DY
C353	ASM	ASM
R302	ASM	DY
R971	ASM	DY
R972	DY	ASM
C306	ASM	ASM
C307	ASM	ASM
TC5	ASM	ASM
□		
U61	ASM	DY
R965	ASM	DY
R964	DY	DY
R963	ASM	DY
C807	ASM	DY
L35	ASM	DY
R961	ASM	DY
R962	ASM	DY
C806	ASM	DY
C808	ASM	DY
R633	ASM	DY
□		
U26	ASM	DY
C314	ASM	DY
C316	ASM	DY
R313	ASM	DY
X3	ASM	DY
C317	ASM	DY
C318	ASM	DY
C319	ASM	DY
R440	ASM	DY
R314	ASM	DY
R315	ASM	DY
R316	ASM	DY
R317	ASM	DY
C310	ASM	DY
R412	ASM	ASM
Q120	ASM	DY
C333	ASM	DY
C334	ASM	DY
C335	ASM	DY
C336	ASM	DY
□		
U28	ASM	DY
R308	ASM	DY
R309	ASM	DY
R310	ASM	DY
C308	ASM	DY
□		
U24	ASM	DY
R638	ASM	DY
R303	ASM	DY
R305	ASM	DY
Q8	ASM	DY
□		
SKT2	USB3.0 Conn.	USB2.0 Conn.
R973	ASM	DY
R974	ASM	DY
R975	DY	ASM
R976	DY	ASM
□		
D20	DY	DY
D25	DY	DY
□		
C310	ASM	DY
C311	ASM	DY
C312	ASM	DY
C313	ASM	DY
C315	ASM	DY
□		
C320	ASM	DY
C321	ASM	DY
C322	ASM	DY
C323	ASM	DY
C324	ASM	DY
C325	ASM	DY
C326	ASM	DY
C327	ASM	DY
L14	ASM	DY
C329	ASM	DY
C330	ASM	DY
C331	ASM	DY
C332	ASM	DY
□		
R318	ASM	DY
□		
R248	DY	ASM
R441	ASM	DY

	USB3.0 Enable	USB3.0 Disable
R437	DY	ASM
R438	DY	ASM
R436	ASM	DY
R439	ASM	DY
D99	ASM	DY
D100	ASM	DY
R989	DY	ASM
R991	ASM	DY
R988	DY	ASM

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