N-note Block Diagram

June 18 ' 08

07247-1

Project Code: 91.4Y901.001

PCB(Raw Card):

Intel Penryn DC, QC, Extream Processor 3,5

AGTL+ FSB

1067/800MHz

Thermal Sensor LM26 5

ITP Conn. 6

Intel Cantiga-PM

DDR3 1067/800MHz

7,8,9,10,11,12

UNBUFFERED DDR3 SODIMM Normal/Reverse Socket 13

Channel A DDR3 1067/800

UNBUFFERED DDR3 SODIMM Normal/Reverse Socket 14

Channel B DDR3 1067/800

204-PIN DDR3 SODIMM

Clock Generator MLF68 15

Thermal Sensor EMC1428 53

I2C Bus / SM Bus Bus Switch IC 54

SMBus

PCIE (16X)

nVidia/ATI MXM model 16

Keyboard Light

LVDS

17"WXGA+/WUXGA 21-22

CRT SELECTION 23

CRT Port 24

Display Port/DVI 17-20

DVI TO DOCKING 20

DMI x4

SATA HDD x2

Serial ATA I/F Port0, 1

SATA ODD 33

Serial ATA I/F Port 2

Intel ICH9-M

USB 2.0 (12 ports)

LAN Connect I/F (LCI)

AC97 2.3/Azalia Interface

Serial ATA 150MB/s

ACPI 2.0

LPC I/F

PCI Rev 2.3

PCI Express

INT. RTC

25,26,27,28,29,30

IEEE1394 CONN 35

RICOH R5C847

Cardbus + IEEE1394 + 4IN1 SLOT

74-75

Power Switch R5534 76

4in1 CardReader

Cardbus

PCI Bus / 33MHz

PCIE/USB 2.0 CH2

Mini PCI-E WLAN Card 40

PCIE/USB 2.0 CH3

Mini PCI-E ROBSON Card 40

PCIE/USB 2.0 CH4

Mini PCI-E WUSB Card 41

PCIE/USB 2.0 CH7

Express Card Solt

PCIE/USB 2.0 CH5

SMART CARD

HP OUT

Int. MIC

MIC IN

OP AMP. AN12946A

AUDIO CODEC CX20561_15Z

AMoM 43

S/PDIF_O

Azalia bus

PCI Express

INTEL GLAN BOAZMAN 44

GBE Switch PI3L500AZFEX 45

Docking 56

RJ45 CONN. 39

SPI

SPI-FLASH 42

LPC Bus / 33MHz

Finger Print 47

CH8

USB 2.0

Bluetooth (LCD Conn) 26

CH9

USB 1 34

USB 2 34

CH0,1

CH10

G-Sensor 50

KBC H8S/F2116TE20V 44,45

SUPER I/O WINBOND WPCN385 52

LPC Debug Board Conn 17

PMH-7 G/A 51

Int. KB Track point IV 60

USB Hub SMSC USB20H04

PCI Express

S/PDIF_O

HP OUT MIC IN S/PDIF

CRT RJ45

DOCKING

USB x 4 DVI DP eSATA DC-IN

PCB Layer Stackup

L1:Component
L2:GND
L3:Signal 1
L4:Signal 2
L5:GND
L6:VCC
L7:Signal 3
L8:Signal4
L9:GND
L10:Component

Battery Charger/Selector MAX8765 57

INPUTS	OUTPUTS
DOCK_PWR20_F	M-BAT-PWR S-BAT-PWR

System DC/DC TPS51221 61

VINT20	VCC5M VCC3M

CPU DC/DC ADP3207JCPZ 62

VINT20	VCCGFXCORE

VCC1R05AMT/VCC1R5A MAX1540ETJ 65

VCC5V_OUT	VCC1R05AMT VCC1R5A

VCC0R75AMT BD3533 66

VCC1R5A	VCC0R75AMT

VCC1R8B BD3550 73

VCC3M	VCC1R8B

VCC1R05AUX/1R8AUX BD3550 72

VCC3M	VCC1R05AUX VCC1R8AUX

<Variant Name>

Date: Thursday, June 26, 2008

Wistron Corporation

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

Title: Note

Size: A3 Document Number: 1 Rev: 1

Sheet 1 of 83

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 Ceremic, 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]

ICH8-M GPIOn	39	38	37	36	Planar ID Version	Planar PCB Version
PLANAR_IDn	3	2	1	0		
	0	0	0	0	N-note Pre-DV	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

Stage	Date	EC No.	Page	Note

PCI TABLE

DEVICE	IDSEL	IRQ (Default)	REQ# / GNT#
MINIPCI SLOT	AD18	F, G	REQ# 3/ GNT#3
CARDBUS R5C811	AD16	SERIRQ	REQ#0 / GNT#0
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	

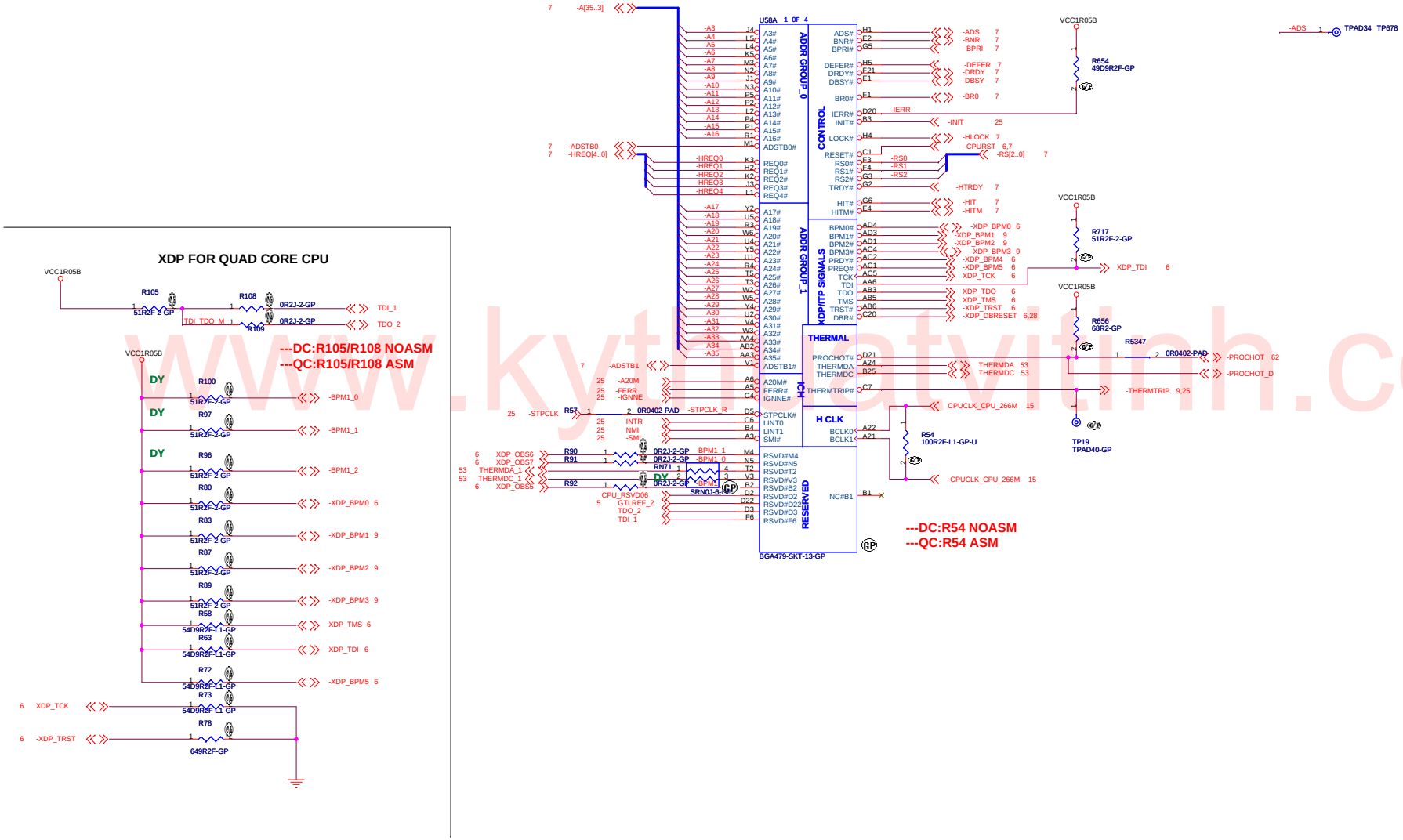
<Variant Name>

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

Title: Reference

Size: Custom | Document Number: N-Note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 2 of 83



<Variant Name>

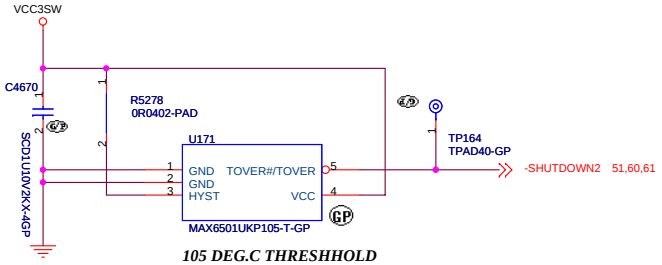
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title: Penryn CPU(1/1)

Size	Document Number	Rev
C	N-Note	1

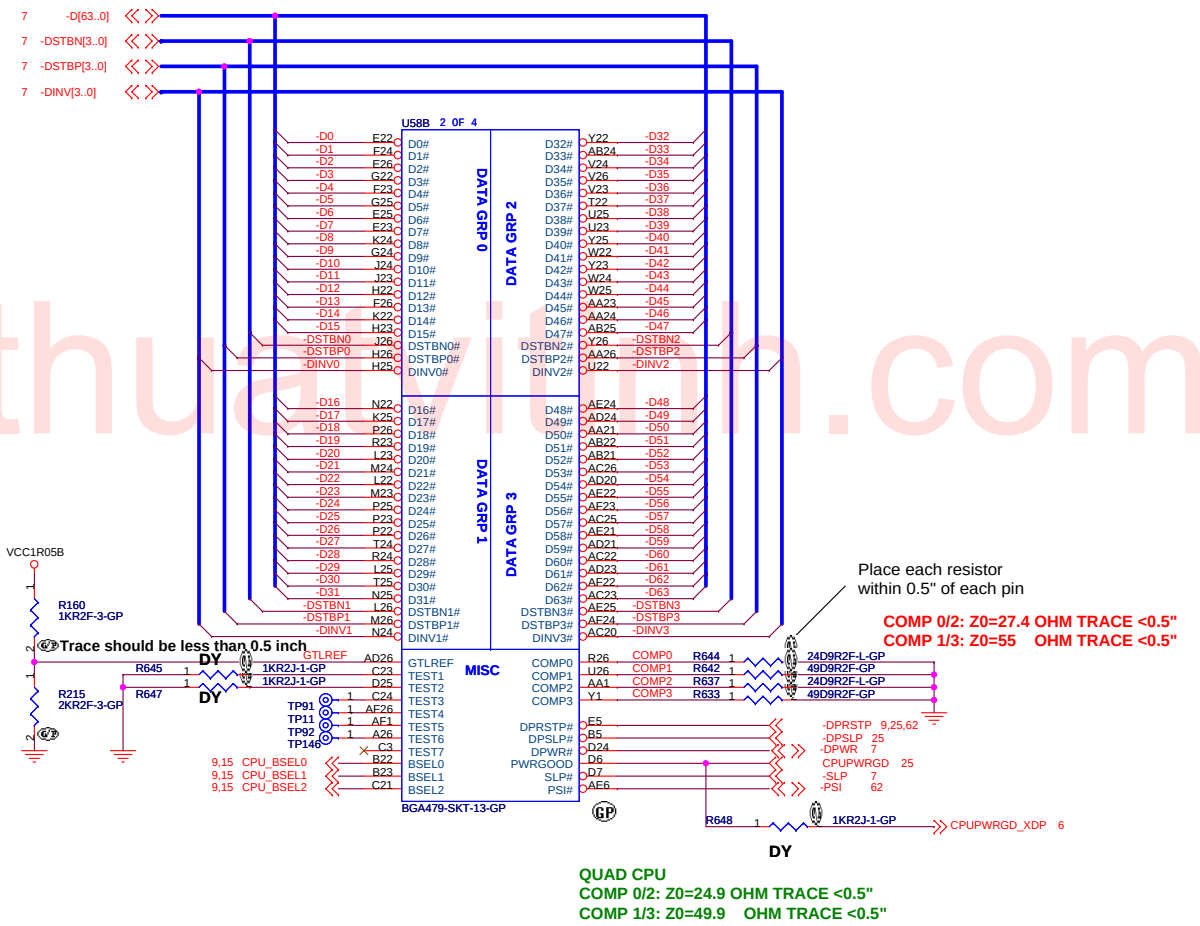
Date: Thursday, June 26, 2008 Sheet 3 of 83

Thermal Sensor for CPU



105 DEG.C THRESHHOLD

U1	R1601	
NS LM26 MAXIM MAX6519	NO_ASM	
MAXIM MAX6501 ADI ADT6501	ASM	PRIMARY



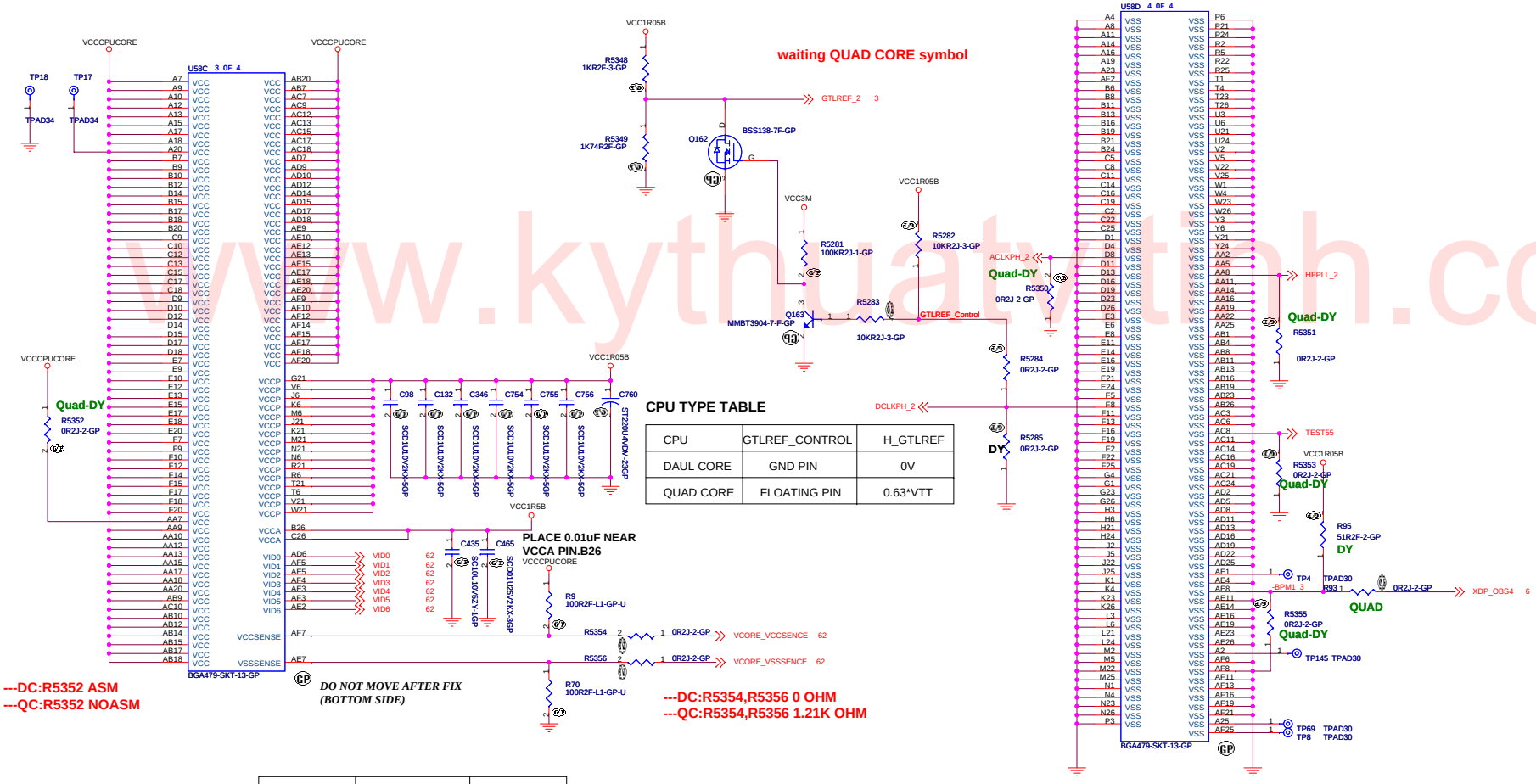
<Variant Name>

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

Title: Penryn CPU(2/3)

Size: Custom | Document Number: N-Note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 4 of 83



CPU TYPE TABLE

CPU	GTLREF_CONTROL	H_GTLREF
DAUL CORE	GND PIN	0V
QUAD CORE	FLOATING PIN	0.63*VTT

CPU	R5354	R5356
DAUL CORE	0 OHM	0 OHM
QUAD CORE	1.21K 1%	1.21K 1%

<Variant Name>

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

Title: CPU(3/3)

Size: C | Document Number: N-Note | Rev: 1

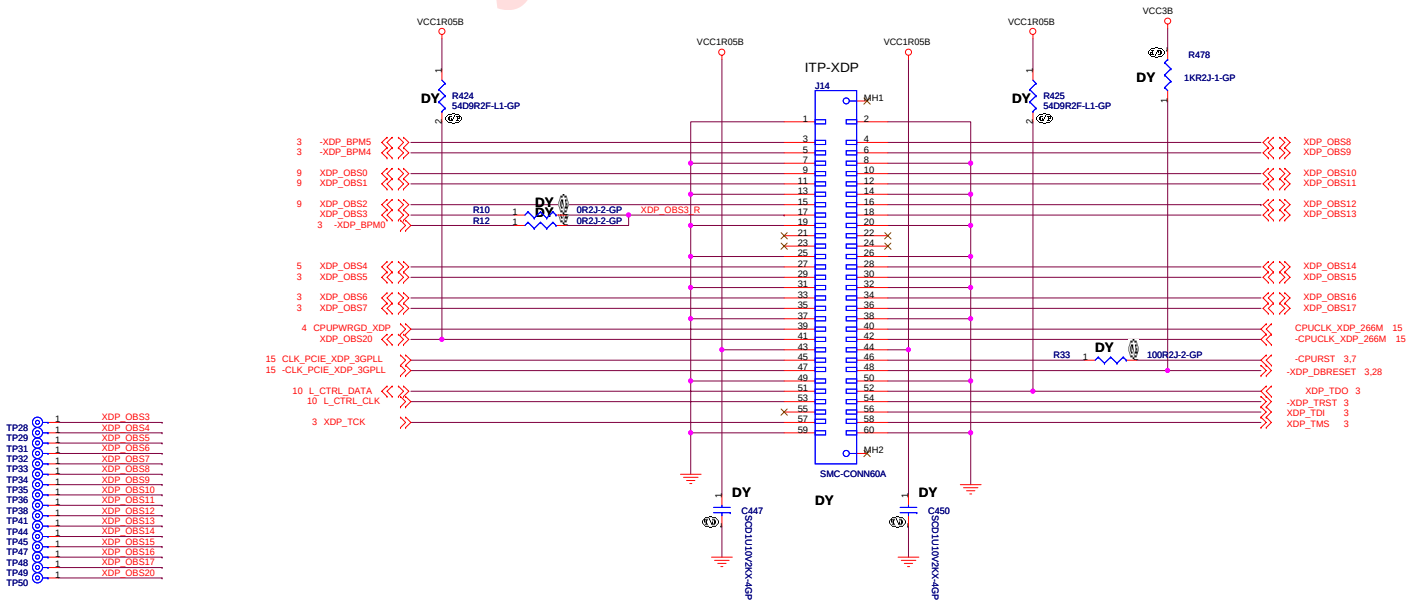
Date: Thursday, June 26, 2008 | Sheet 5 of 83

Logic

Ref Des	For ITP-XDP
J14	NO_ASM-->ASM
R424	ASM (No Change)
R425	ASM (No Change)
R478	ASM (No Change)
R478	ASM (No Change)
R10	ASM (No Change)
R12	ASM (No Change)
R33	ASM (No Change)
C447	ASM (No Change)
C450	ASM (No Change)

(*1) TCK SIGNAL IS BRANCHED AT CPU's PIN

(*2) -CPURST SIGNAL IS BRANCHED AT GMCH's PIN



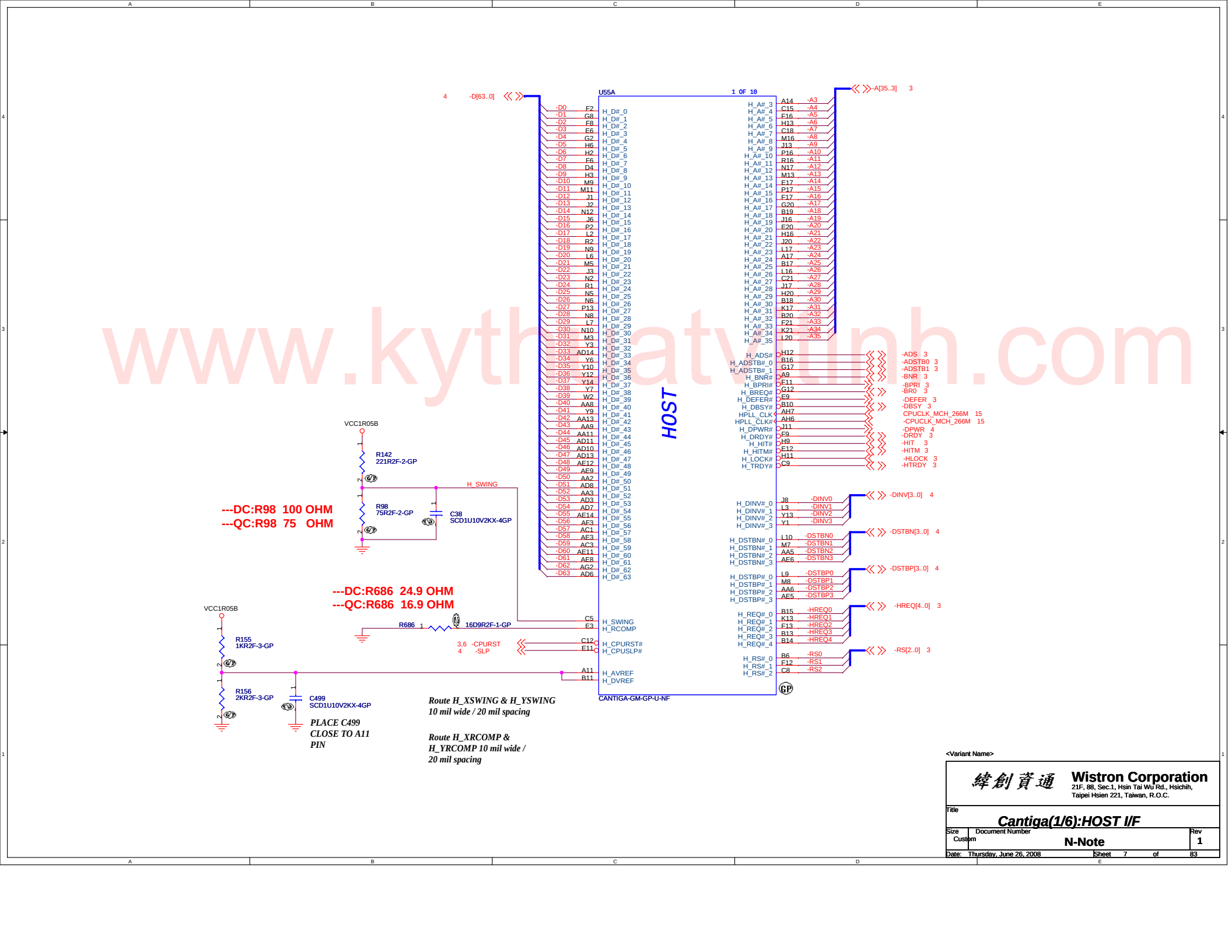
<Variant Name>

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

Title: ***XDPCONN***

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 6 of 83



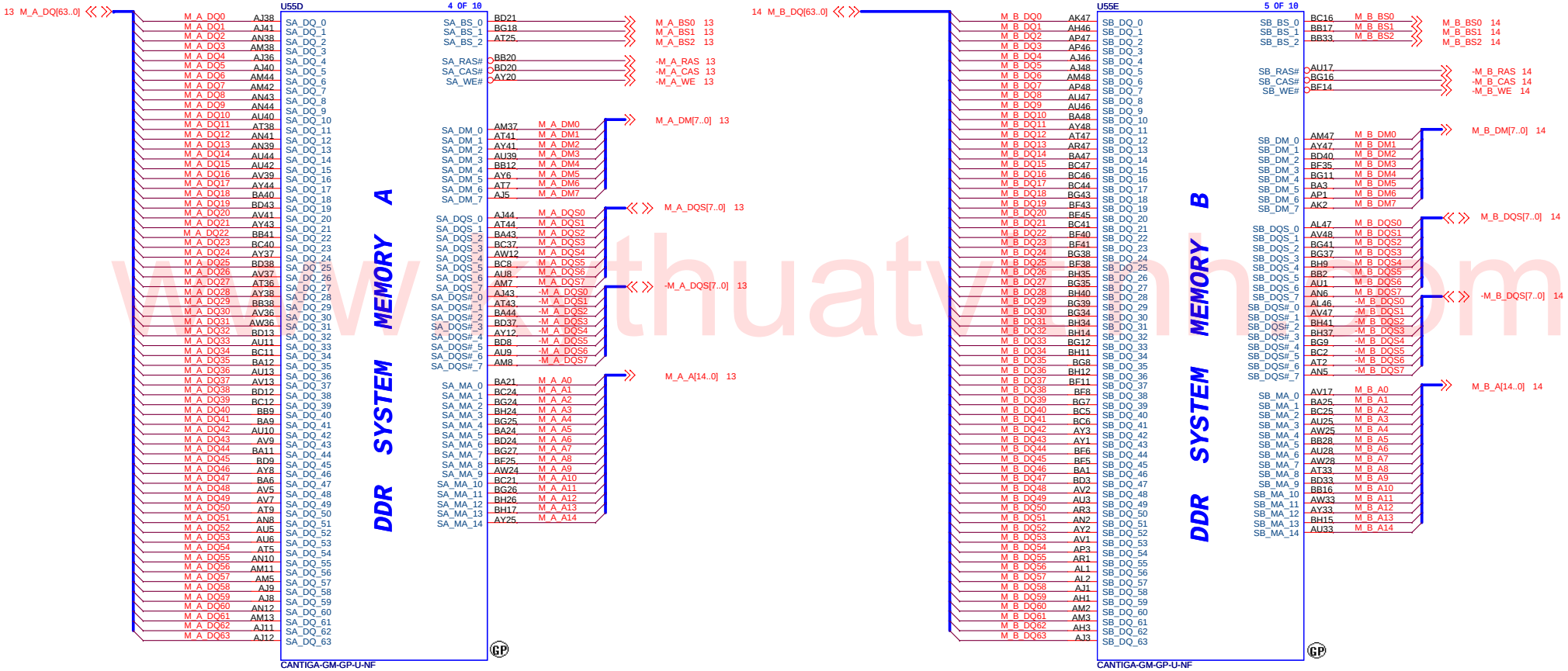
<Variant Name>

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

Title: Cantiga(1/6):HOST I/F

Size	Document Number	Rev
Custom	N-Note	1

Date: Thursday, June 26, 2008 Sheet 7 of 83



<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: Cantiga(2/6):DDR3 A/B CHANNEL

Size	Document Number	Rev
Custom	N-Note	1

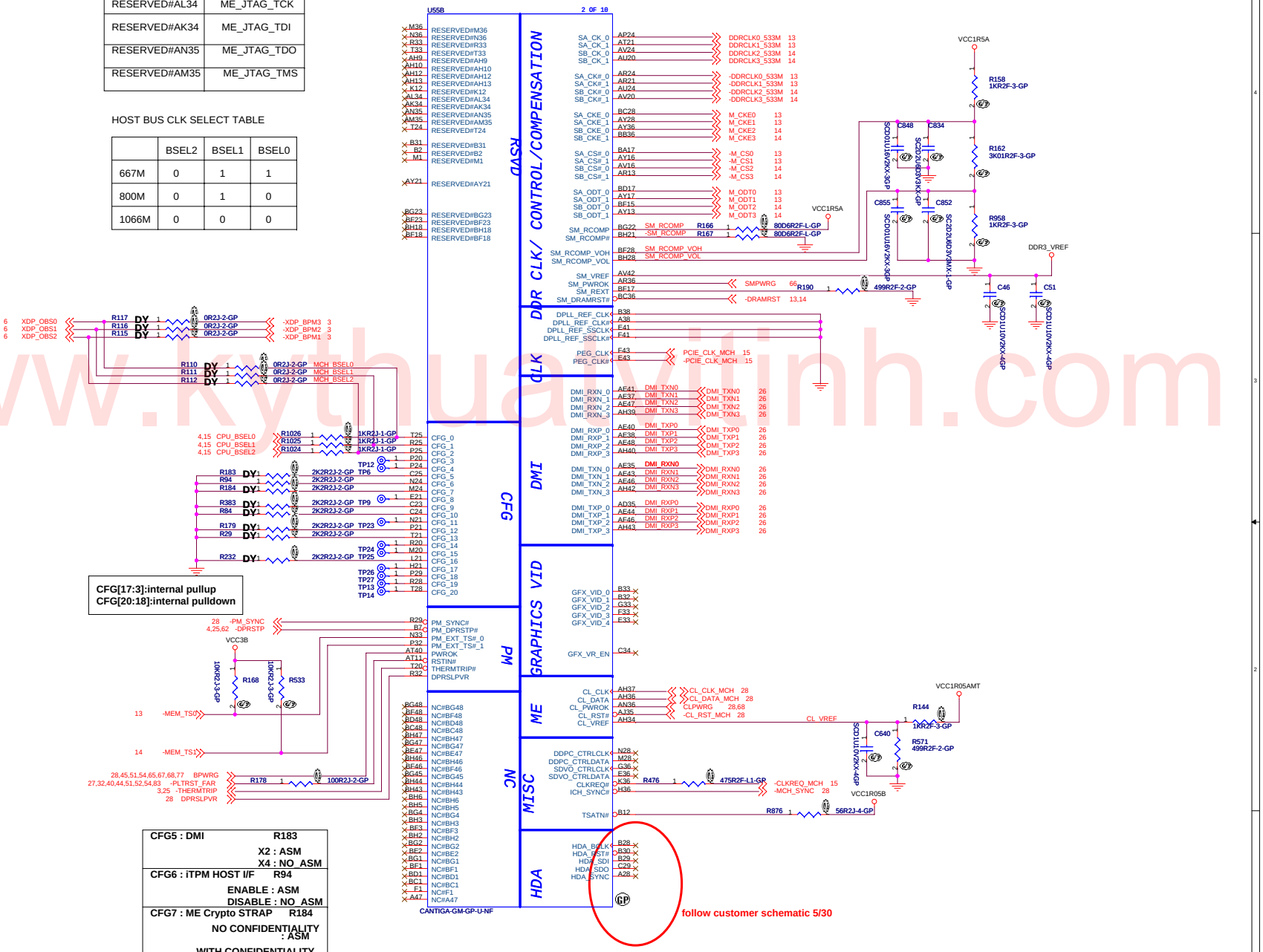
Date: Thursday, June 26, 2008 Sheet 8 of 83

ME DEBUG PORT PIN OUT TABLE

RESERVED#AL34	ME_JTAG_TCK
RESERVED#AK34	ME_JTAG_TDI
RESERVED#AN35	ME_JTAG_TDO
RESERVED#AM35	ME_JTAG_TMS

HOST BUS CLK SELECT TABLE

	BSEL2	BSEL1	BSEL0
667M	0	1	1
800M	0	1	0
1066M	0	0	0



CFG5 : DMI	R183 X2 : ASM X4 : NO_ASM
CFG6 : iTPM HOST I/F	R94 ENABLE : ASM DISABLE : NO_ASM
CFG7 : ME Crypto STRAP	R184 NO CONFIDENTIALITY : ASM WITH CONFIDENTIALITY : NO_ASM
CFG9 PEG PORT	R383 LANE REVERSAL : ASM NORMAL : NO_ASM

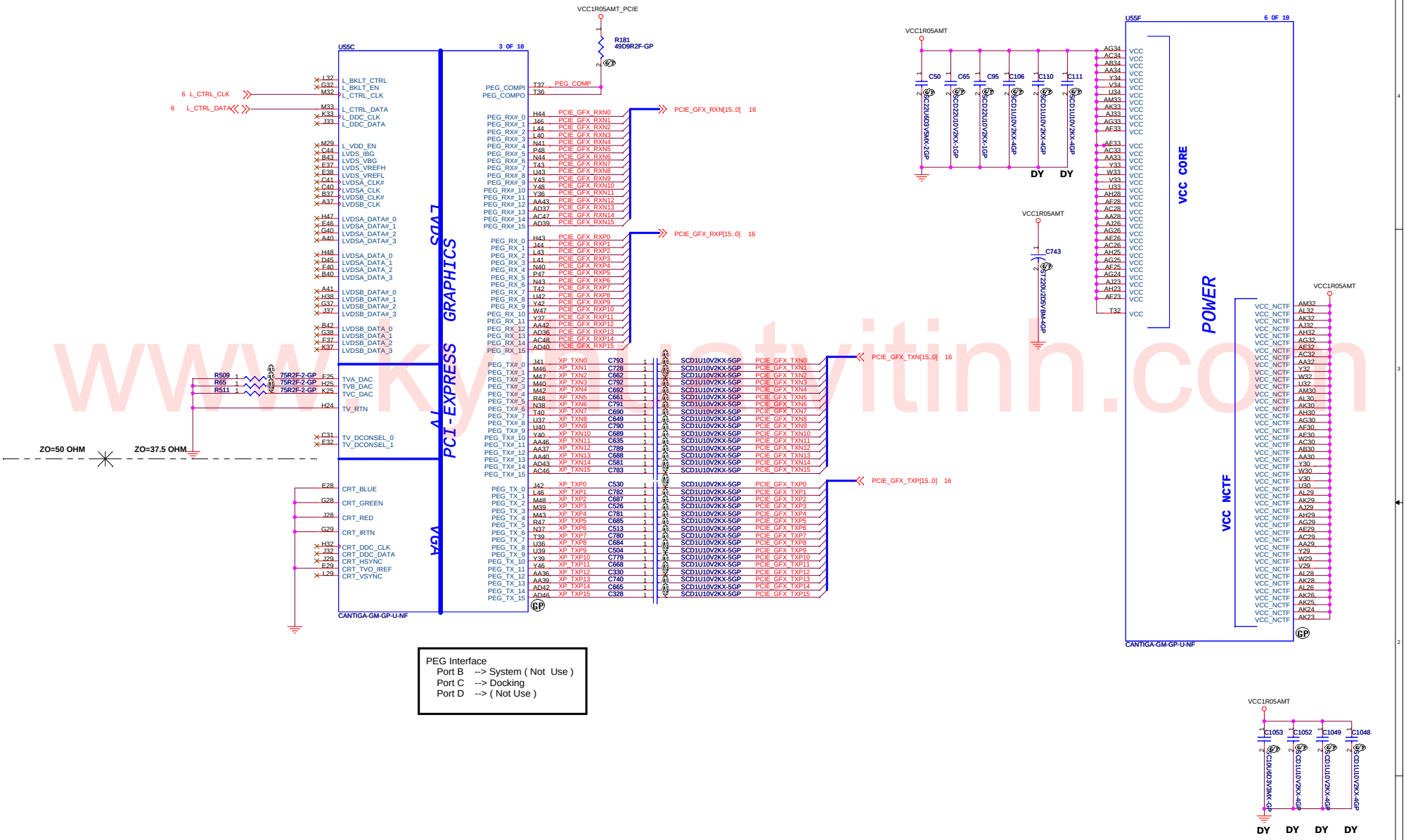
<variant_name>

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

Title: Cantiga(3/6):DMI/PM/CFG/GF

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 9 of 83



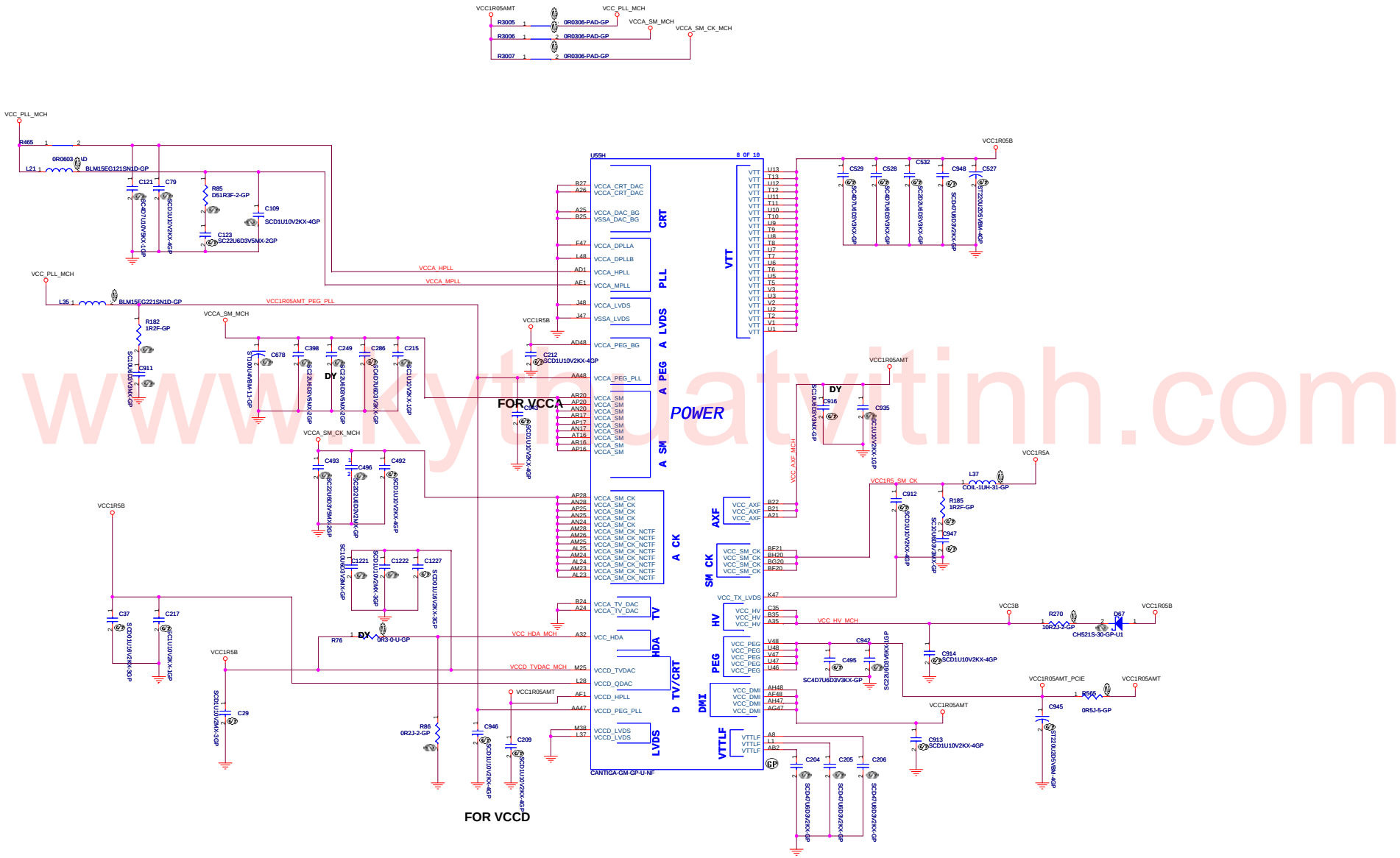
<Variant Name>

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

Title: Cantiga(4/6):PEG/GRAPHICS

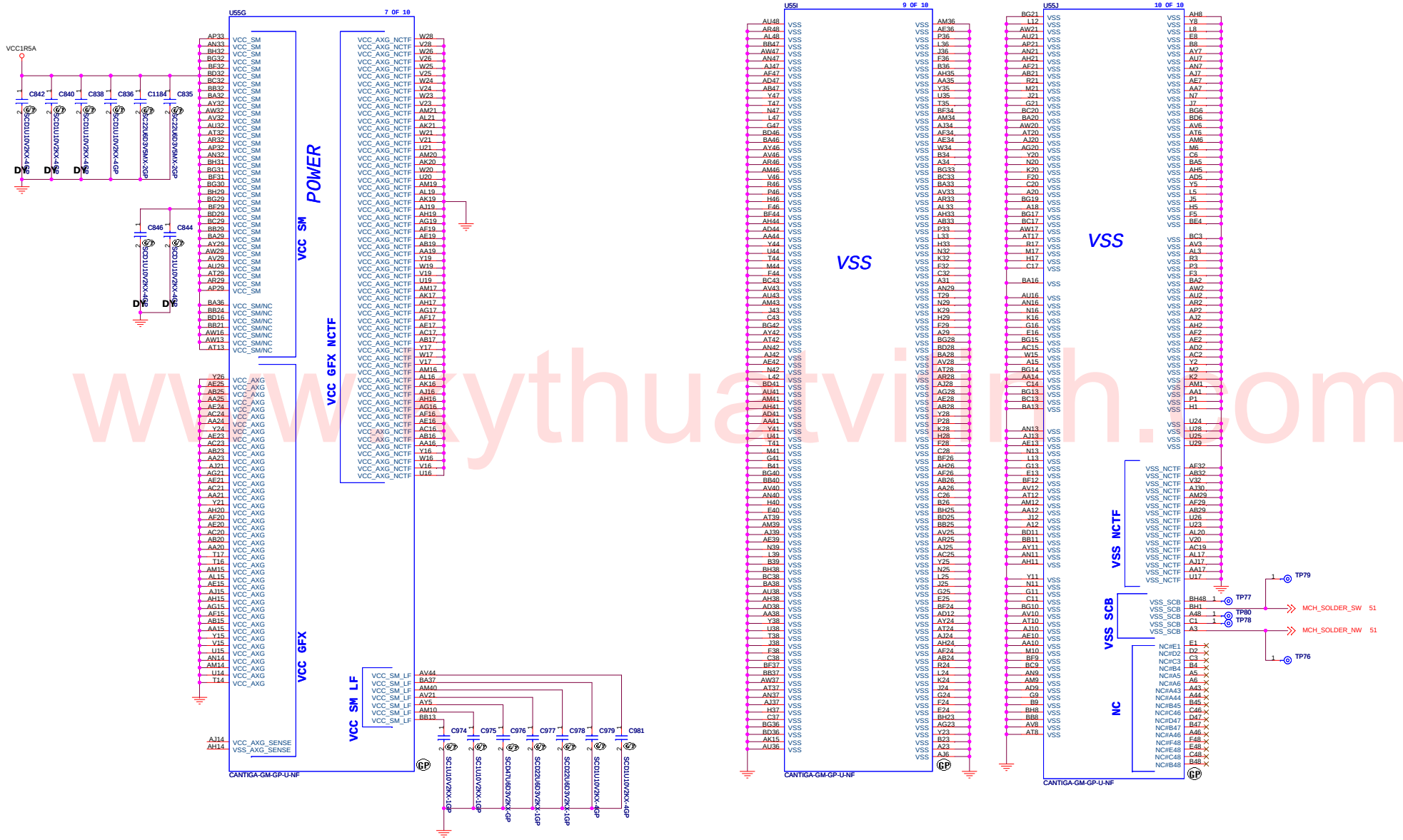
Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 10 of 83



<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: Cantiga(5/6):VCC		
Size: Custom	Document Number: N-Note	Rev: 1
Date: Thursday, June 26, 2008	Sheet 11 of 83	



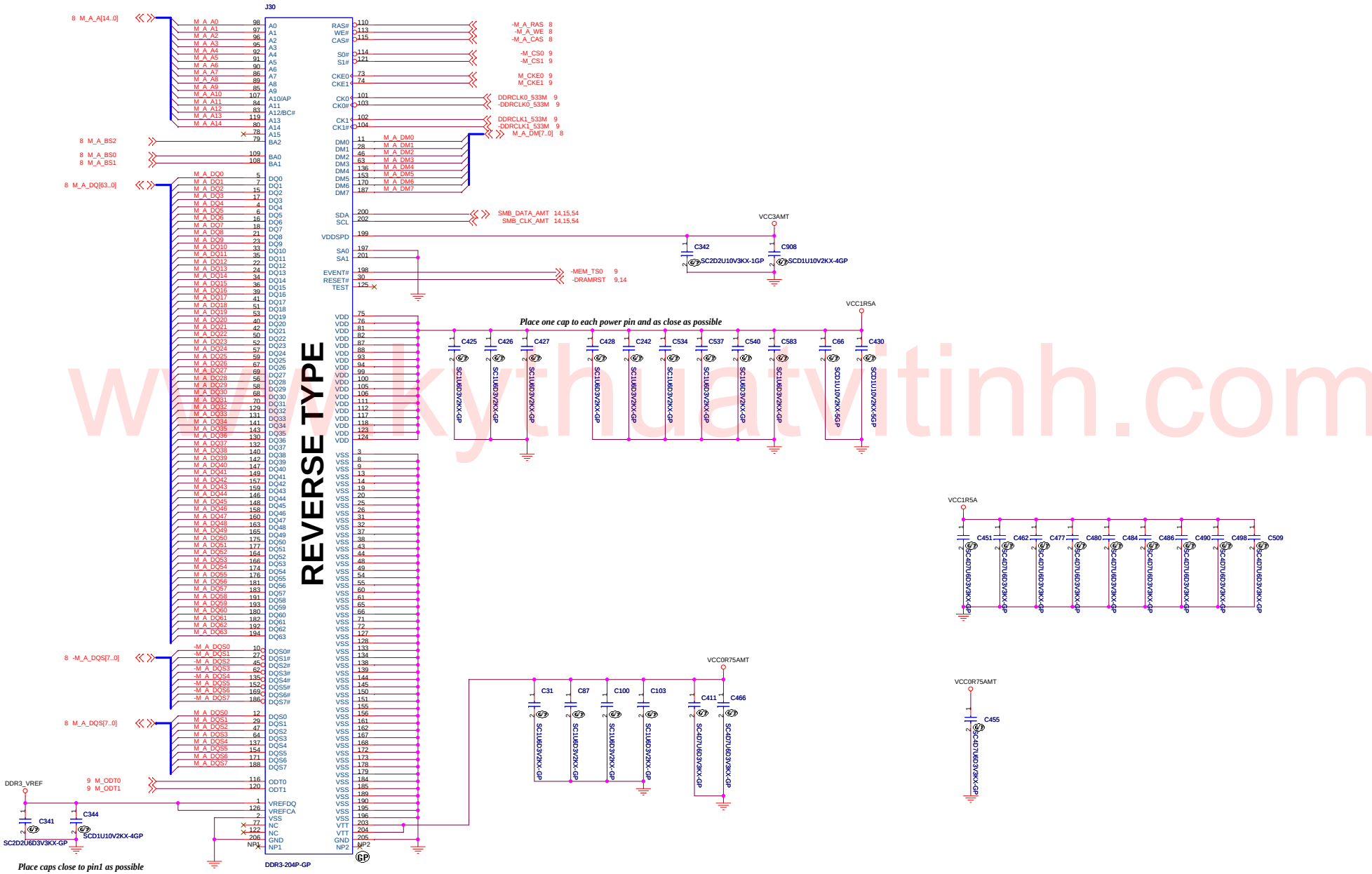
<Variant Name>

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

Title: Cantiga(6/6):GND

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 12 of 83



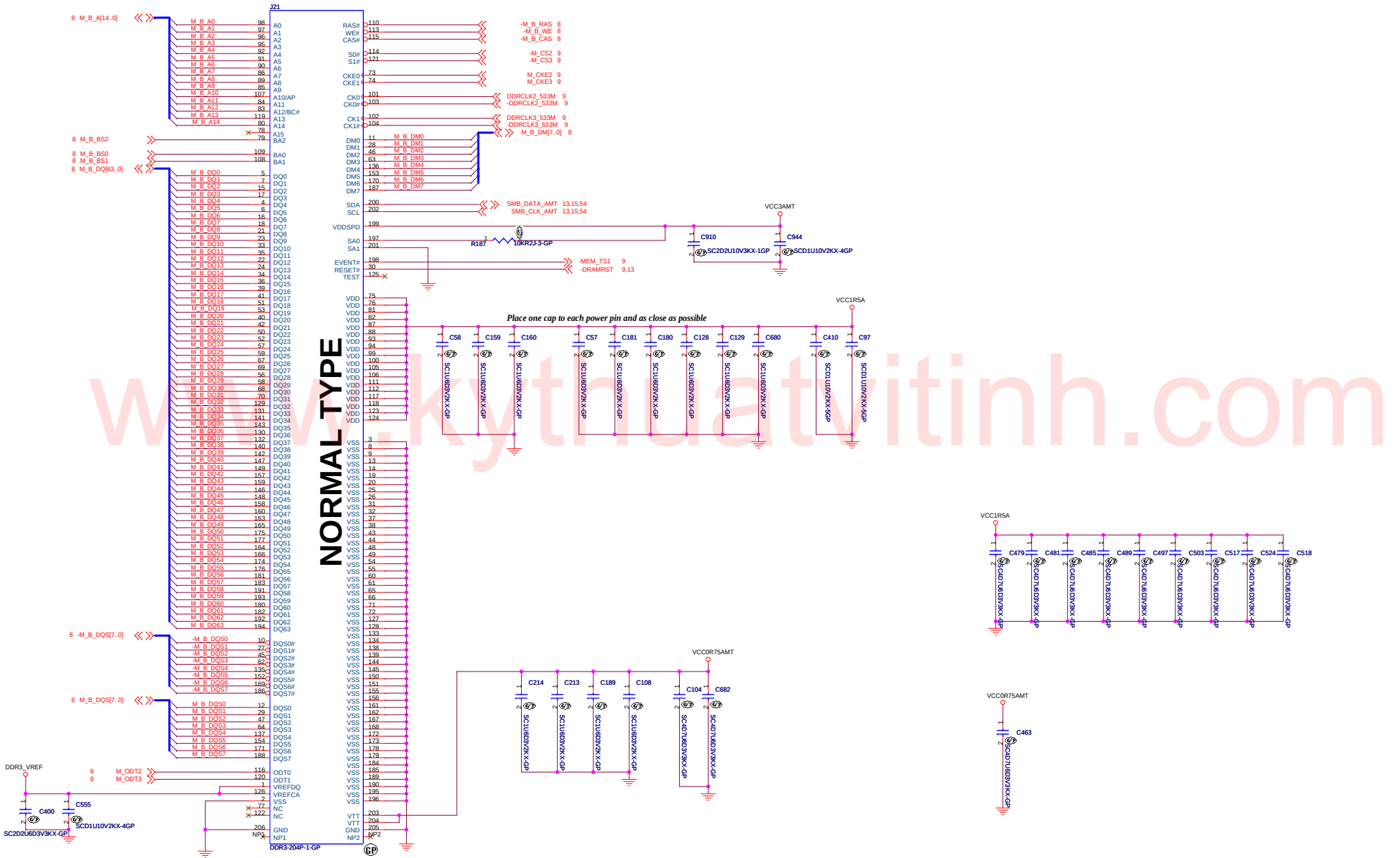
<Variant Name>

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

Title: DDR3 SODIMM-A(REVERSE TYPE)

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 13 of 83



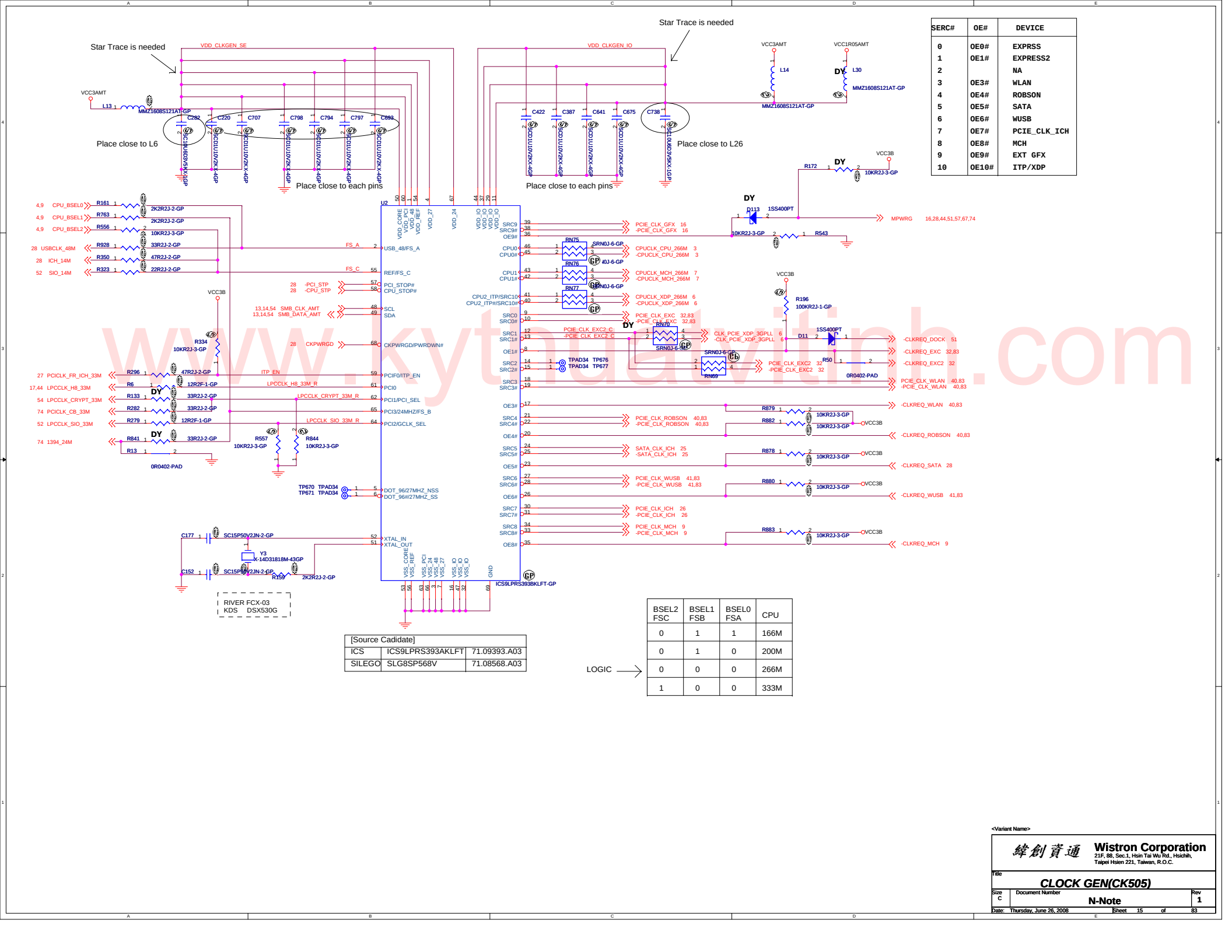
<Variant Name>

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

Title: DDR3 SODIMM-B (NORMAL TYPE)

Size: C | Document Number: N-Note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 14 of 83



SERC#	OE#	DEVICE
0	OE0#	EXPRSS
1	OE1#	EXPRESS2
2		NA
3	OE3#	WLAN
4	OE4#	ROBSON
5	OE5#	SATA
6	OE6#	WUSB
7	OE7#	PCIE_CLK_ICH
8	OE8#	MCH
9	OE9#	EXT GFX
10	OE10#	ITP/XDP

[Source Cadidate]		
ICS	ICS9LPRS393AKLFT	71.09393.A03
SILEGO	SLG8SP568V	71.08568.A03

BSEL2 FSC	BSEL1 FSB	BSEL0 FSA	CPU
0	1	1	166M
0	1	0	200M
0	0	0	266M
1	0	0	333M

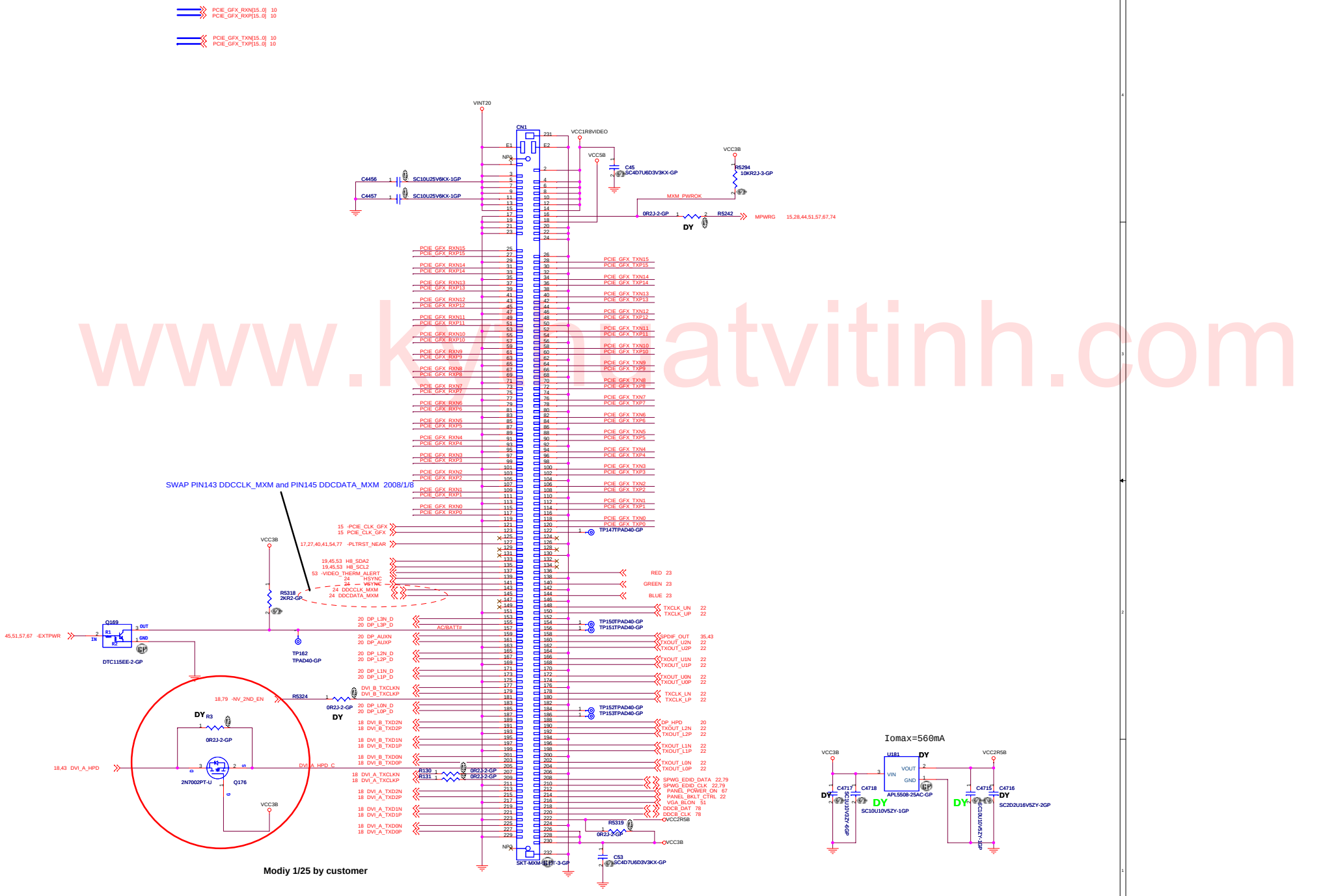
<Variant Name>

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

Title: CLOCK GEN(CK505)

Size: C | Document Number: N-Note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 15 of 83



<Variant Name>

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

Title: **MXM CONN.**

Size	Document Number	Rev
Custom	N-Note	1

Date: Thursday, June 26, 2008 Sheet 16 of 83

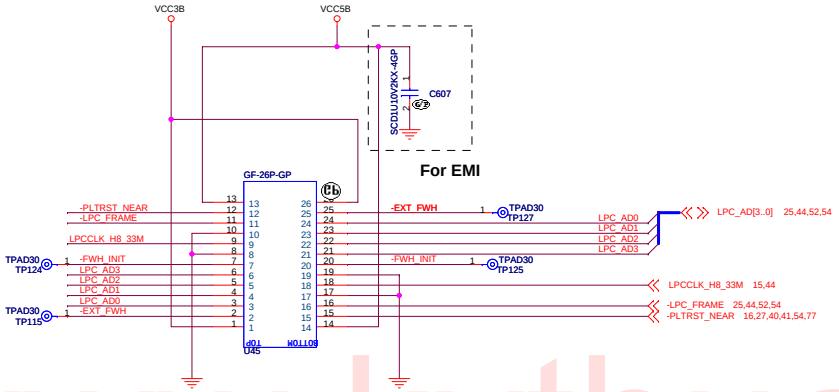
Golden Finger for Debug Board

(BOTTOM VIEW)

TOP VIEW

(14)(15) ····(25)(26)

1 2 ···· 12 13



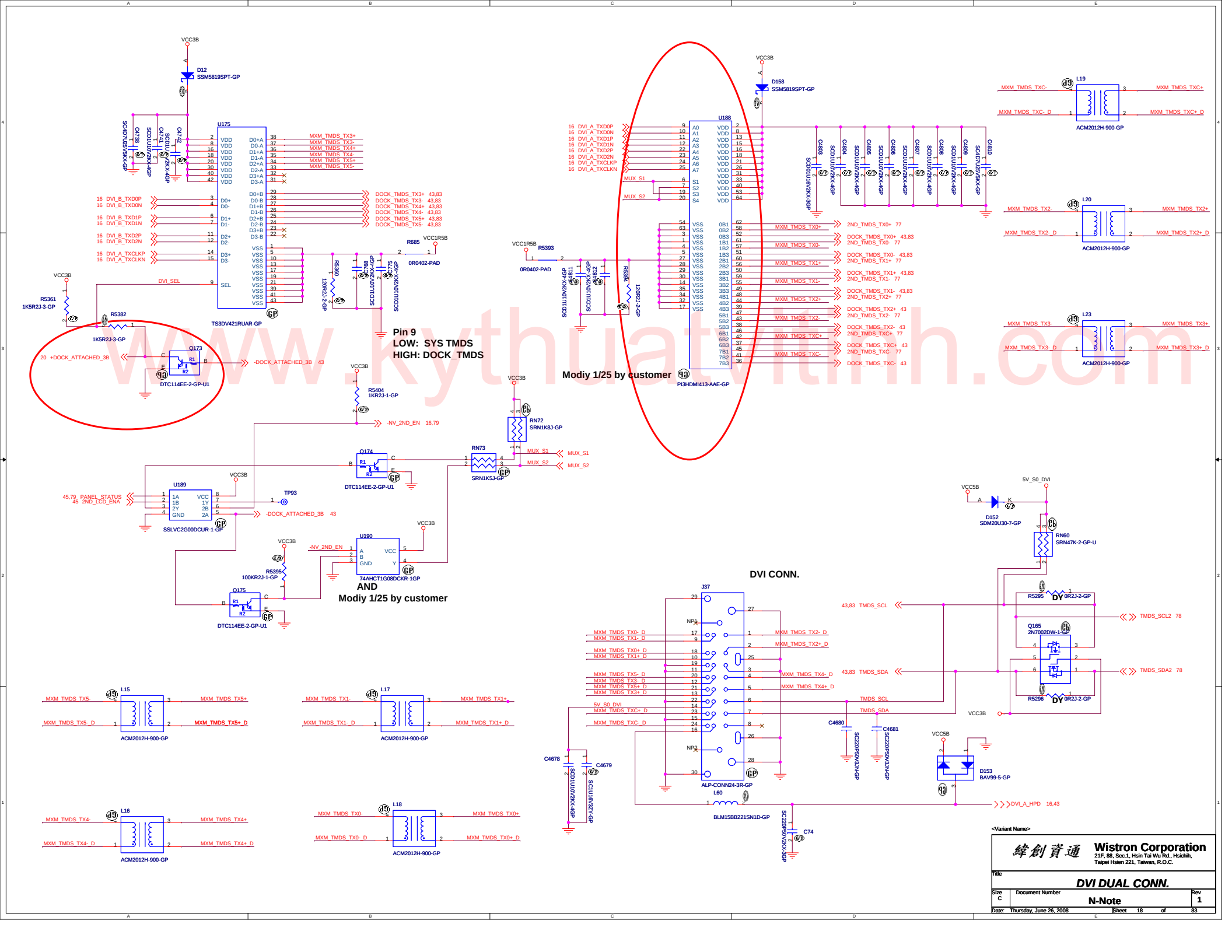
<Variant Name>

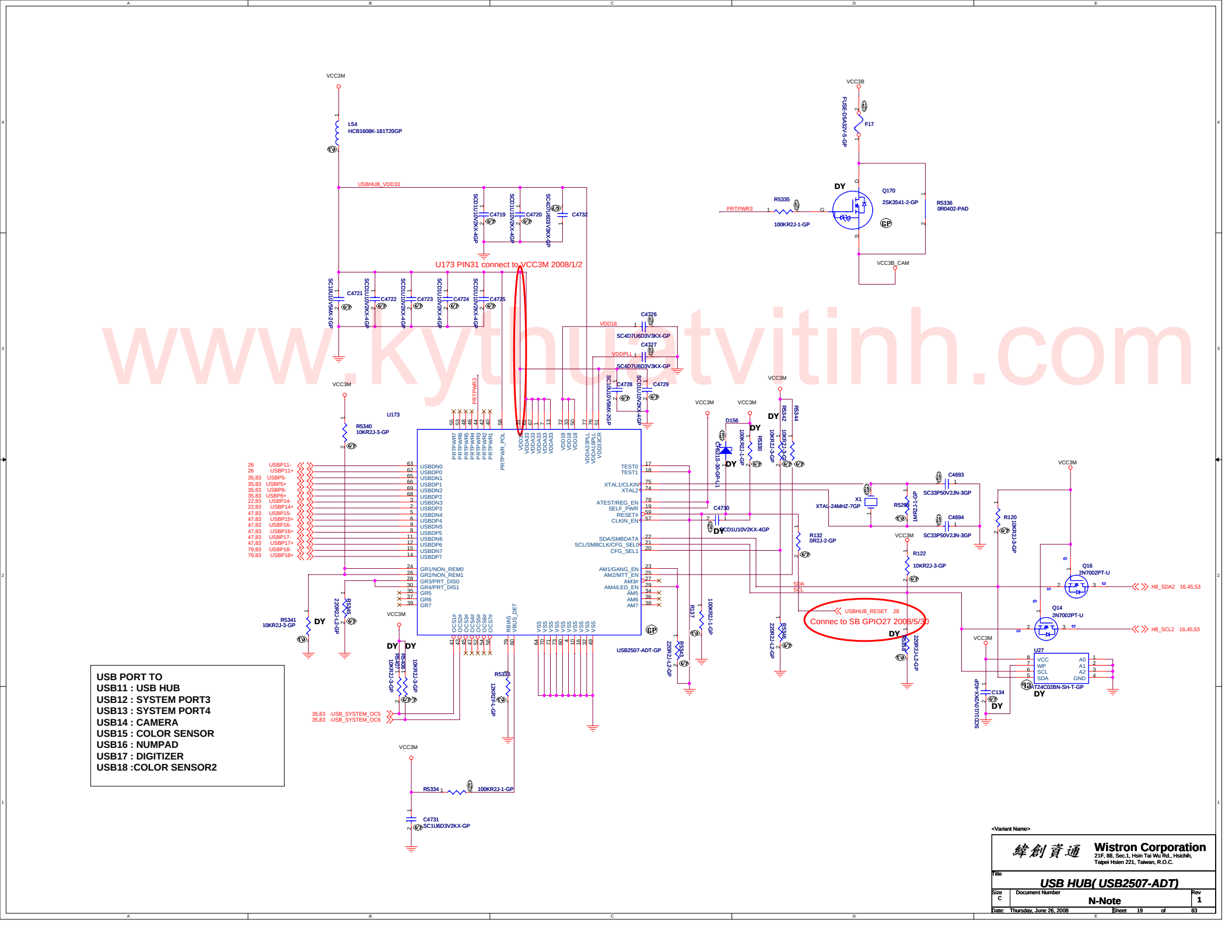
緯創資通 **Wistron Corporation**
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title: ***Debug Board***

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 17 of 83





USB PORT TO
USB11 : USB HUB
USB12 : SYSTEM PORT3
USB13 : SYSTEM PORT4
USB14 : CAMERA
USB15 : COLOR SENSOR
USB16 : NUMPAD
USB17 : DIGITIZER
USB18 :COLOR SENSOR2

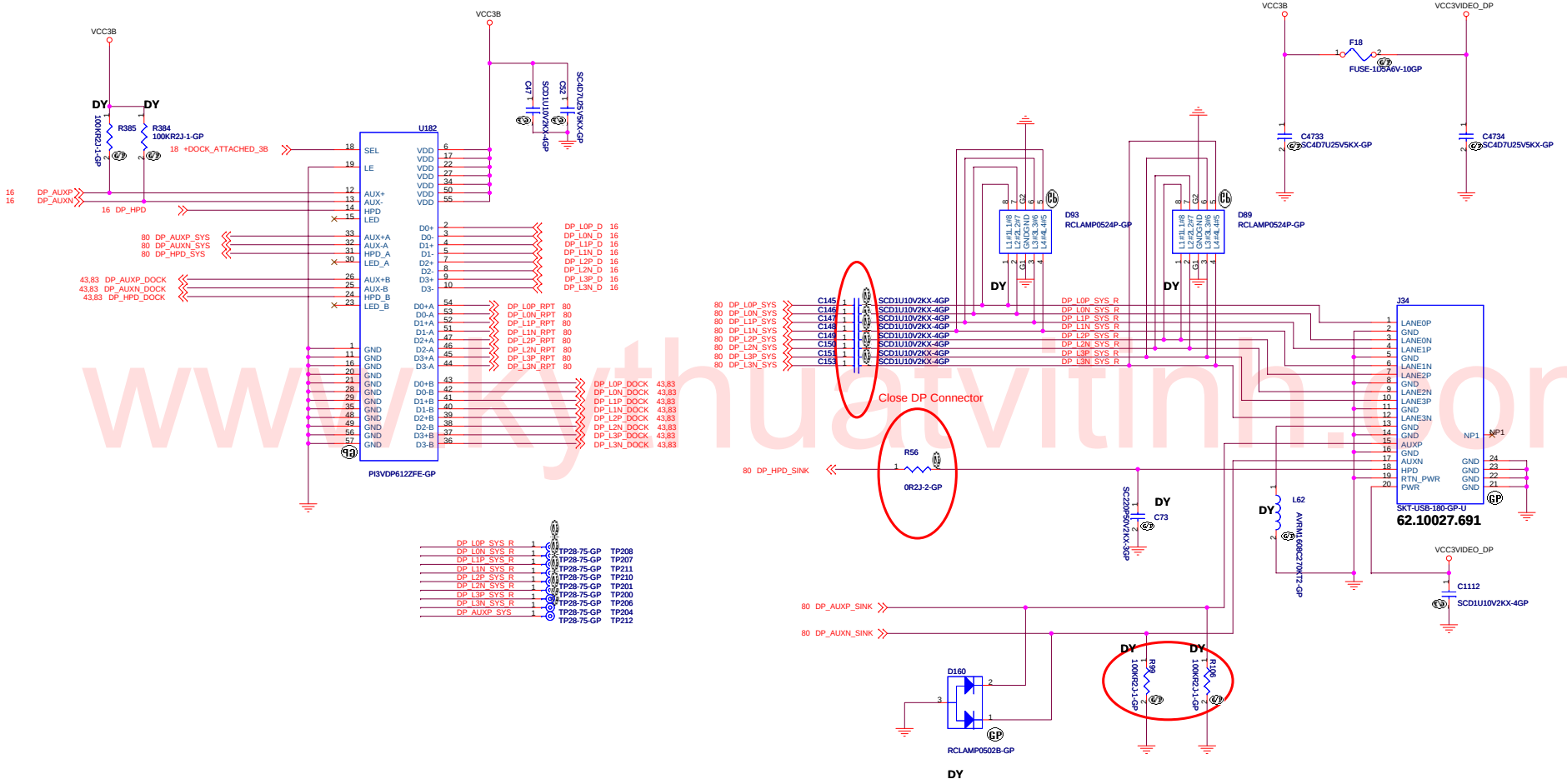
<Variant Name>

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

Title: **USB HUB(USB2507-ADT)**

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 19 of 83



<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	**Display Port-DVI Selector**
Size C	Document Number **N-Note** Rev 1
Date: Thursday, June 26, 2008	Sheet 20 of 83

18,45,79 PANEL_STATUS

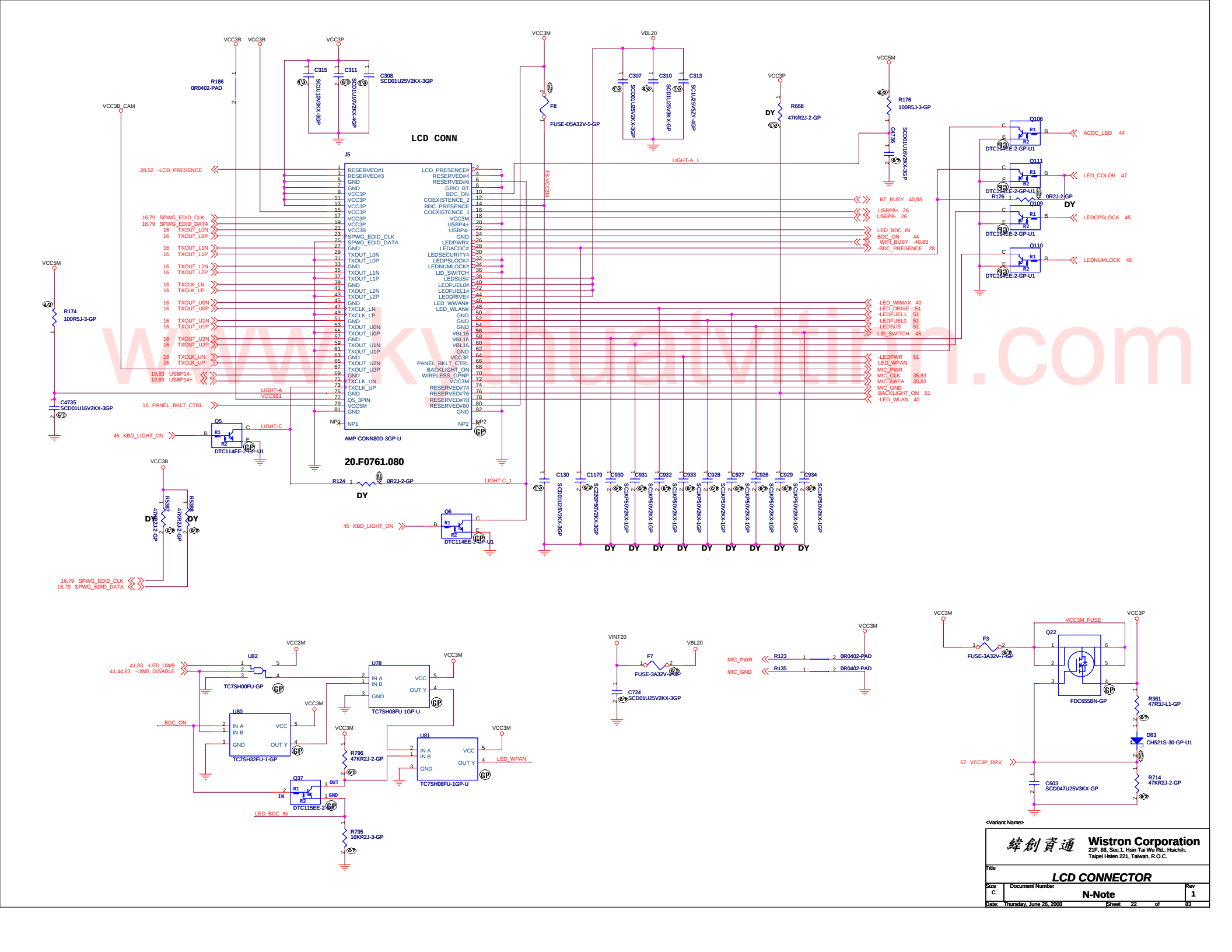
<Variant Name>

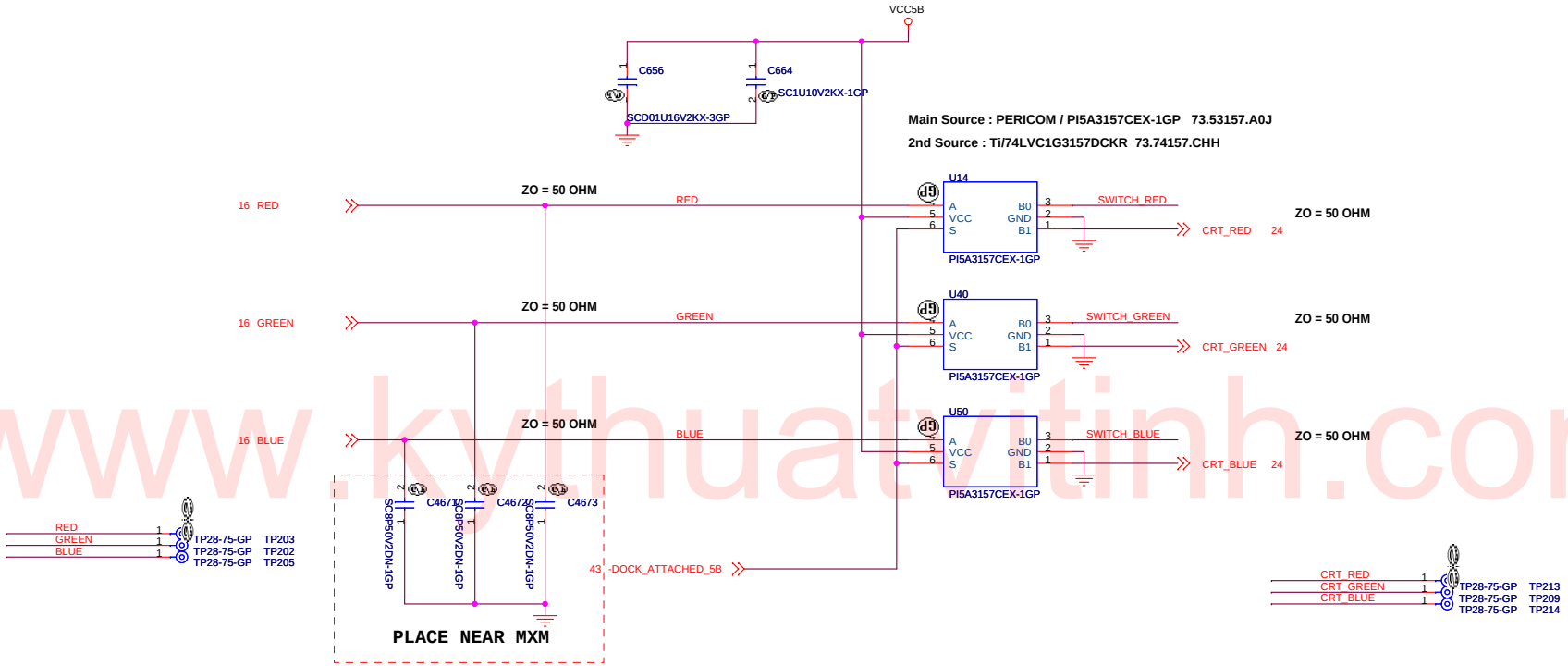
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

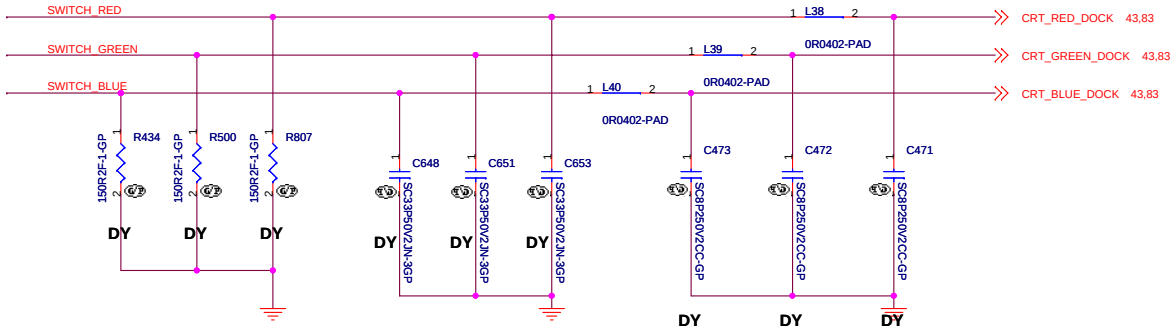
Title: LCD SWITCH

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 21 of 83


LCD CONN
J5
AMP-CONN80D-3GP-U
20.F0761.080
LCD_PRESENCE
LIGHT-A
LIGHT-C
PANEL_BKLT_CTRL
KBD_LIGHT_ON
SPWG_EDID_CLK
SPWG_EDID_DATA
USBP14-
USBP14+
LED_WIMAX
LED_DRIVE
LEDFUEL1
LEDFUEL0
LEDSUS
LID_SWITCH
LEDPWR
LED_WPAN
MIC_PWR
MIC_CLK
MIC_DATA
MIC_GND
BACKLIGHT_ON
LED_WLAN
BT_BUSY
USBP8+
USBP8-
LED_BDC_IN
BDC_ON
WIFI_BUSY
BDC_PRESENCE
ACDC_LED
LED_COLOR
LEDCPSLOCK
LEDNUMLOCK
LED_UWB
UWB_DISABLE
LED_BDC_IN
LED_WPAN
VINT20
VBL20
VCC3M_FUSE
VCC3P_DRV
Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.
LCD CONNECTOR
N-Note
Thursday, June 26, 2008





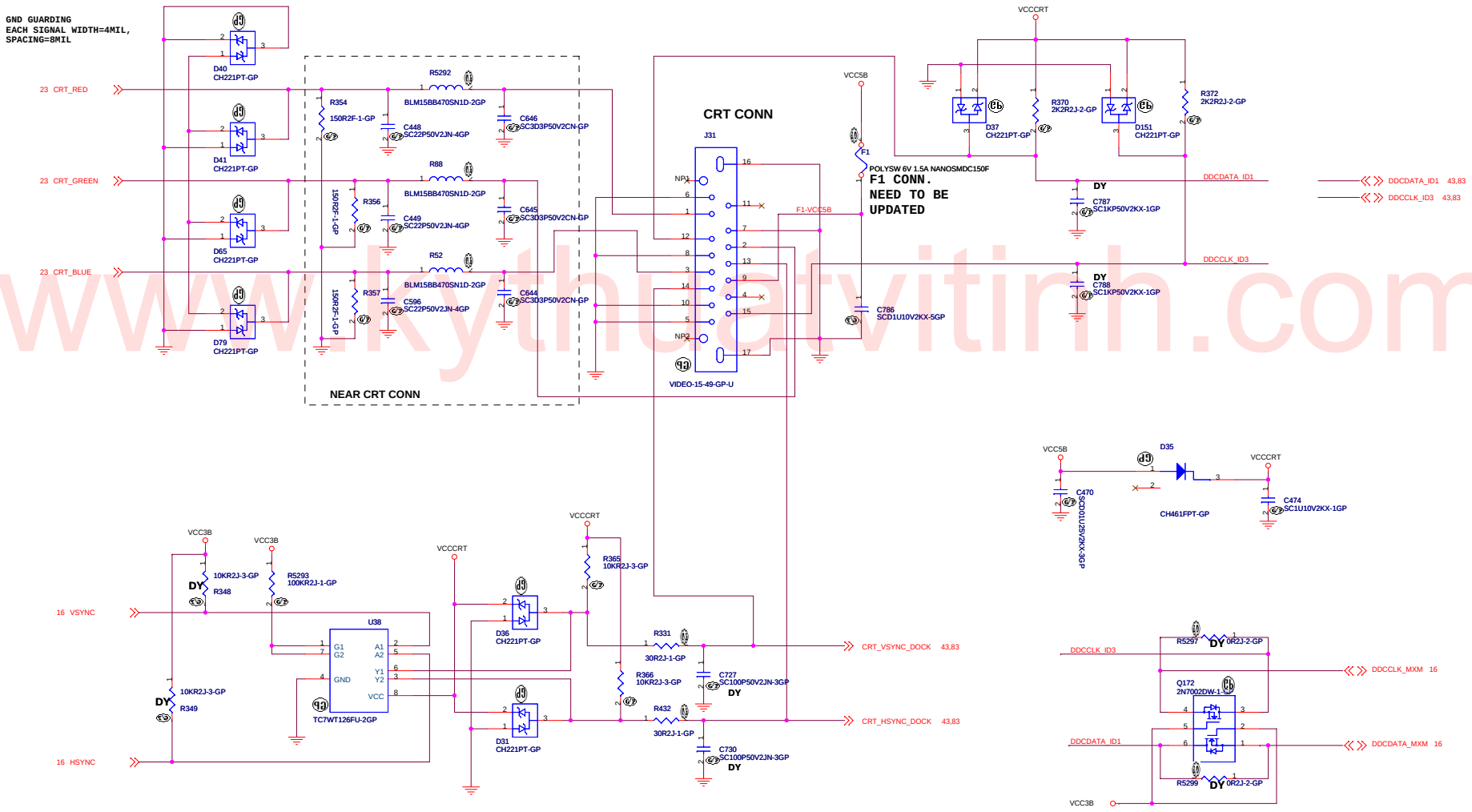
<Variant Name>

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

Title: CRT SELECTOR

Size: Custom | Document Number: N-Note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 23 of 83



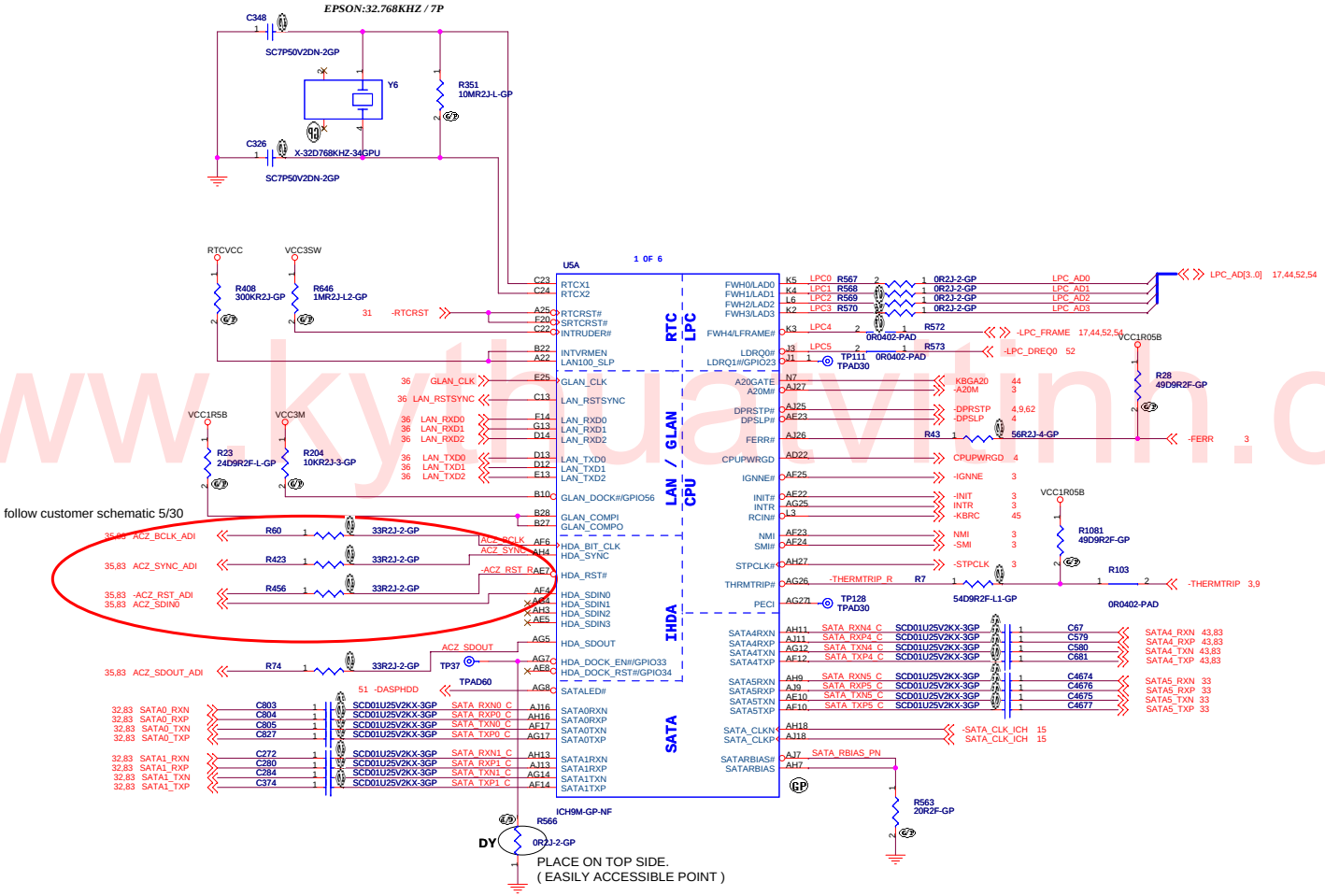
<Variant Name>

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

Title: EXT CRT INTERFACE

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 24 of 83



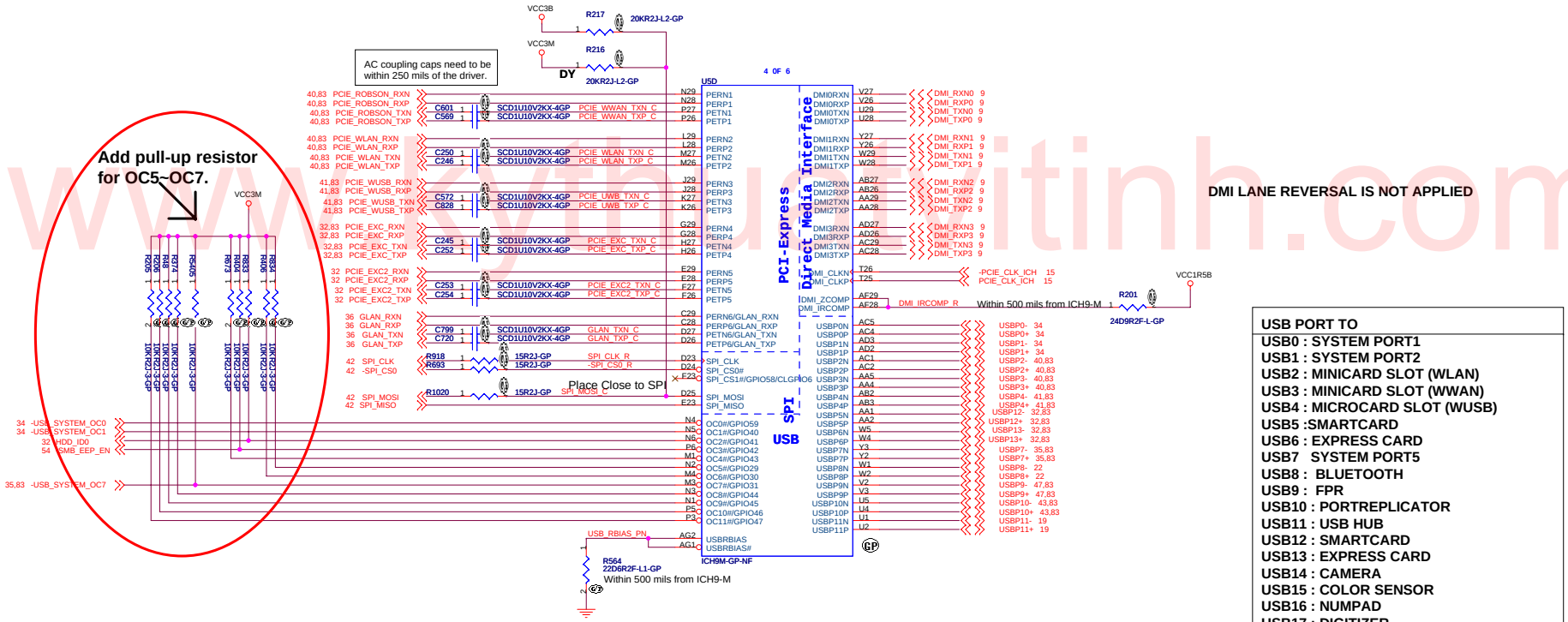
<Variant Name>

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

Title: ICH9-M(1/4):ATA/AC97/LPC

Size: C | Document Number: N-Note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 25 of 83



DMI LANE REVERSAL IS NOT APPLIED

USB PORT TO
USB0 : SYSTEM PORT1
USB1 : SYSTEM PORT2
USB2 : MINICARD SLOT (WLAN)
USB3 : MINICARD SLOT (WWAN)
USB4 : MICROCARD SLOT (WUSB)
USB5 :SMARTCARD
USB6 : EXPRESS CARD
USB7 SYSTEM PORT5
USB8 : BLUETOOTH
USB9 : FPR
USB10 : PORTREPLICATOR
USB11 : USB HUB
USB12 : SMARTCARD
USB13 : EXPRESS CARD
USB14 : CAMERA
USB15 : COLOR SENSOR
USB16 : NUMPAD
USB17 : DIGITIZER
USB18 : COLOR SENSOR2

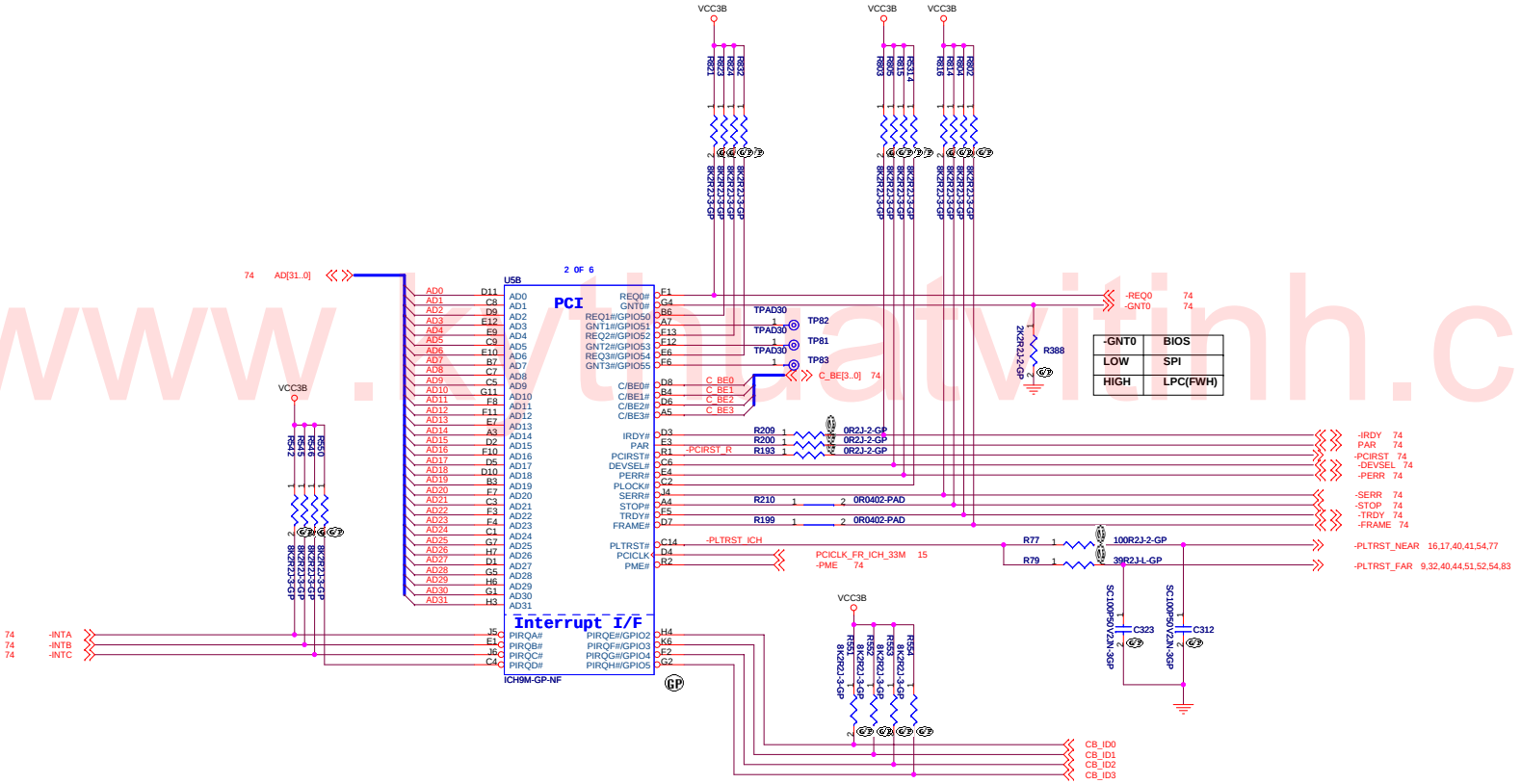
<Variant Name>

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

Title: ICH9-M(2/4):PCIE/DMI/USB/SPI

Size	Document Number	Rev
C	N-Note	1

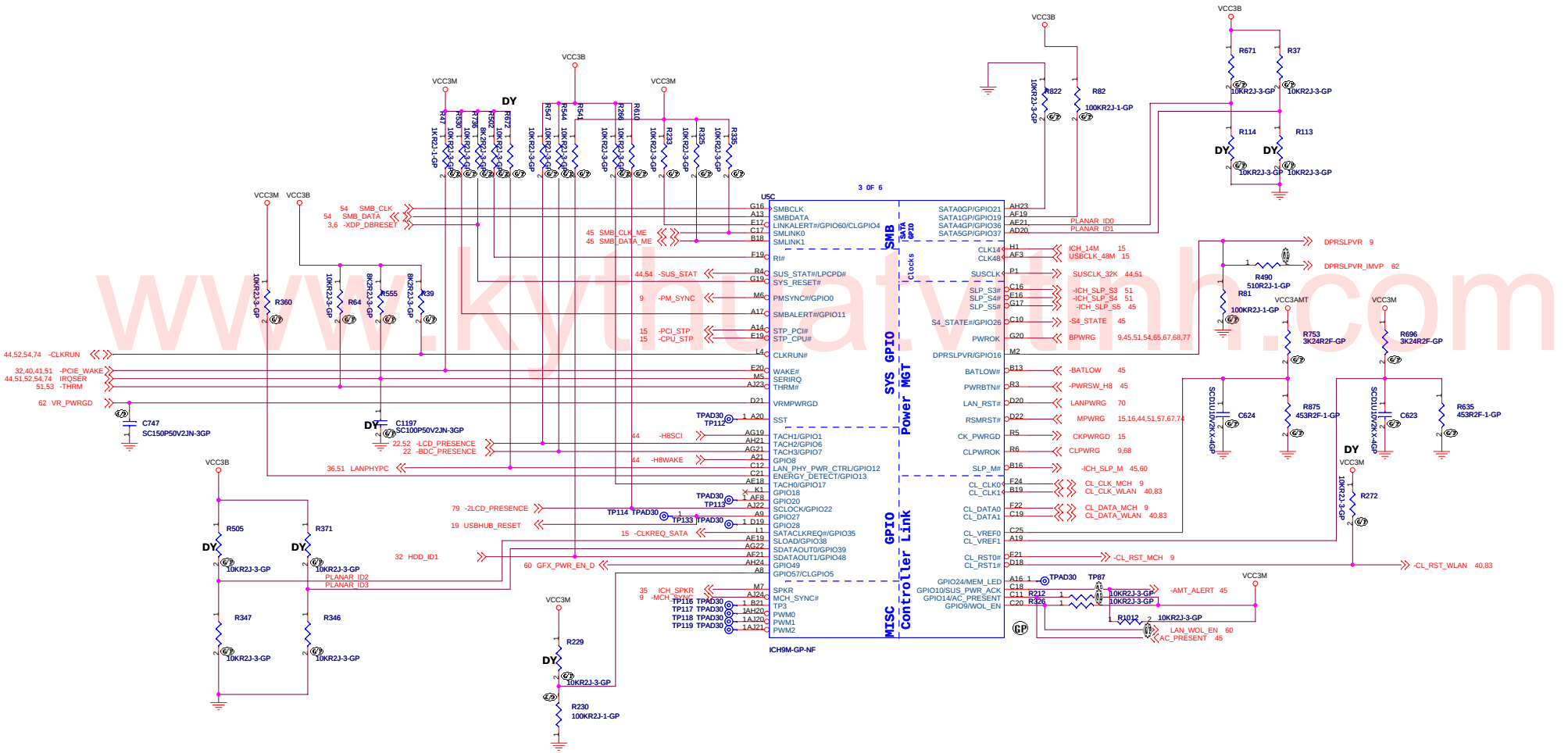
Date: Thursday, June 26, 2008 Sheet 26 of 83



<Variant Name>

Wistron Corporation	21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.
Title	ICH9-M(3/4):PCI/INTERRUPT
Size: C	Document Number: N-Note
Rev: 1	
Date: Thursday, June 26, 2008	Sheet 27 of 83

	PLANAR ID			
	3	2	1	0
1	R371	R505	R37	R671
0	R346	R347	R113	R114



LEVEL	PLANARID[3..0]
PREDV	0000B
SDV	0001B
SIV	0010B
SIT	0011B

PREDV

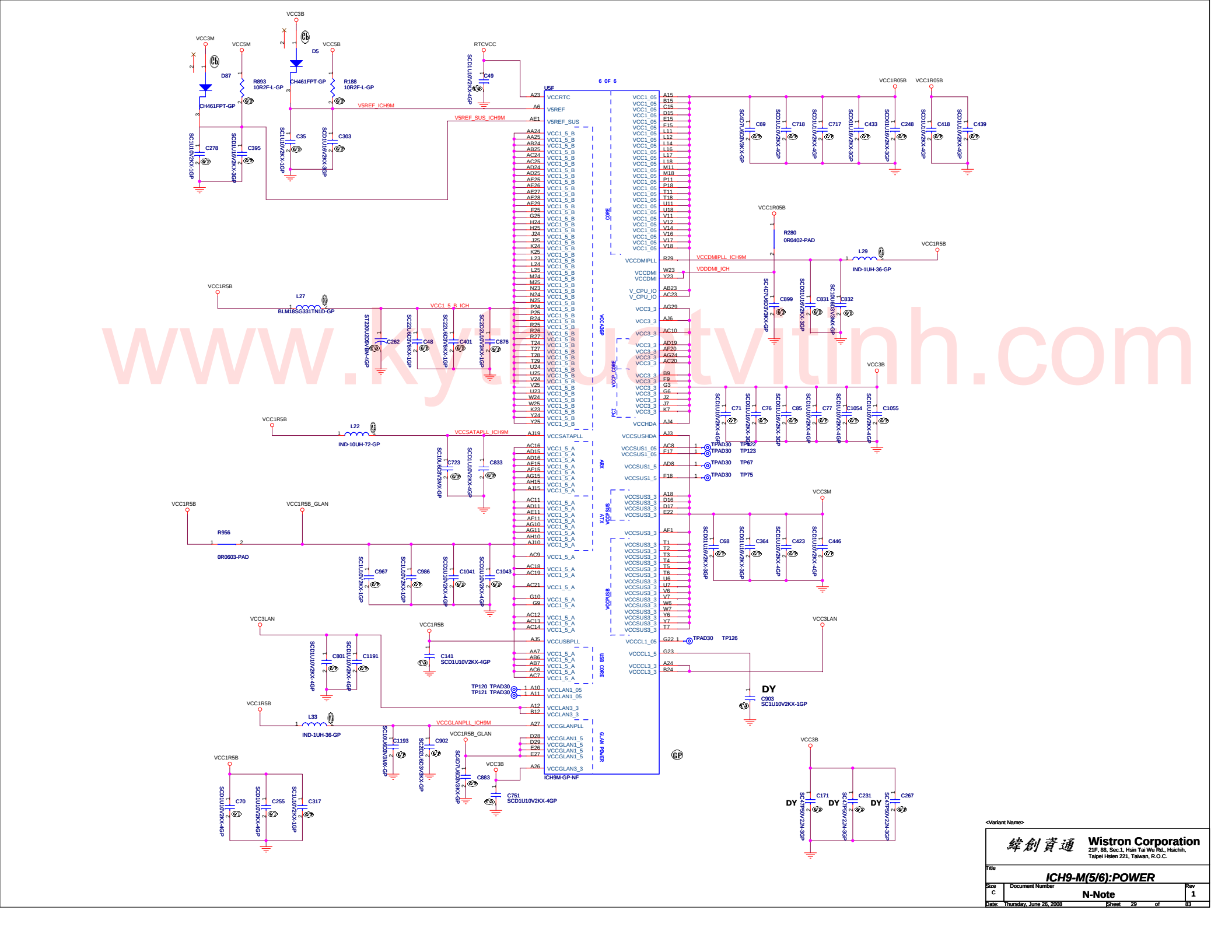
<Variant Name>

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

Title: ICH9-M(4/4):VCC/GND

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 28 of 83



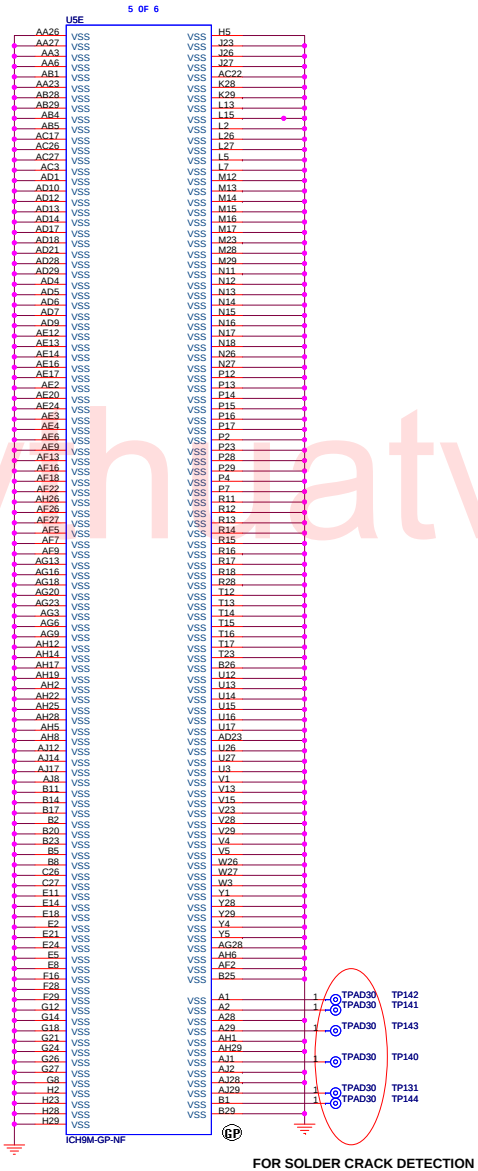
<Variant Name>

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

Title: ICH9-M(5/6):POWER

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 29 of 83



FOR SOLDER CRACK DETECTION

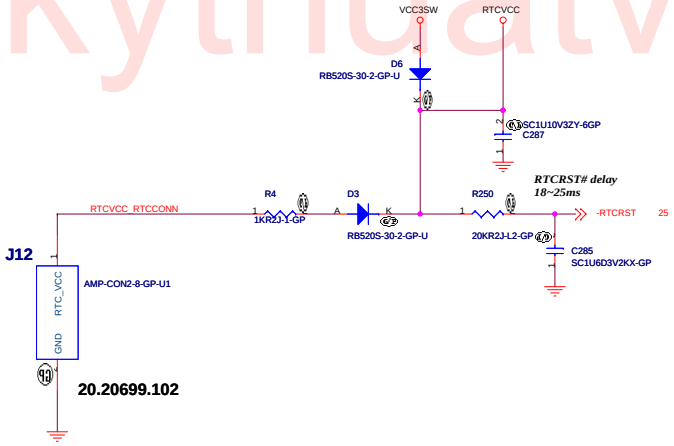
<Variant Name>

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

Title: ICH9-M:(6/6)GND

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 30 of 83



<Variant Name>

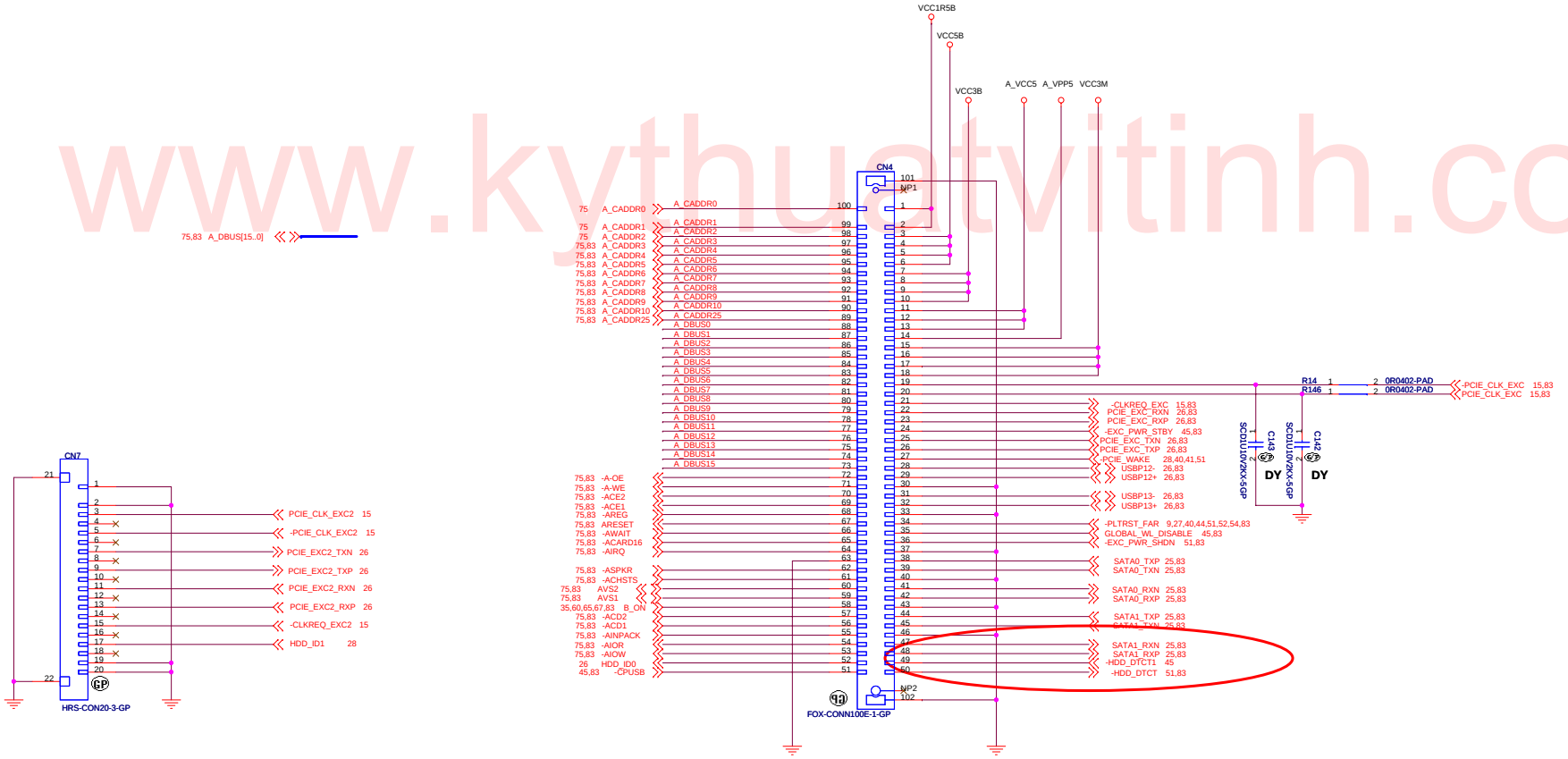
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title: RTC BATTERY

Size	Document Number	Rev
C	N-Note	1

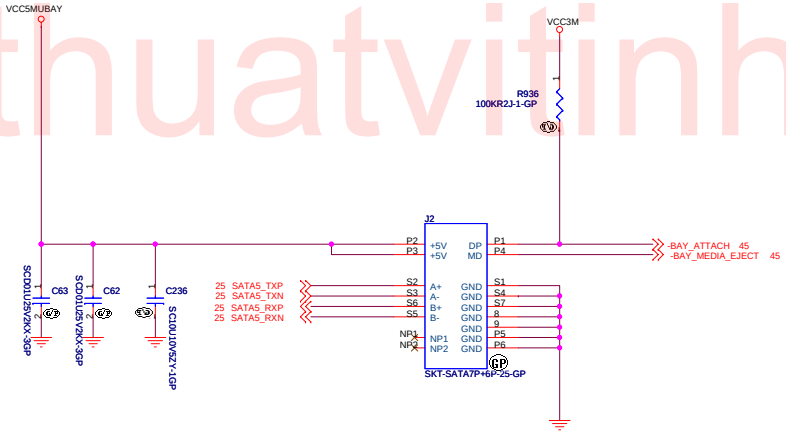
Date: Thursday, June 26, 2008 Sheet 31 of 83

HDD IO SUB CARD Connector



SATA SIGNAL SEGMENT		
S1	GND	
S2	A+	Differential signal pair from host controller
S3	A-	
S4	GND	
S5	B-	Differential signal pair to host controller
S6	B+	
S7	GND	

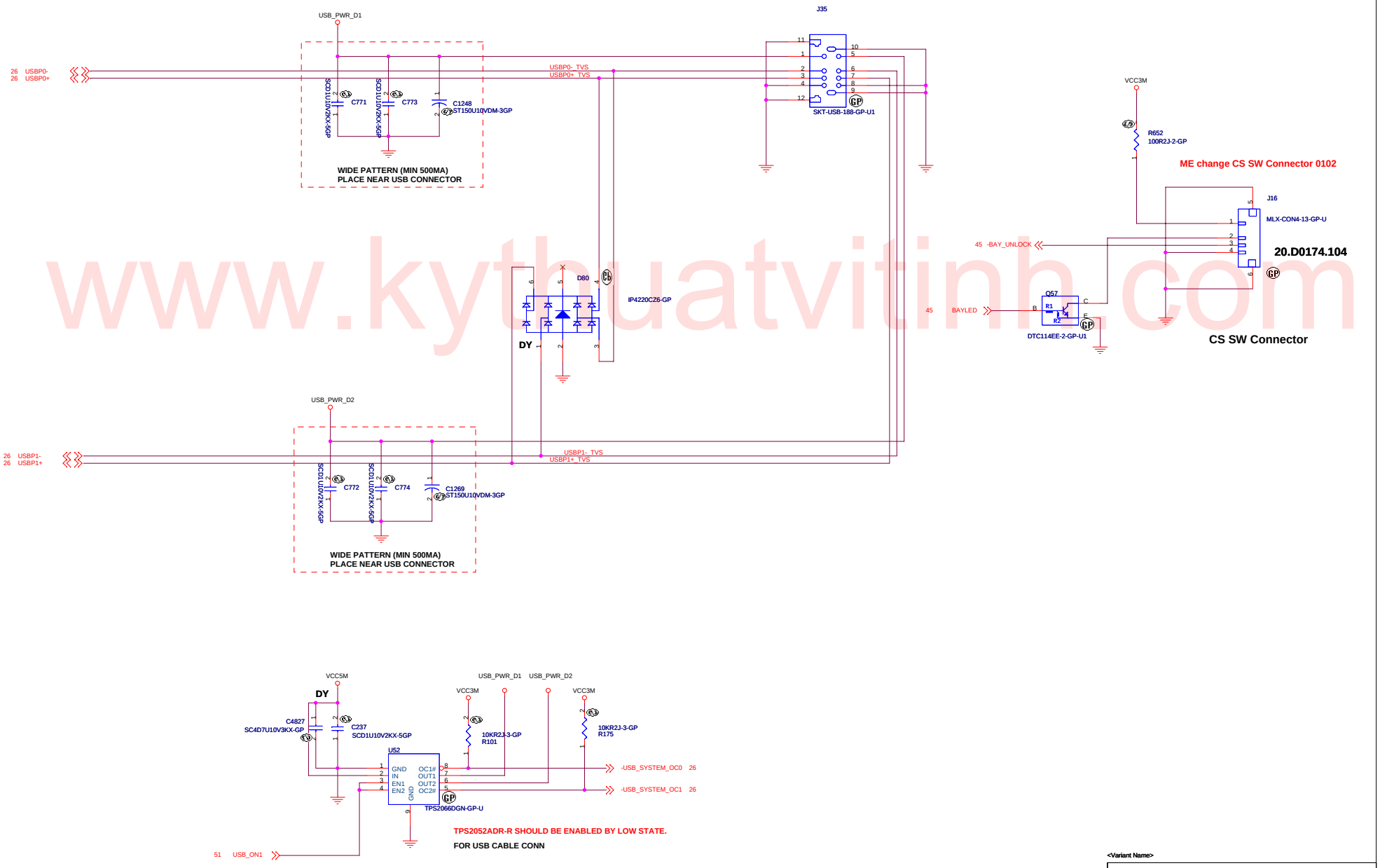
SATA POWER SEGMENT		
P1	DP	Device Present
P2	+5V	
P3	+5V	
P4	MD	Manufacturing Dianostic
P5	GND	
P6	GND	



SATA ODD Connector

bom1

緯創資通	Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title	SATA BAY I/F CONN	
Size	Document Number: N-Note	Rev: 1
Date: Thursday, June 26, 2008	Sheet 33 of 83	



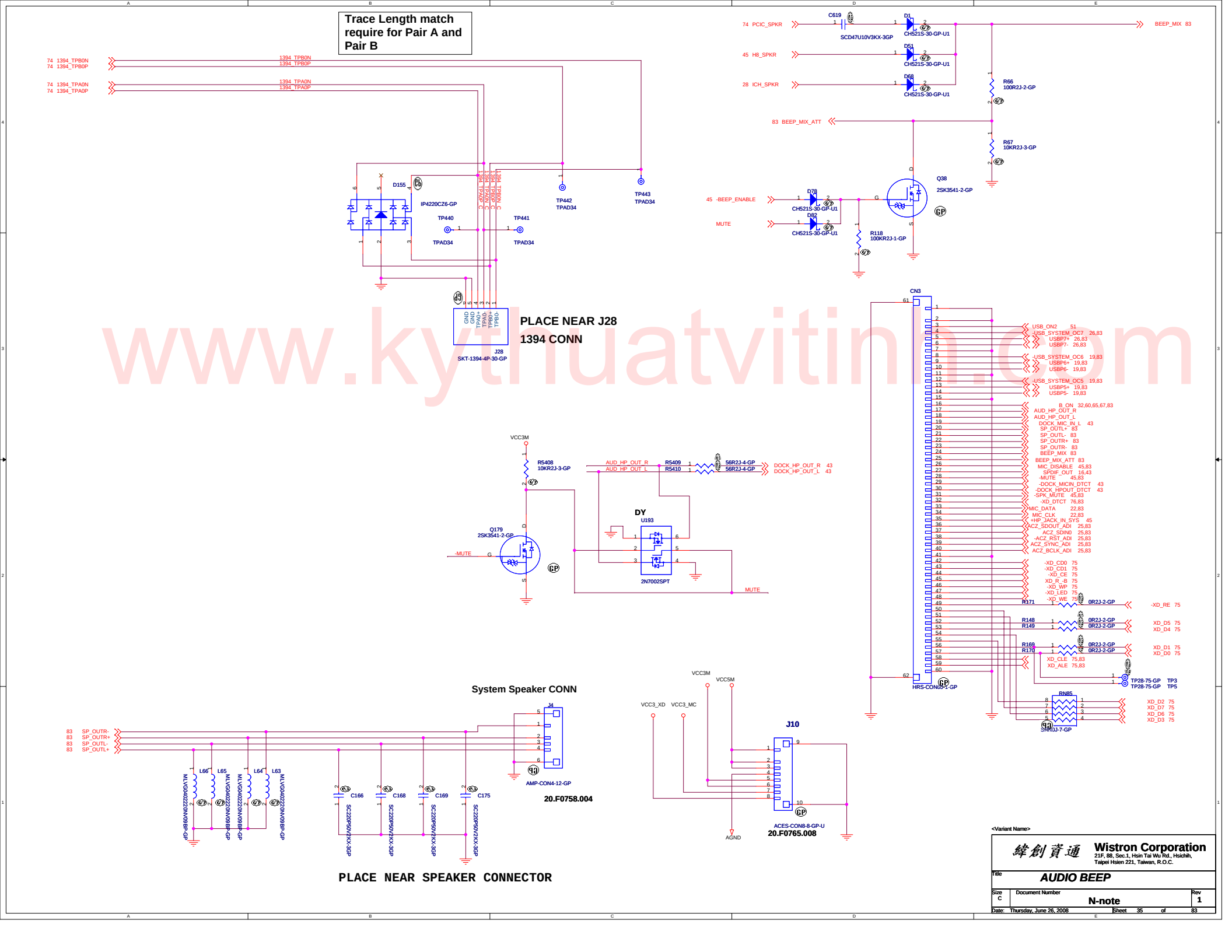
<Variant Name>

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

Title: USB POWER / CONNECTOR

Size	Document Number	Rev
C	N-Note	1

Date: Thursday, June 26, 2008 Sheet 34 of 83



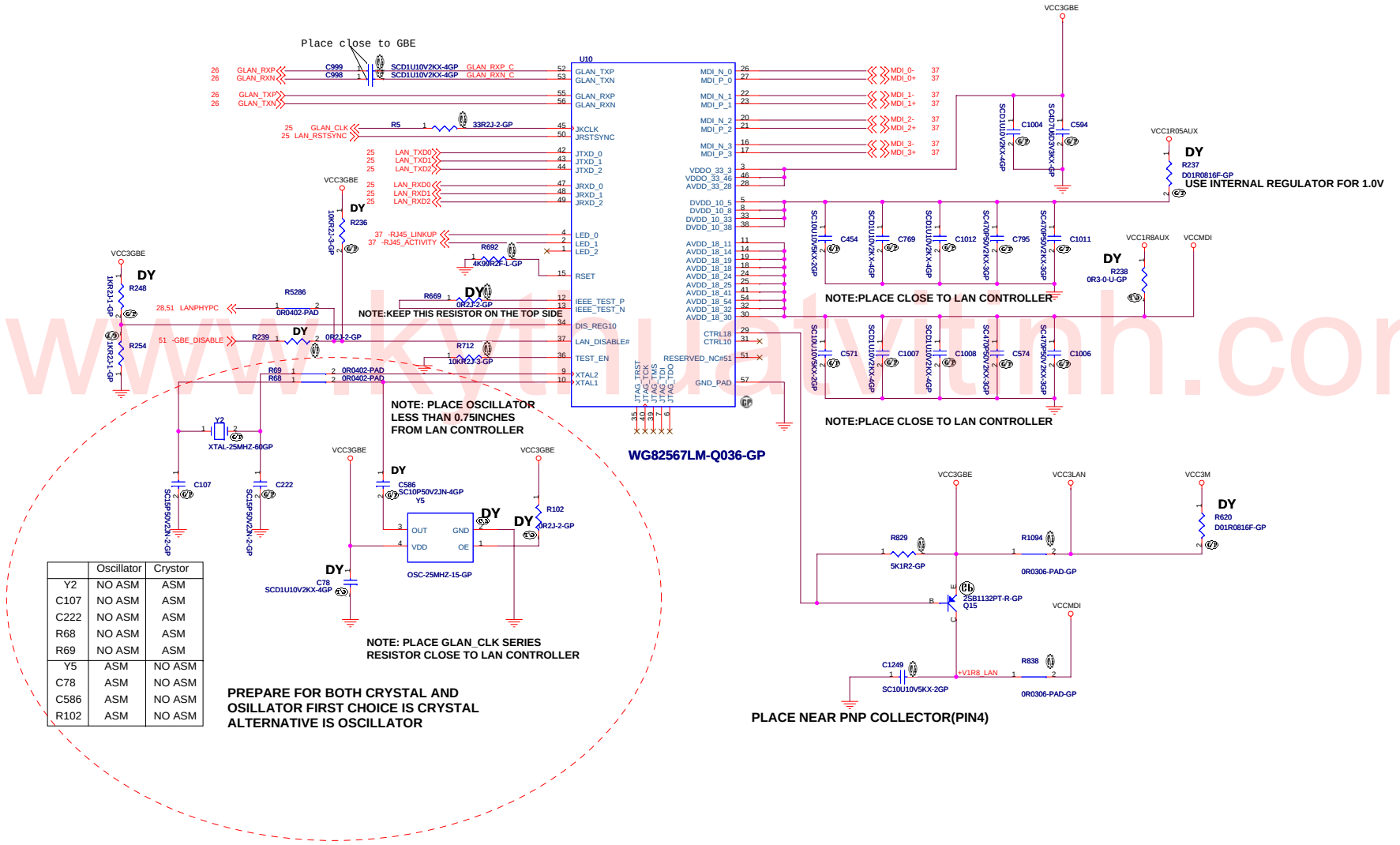
<Variant Name>

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

Title: AUDIO BEEP

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 35 of 83



	Oscillator	Crystor
Y2	NO ASM	ASM
C107	NO ASM	ASM
C222	NO ASM	ASM
R68	NO ASM	ASM
R69	NO ASM	ASM
Y5	ASM	NO ASM
C78	ASM	NO ASM
C586	ASM	NO ASM
R102	ASM	NO ASM

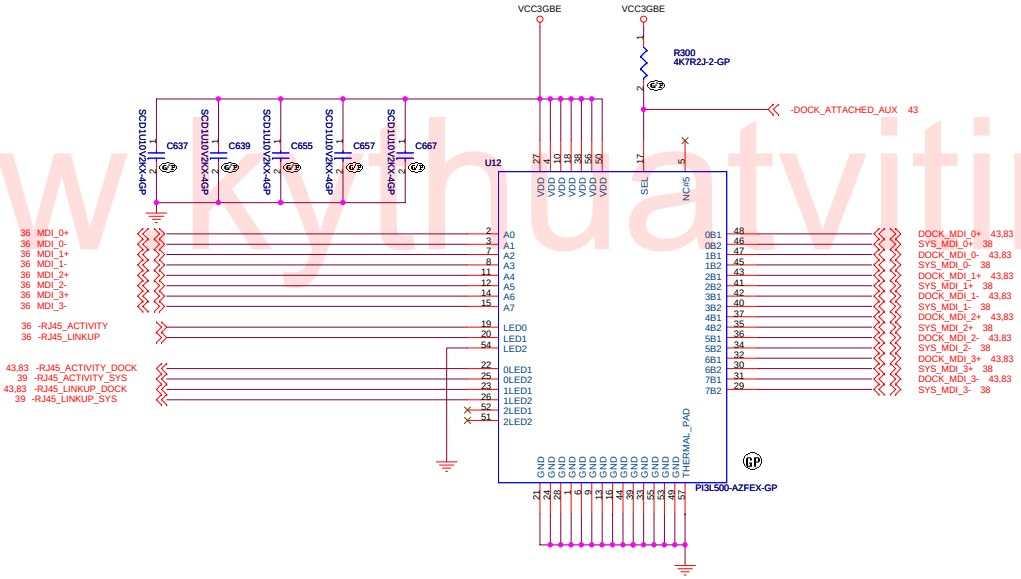
<Variant Name>

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

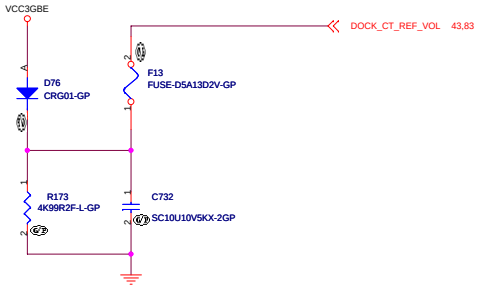
Title: GBE BOAZMAN

Size: C | Document Number: N-note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 36 of 83



PLACE NEAR DOCKING CONNECTOR



		Vendor P/N	Wistron P/N
1st	Pericom	PI3L500AZFEX	73.3L500.003
2nd	TI	TS3L500AERHUR	73.3L500.A0V

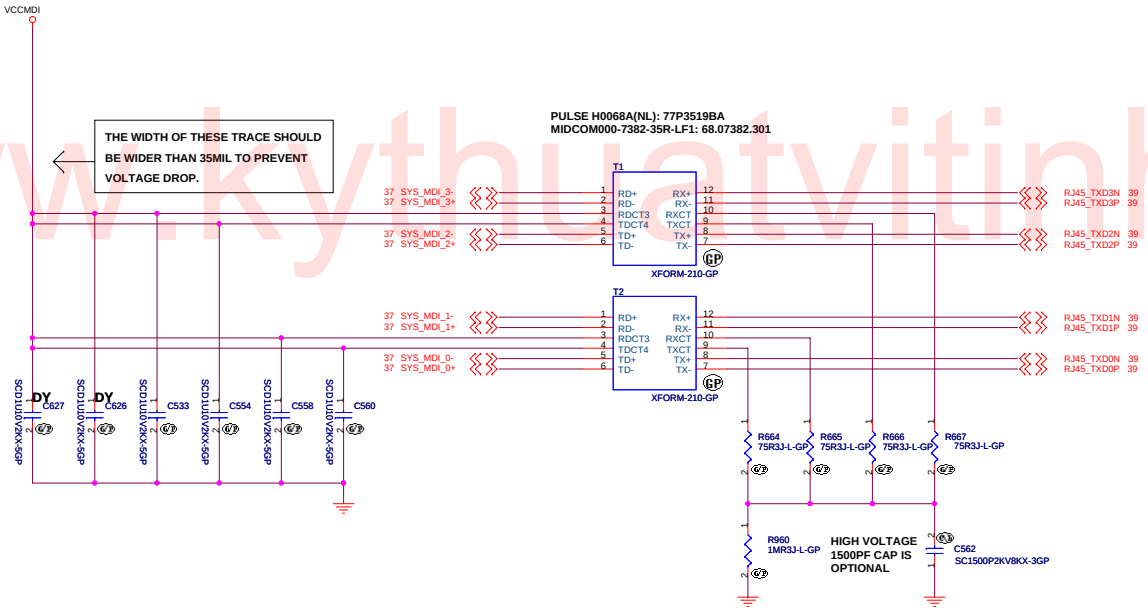
<Variant Name>

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 SWITCH***

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 37 of 83



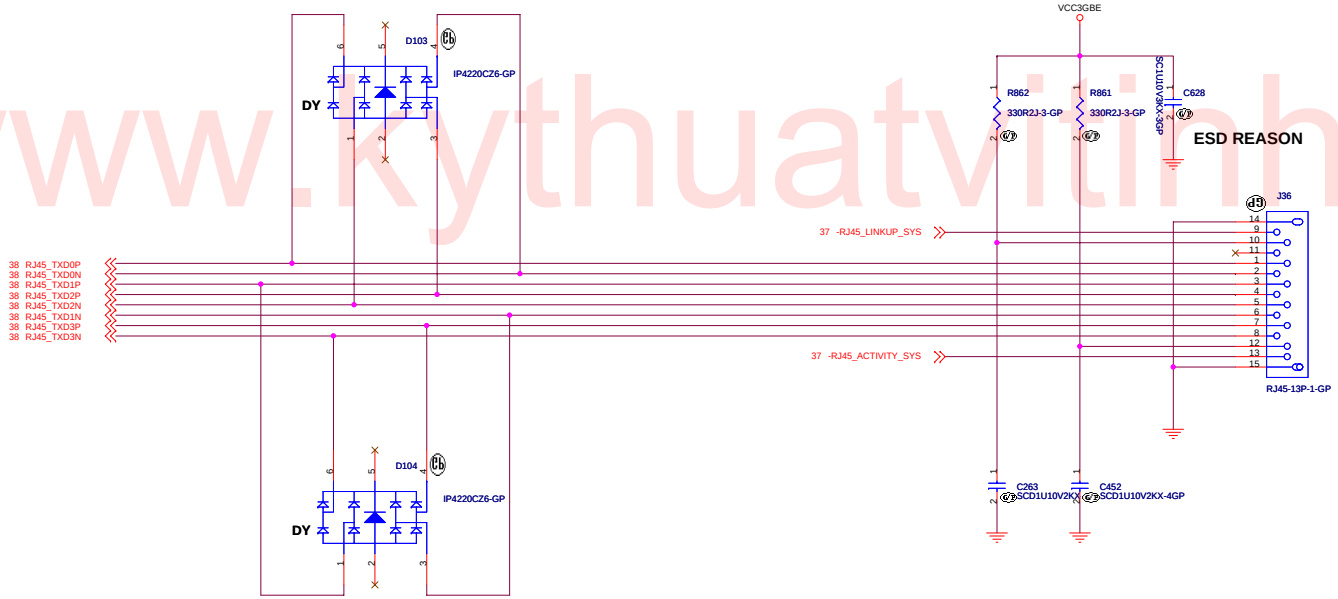
<Variant Name>

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

Title: GBE MAGNETICS

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 38 of 83



<Variant Name>

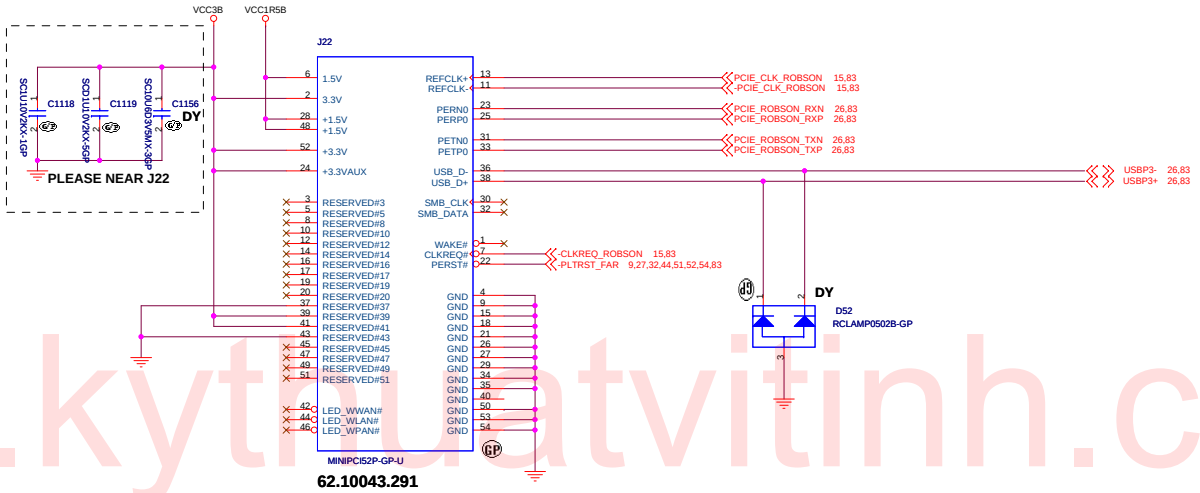
緯創資通 **Wistron Corporation**
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title: ***RJ11/RJ45 CONNECTOR***

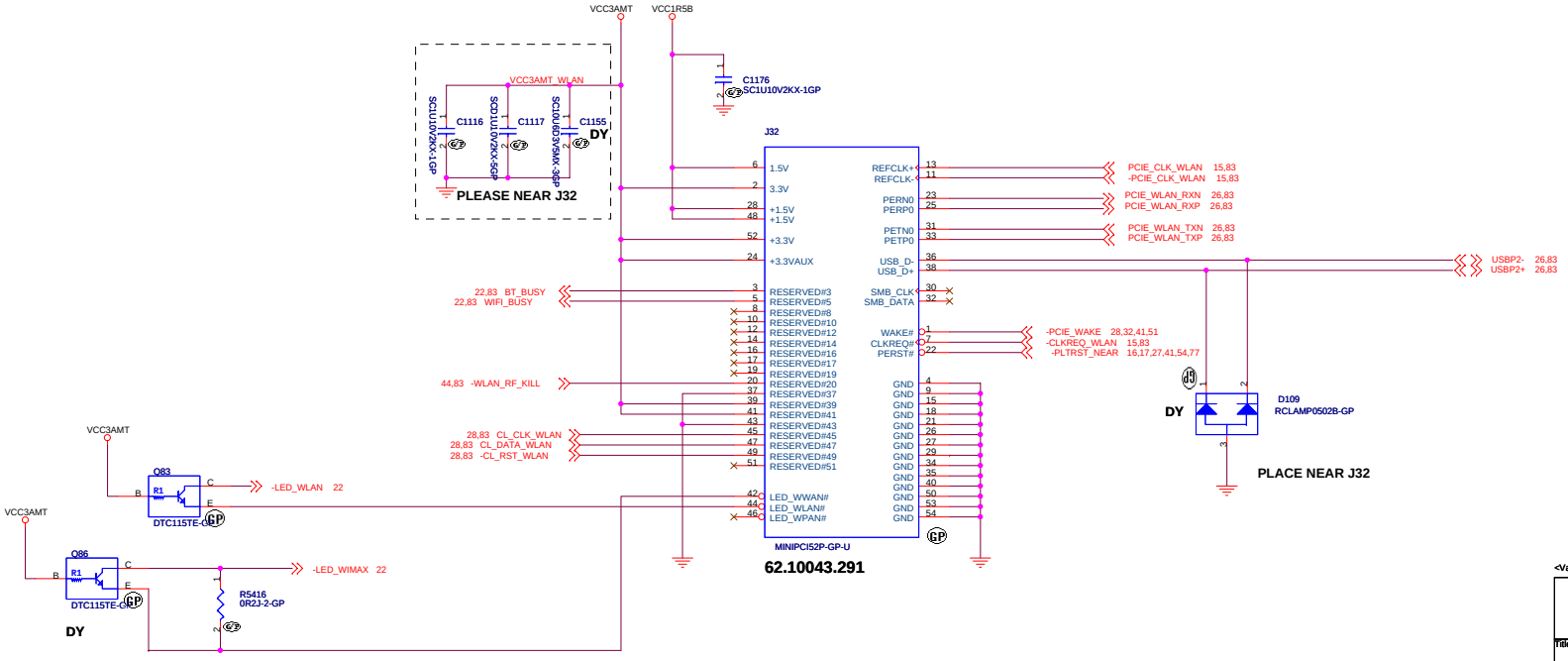
Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 39 of 83

MINI PCIE CONN-1 FOR ROBSON



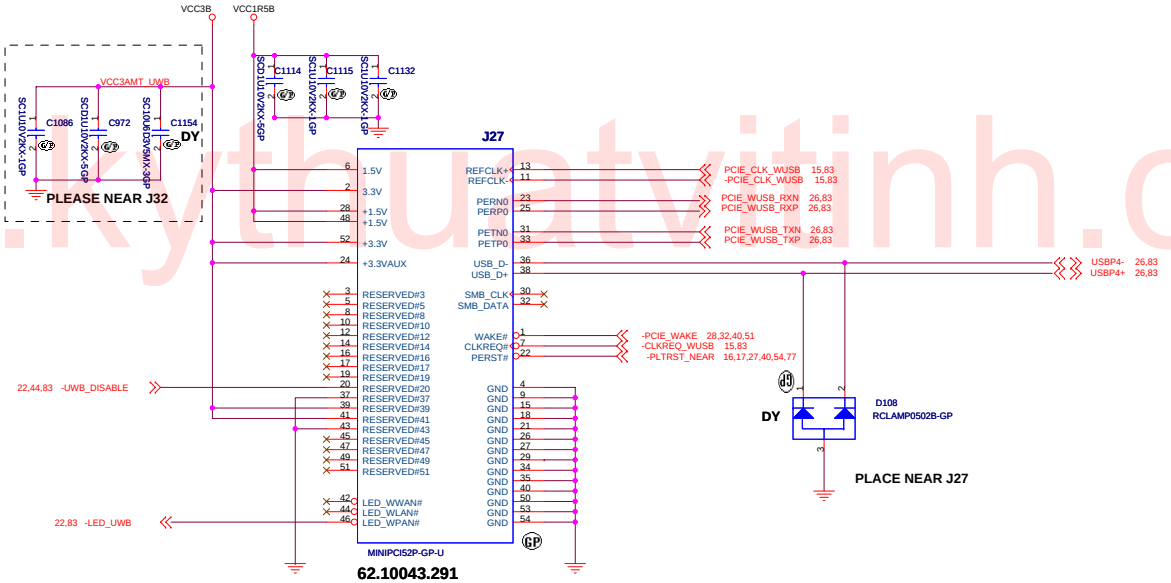
MINI PCIE CONN-2 FOR WLAN



<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: C	Document Number: N-note	Rev: 1
Date: Thursday, June 26, 2008	Sheet 40 of 83	

MICRO PCIE CONN-3



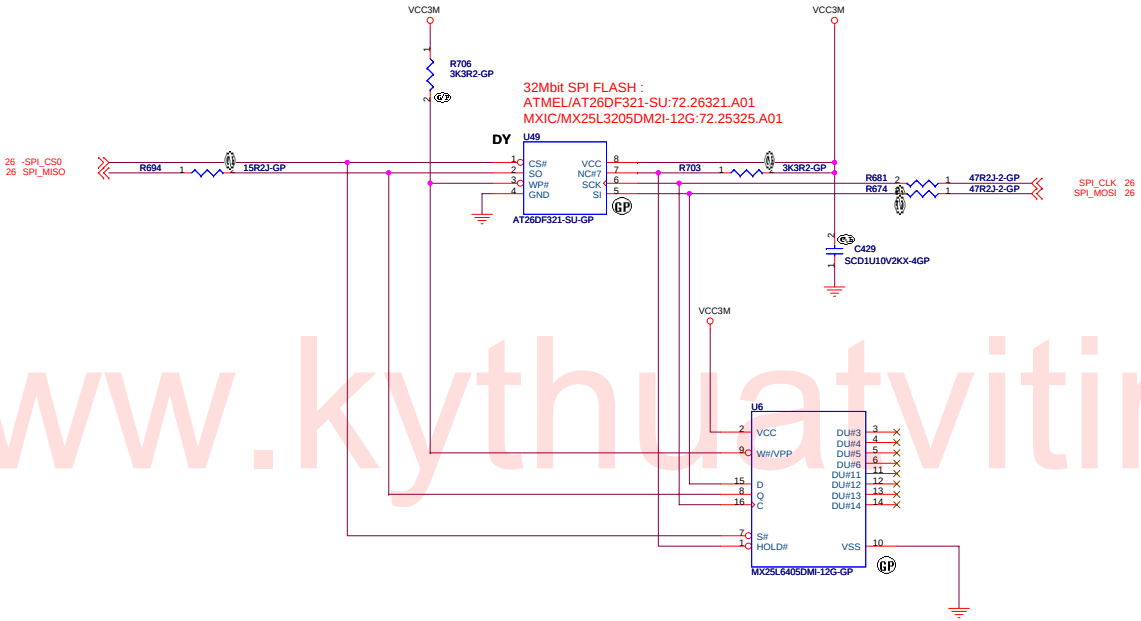
<Variant Name>

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

Title: PCIE HALF MINI CARD SLOT

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 41 of 83



SO8 and SO16 are both supported!

64Mbit SPI FLASH :
WINBOND/W25X64VSFIG:72.25X64.001
MXIC/ MX25L6405DMI-12G :72.25640.C01

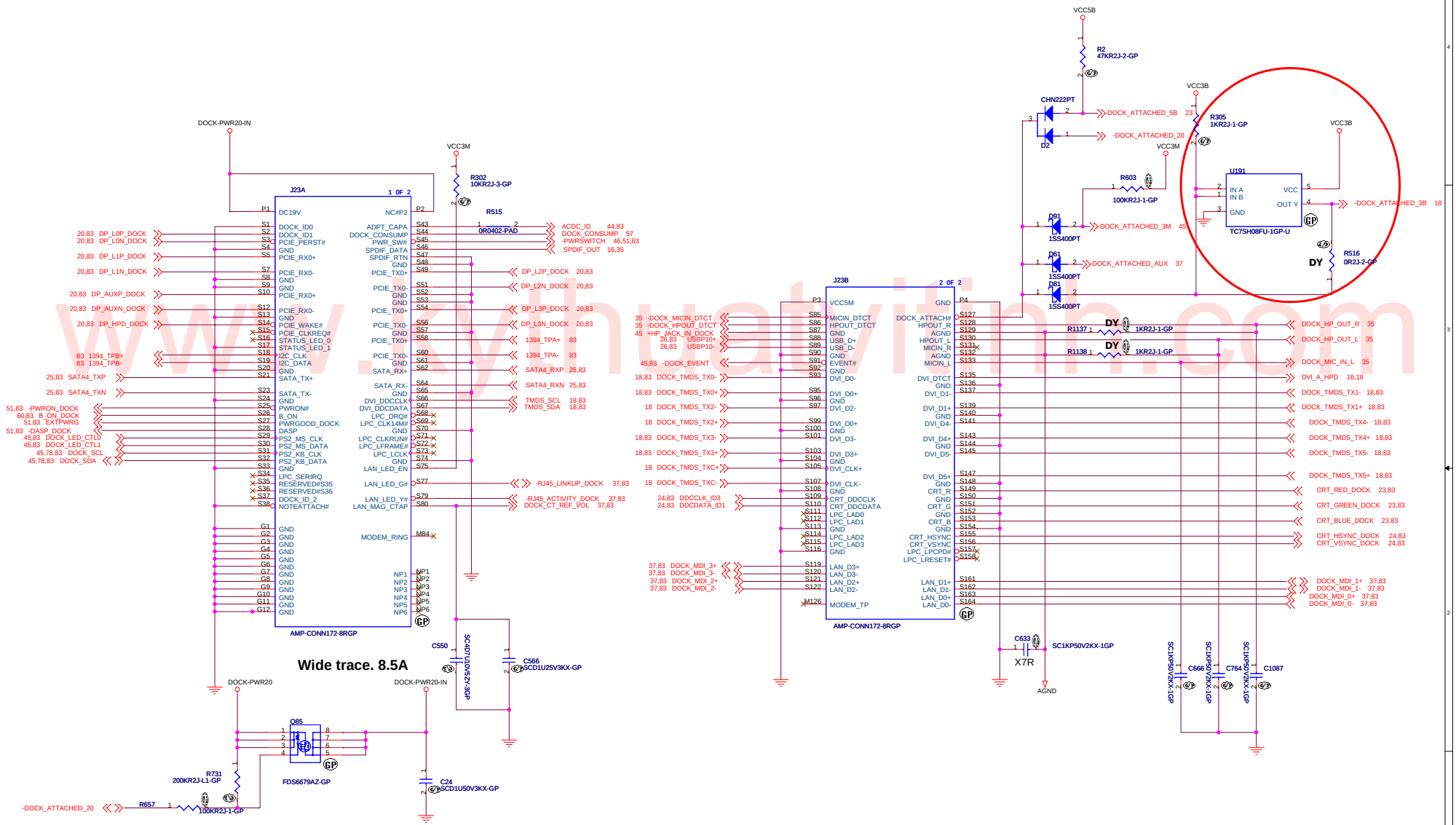
<Variant Name>

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

Title: SPI FLASH

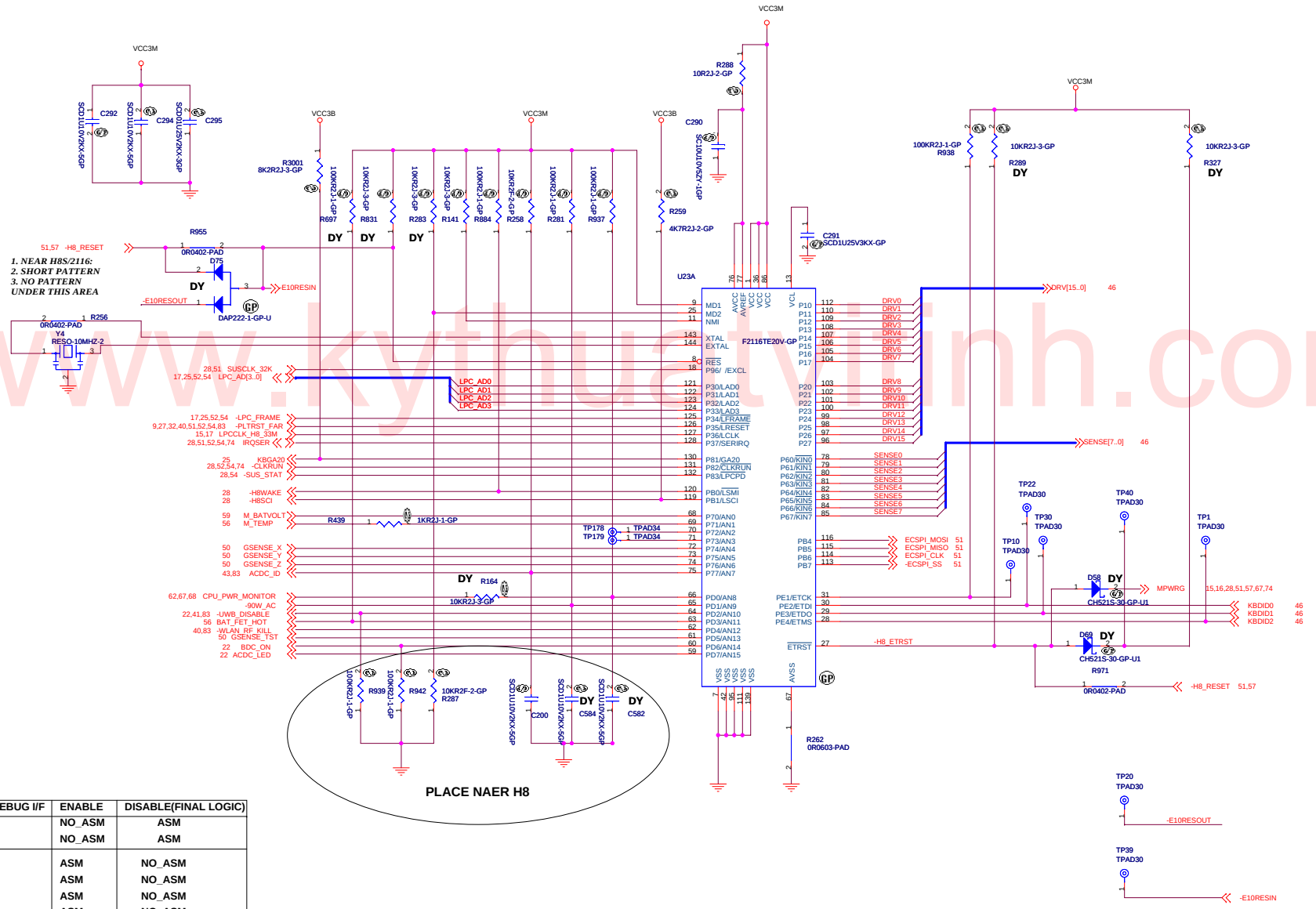
Size: C | Document Number: N-note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 42 of 83



<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	**DOCKING CONNECTOR**
Size C	Document Number **N-note** Rev 1
Date: Thursday, June 26, 2008	Sheet 43 of 83



E10A DEBUG I/F	ENABLE	DISABLE(FINAL LOGIC)
R955	NO_ASM	ASM
R971	NO_ASM	ASM
D58	ASM	NO_ASM
D69	ASM	NO_ASM
R289	ASM	NO_ASM
D75	ASM	NO_ASM
R831	ASM	NO_ASM
R327	ASM	NO_ASM
RN25	NO_ASM	ASM

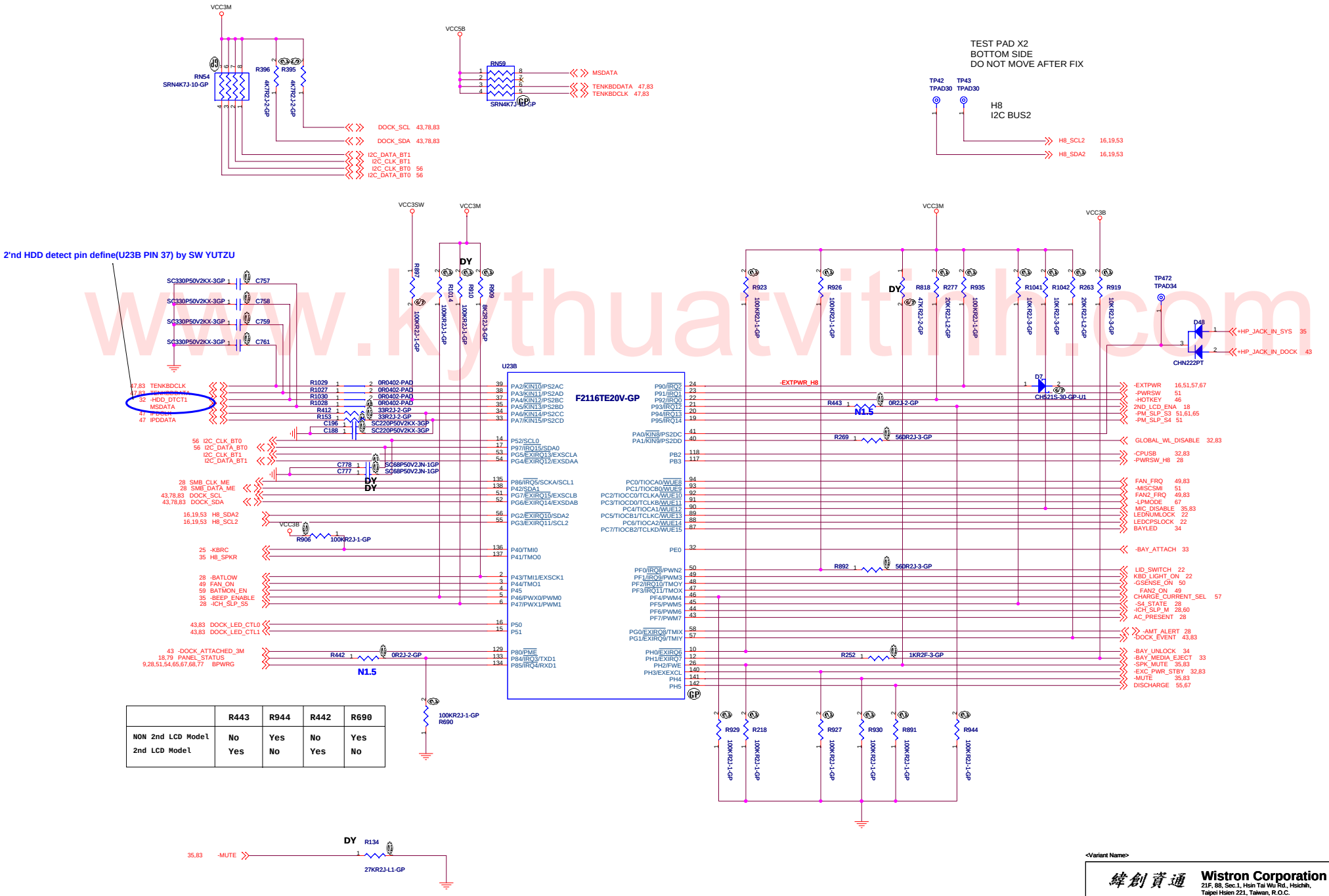
<Variant Name>

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

Title: H8S/2161B(1/2)

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 44 of 83



	R443	R944	R442	R690
NON 2nd LCD Model	No	Yes	No	Yes
2nd LCD Model	Yes	No	Yes	No

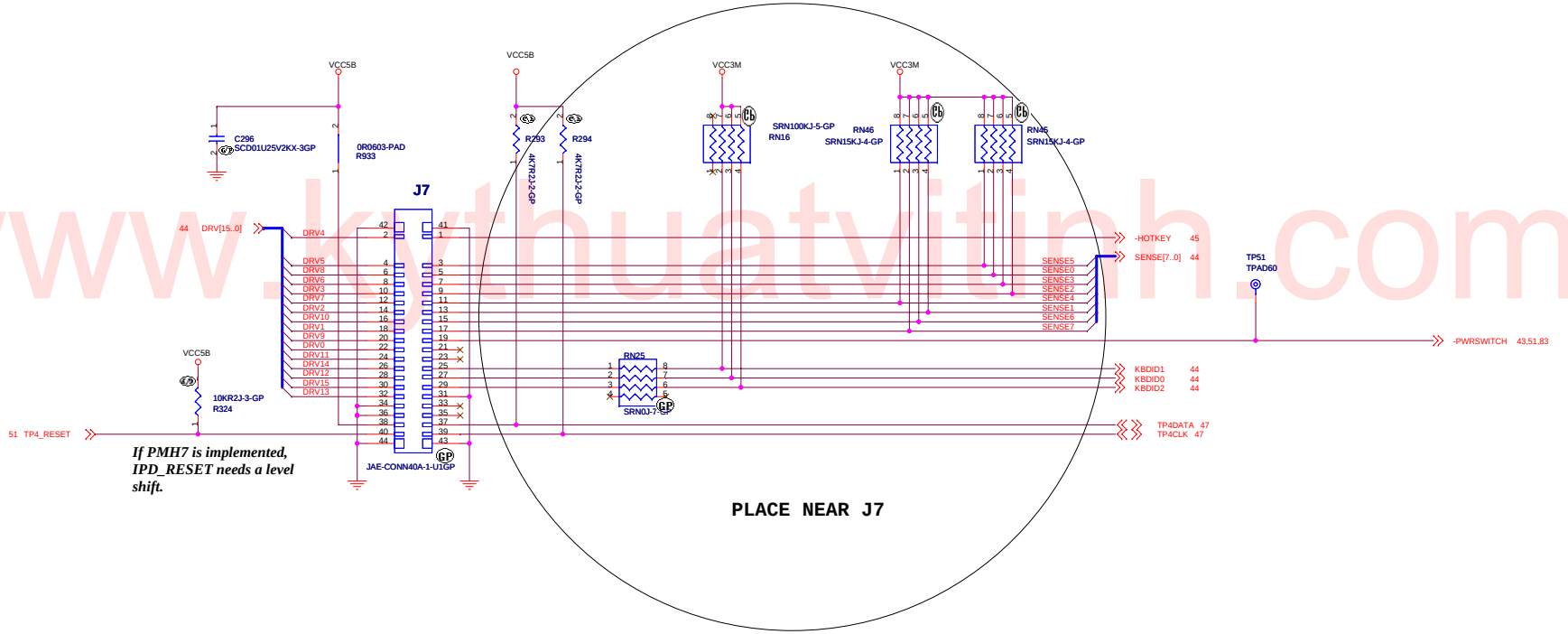
<Variant Name>

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

Title: H8S/2116B(2/2)

Size: C | Document Number: N-note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 45 of 83



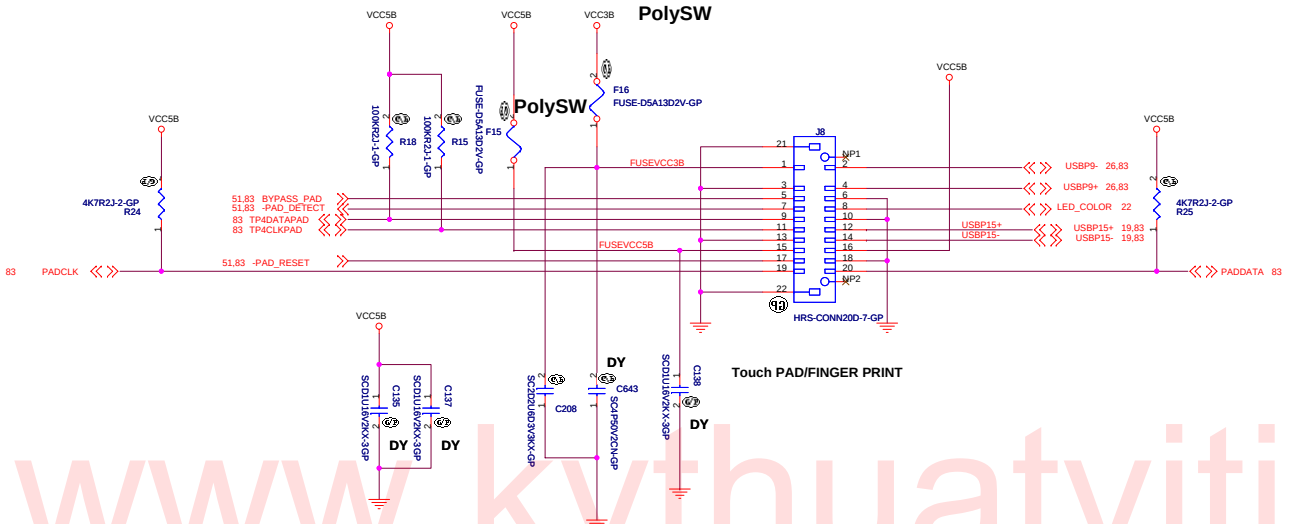
<Variant Name>

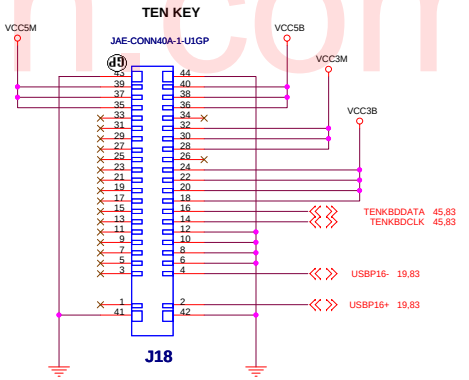
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title: KEYBOARD CONN

Size	Document Number	Rev
C	N-note	1

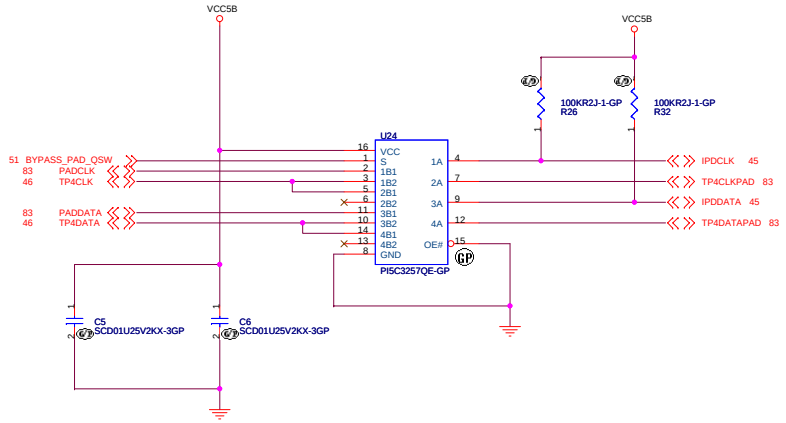
Date: Thursday, June 26, 2008 Sheet 46 of 83

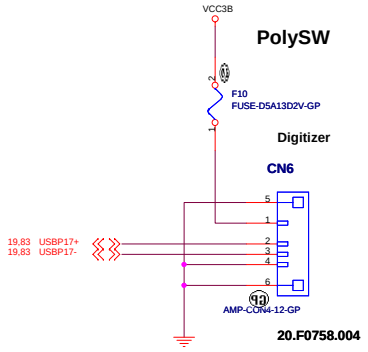




ME changeTEN KEY Connector 0118

USE FSTU3257(FAIRCHILD) OR PI5C3257C(PERICOM)





20.F0758.004

<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: **TOUCH PAD CONNECTOR**

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 47 of 83

<Variant Name>

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

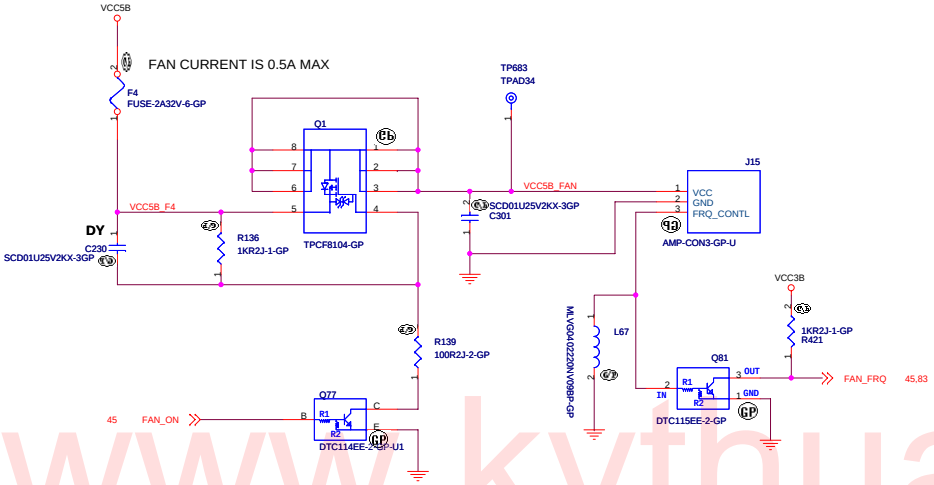
Title

WIRELESS DISABLE SW

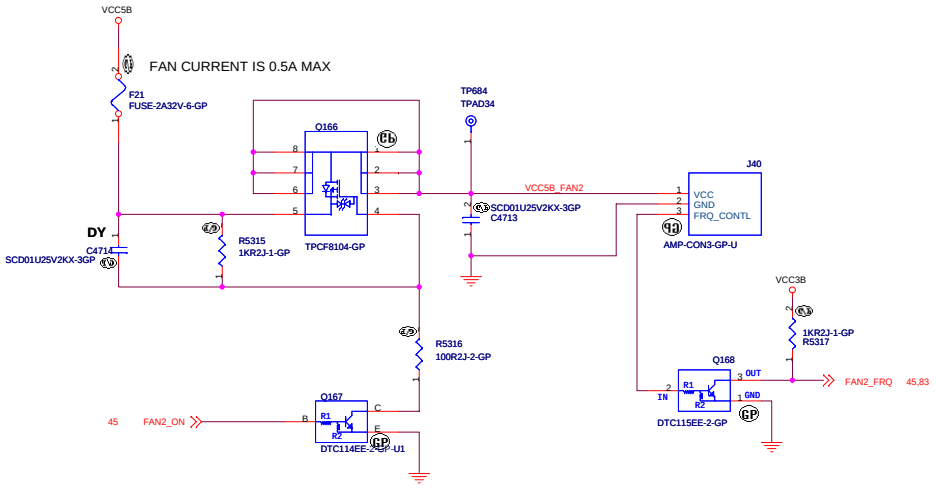
Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 48 of 83

CPU FAN

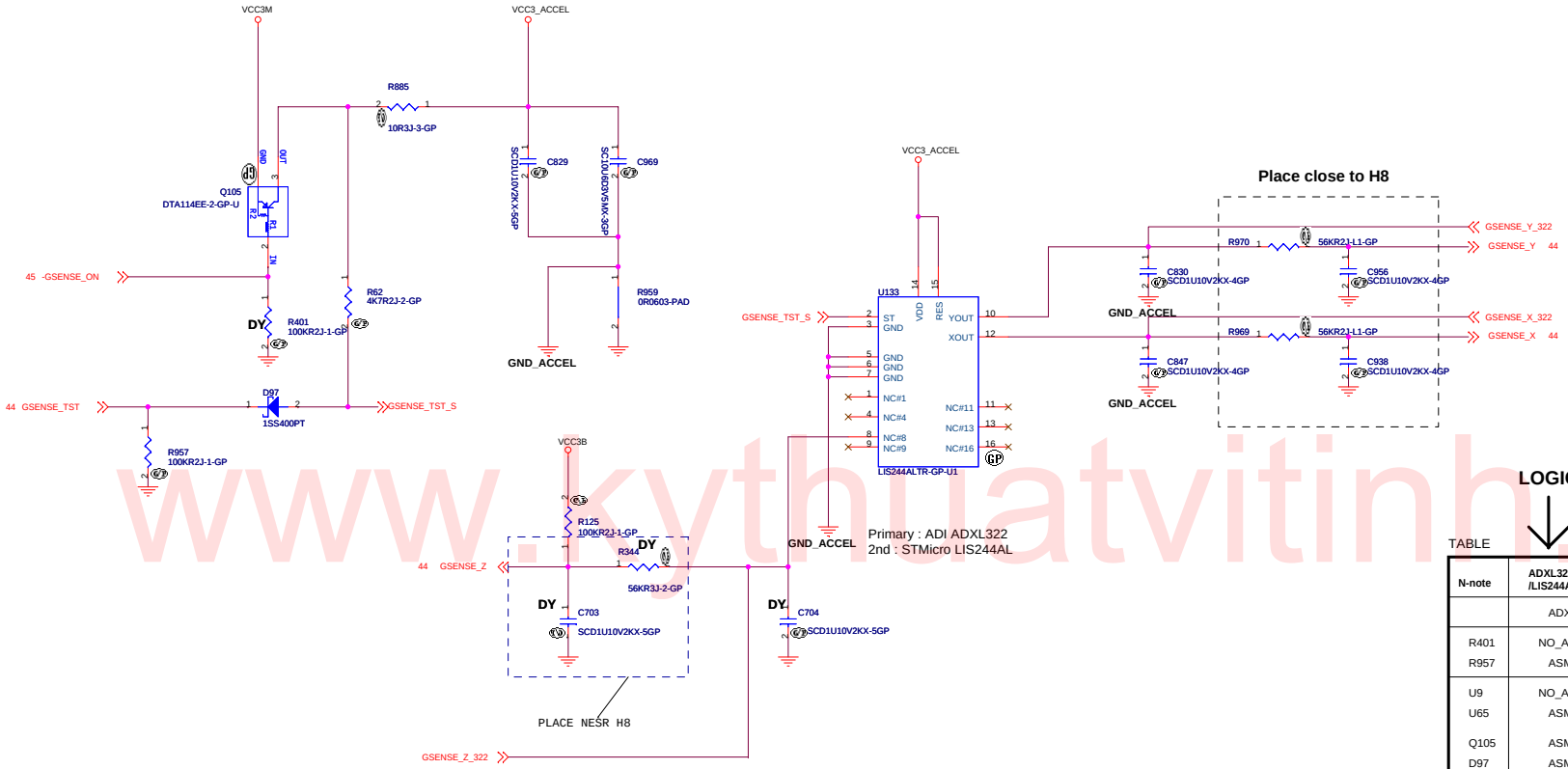


MxM FAN



<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	***FAN CONTROL***	
Size: C	Document Number: **N-note**	Rev: 1
Date: Thursday, June 26, 2008	Sheet 49 of 83	



LOGIC

TABLE

N-note	ADXL322 /LIS244AL	LIS302ALB	No Accel.
	ADXL322	ST-MICRO	NO Accel.
R401	NO_ASM	NO_ASM	NO_ASM
R957	ASM	NO_ASM	NO_ASM
U9	NO_ASM	ASM	NO_ASM
U65	ASM	NO_ASM	NO_ASM
Q105	ASM	ASM	NO_ASM
D97	ASM	ASM	NO_ASM
R62	ASM	ASM	NO_ASM
R885	10 Ohm	ASM	NO_ASM
C829	ASM	ASM	NO_ASM
C969	ASM	ASM	NO_ASM
R959	ASM	ASM	NO_ASM
C830	ASM	ASM	NO_ASM
C847	ASM	ASM	NO_ASM
R969	56K	56K	NO_ASM
C938	ASM	ASM	NO_ASM
R970	56K	56K	NO_ASM
C956	ASM	ASM	NO_ASM
C704	NO_ASM	ASM	NO_ASM
R344	NO_ASM	ASM	NO_ASM
C703	NO_ASM	ASM	NO_ASM
R125	ASM	NO_ASM	ASM

Layout Comment :

(1) Avoid routing under DCDC switching area.

Width = 6 mil & Spacing = 10 mil
for three Output traces

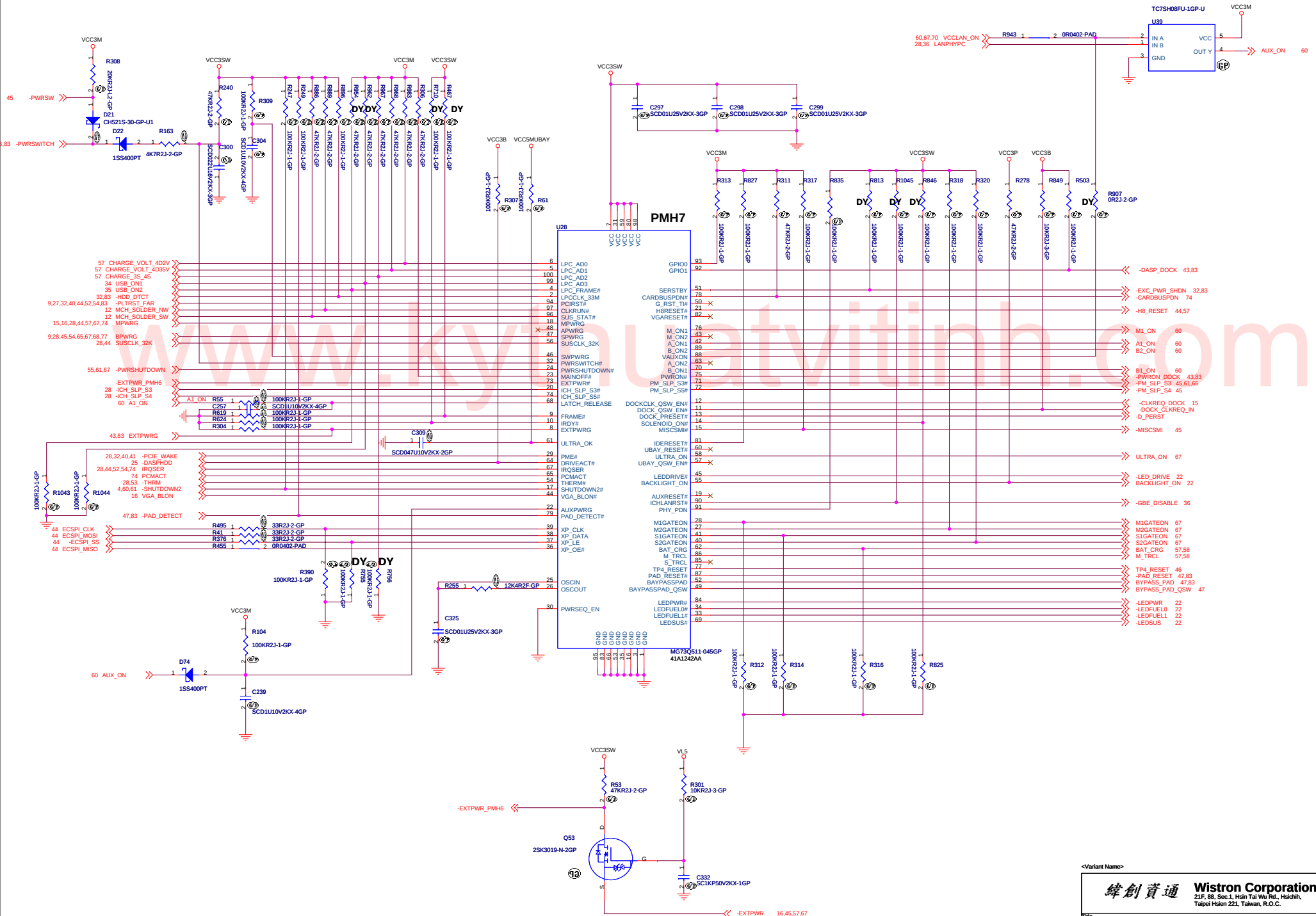
<Variant Name>

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

Title: **G-SENSOR**

Size: C | Document Number: **N-note** | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 50 of 83



<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: MISC G/A (PMH-7)

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 51 of 83

GPIO PORT1 ASSIGNMENT LIST
Pin3: GPIO10:1394 PORT DETECT
(INTERNAL PULLUP ENABLE)

Pin1 : GPIO11:4-IN-1 SLOT DETECT
(INTERNAL PULLUP ENABLE)
Pin48 : GPIO12:RESERVED(NC)

Pin47 : GPIO13:RESERVED(NC)

Pin46 : GPIO14:RESERVED(NC)
(INTERNAL PULLUP ENABLE)

Pin45 : GPIO15:14/15W ID
(INTERNAL PULLUP ENABLE)

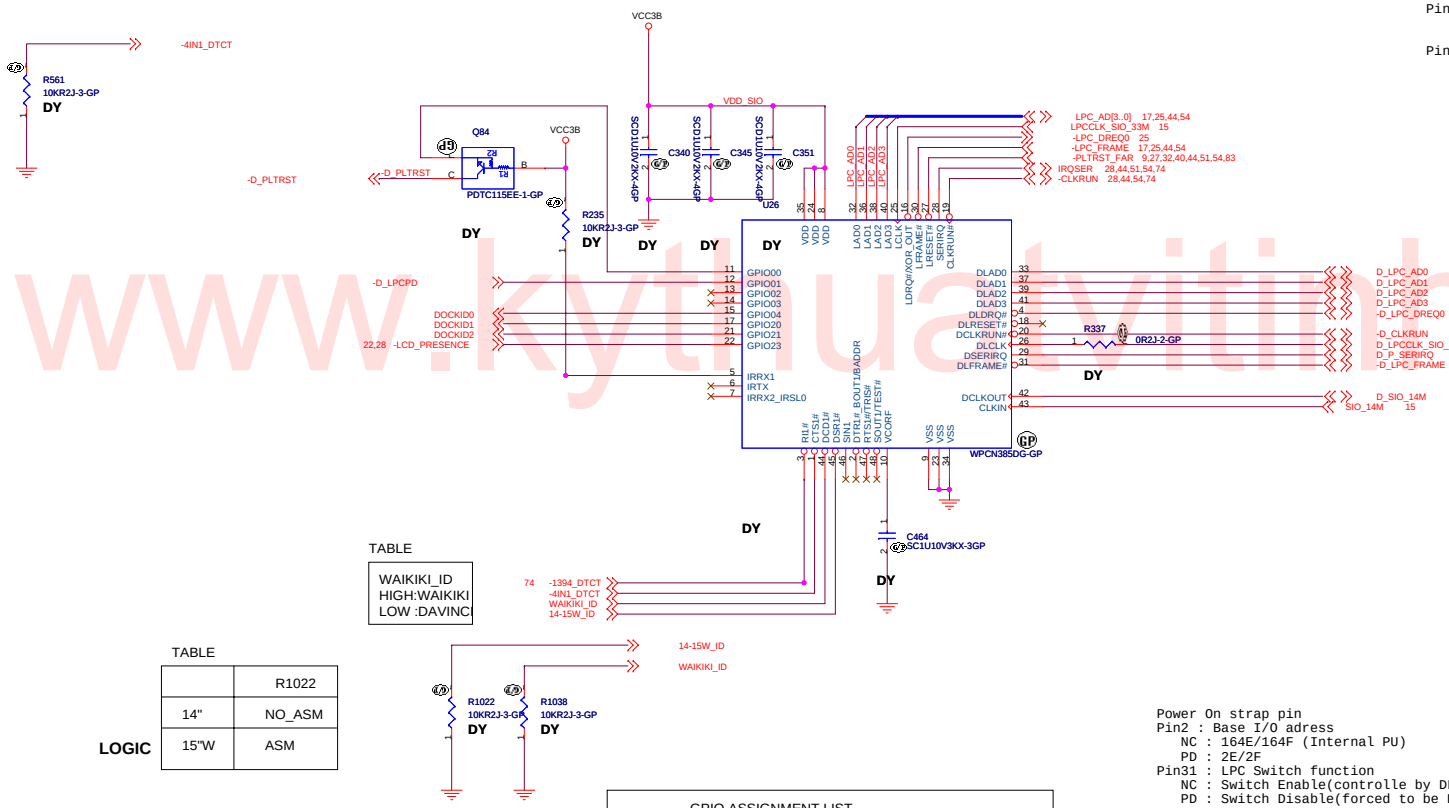
Pin44 : GPIO16:WAIKIKI ID
(INTERNAL PULLUP ENABLE)

Pin7 : GPIO17:RESERVED(NC)
(INTERNAL PULLUP ENABLE)

TABLE

4IN1 SLOT	R561
YES	ASM
NO	NO_ASM

LOGIC



TABLE

WAIKIKI_ID
HIGH:WAIKIKI
LOW :DAVINCI

TABLE

	R1022
14"	NO_ASM
15"W	ASM

LOGIC

GPIO ASSIGNMENT LIST

GPIO00 :LPC RESET# FOR DOCKING LPC DEVICE
GPIO01 :LPC POWER DOWN FOR DOCKING LPC DEVICE
GPIO02 :RESERVED(INTERNAL PULLUP ENABLE)
GPIO03 :RESERVED(INTERNAL PULLUP ENABLE)
GPIO04 :DOCK ID 0(INTERNAL PULLUP ENABLE)
GPIO20 :DOCK ID 1(INTERNAL PULLUP ENABLE)
GPIO21 :DOCK ID 2(INTERNAL PULLUP ENABLE)
GPIO23 :LCD PRESENCE DETECT(INTERNAL PULLUP ENABLE)

Power On strap pin
Pin2 : Base I/O adress
NC : 164E/164F (Internal PU)
PD : 2E/2F
Pin31 : LPC Switch function
NC : Switch Enable(controlle by DLCON bit)
PD : Switch Disable(forced to be Dissconnected)
Pin47 : Tristate
NC : Normal Operation
PD : All pins floting
Pin48 : Test
NC : Normal Operation
PD : Test mode

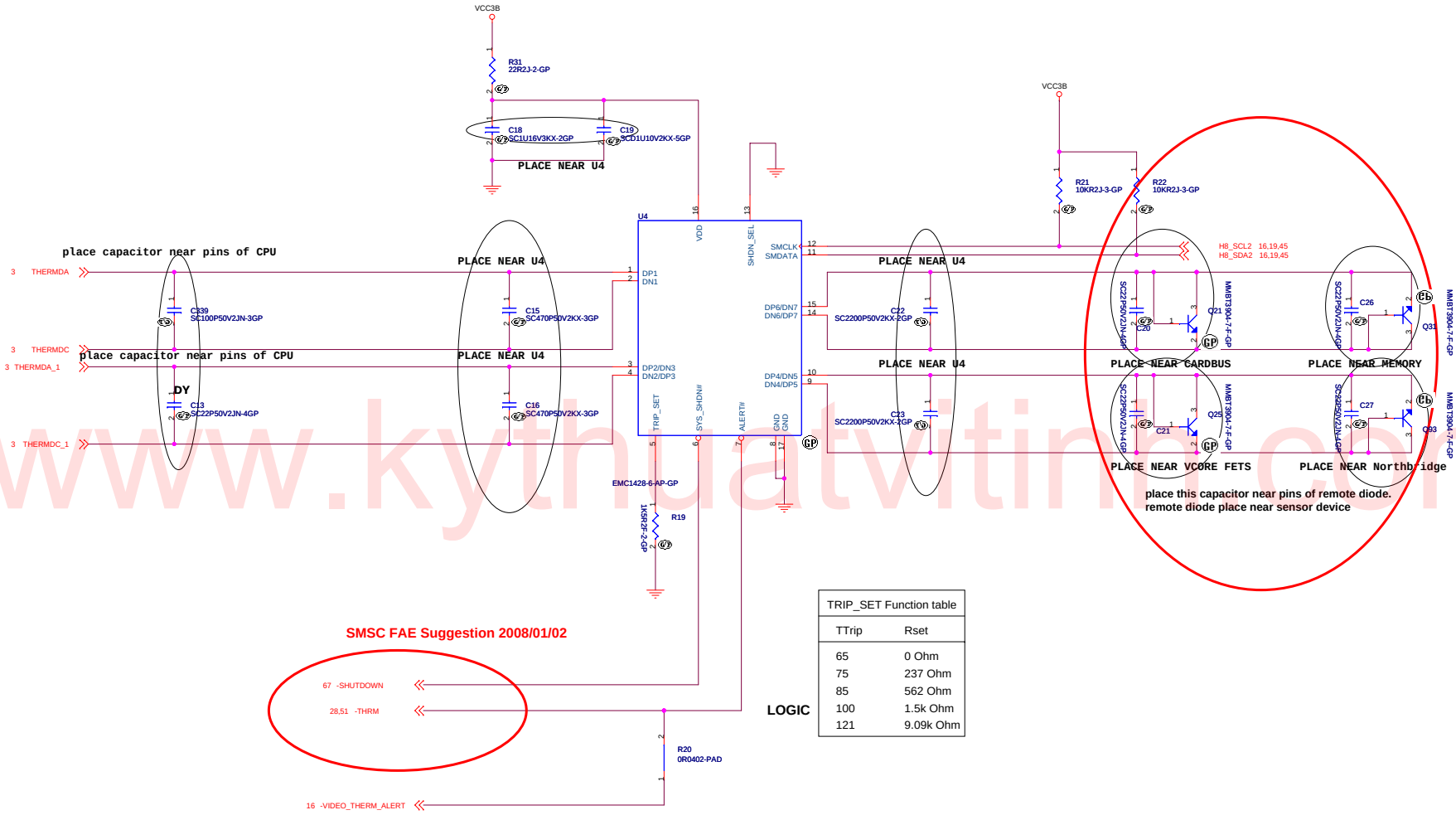
<Variant Name>

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

Title: SUPER I/O WPCN385SDG

Size: C | Document Number: N-note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 52 of 83



TRIP_SET Function table	
TTrip	Rset
65	0 Ohm
75	237 Ohm
85	562 Ohm
100	1.5k Ohm
121	9.09k Ohm

SMBUS ADDRESS: 1001_100Xb
PLACE NEAR GLAN CHIP

<Variant Name>

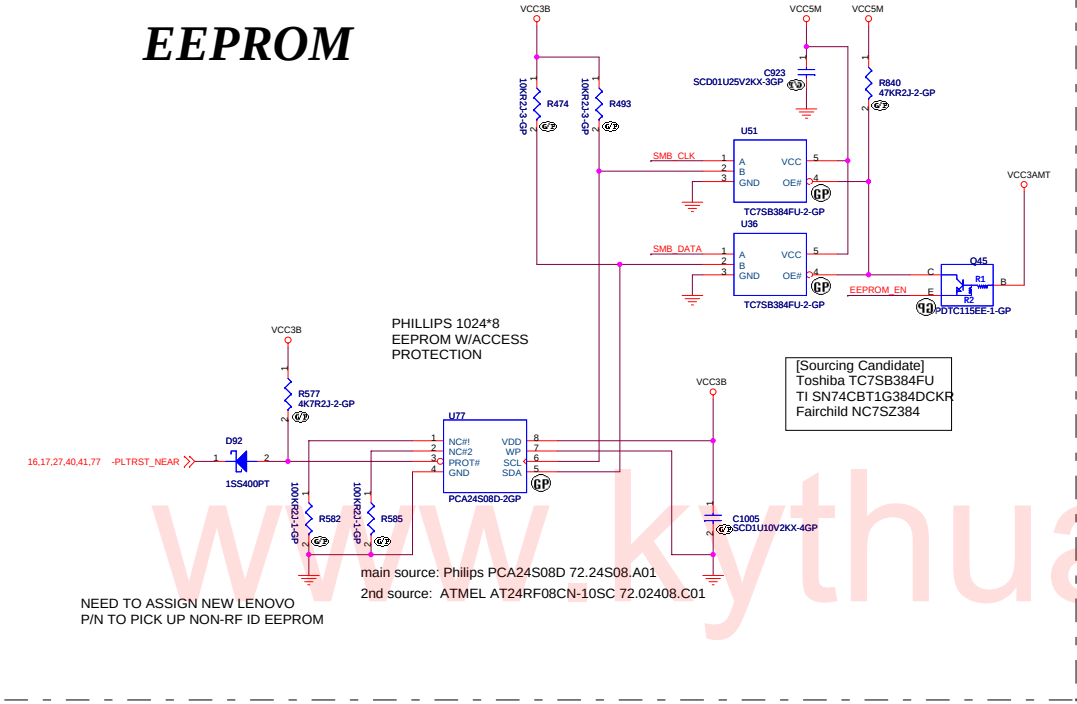
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title: THERMAL SENSOR

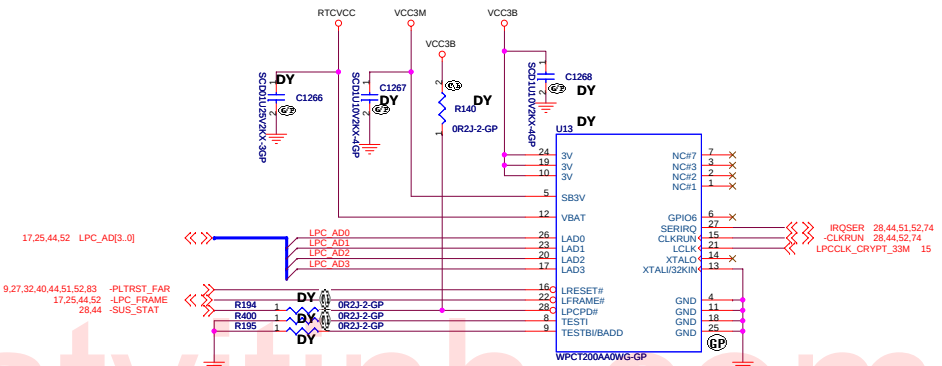
Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 53 of 83

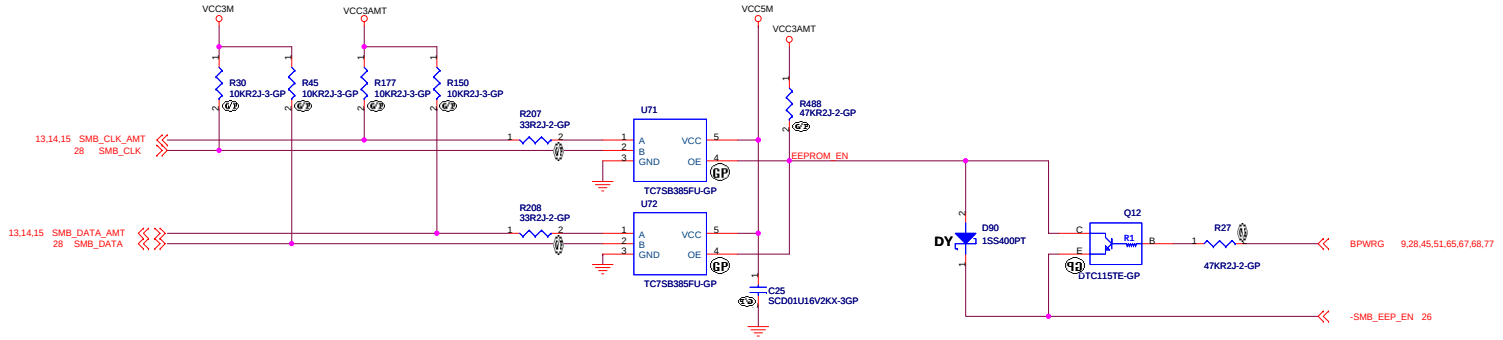
EEPROM



TCPA



SM BUS SW



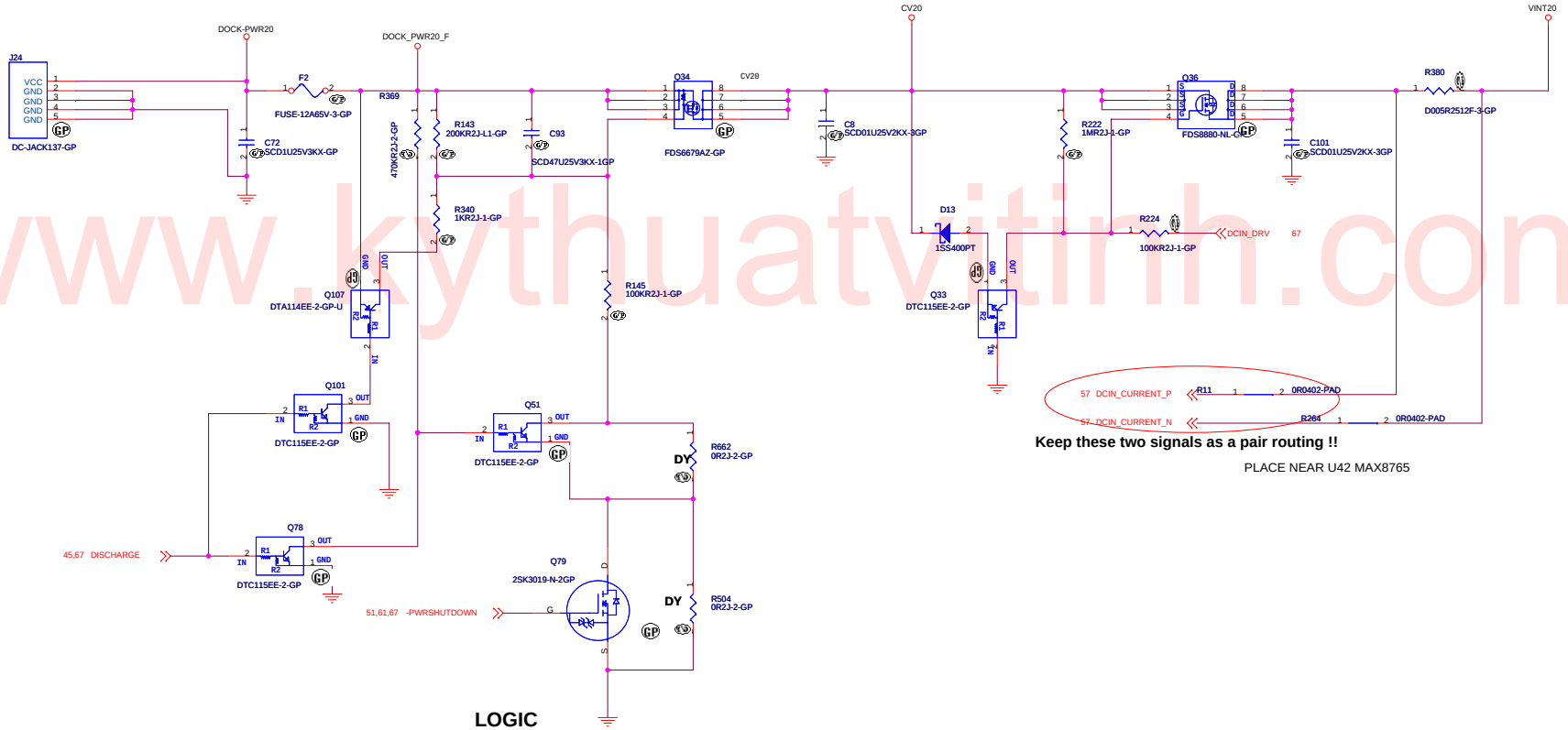
<Variant Name>

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

Title: EEPROM/SMBUS SW/TPM

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 54 of 83



LOGIC

PEAK SHIFT	YES	NO
R662	NO-ASM	ASM
R369	ASM	NO-ASM
Q78	ASM	NO-ASM
Q51	ASM	NO-ASM

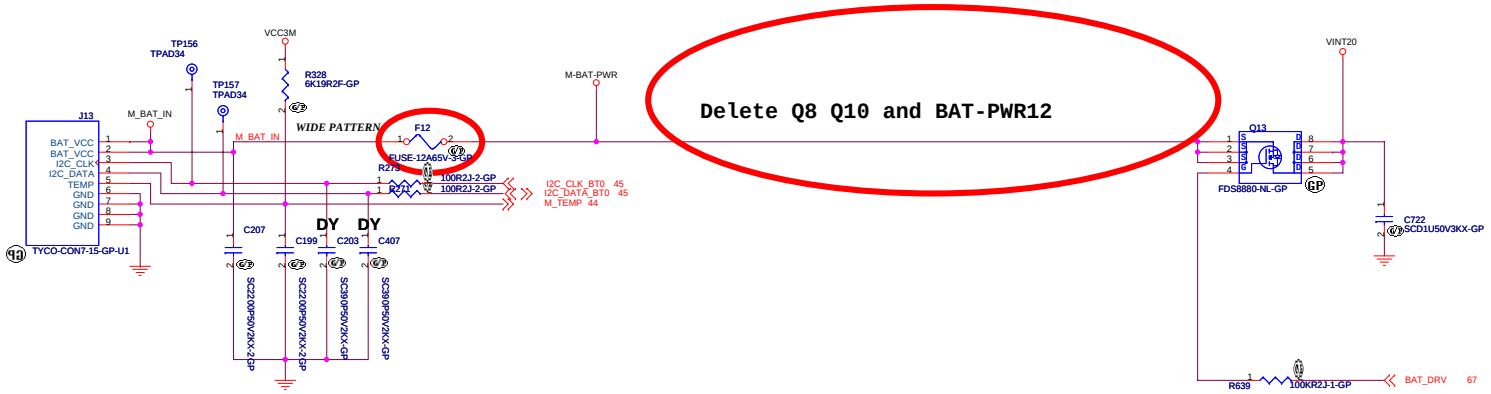
<Variant Name>

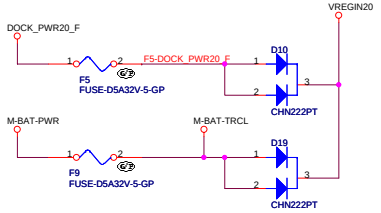
Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

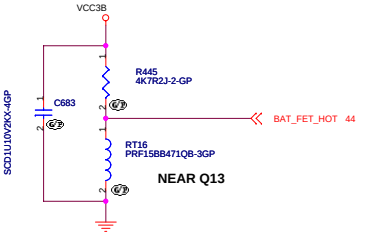
Title: DC-IN

Size: C | Document Number: N note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 55 of 83







<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	BATTERY INPUT	
Size C	Document Number N note	Rev 1
Date: Thursday, June 26, 2008	Sheet 56 of 83	

90W, 65W, auto selection mode

MAX Power Setting		65W	80W	90W
IINP	R325	26.7K	21.5K	19.1K
-90W_AC	R312	DY	27.0K	16.2K
Logic	Q32	DY	2SK3541	2SK3541

Delete R5028 Q134

HI:3S
LO:4S

Delete D123 D124

Change to 9.1K

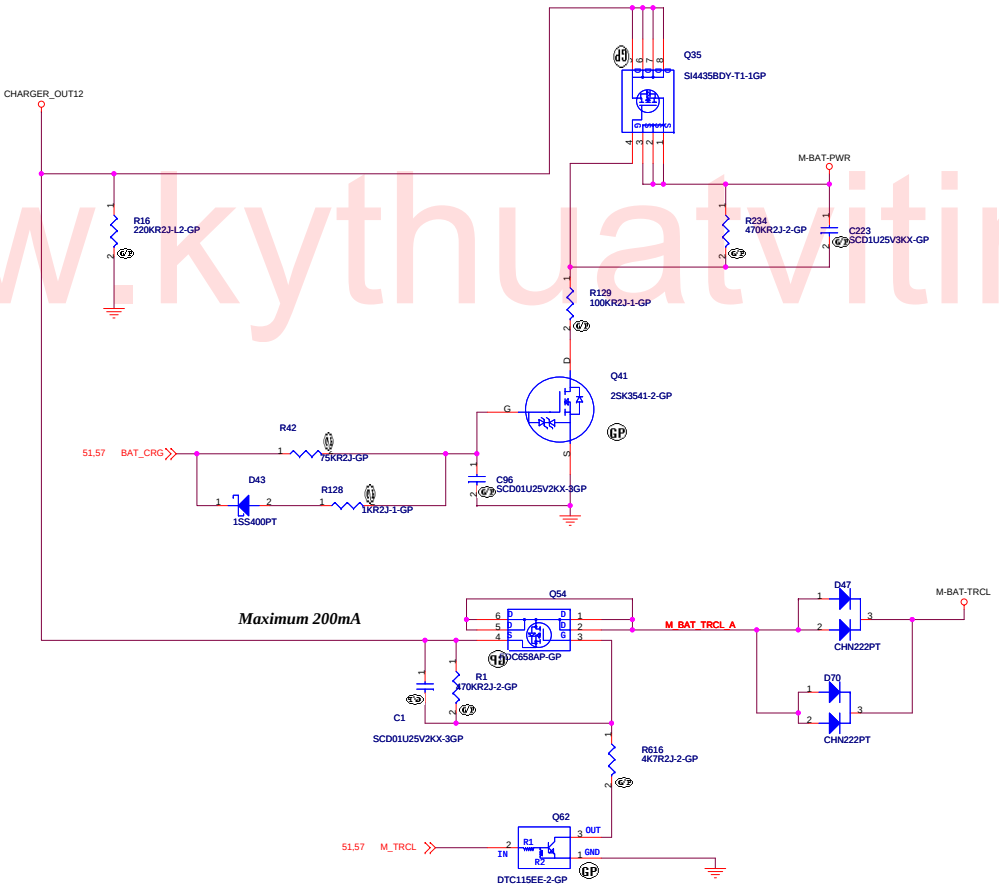
<Variant Name>

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

Title: BATTERY CHARGER

Size: A3 | Document Number: N-note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 57 of 83



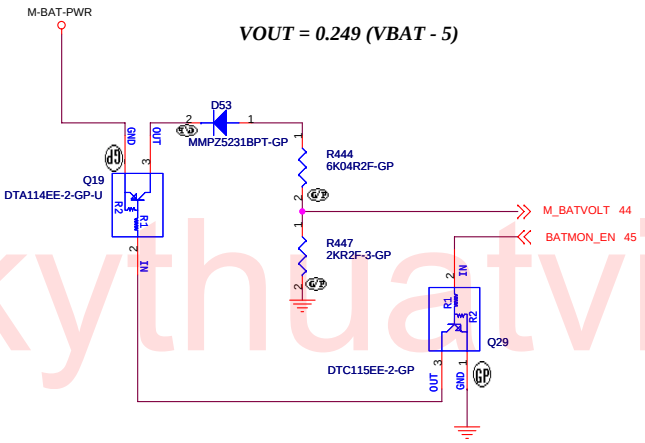
<Variant Name>

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

Title: ***CHARGER SELECT***

Size	Document Number	Rev
C	N note	1

Date: Thursday, June 26, 2008 Sheet 58 of 83



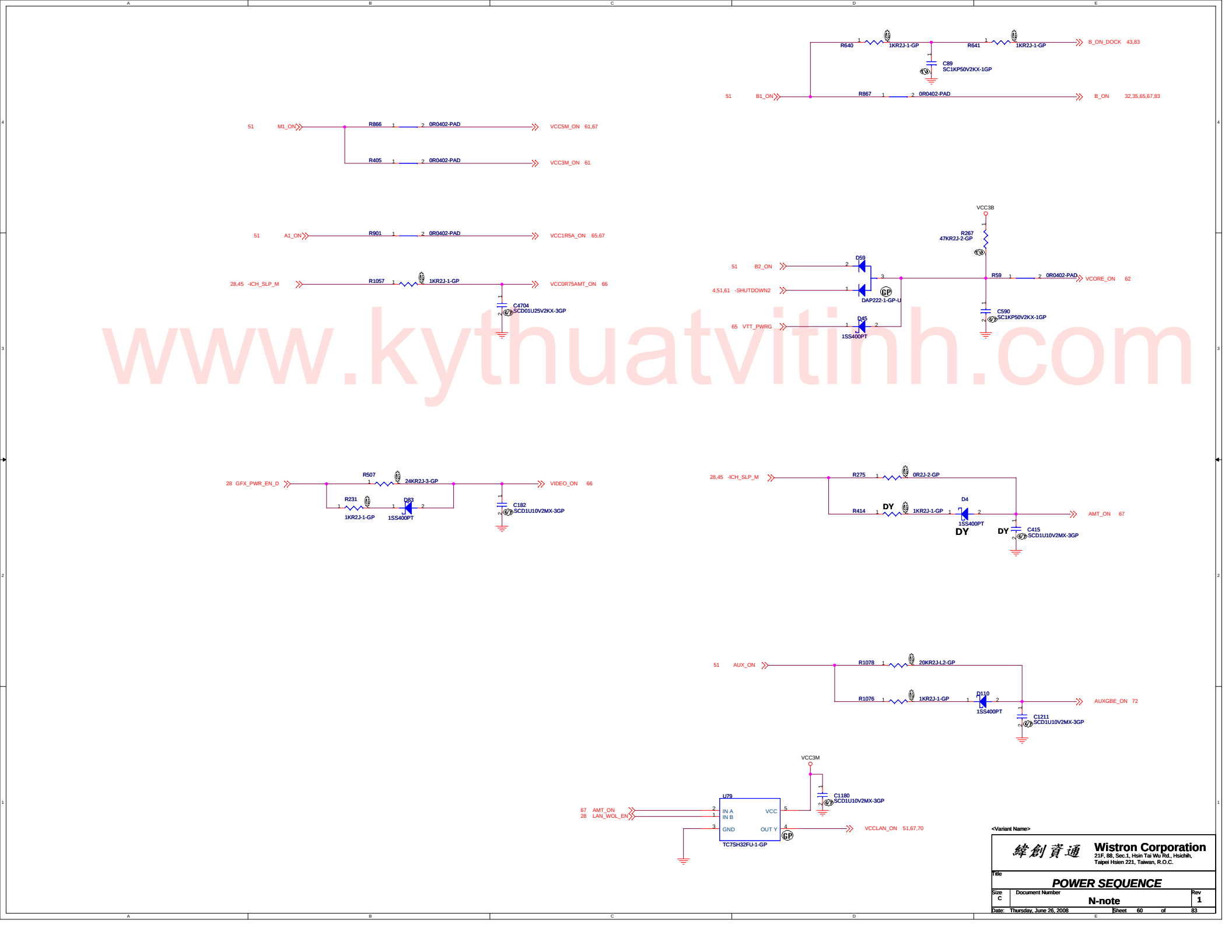
<Variant Name>

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

Title: **BATTERY MONITOR**

Size	Document Number	Rev
C	N note	1

Date: Thursday, June 26, 2008 Sheet 59 of 83



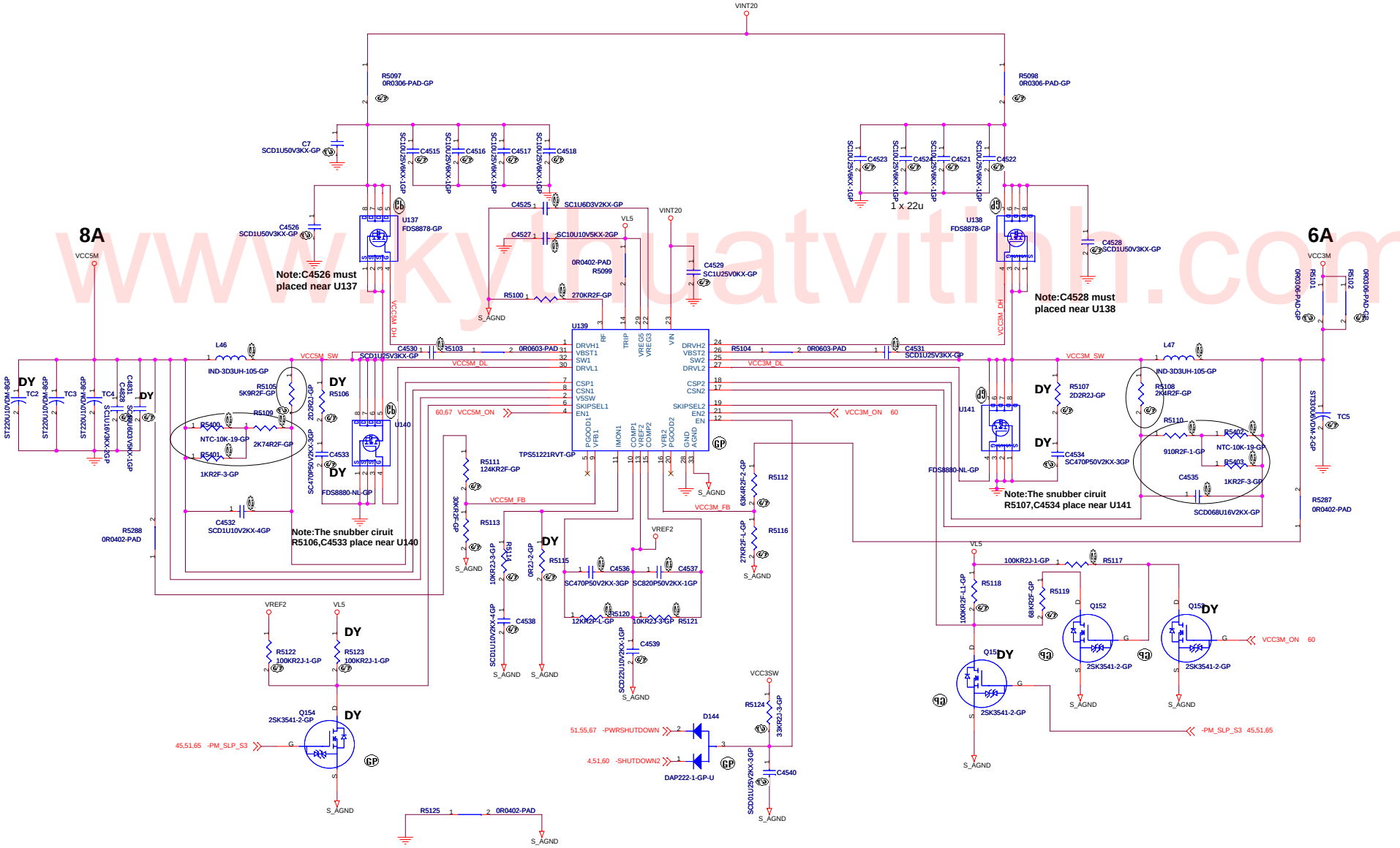
<Variant Name>

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

Title: POWER SEQUENCE

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 60 of 83



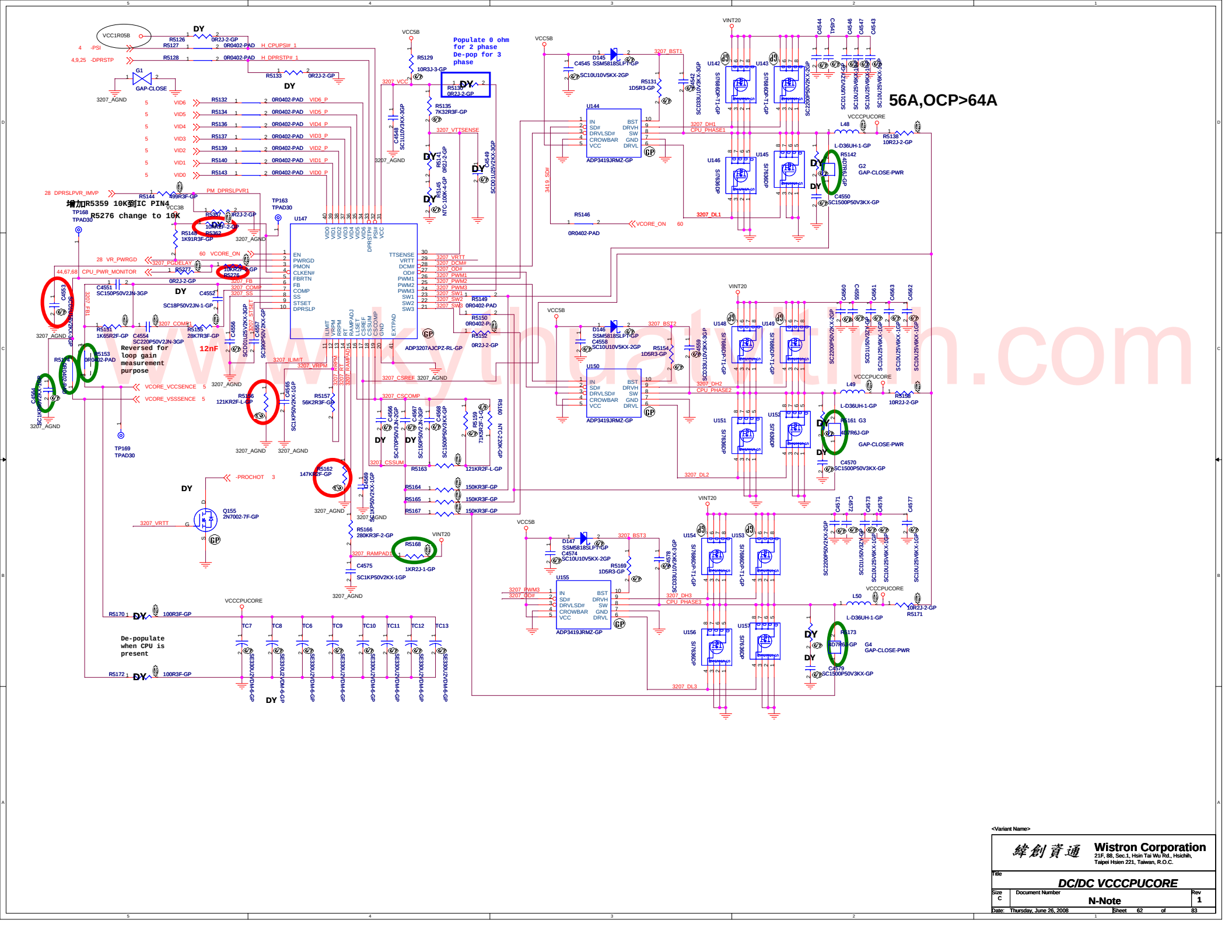
<variant_name>

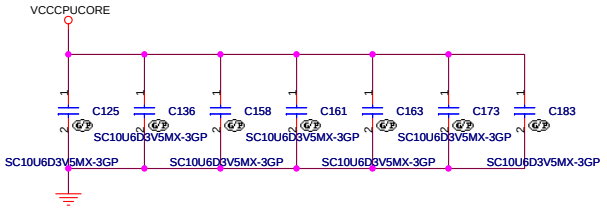
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

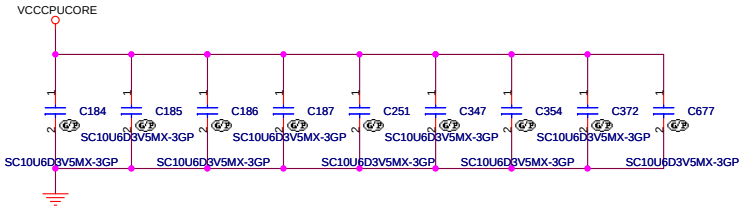
Title: DC-DC VCC3M/VCC5M

Size	Document Number	Rev
C	N-note	1

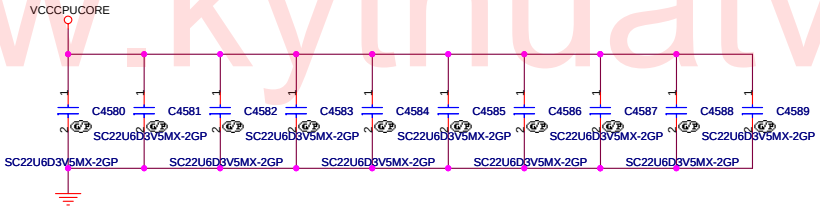
Date: Thursday, June 26, 2008 Sheet 61 of 83

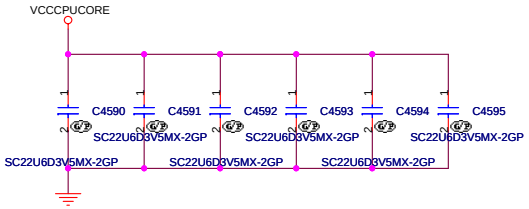






10UF 6.3V X5R 2125 1/16W X16 PCS





22UF 6.3V X5R 2125 1/16W X16 PCS

<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: ***VCCCPUCORE DECOUPLING***

Size	Document Number	Rev
C	N note	1

Date: Thursday, June 26, 2008 Sheet 63 of 83

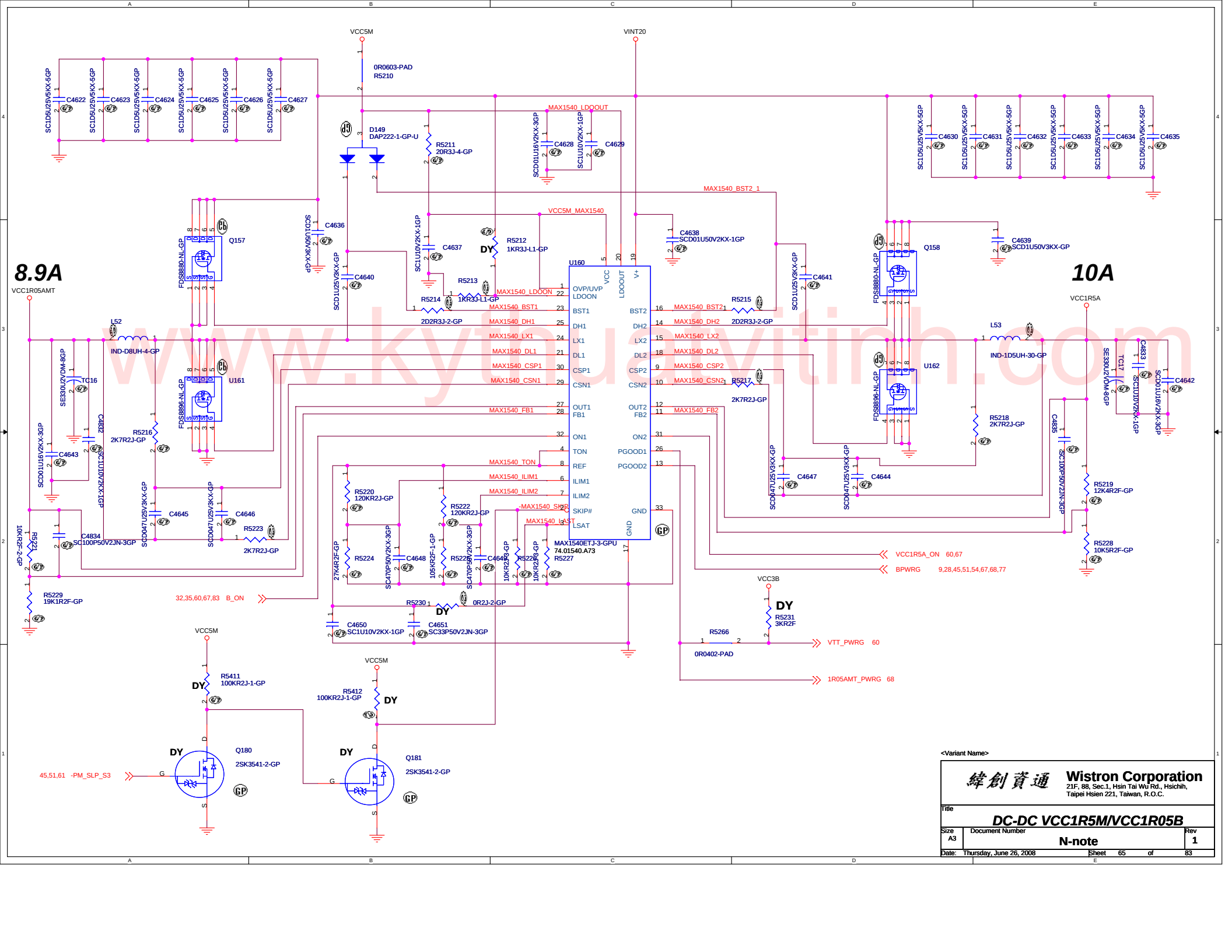
<Variant Name>

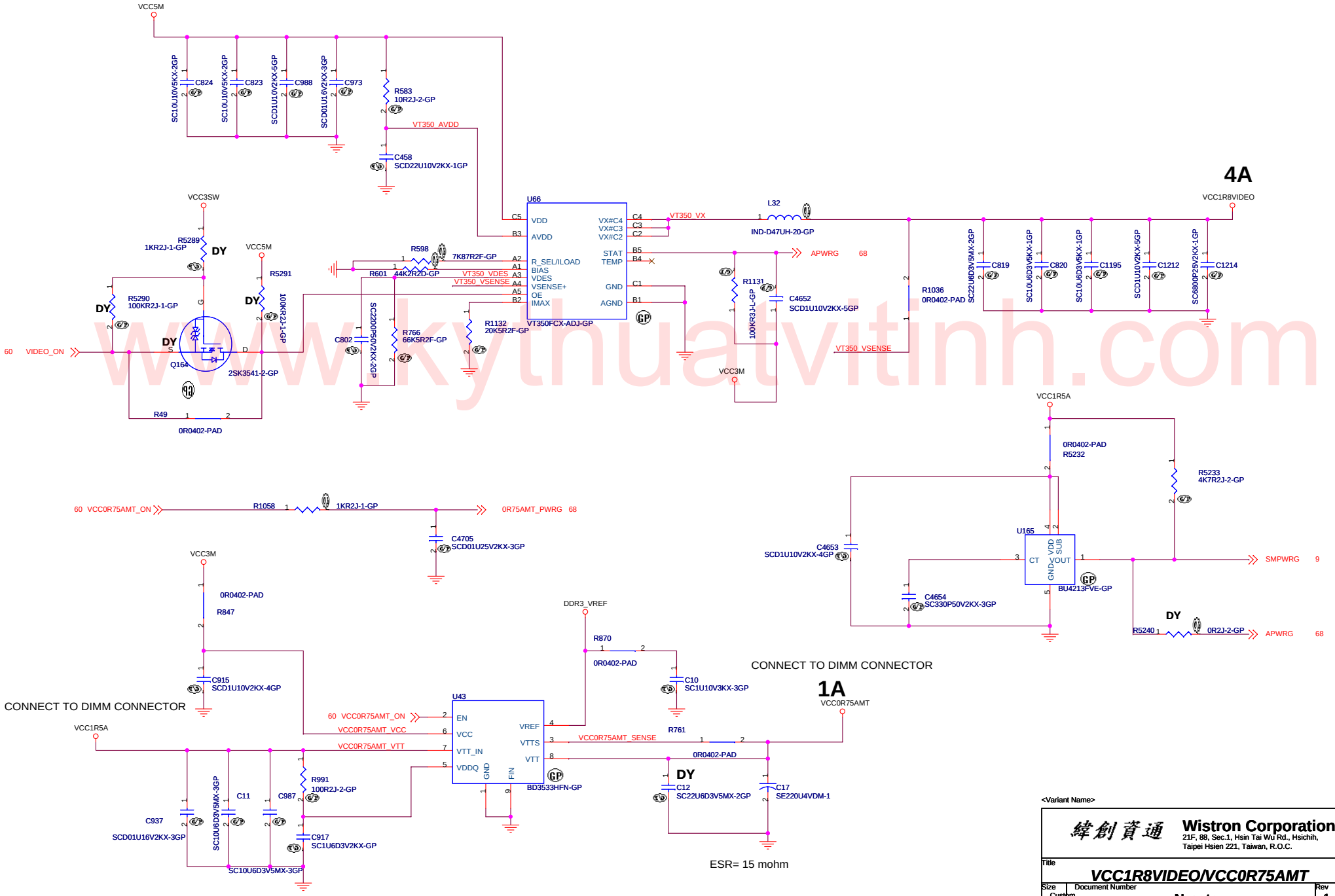
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title

DC-DC GFX_CORE

Size	Document Number	Rev
Custom	N-note	1





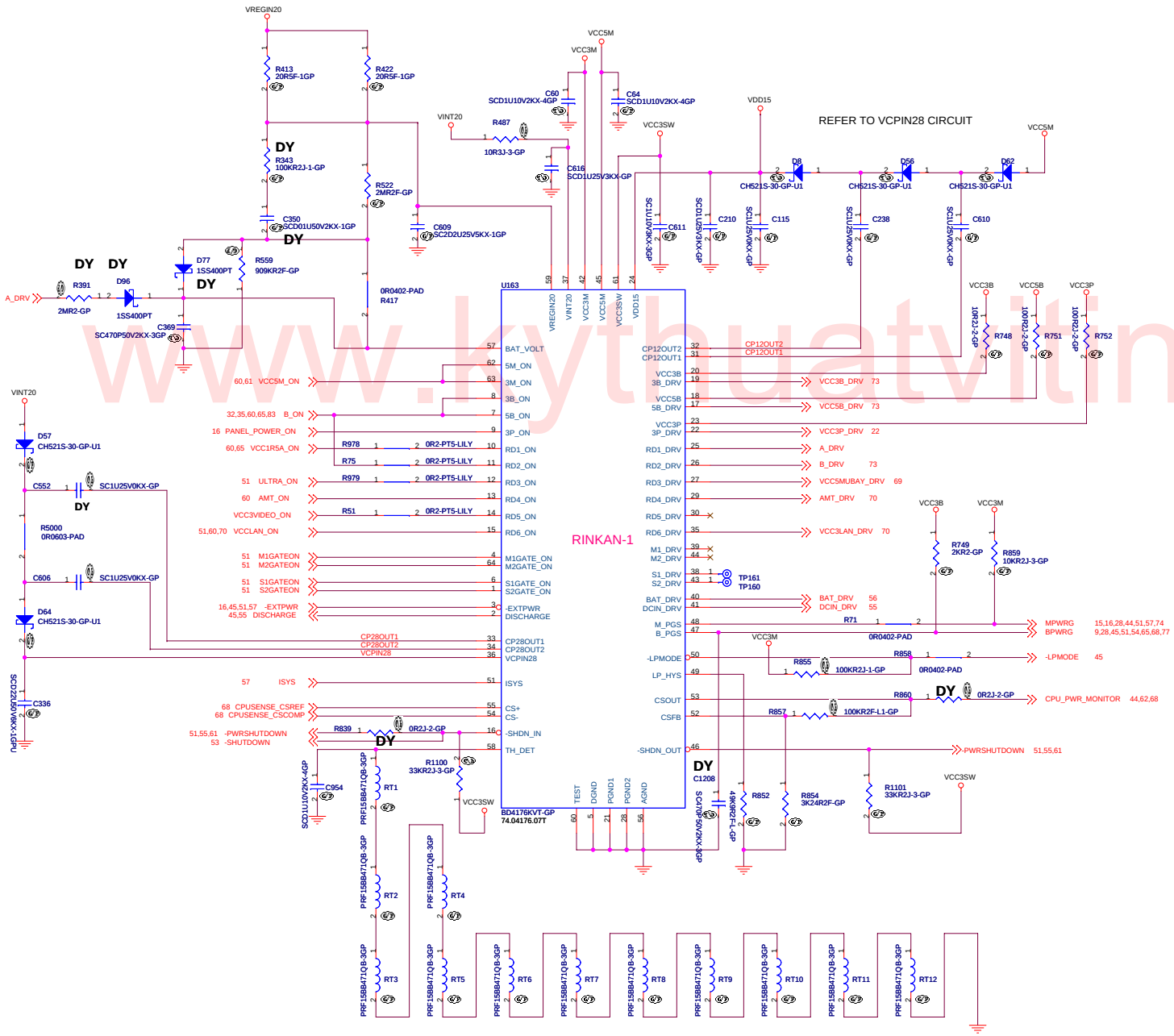
<variant_name>

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

Title: VCC1R8VIDEO/VCC0R75AMT

Size: Custom | Document Number: N-note | Rev: 1

Date: Thursday, June 26, 2008 | Sheet 66 of 83
</variant_name>



<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: DC/DC RINKAN

Size	Document Number	Rev
C	N-note	1

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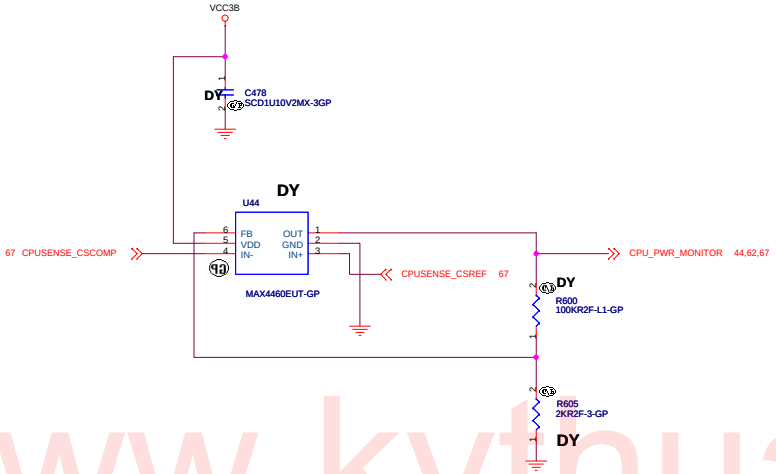

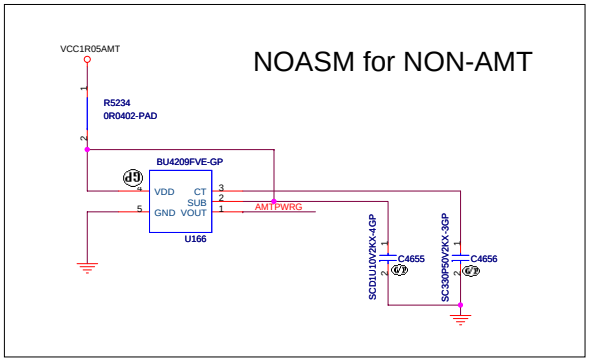

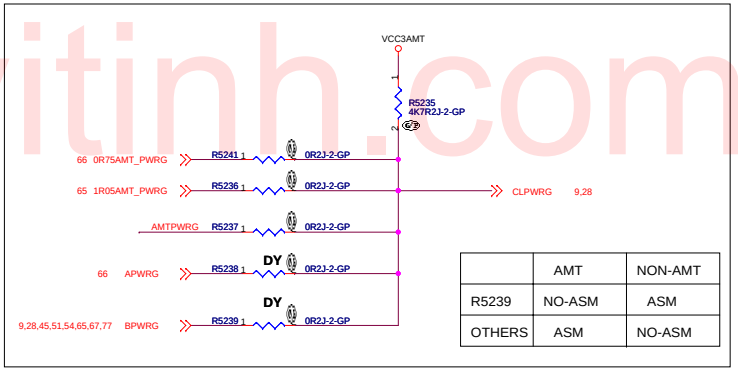

	AMT	NON-AMT
R5239	NO-ASM	ASM
OTHERS	ASM	NO-ASM

<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: CPU POWER MOMITOR

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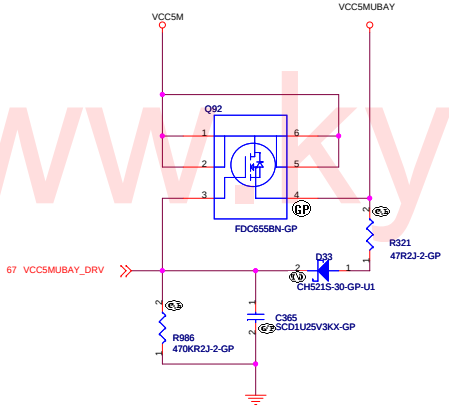
Ultrabay Power Load Switch

1.8A



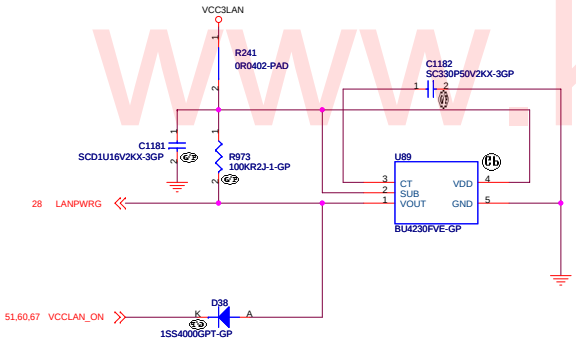
<Variant Name>

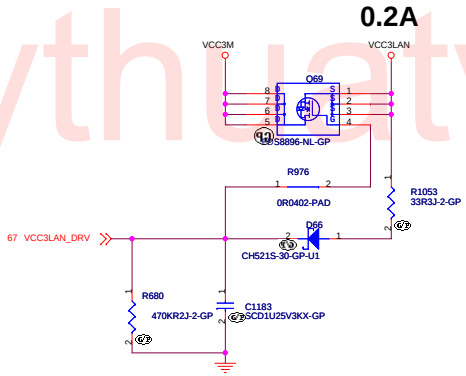
緯創資通 **Wistron Corporation**
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

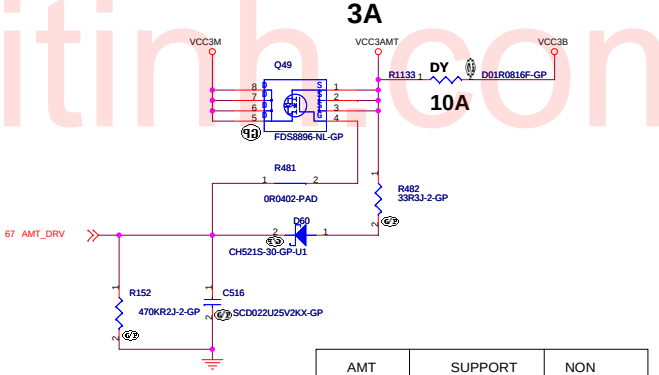
Title: ***LOAD SW(B&UBAY)***

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 69 of 83







AMT	SUPPORT	NON
R1133	NO_ASM	ASM
THEE OTHER	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: LOAD SE AMT & LAN

Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 70 of 83

<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: LOAD SW VIDEO

Size	Document Number	Rev
C	N-note	1

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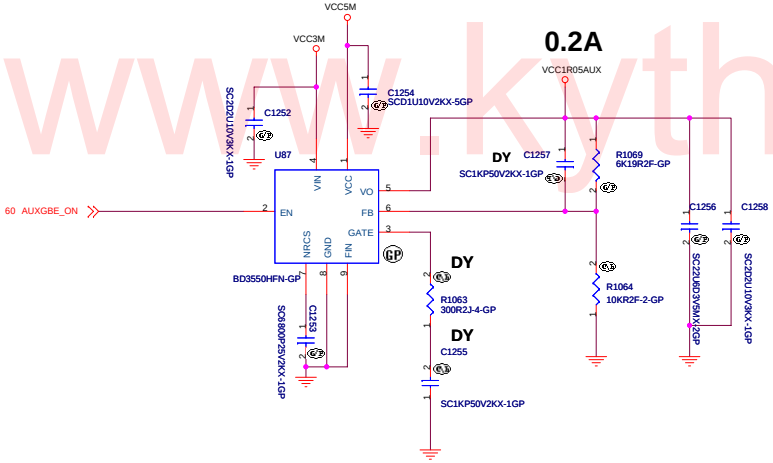
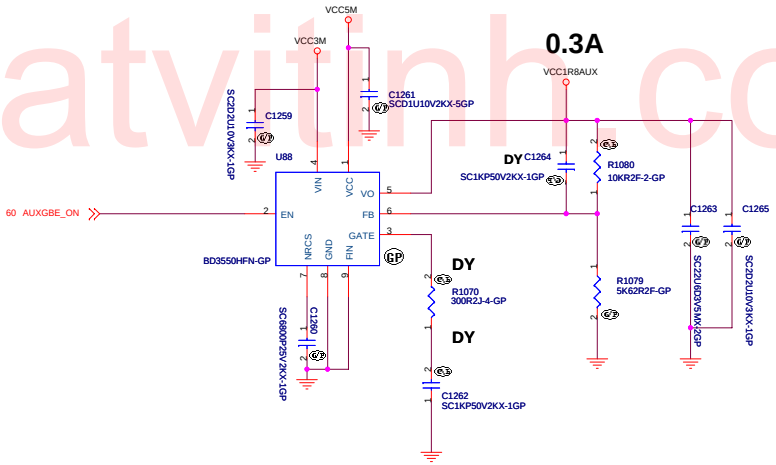
VCC1R8AUX
1.8V :R1079 : 5.62KOHM
2.5V: R1079: 3.48KOHM





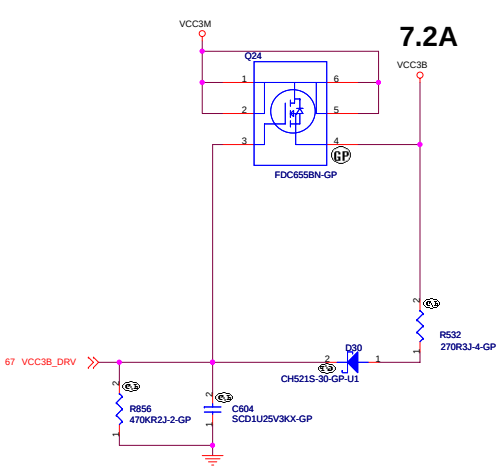
<Variant Name>

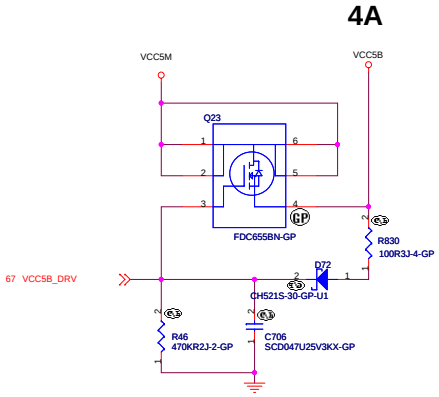
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

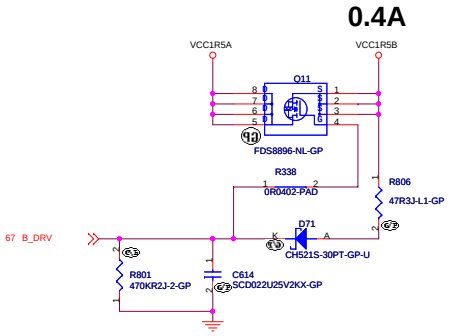
Title: LOAD SW AUX

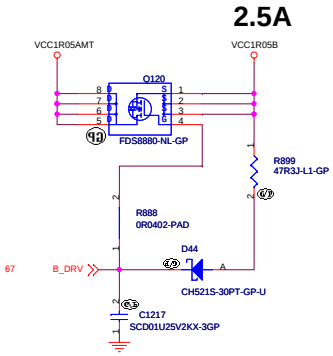
Size	Document Number	Rev
C	N-note	1

Date: Thursday, June 26, 2008 Sheet 72 of 83









<Variant Name>

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

Title: LOAD SW B

Size	Document Number	Rev
C	N-note	1

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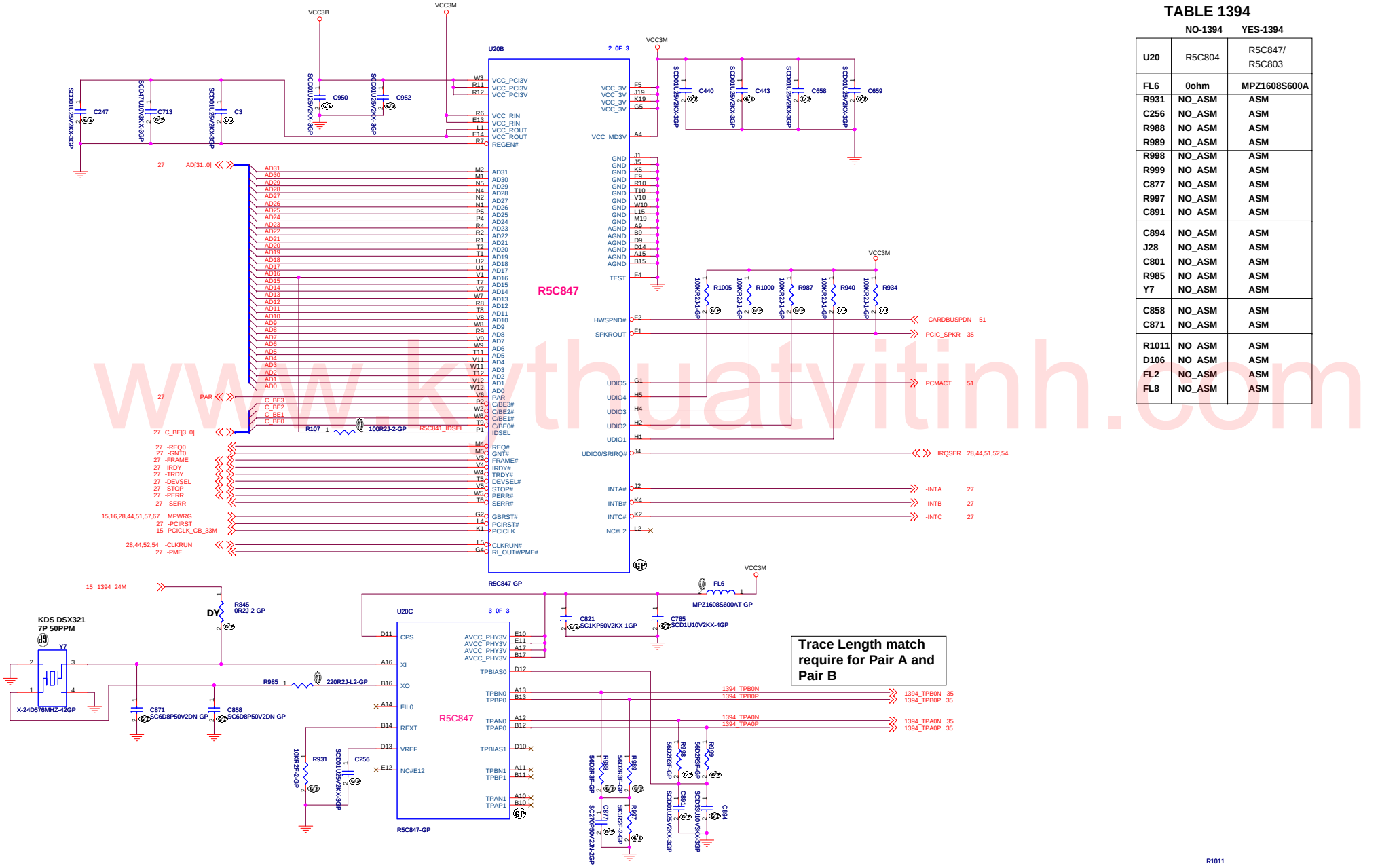

TABLE 1394

	NO-1394	YES-1394
U20	R5C804	R5C847/ R5C803
FL6	0ohm	MPZ1608S600A
R931	NO_ASM	ASM
C256	NO_ASM	ASM
R988	NO_ASM	ASM
R989	NO_ASM	ASM
R998	NO_ASM	ASM
R999	NO_ASM	ASM
C877	NO_ASM	ASM
R997	NO_ASM	ASM
C891	NO_ASM	ASM
C894	NO_ASM	ASM
J28	NO_ASM	ASM
C801	NO_ASM	ASM
R985	NO_ASM	ASM
Y7	NO_ASM	ASM
C858	NO_ASM	ASM
C871	NO_ASM	ASM
R1011	NO_ASM	ASM
D106	NO_ASM	ASM
FL2	NO_ASM	ASM
FL8	NO_ASM	ASM

<Variant Name>

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

Title: CARDBUS CONTROLLER (1/2)

Size: C | Document Number: N-note | Rev: 1

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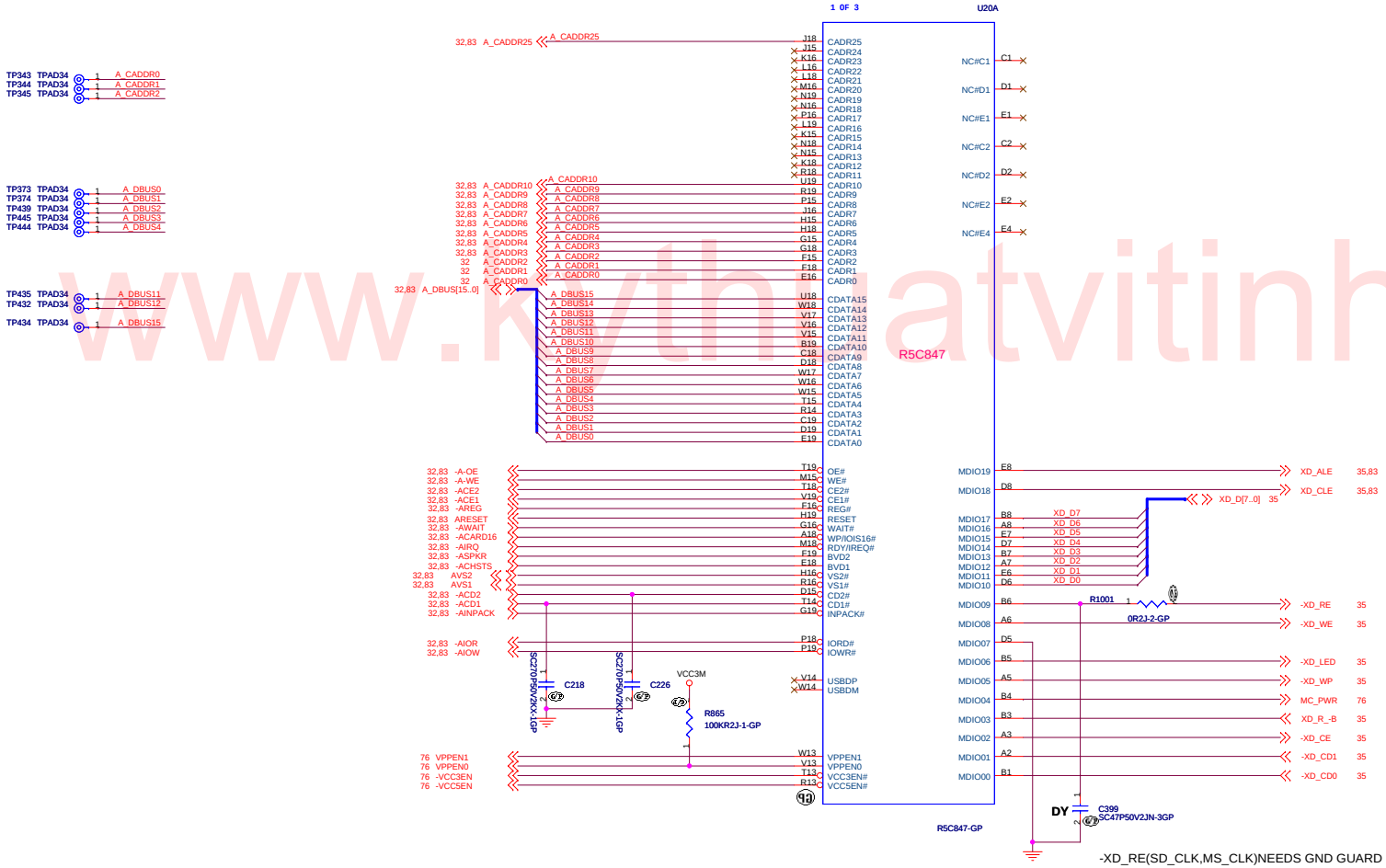

<Variant Name>

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

Title: CARD BUS CONTROLLER (2/2)

Size	Document Number	Rev
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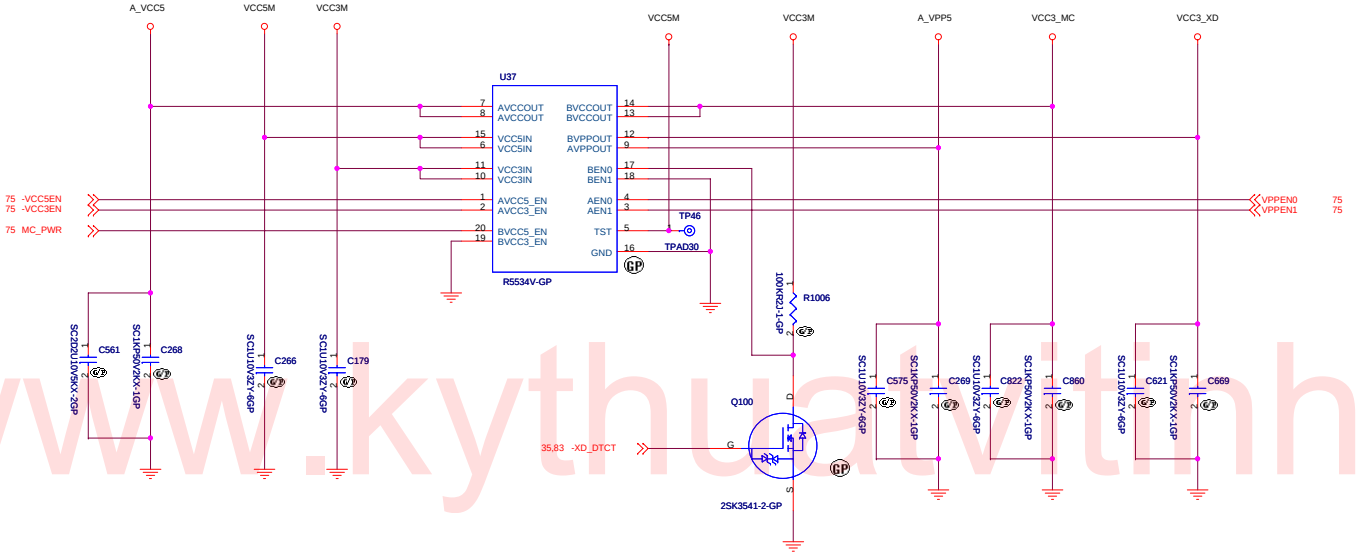

U20	R5C847	R5C803/4
C822	ASM	NO_ASM
C860	ASM	NO_ASM
C621	ASM	NO_ASM
C669	ASM	NO_ASM

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: CARDBUS/EXC POWER CONTROL

Size	Document Number	Rev
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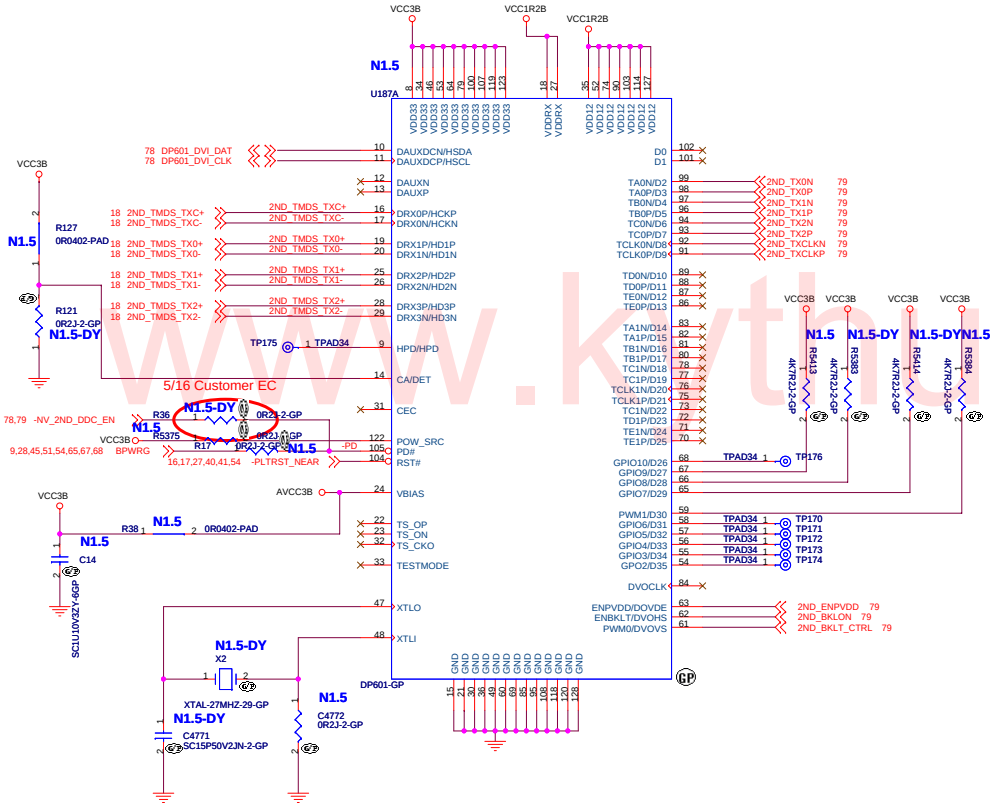

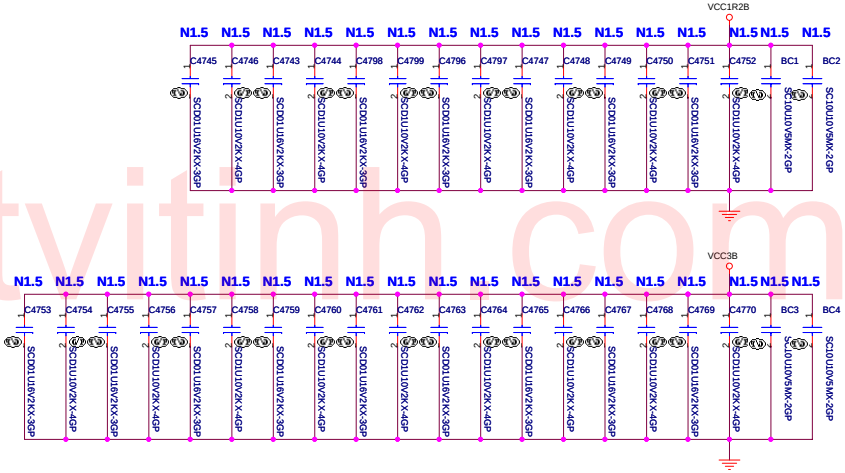

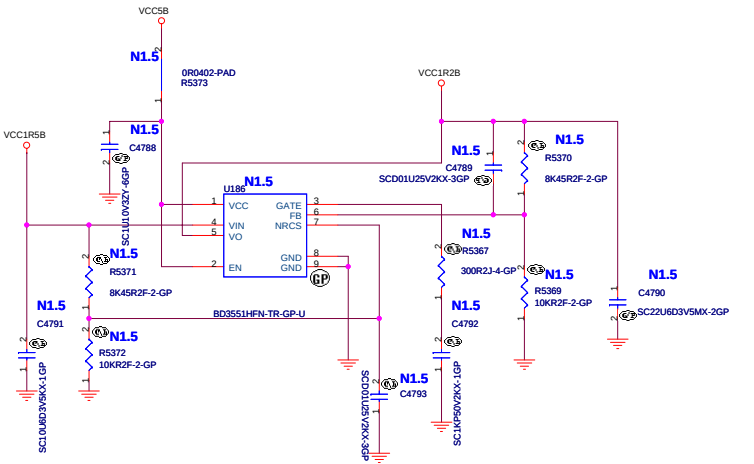

DP601	Internal XTAL	Enternal XTAL
X2	NO-ASM	ASM
C4771	NO-ASM	ASM
C4772	0 Ohm	ASM

<Variant Name>

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

Title: DP601 (1/2)

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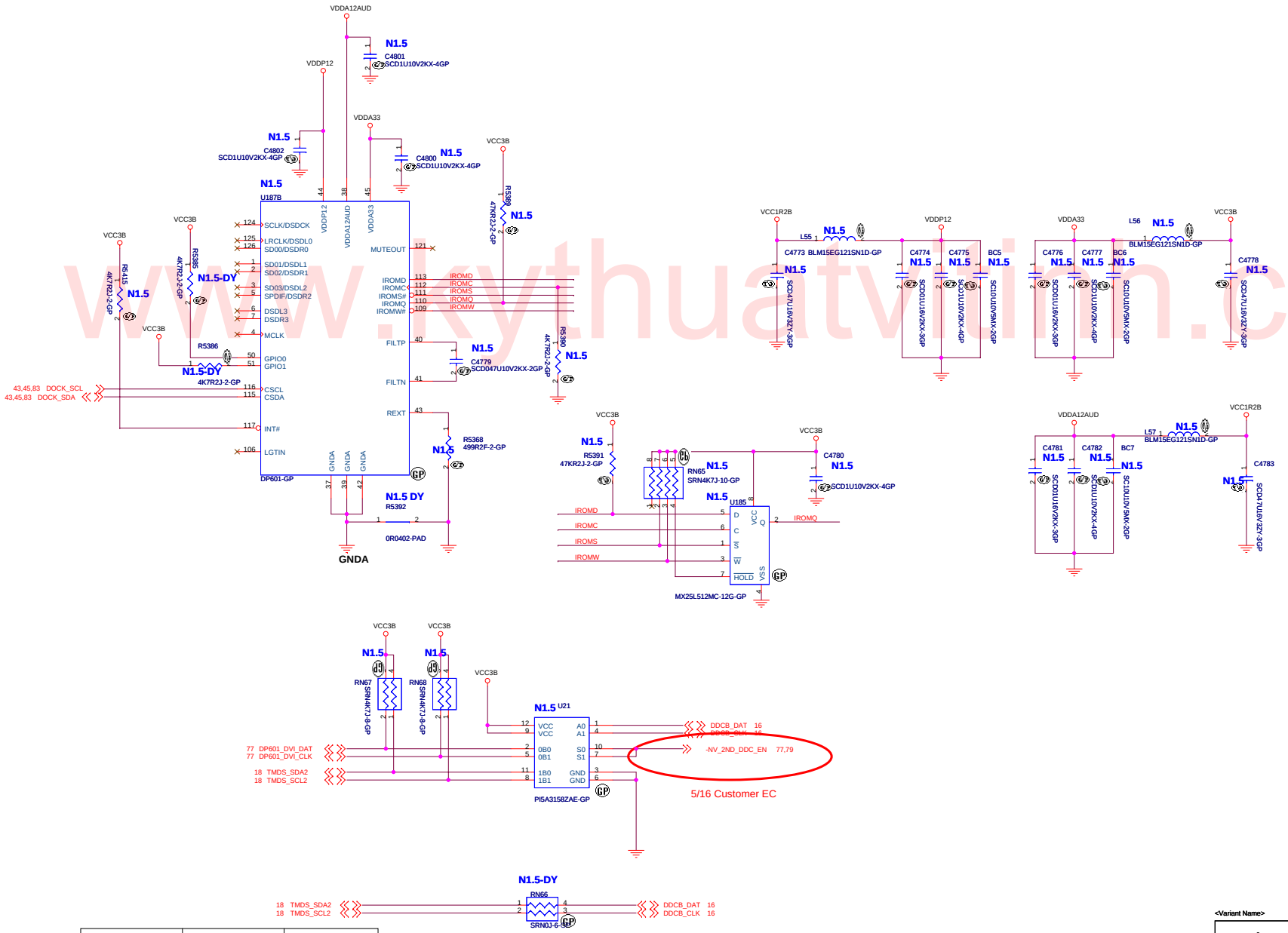

	2nd LCD	NON 2nd LCD
U21	Yes	No
RN66	No	Yes

RN66 Dummy is supported 2'nd LCD.

<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: DP601 (2/2)

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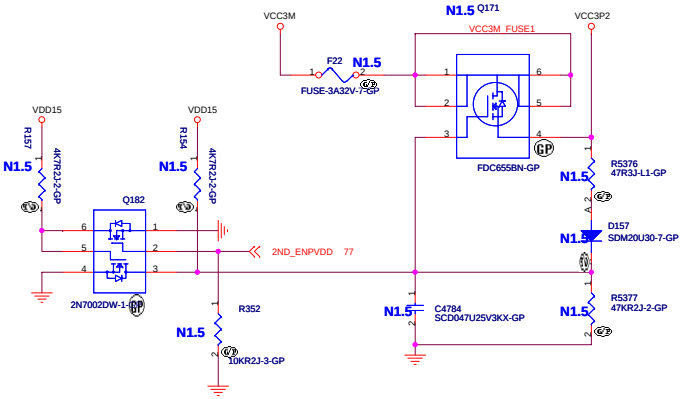
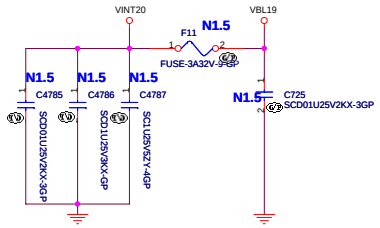
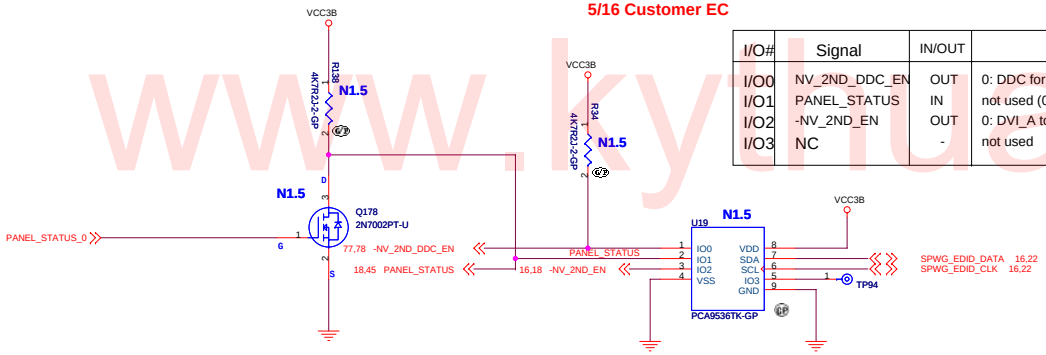
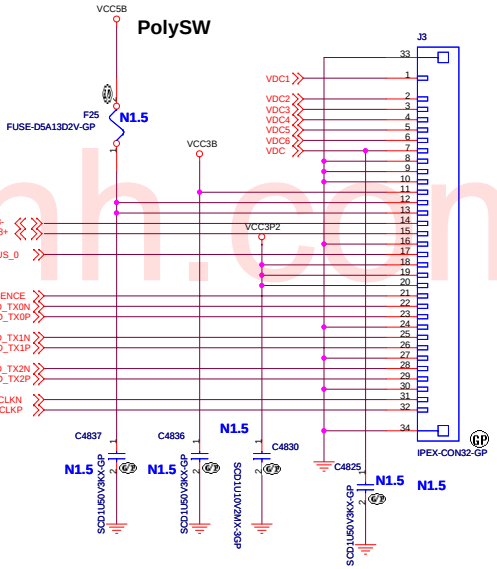






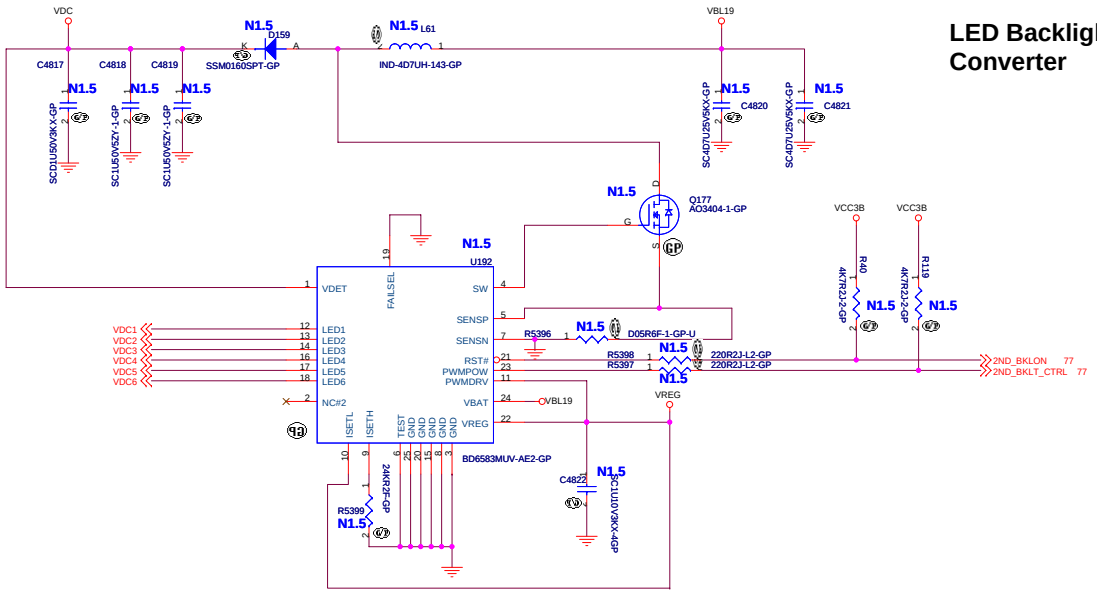
5/16 Customer EC

I/O#	Signal	IN/OUT	Description
I/O0	NV_2ND_DDC_EN	OUT	0: DDC for 2nd LCD, 1: DDC for System DVI
I/O1	PANEL_STATUS	IN	not used (0: 2nd LCD Lid Close, 1: 2nd LCD Lid Open)
I/O2	-NV_2ND_EN	OUT	0: DVI_A to 2nd LCD, 1: DVI_A to System DVI
I/O3	NC	-	not used



U19 I/O Usage
I/O# Signal In/Out Description
IO0 -NV_2ND_DDC_ENOUT0: DDC for 2nd LCD, 1: DDC for System DVI
IO1PANEL_STATUSINnot used (0: 2nd LCD Lid Close, 1: 2nd LCD Lid Open)
IO2+2ND_ENINnot used
IO3-NV_2ND_ENOUT0: DVI_A to 2nd LCD, 1: DVI_A to System DVI

LED Backlight Converter



<Variant Name>

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

Title: 2'ND LCD CONNECTOR

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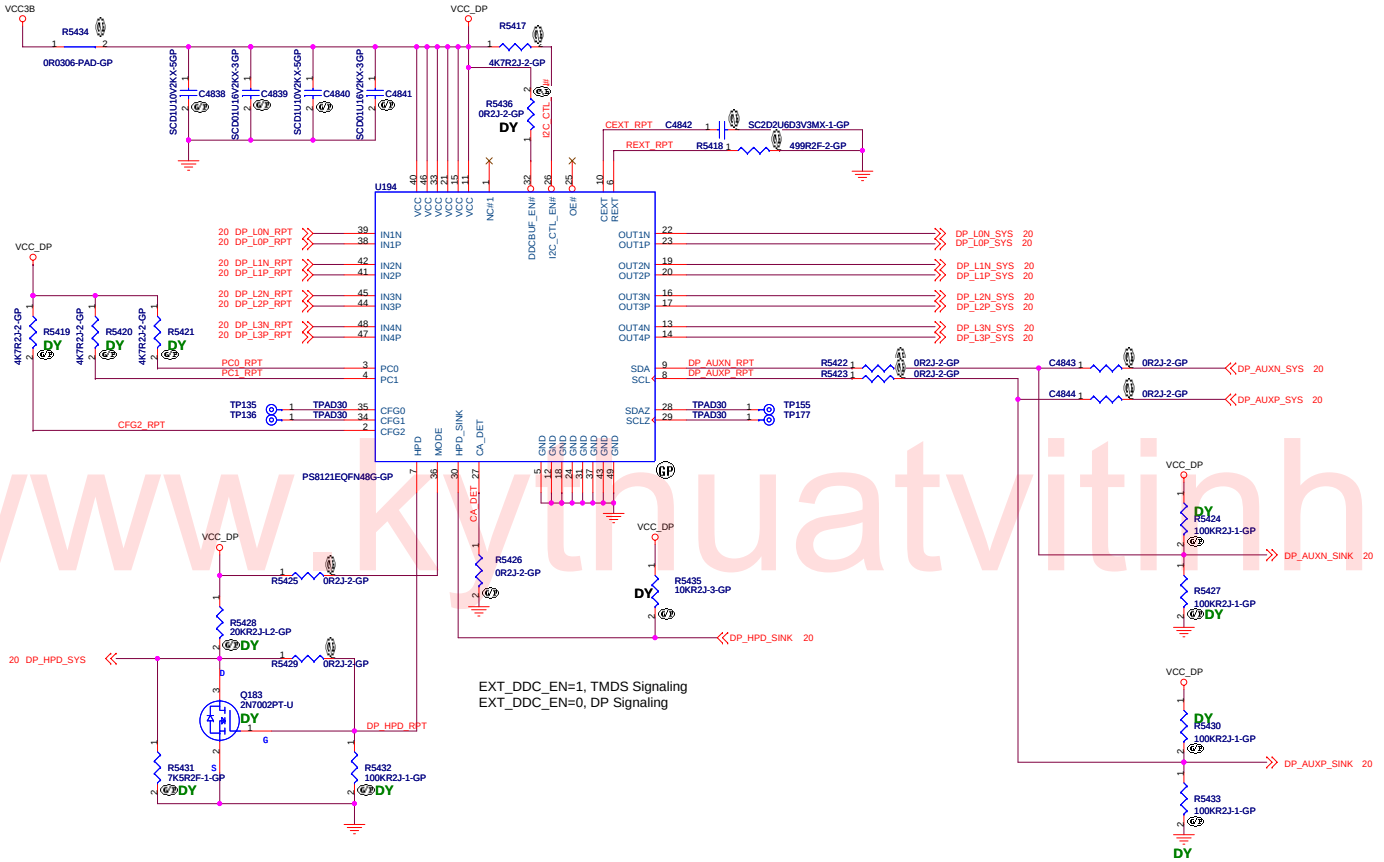

EQUALIZATION SETTING		
PC1	PC0	
0	0	4dB
0	1	1.5dB
1	0	9dB
1	1	7dB

CFG2=LOW, DDC Passive Switch
CFG2=HIGH, DDC Active buffer

EXT_DDC_EN=1, TMDS Signaling
EXT_DDC_EN=0, DP Signaling

<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: DP Repeator

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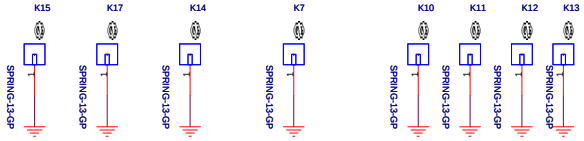
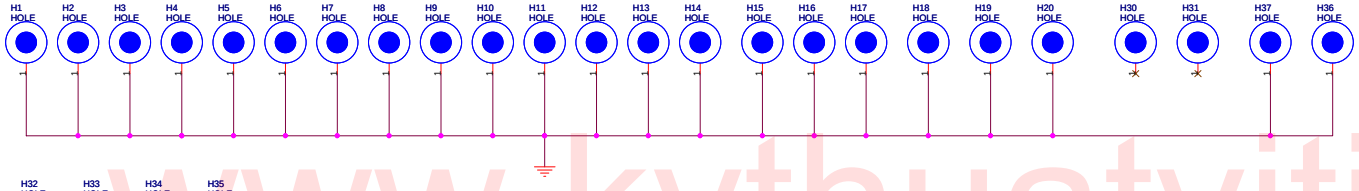
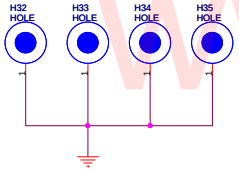
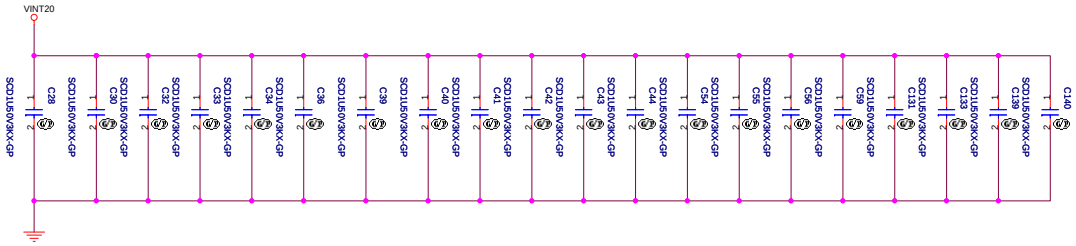


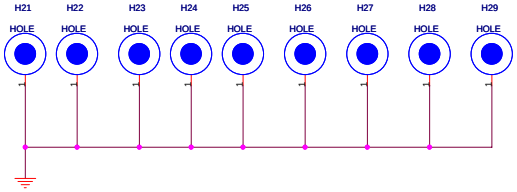


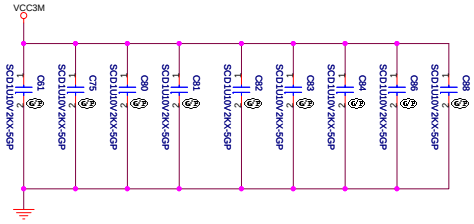


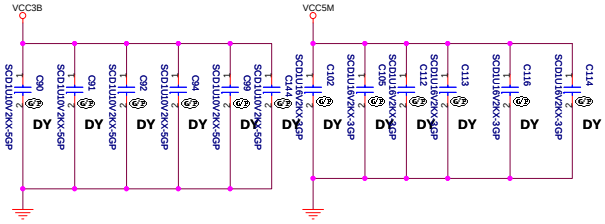
H5,H6,H3,H4,H1,H2,H11,H36,H37 P/N are 34.4B502.001.

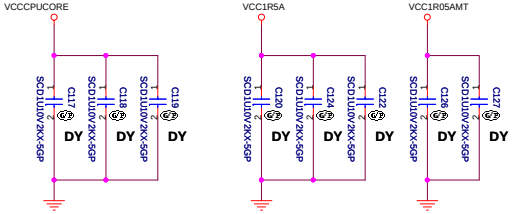
H7/H8 P/N are 34.4B403.001.











<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	***PTH FOR SCREW HOLES***	
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N-note SDV

<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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