

July 22 '05

Clock Generator
CK-410M 19

Intel
Yonah NV/LV/ULV
Processor 3, 4, 5

Thermal
Sensor
LM26 5

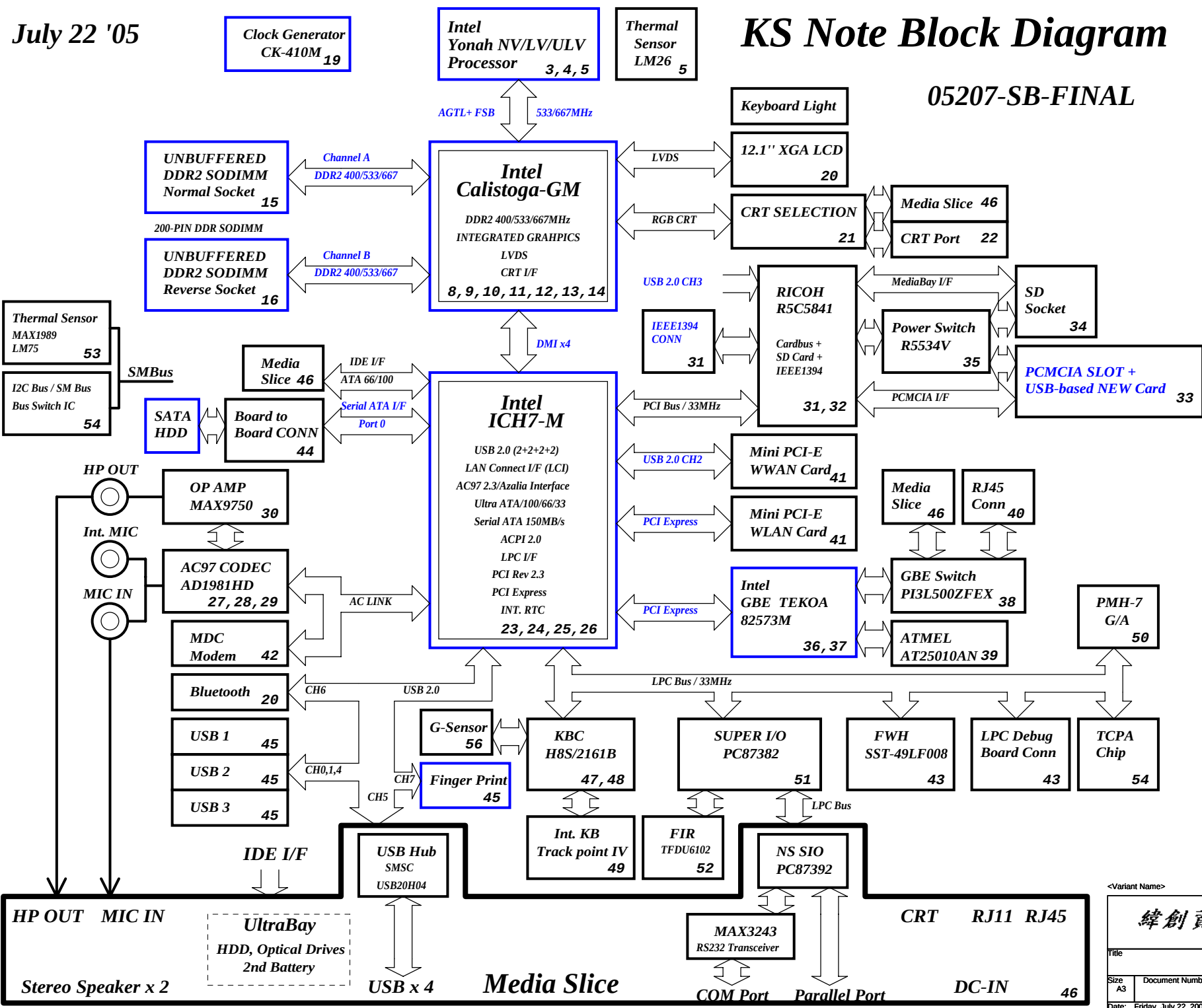
KS Note Block Diagram

05207-SB-FINAL

PCB Layer Stackup

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

System DC/DC MAX1977 64	
INPUTS	OUTPUTS
VINT19	VCC5M VCC3M
Battery Charger/Selector MAX8724 59	
DOCK_PWR19_F	M-BAT-PWR S-BAT-PWR
VCC1R8A MAX8632 67	
VINT19	VCC1R8M
CPU DC/DC ADP3207 65	
VINT19	VCCCPUCORE
VCC1R05B/VCC1R5M MAX1540 68	
VINT19	VCC1R5M VCC1R05B



<Variant Name>

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

Block Diagram			
Size A3	Document Number KS Note	Rev SB	
Date: Friday, July 22, 2005	Sheet 1 of 73		

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]

ICH7-M GPIO	n	39	38	37	36	Planar ID Version	Planar PCB Version
PLANAR_ID	n	3	2	1	0		
		0	0	0	0	SDV	SA
		0	0	0	1	SIV	SB
		0	0	1	0		
		0	0	1	1		
		0	1	0	0		
		0	1	0	1		
		0	1	1	0		
		0	1	1	1		
		1	0	0	0		

EC HISTORY

SDV		
VER.0.00	01/19/2005	INITIAL LOGIC
SDV EC	02/22/2005	EC001, EC002
SDV EC	02/24/2005	EC003
SDV EC	03/07/2005	EC004
SDV EC	03/15/2005	EC005, EC006
SDV EC	03/17/2005	EC007
SDV EC	03/18/2005	EC008
SDV EC	03/21/2005	EC009
SDV EC	03/25/2005	EC010
SDV EC	03/30/2005	EC011
SDV EC	04/06/2005	EC012
SDV EC	04/13/2005	EC013
SDV EC	04/14/2005	EC014
SDV EC	04/15/2005	EC015
SDV EC	04/19/2005	EC016
SDV EC	04/21/2005	EC017
SDV EC	04/25/2005	EC018
SDV EC	04/25/2005	EC019
SDV EC	04/27/2005	EC020
SDV EC	04/28/2005	EC021, EC022
SDV EC	05/02/2005	EC023
SDV EC	05/13/2005	EC024
SDV EC	05/16/2005	EC025

SIV		
SDV EC	06/03/2005	EC026
SDV EC	06/07/2005	EC027
SIV EC	06/23/2005	EC001, EC002
SIV EC	06/28/2005	EC003
SIV EC	07/01/2005	EC004
SIV EC	07/07/2005	EC005
SIV EC	07/12/2005	EC006
SIV EC	07/15/2005	EC007
SIV EC	07/18/2005	EC008
SIV EC	07/19/2005	EC009
SIV EC	07/21/2005	EC010

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>



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

Title

Reference

KS Note

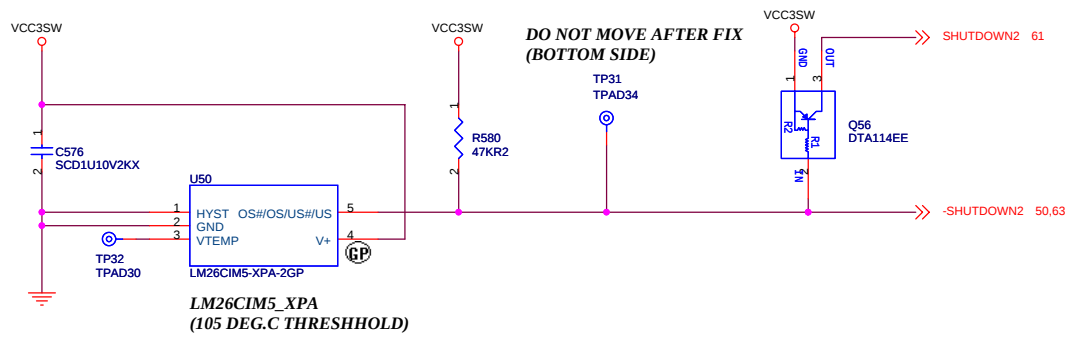
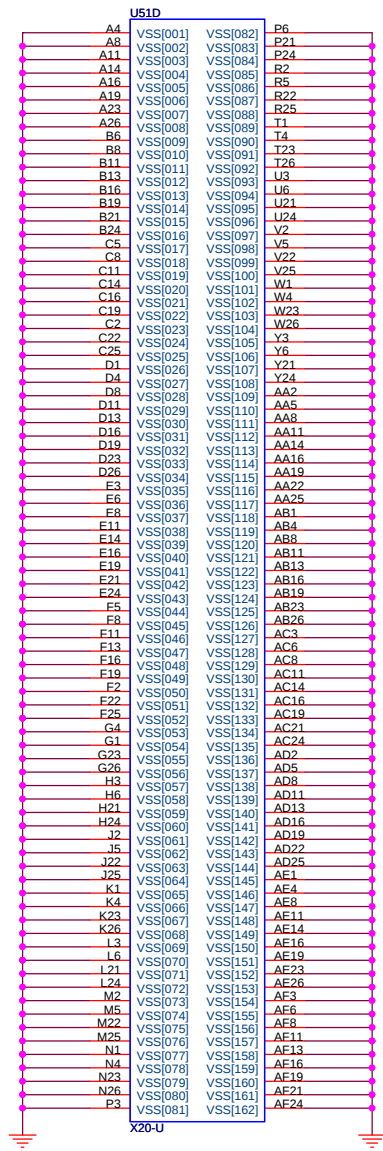
Size
A3

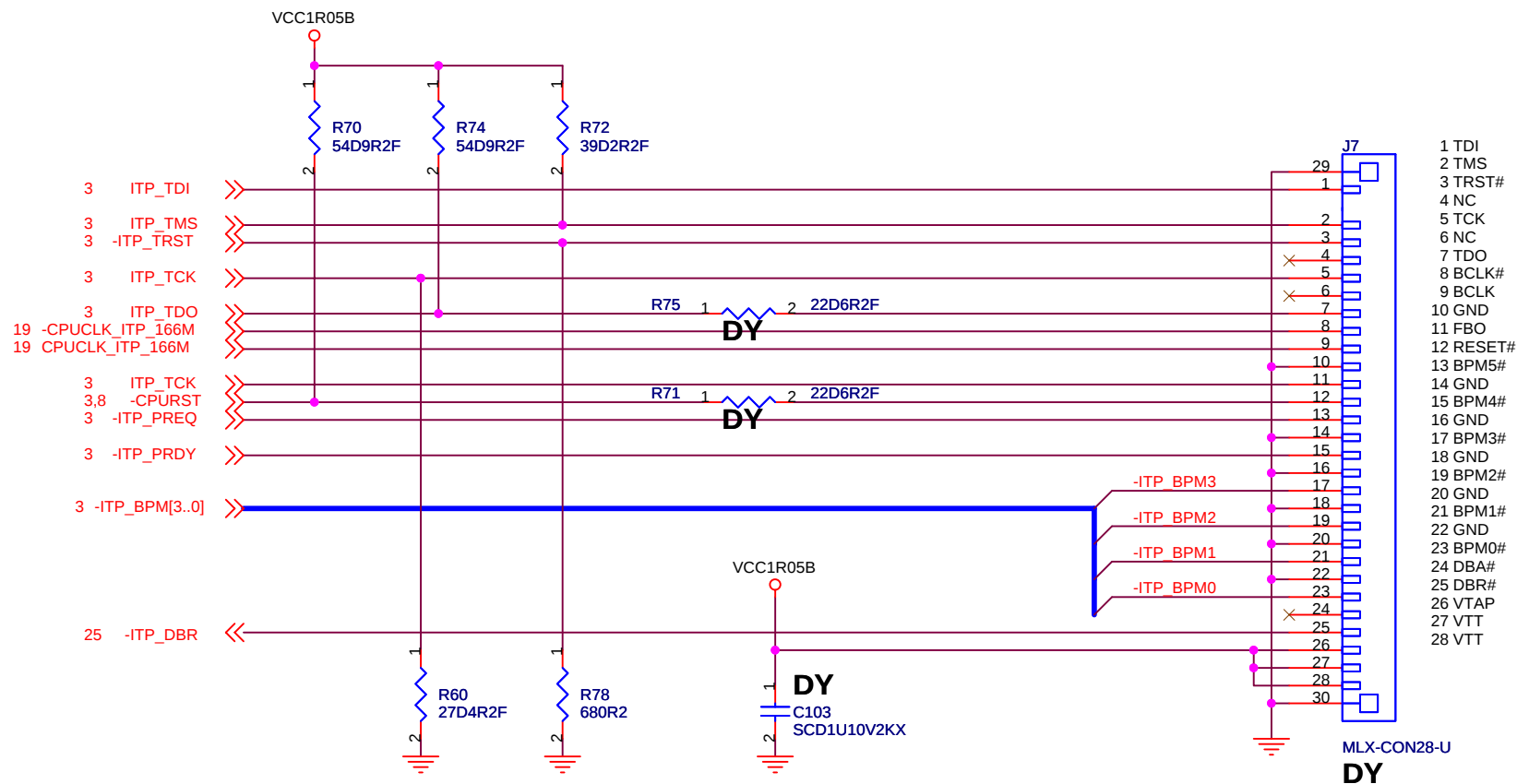
Document Number

Rev
SB

Date: Friday, July 22, 2005

Sheet 2 of 73





(*1) TCK SIGNAL IS BRANCHED AT DOTHAN PIN

(*2) CPURST# SIGNAL IS BRANCHED AT ALVISO 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

ITP CONN

Size
A4

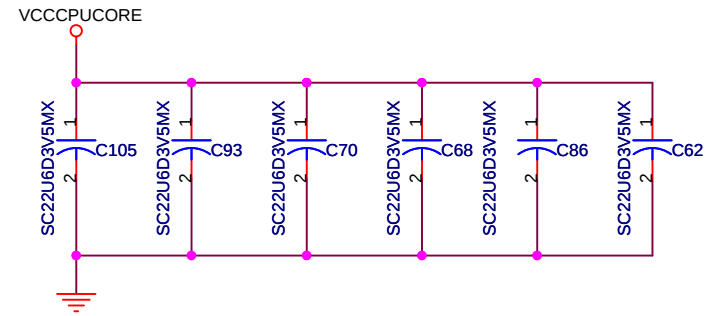
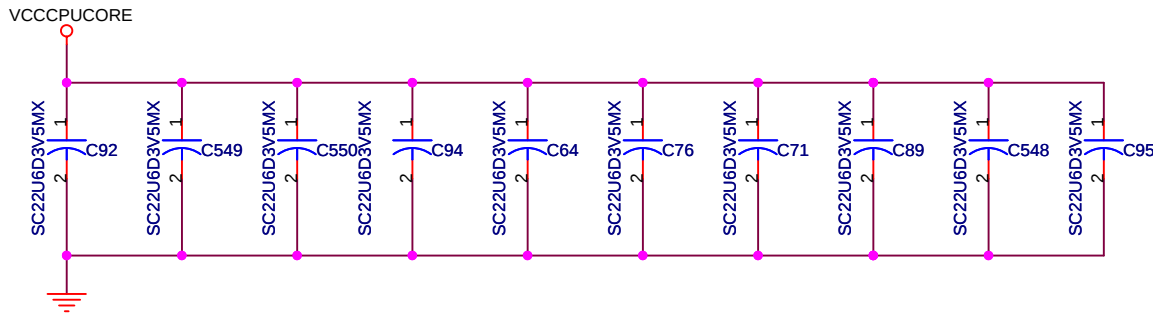
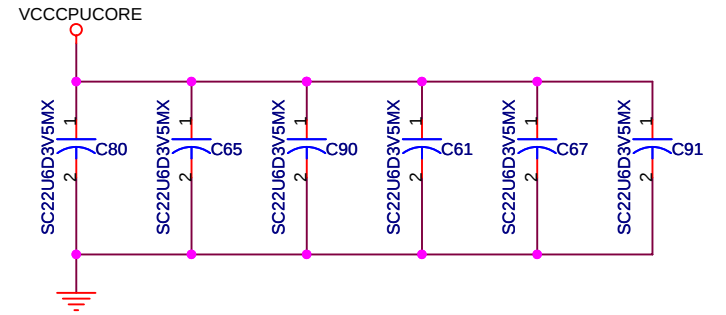
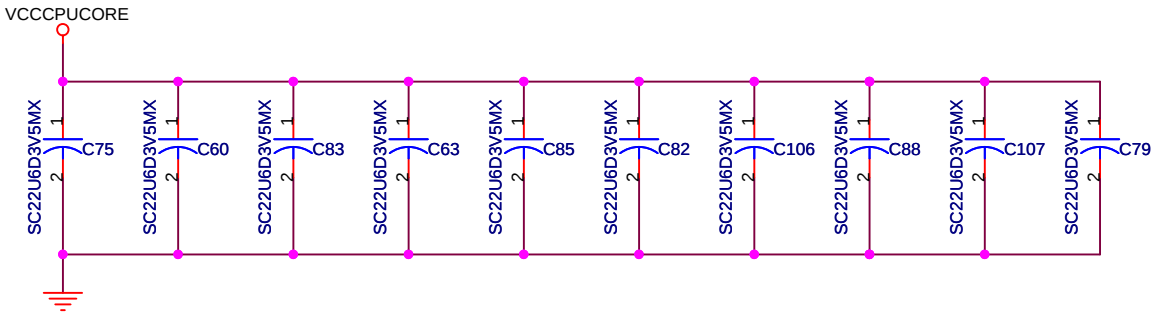
Document Number

KS Note

Rev
SB

Date: Friday, July 22, 2005

Sheet 6 of 73



<Variant Name>

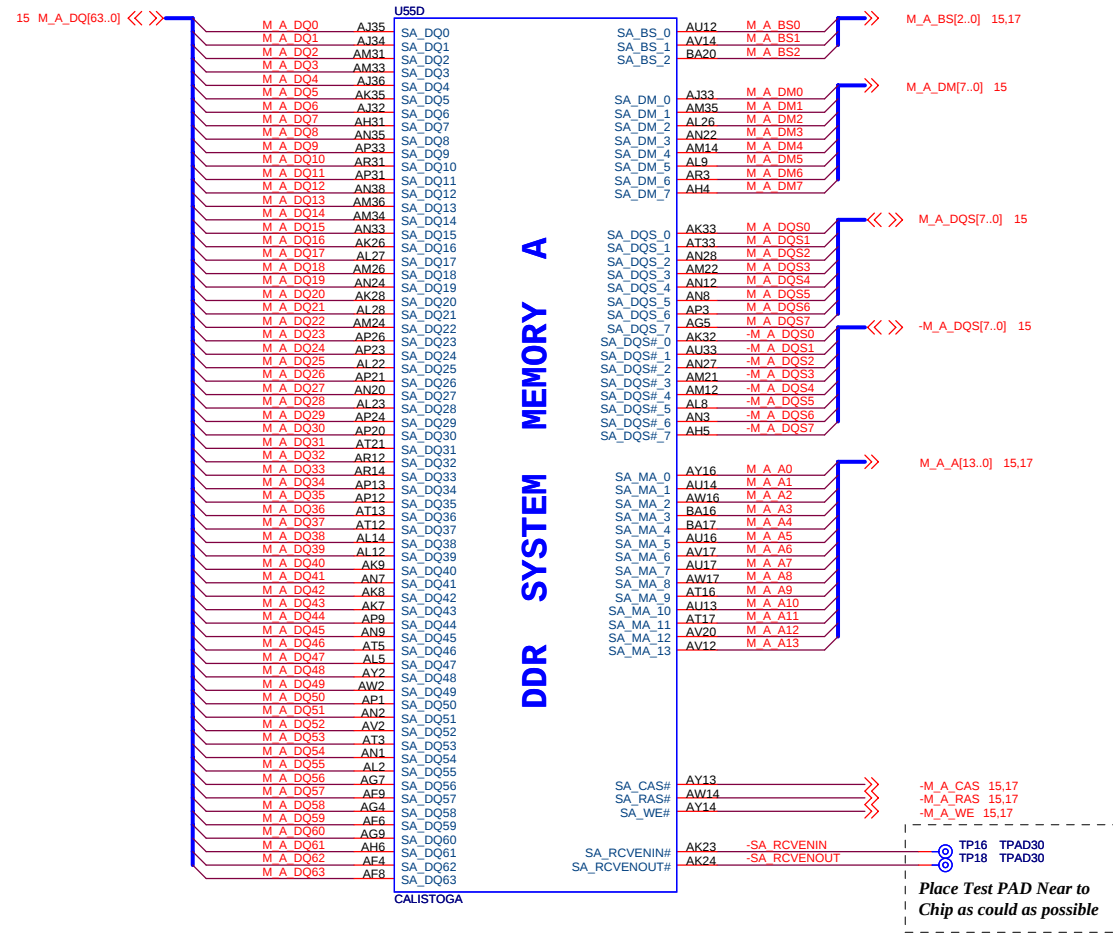
緯創資通

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

Title **VCCCPUCORE DECOUPLING**

Size A4	Document Number KS Note	Rev SB
------------	-----------------------------------	------------------

Date: Friday, July 22, 2005 Sheet 7 of 73



<Variant Name>

緯創資通

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

Title

CALISTOGA(217):DDR2-A

Size

A3 Document Number

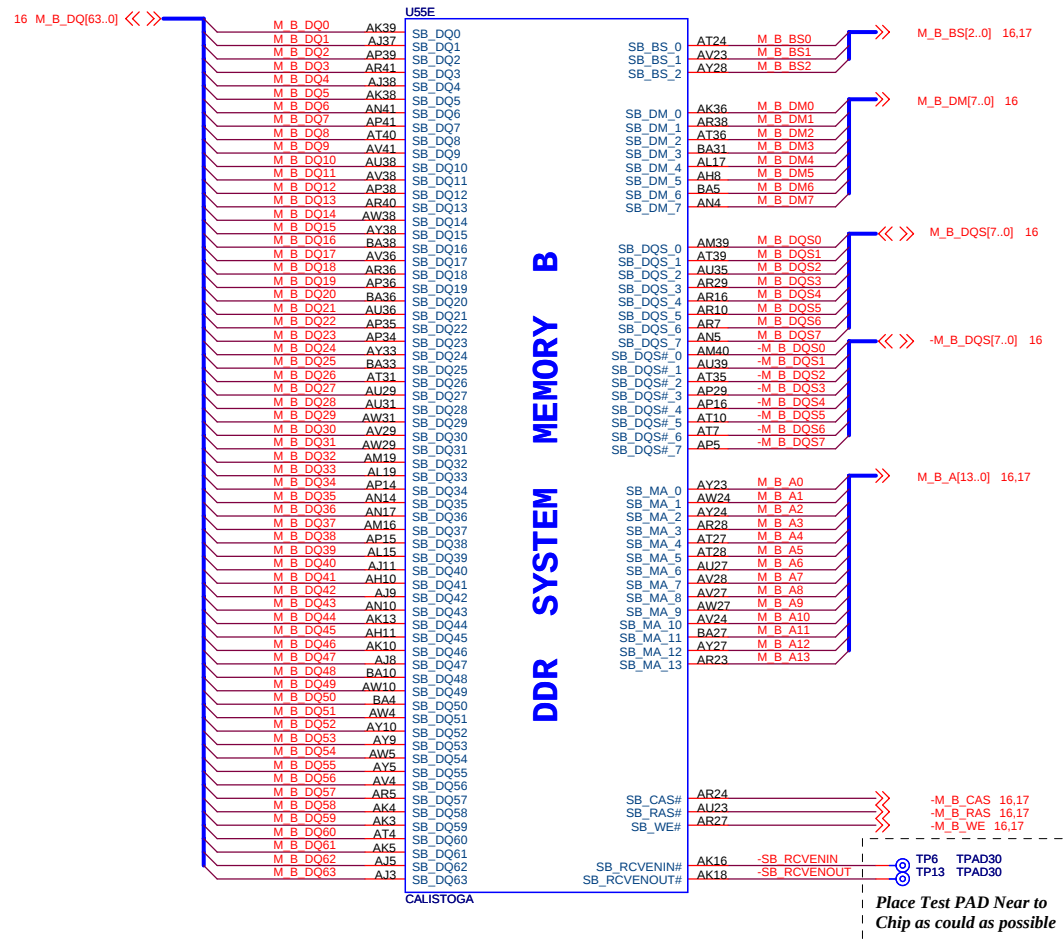
KS Note

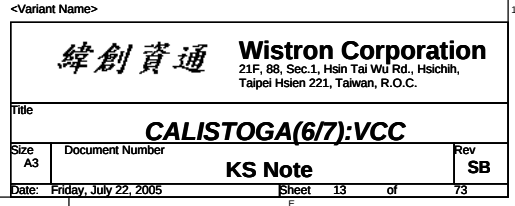
Rev

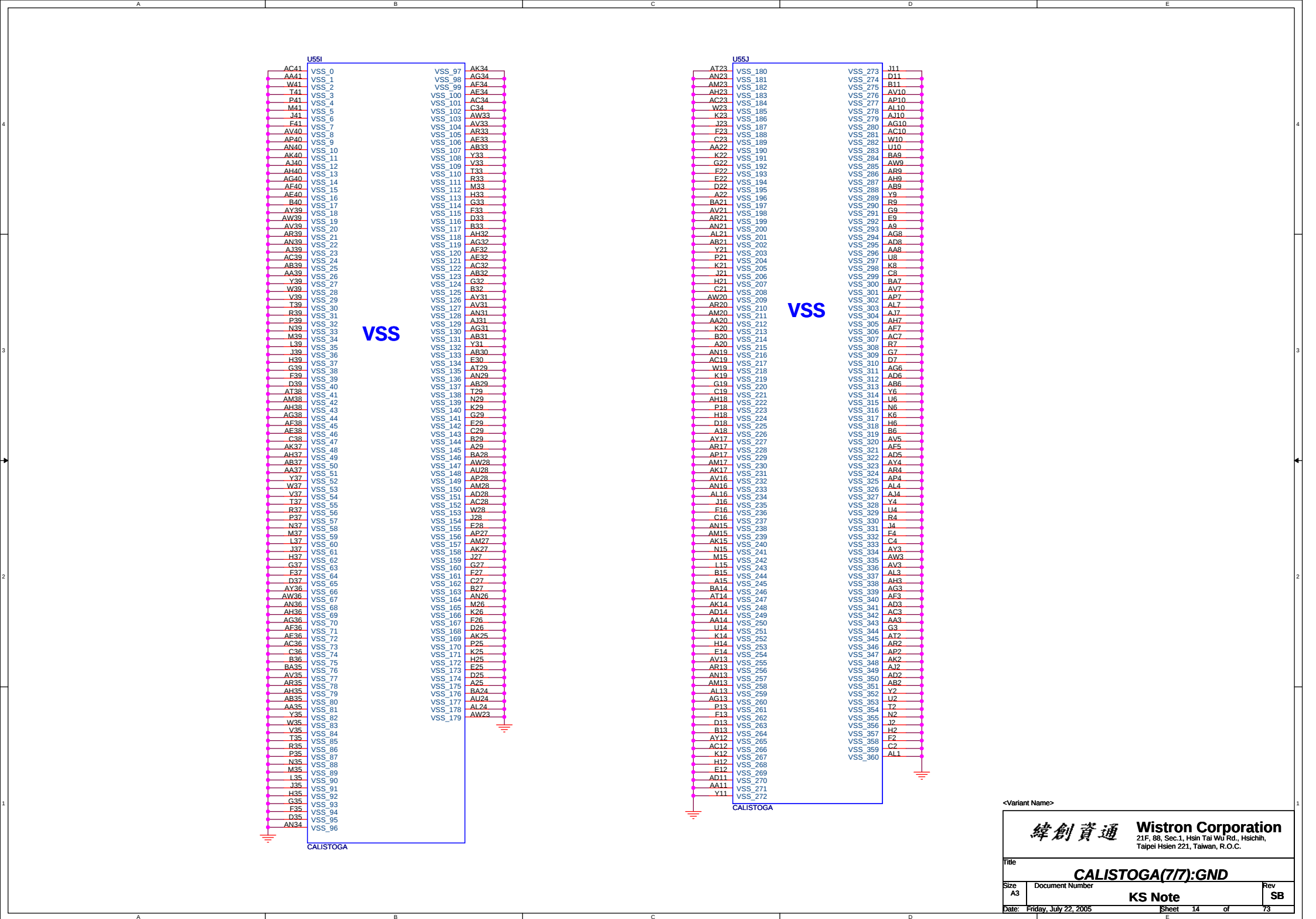
SB

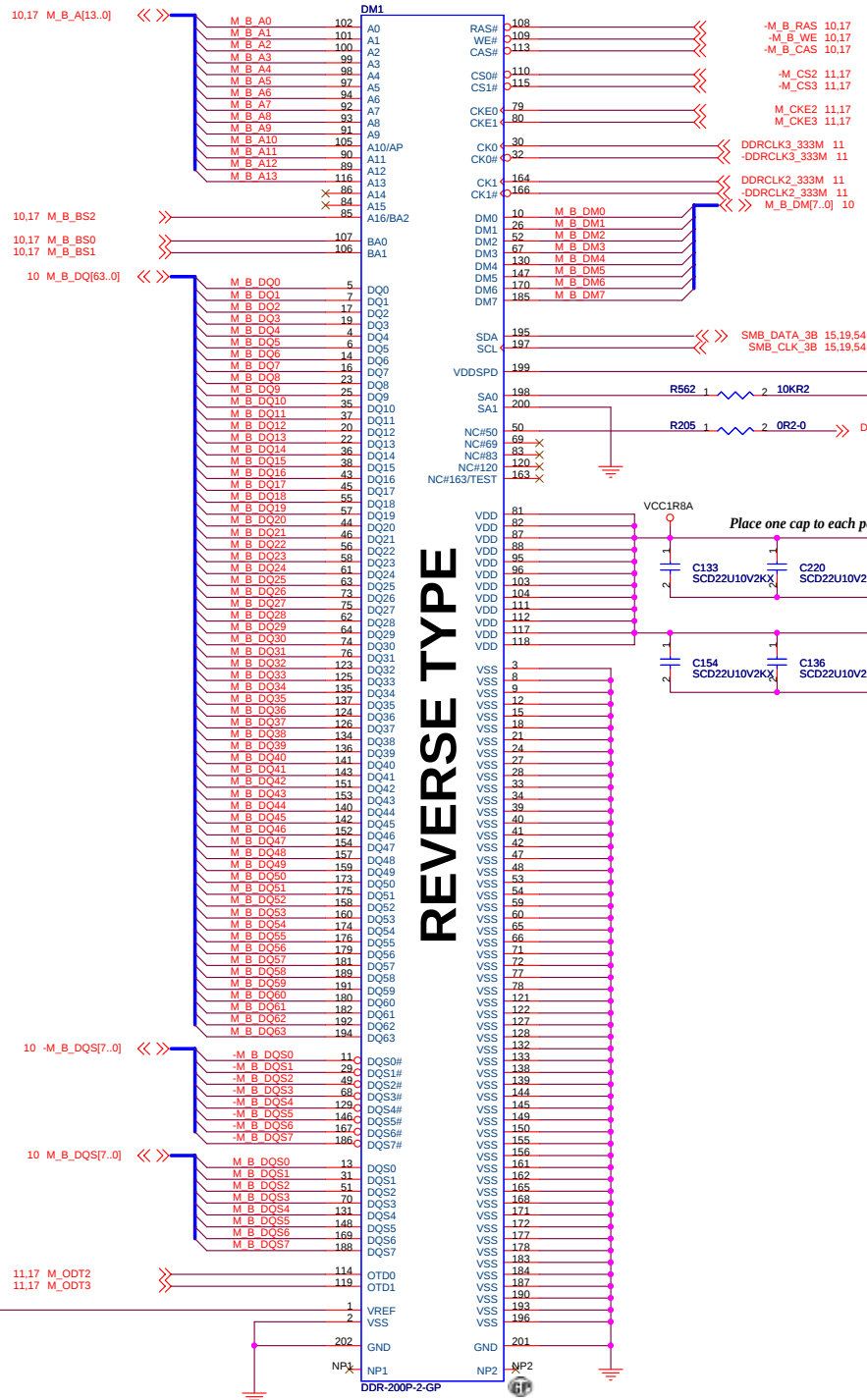
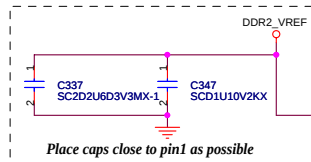
Date: Friday, July 22, 2005

Sheet 9 of 73





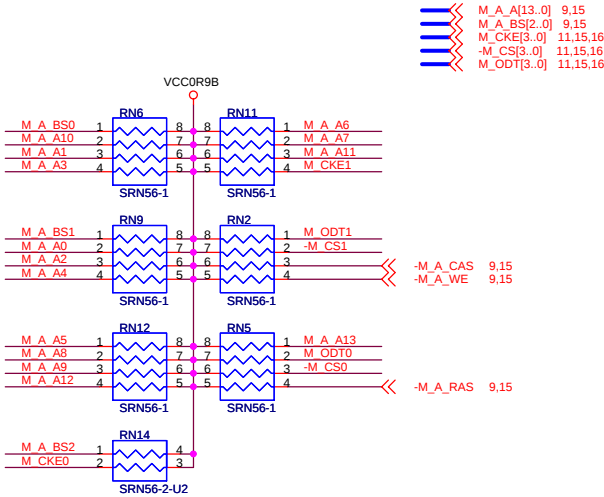




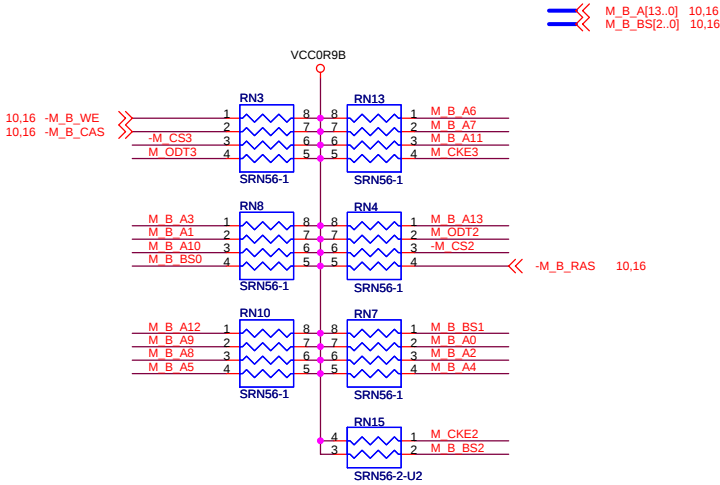
<Variant Name>

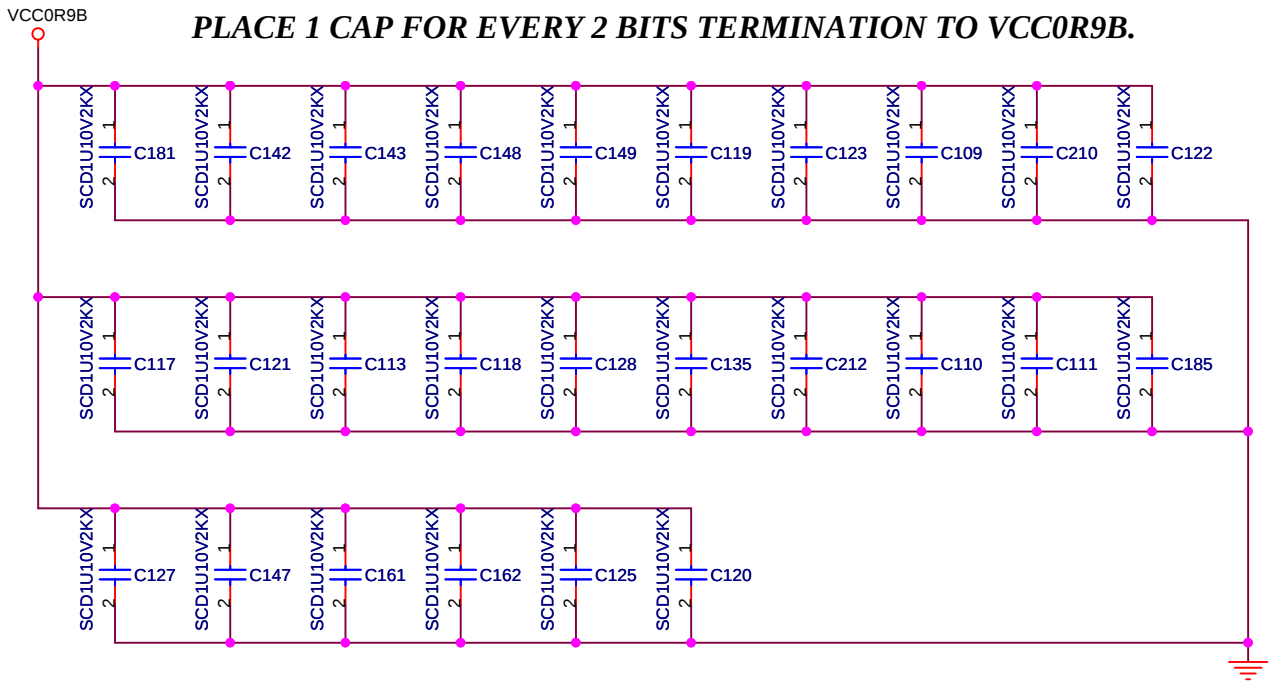
Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wai Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title DDR2 SODIMM-B (REVERSE TYPE)	
Size Custom	Document Number KS Note
Date: Friday, July 22, 2005	Rev SB
Sheet 16	of 73

CHANNEL A PARALLEL TERMINATION



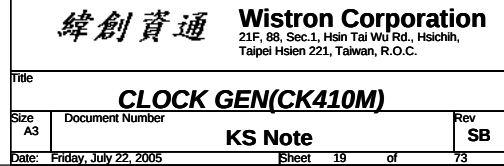
CHANNEL B PARALLEL TERMINATION



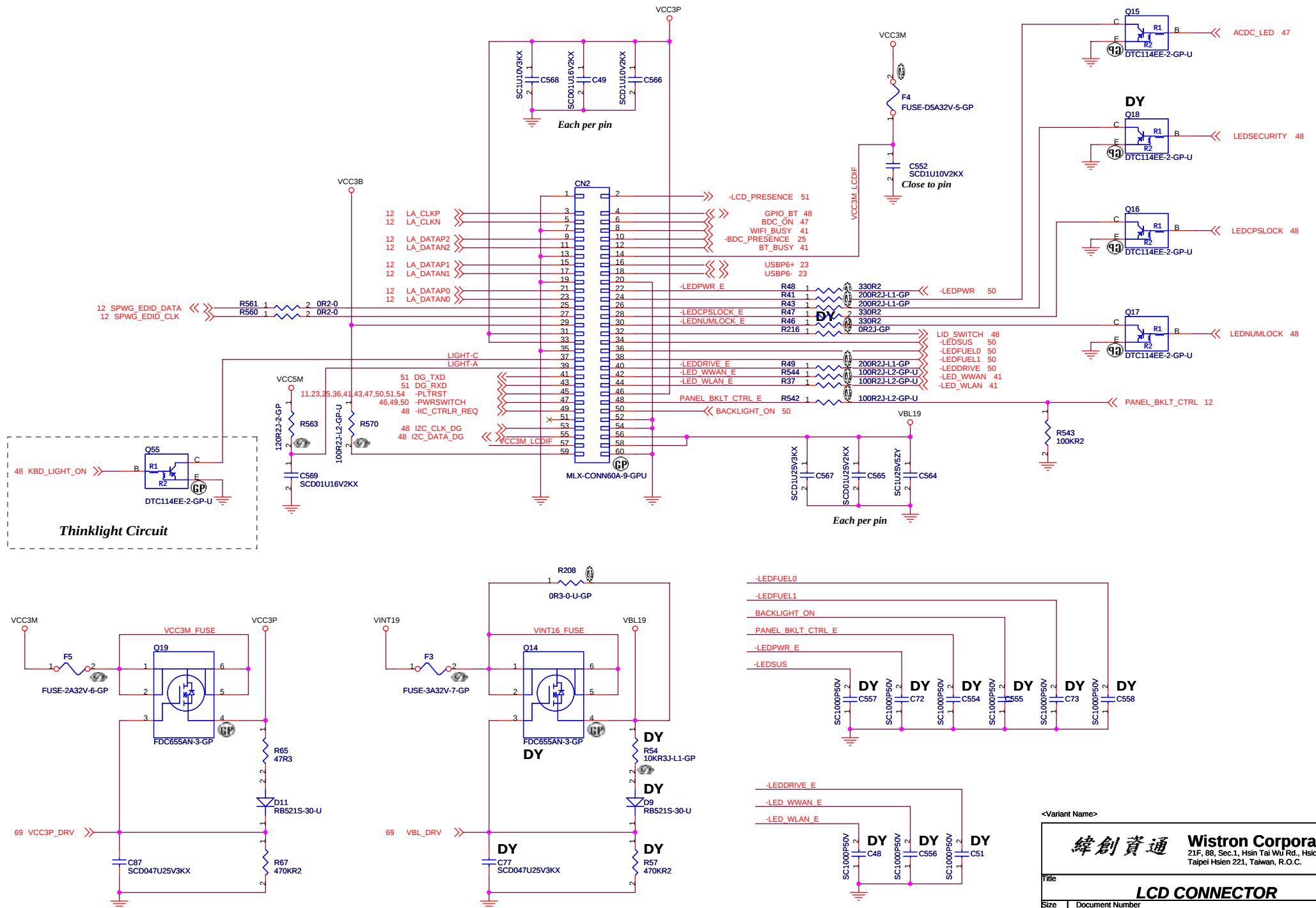


<Variant Name>

緯創資通 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title	
DDR-2 DECOUPLING	
Size	Document Number
A4	KS Note
Date	Rev
Friday, July 22, 2005	SB
Sheet	of
18	73



LCD / Inverter Connector

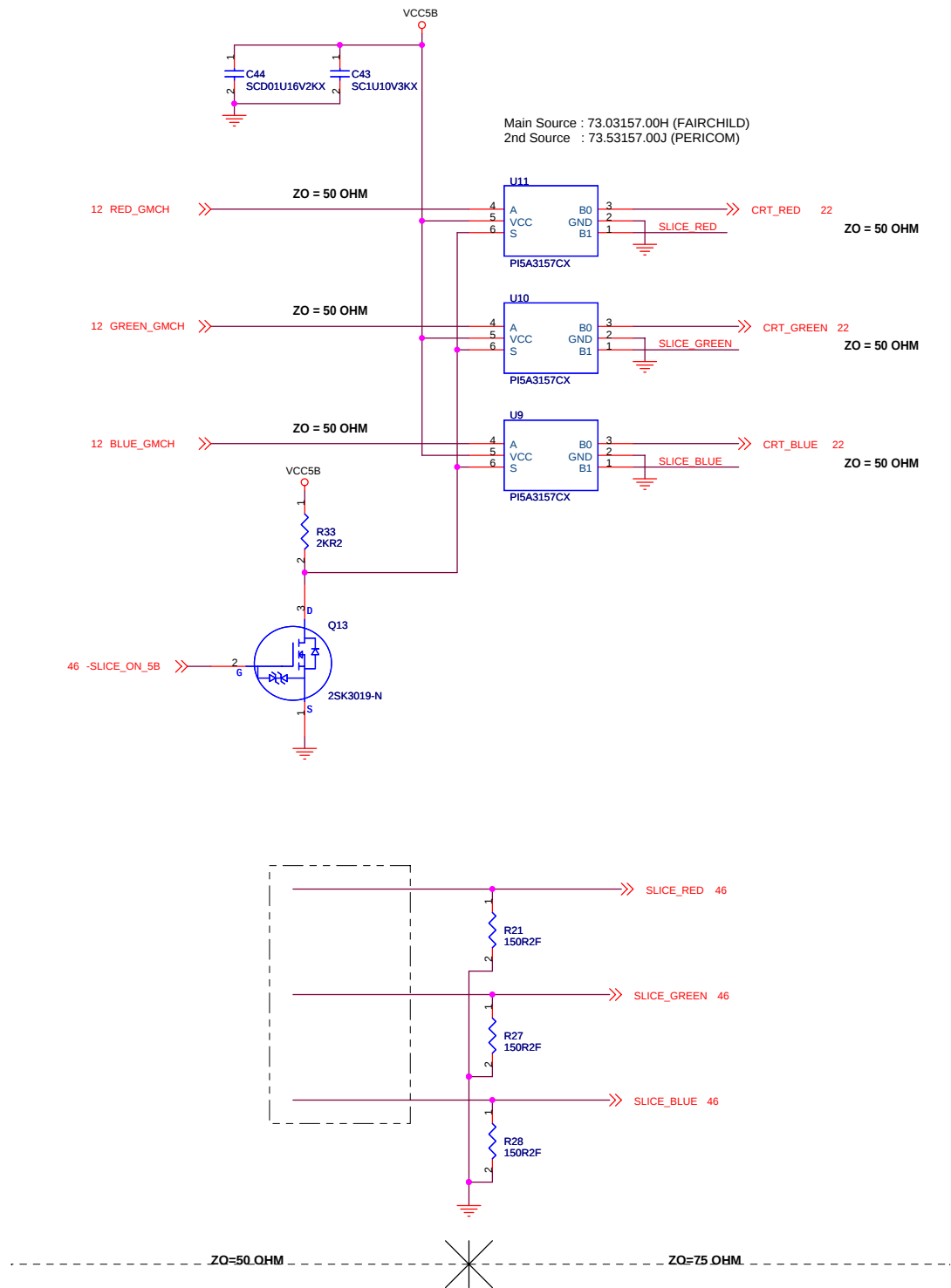


<Variant Name>

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

LCD CONNECTOR

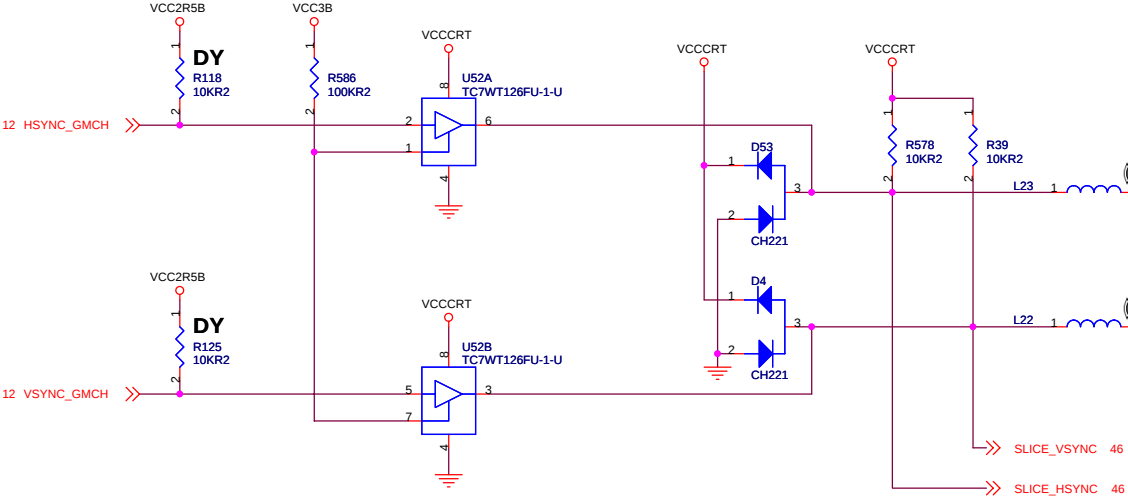
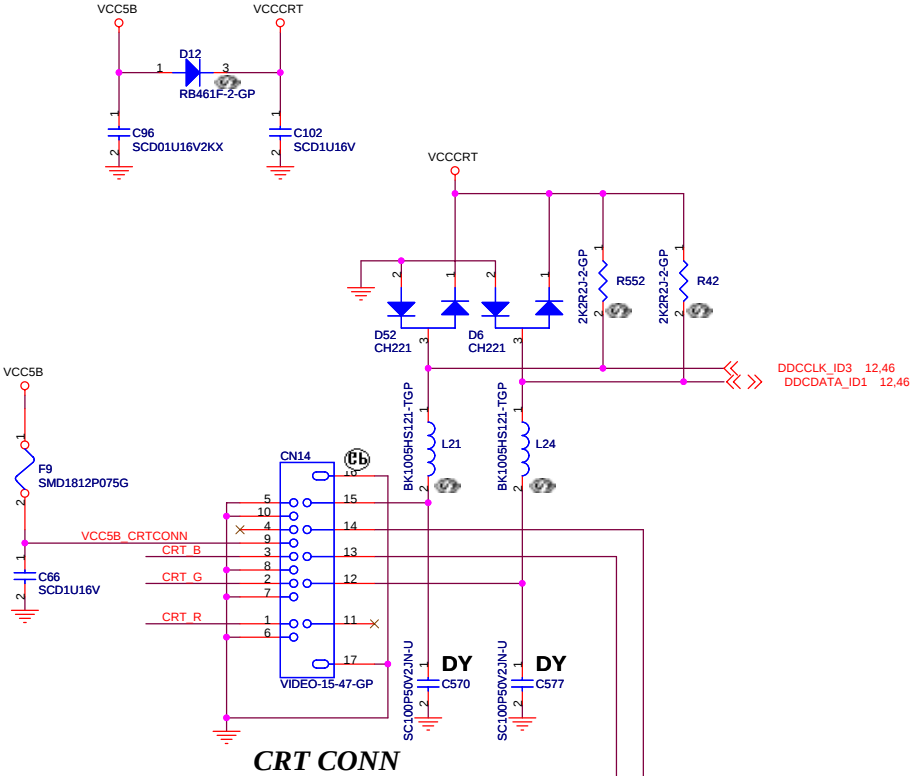
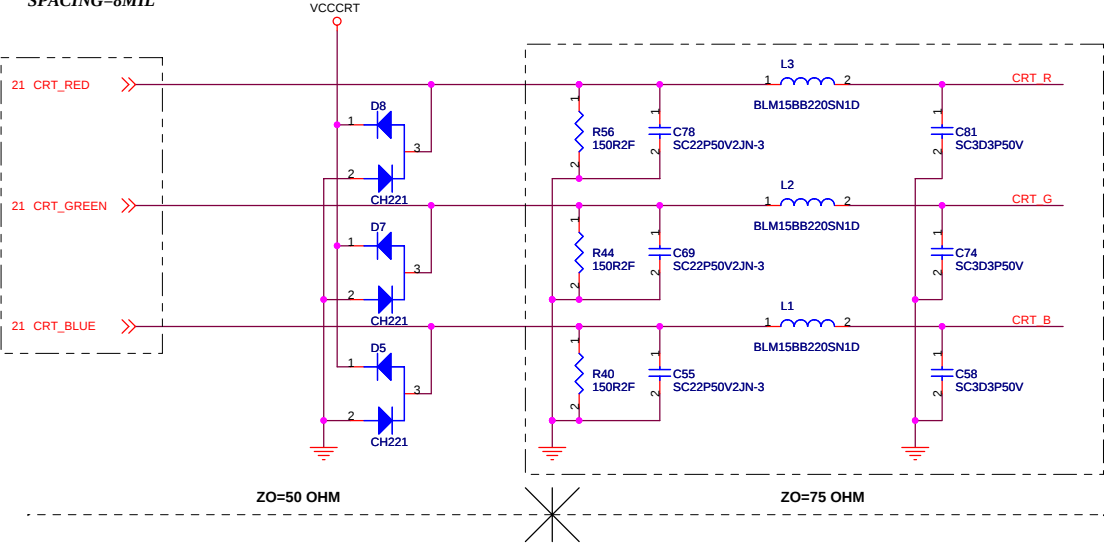
Size	Document Number	Rev
A3	KS Note	SB
Date:	Friday, July 22, 2005	Sheet 20 of 73



<Variant Name>

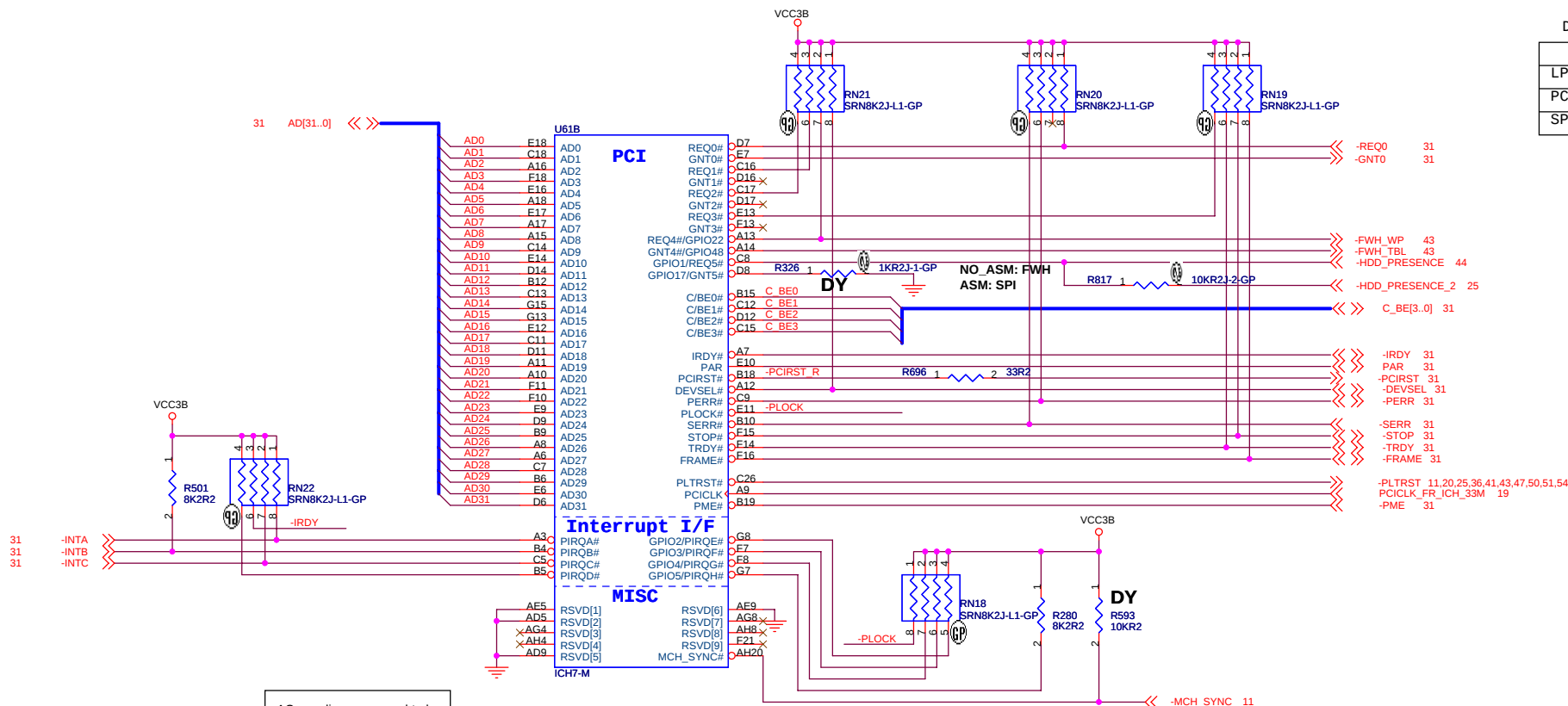
緯創資通		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
CRT SELECTOR			
Size A3	Document Number	KS Note	Rev SB
Date: Friday, July 22, 2005		Sheet 21 of	73

GND GUARDING
EACH SIGNAL WIDTH DEPENDS ON ZO(TRACE IMPEDANCE)
SPACING=8MIL

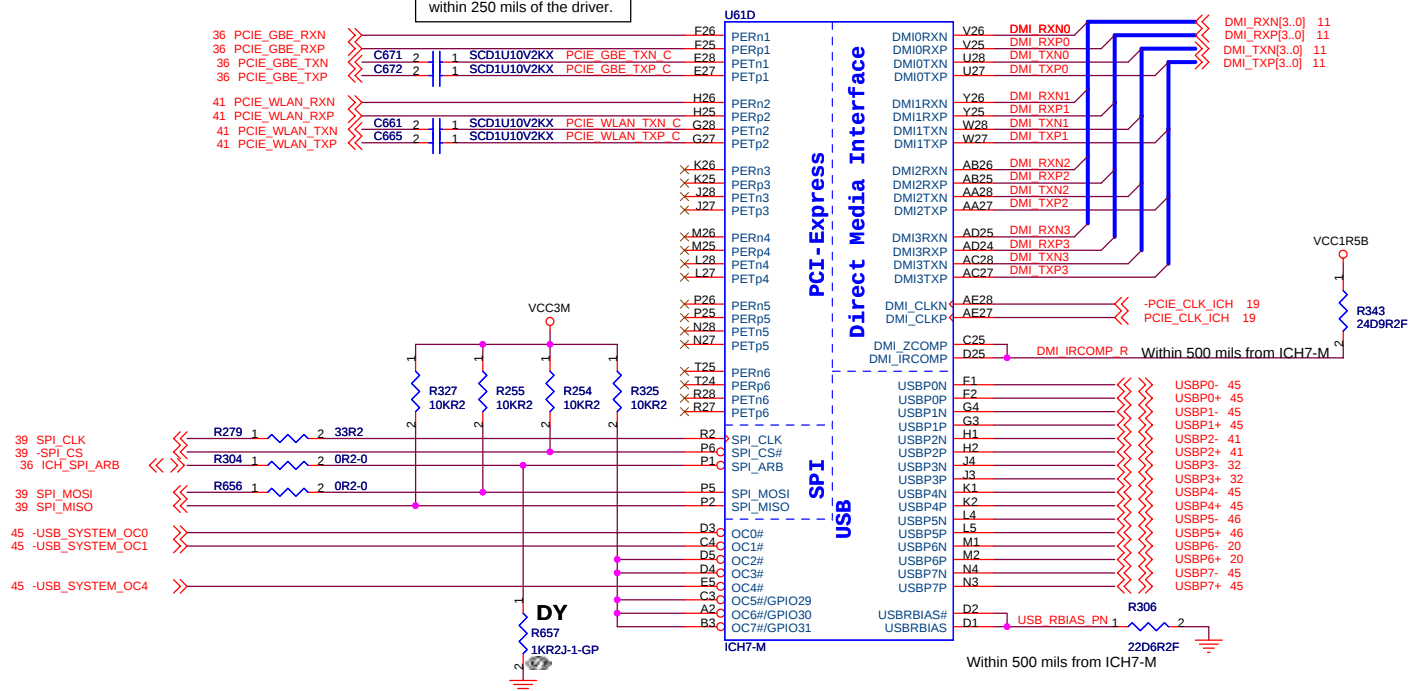


Default: H

	GNT5#	GNT4#
LPC	H	H
PCI	H	L
SPI	L	H



AC coupling caps need to be within 250 mils of the driver.

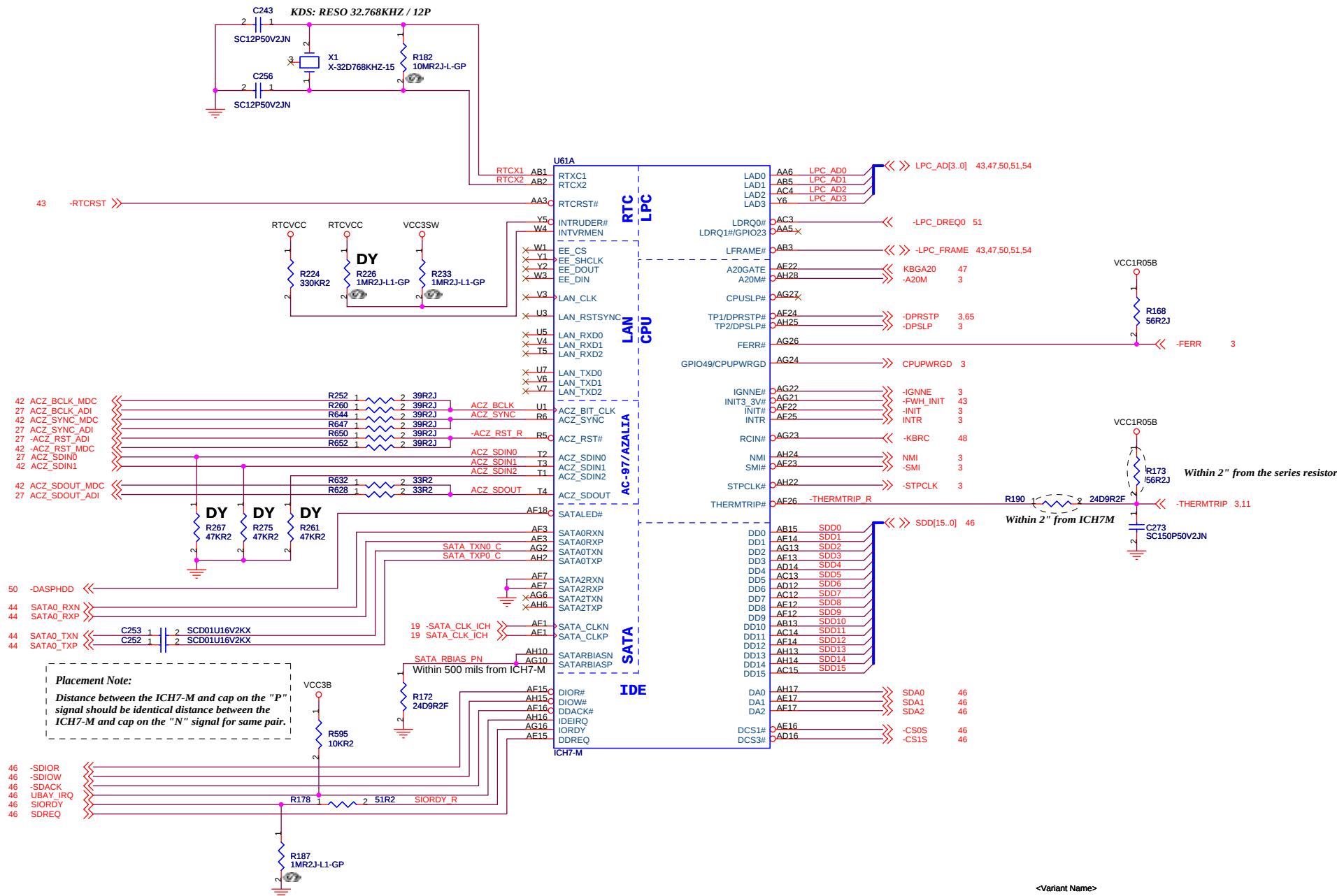


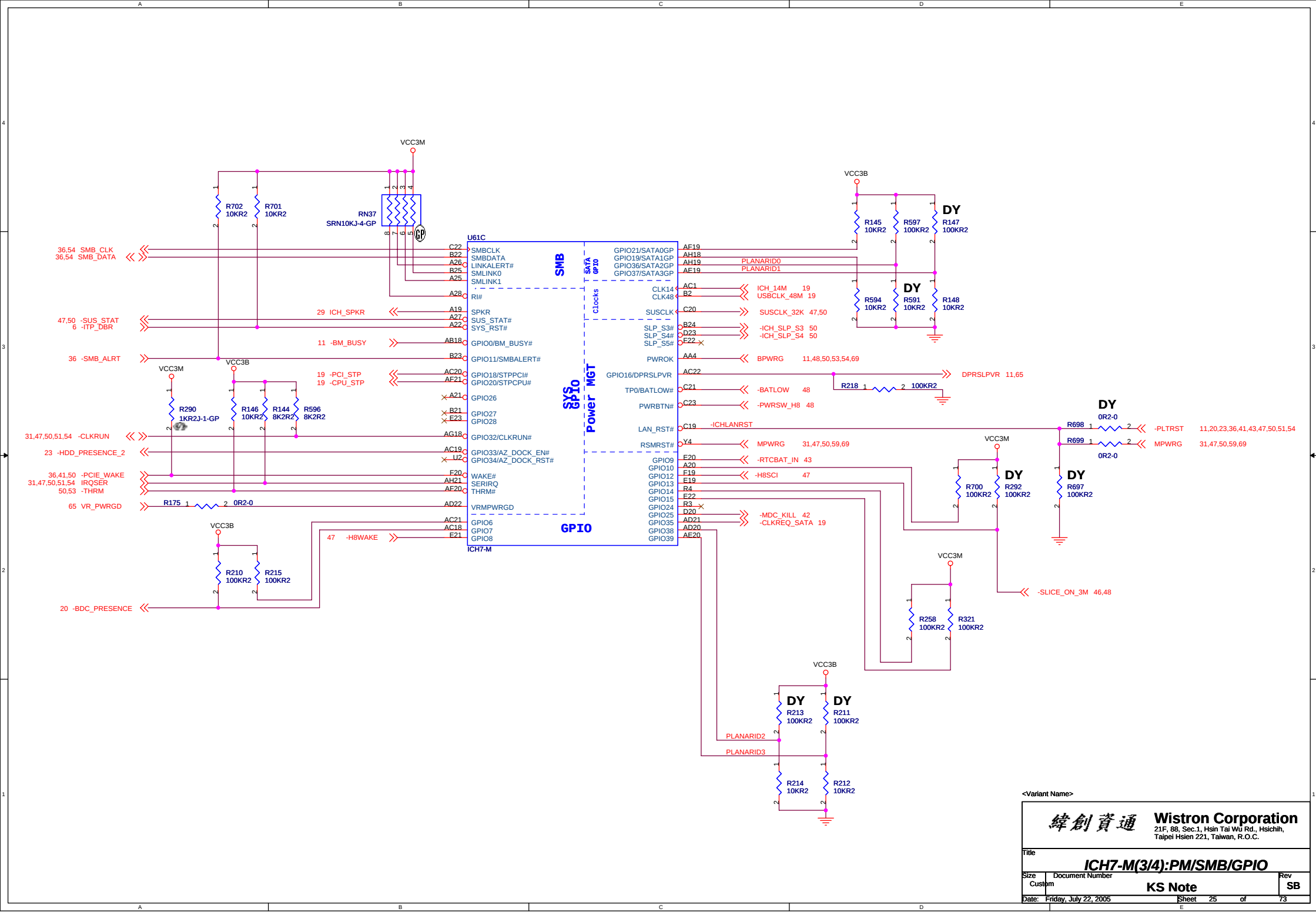
<Variant Name>

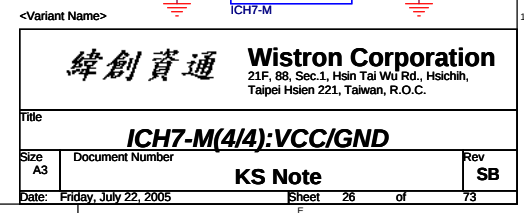
緯創資通

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

Title	ICH7-M(1/4):PCI/PCIE/DMI/USB/SPI	
Size	Document Number	Rev
A3		SB
Date:	Friday, July 22, 2005	Sheet 23 of 73



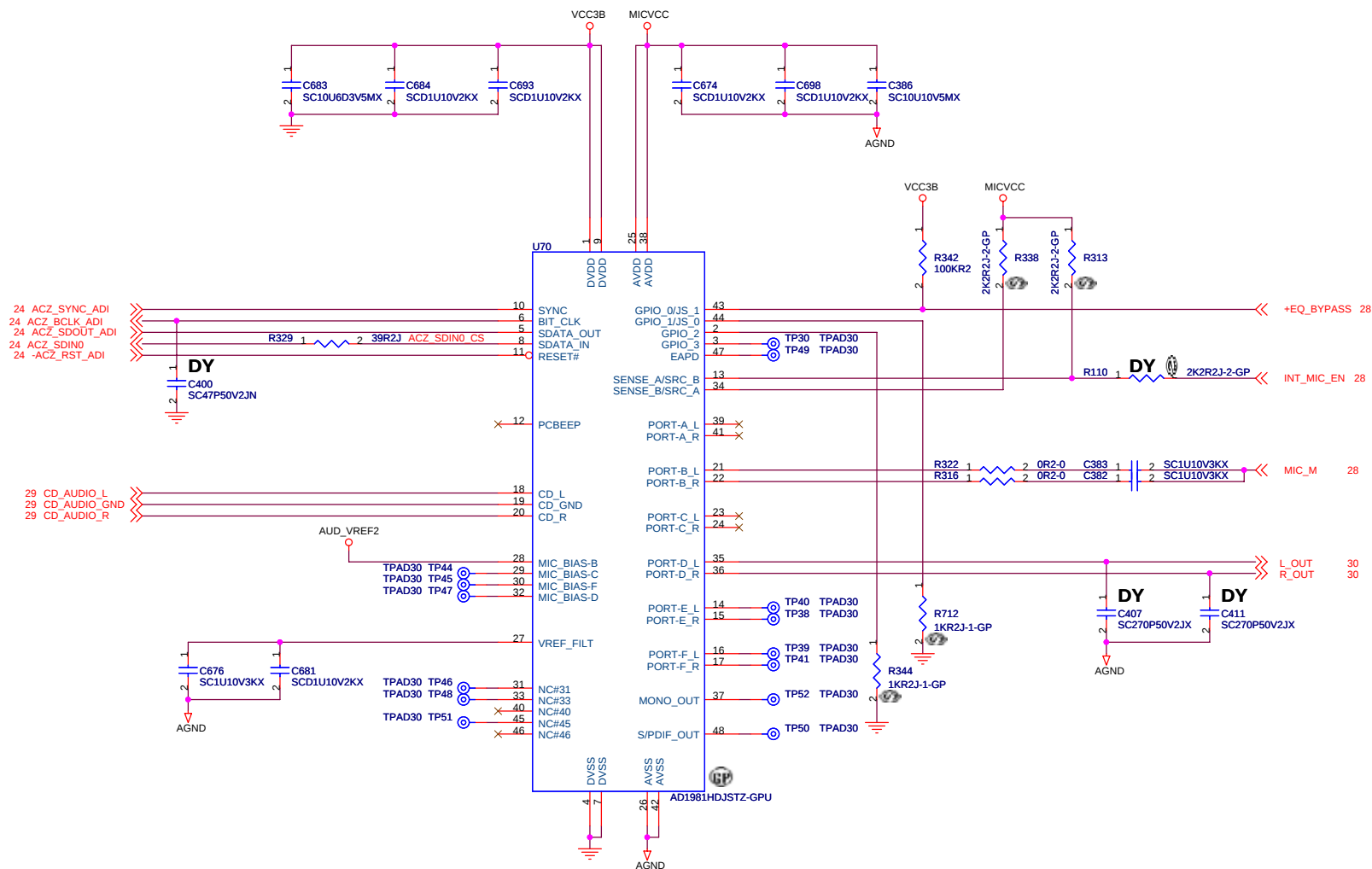




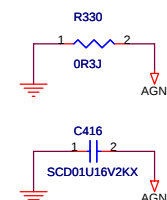
EACH NC PIN MUST HAVE TEST POINT PAD.

NC PIN LIST: PIN 3, 14, 15, 29, 31, 32, 33, 35,
PIN 36, 37, 43, 45, 47, 48

PIN 35 AND 36 ARE NOT NC PIN



PLACE UNDER AD1981HD

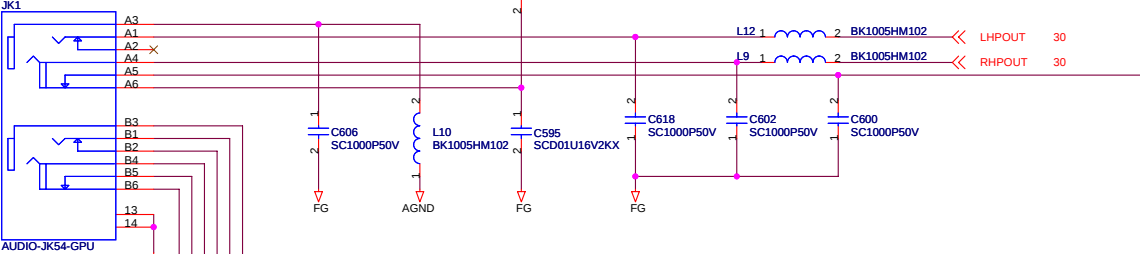


<Variant Name>

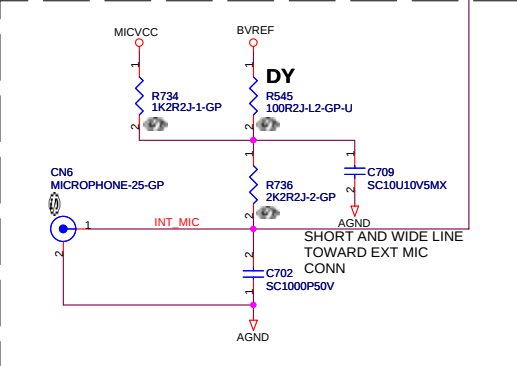
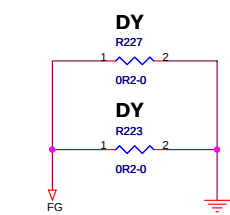
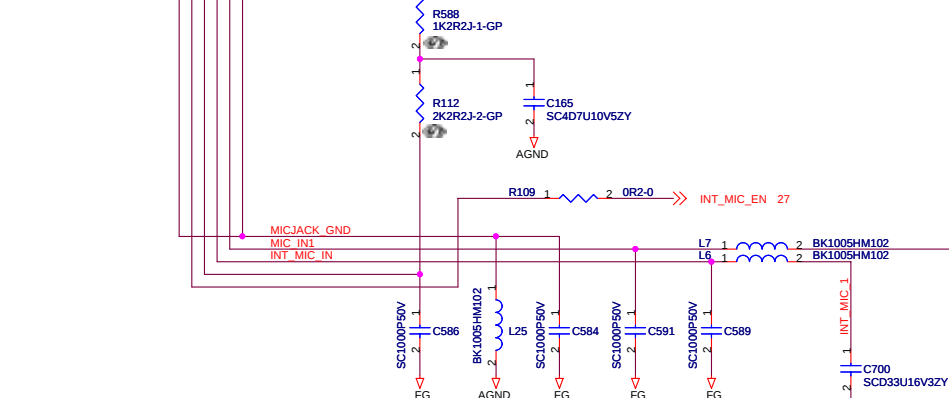
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title			AUDIO AD1981HDJSTZ	
Size	Document Number	KS Note		Rev
A3				SB
Date:	Friday, July 22, 2005	Sheet	27	of 73

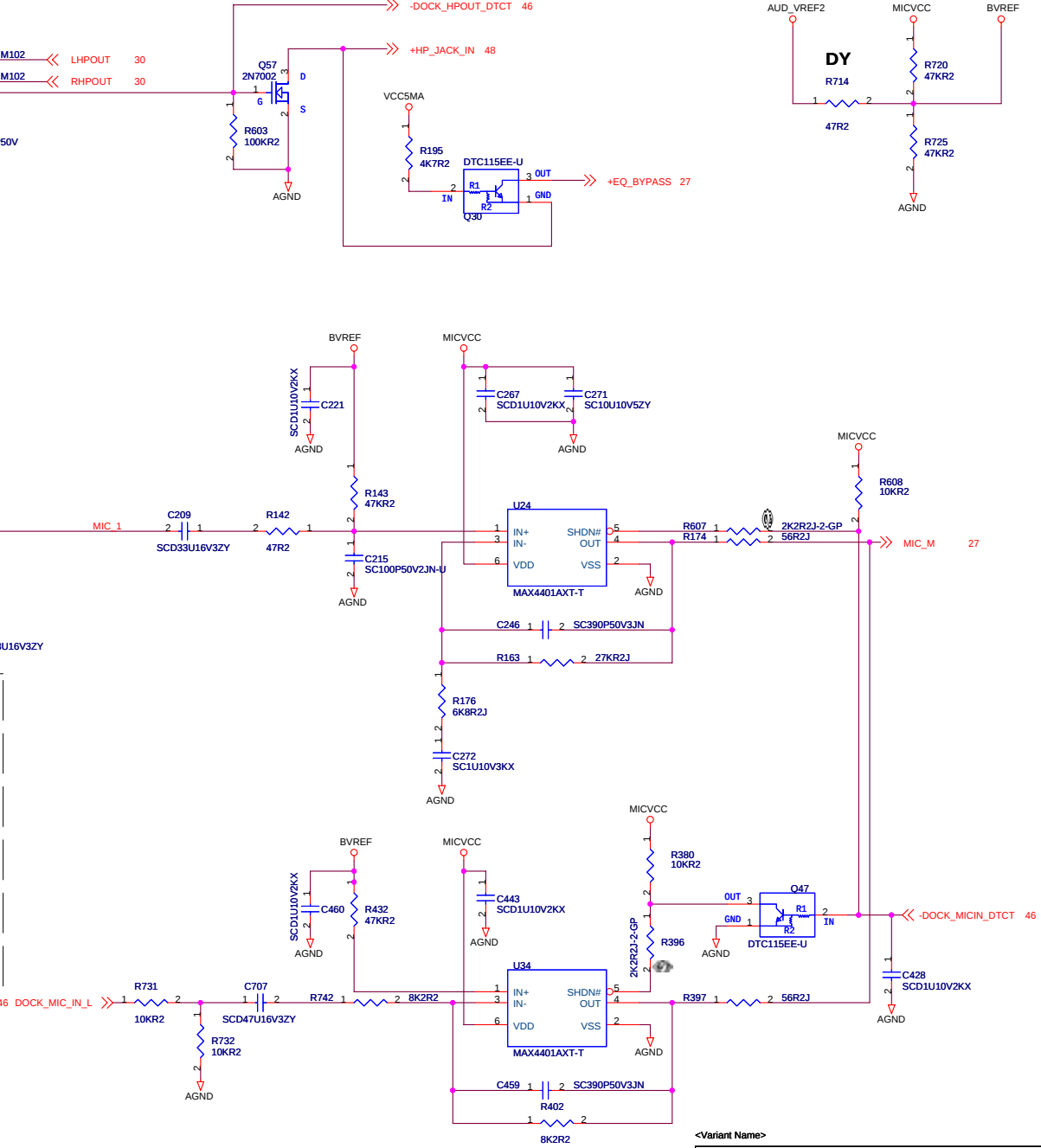
HEADPHONE

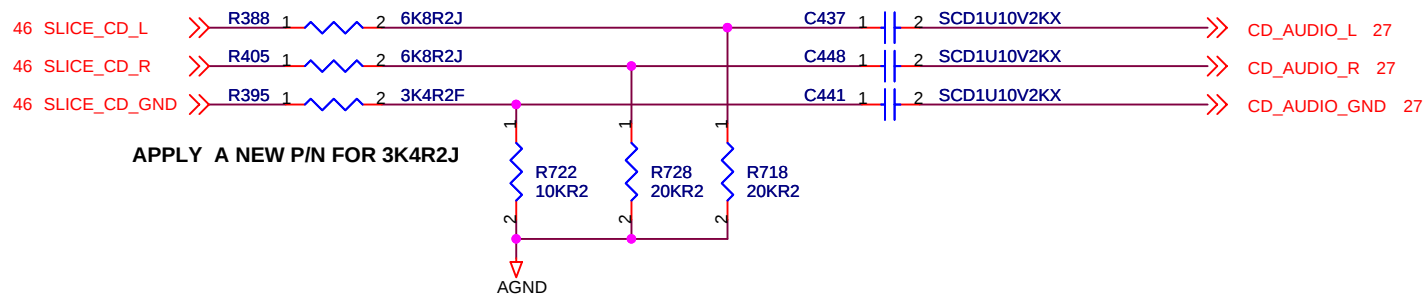
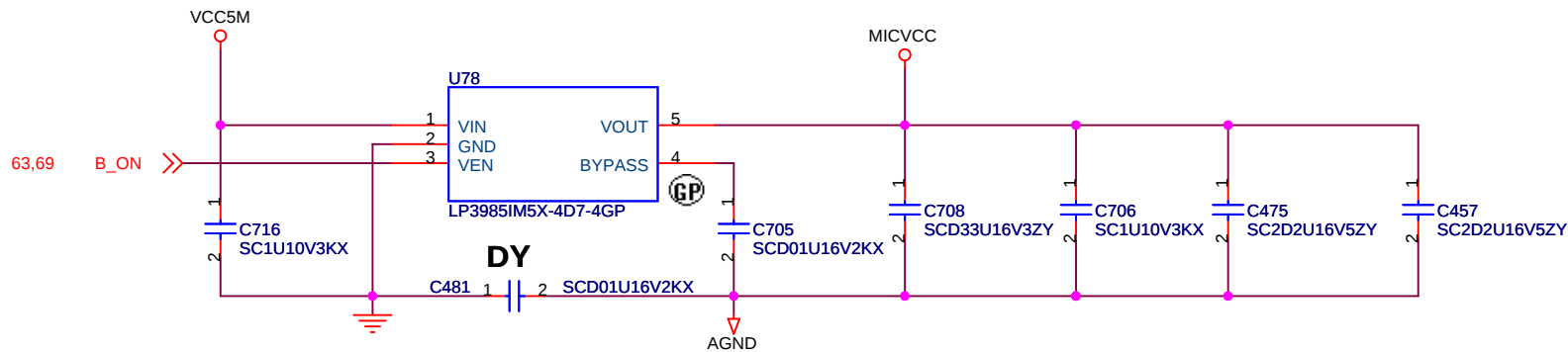


EXT MIC

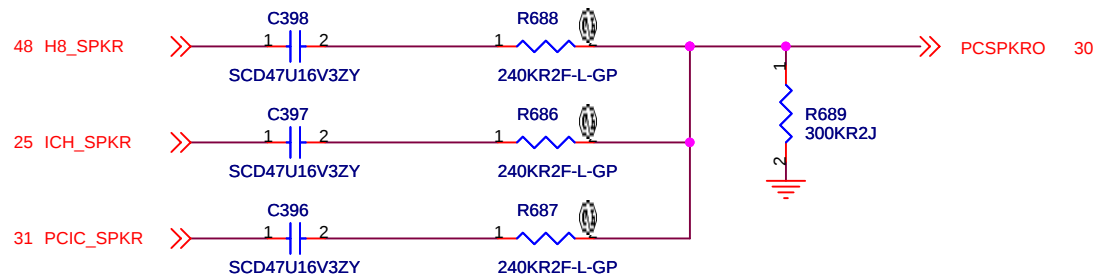


ALL PARTS MUST BE PLACED NEAR TO INTERNAL MICROPHONE





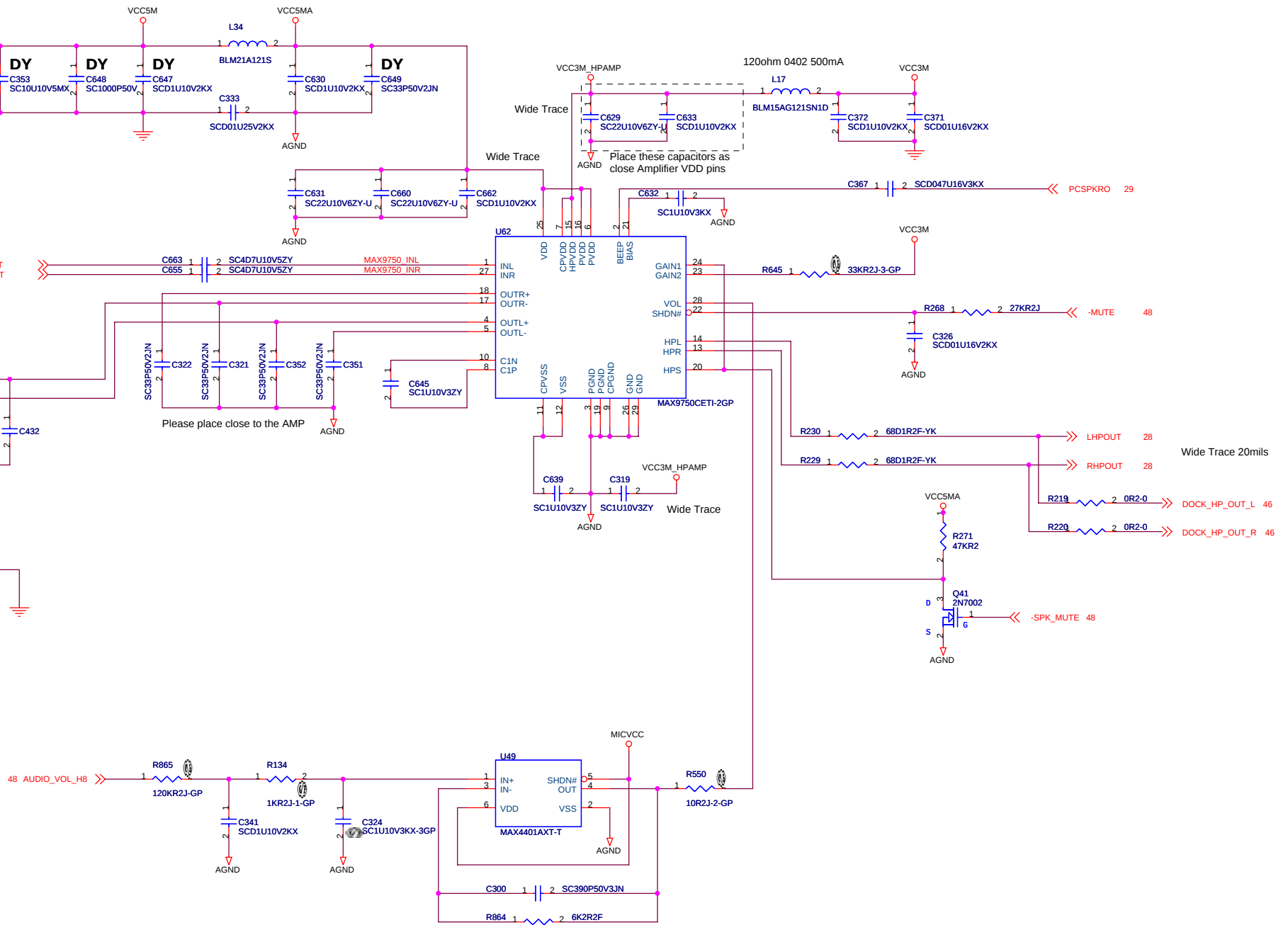
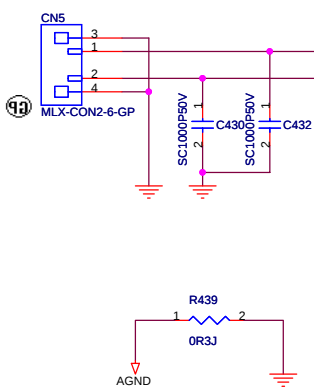
APPLY A NEW P/N FOR 240KR2J-GP



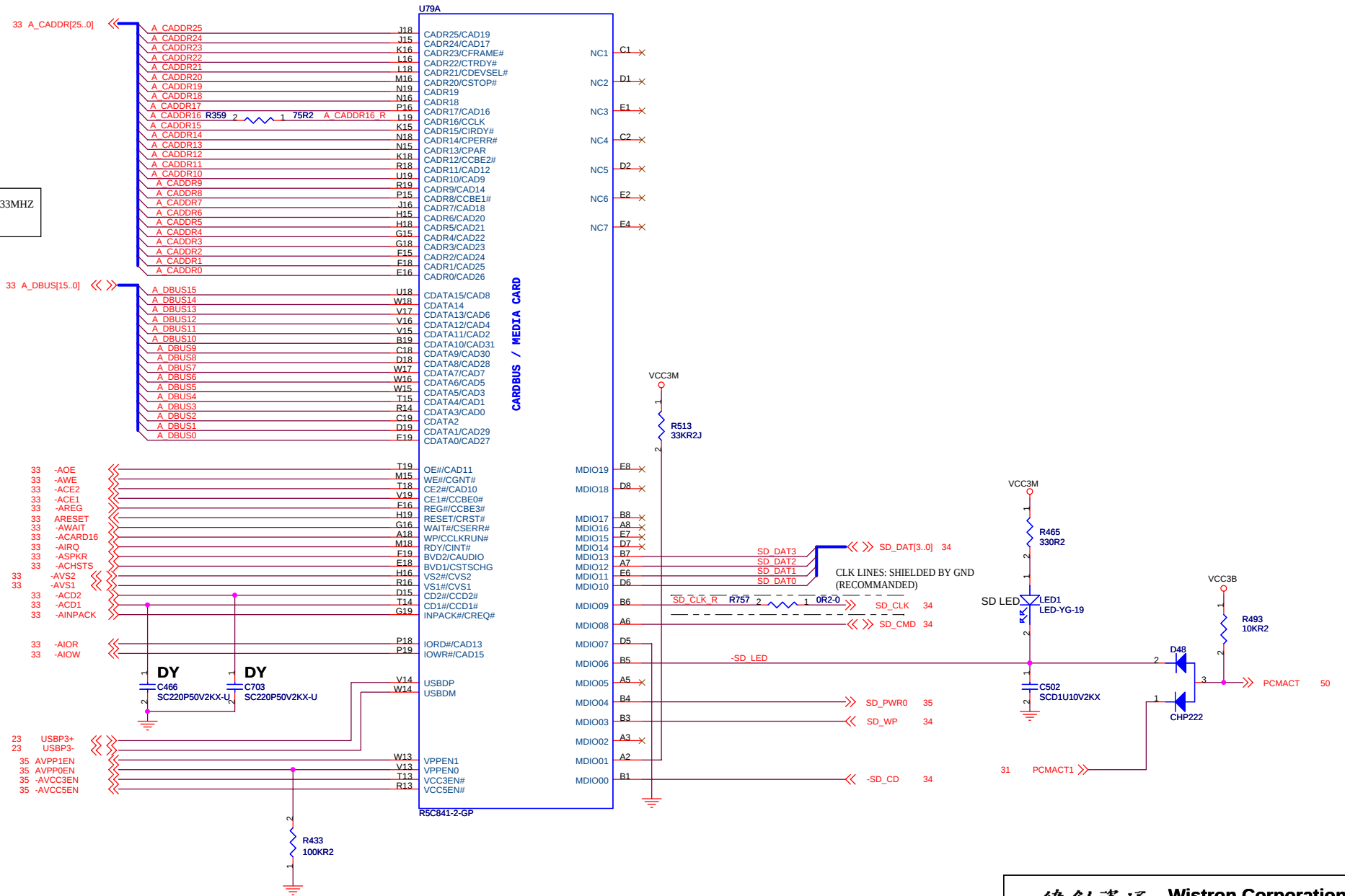
<Variant Name>

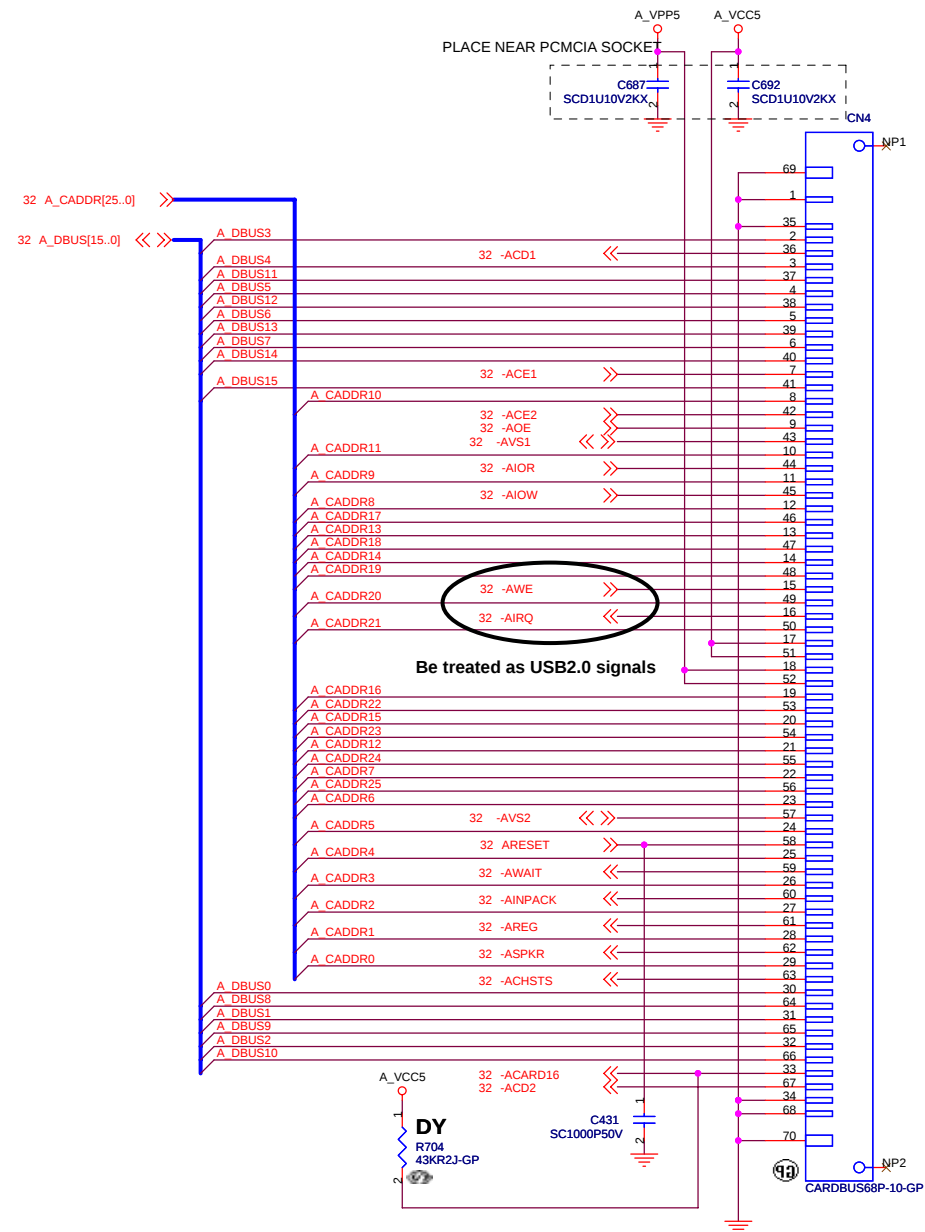
緯創資通 Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title	
AUDIO MISC	
Size	Document Number
A4	KS Note
Date:	Friday, July 22, 2005
Sheet	29 of 73
Rev	SB

System Speaker CONN

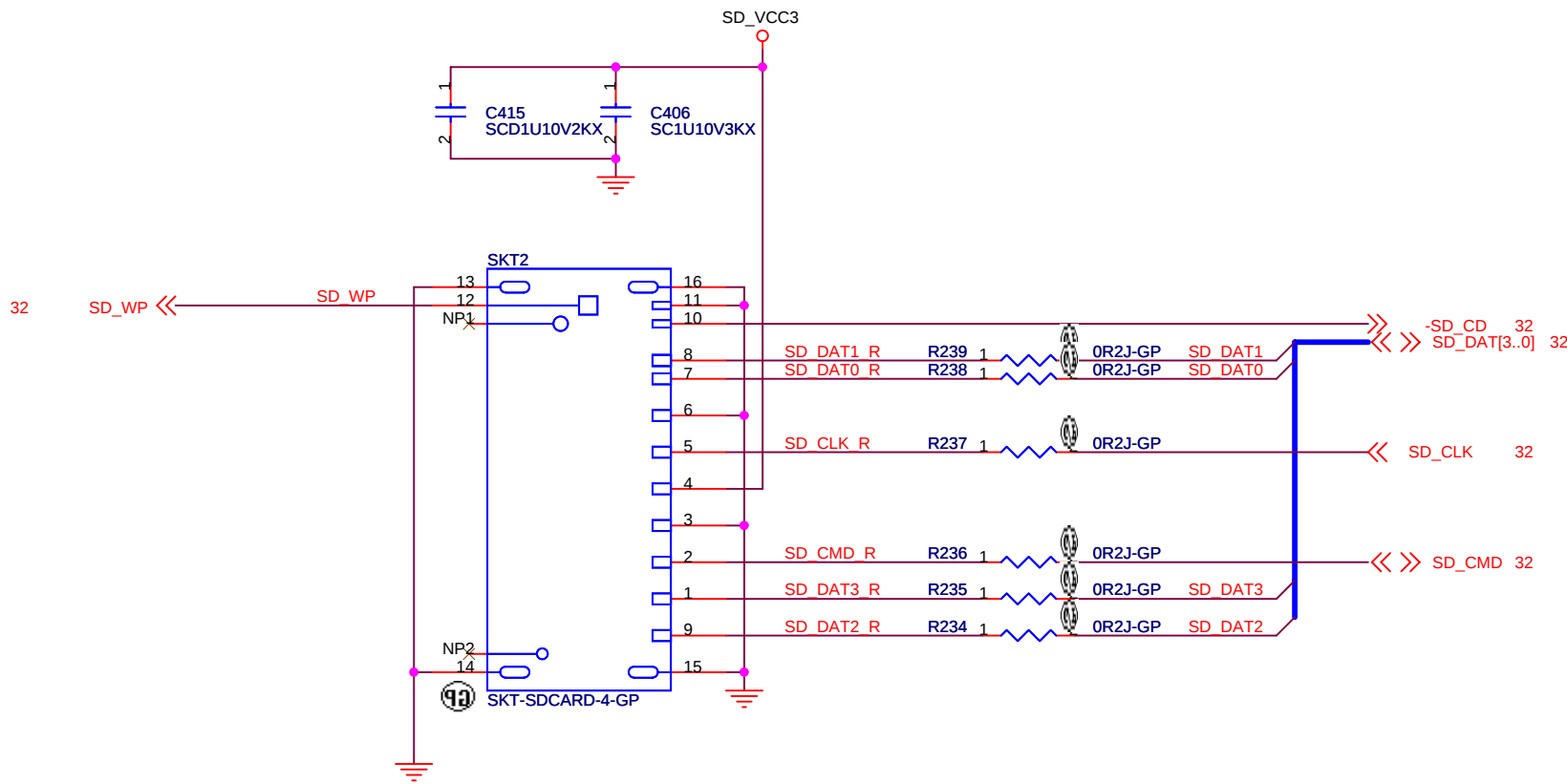


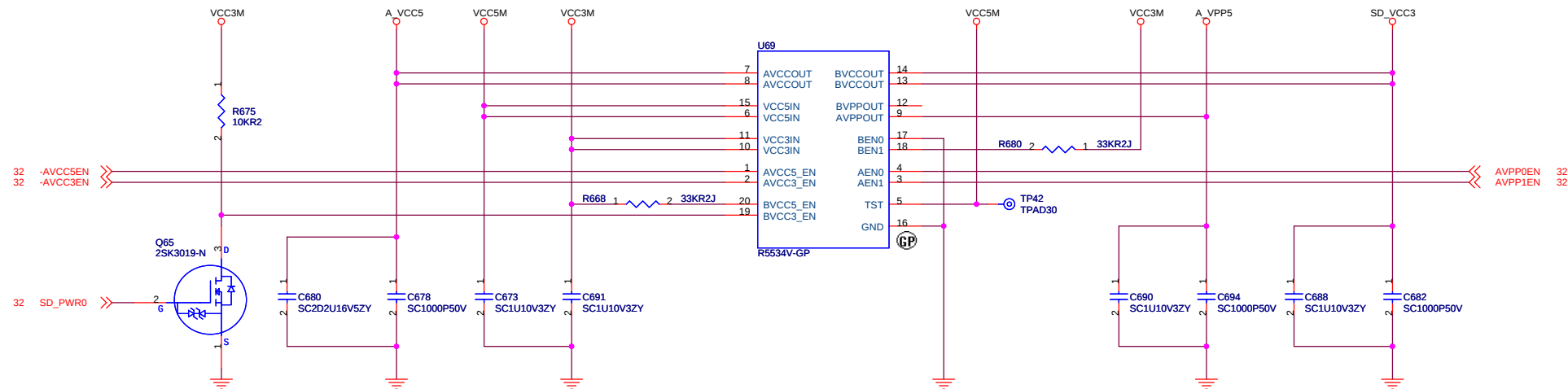
A_CADDR16: CARDBUS CLK 33MHZ
-AIOR, -AIOW: USB2.0





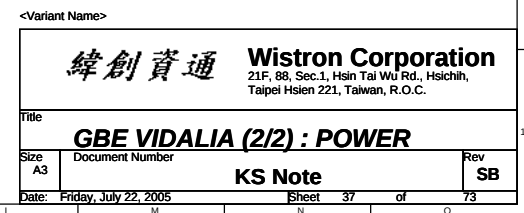
SD Slot

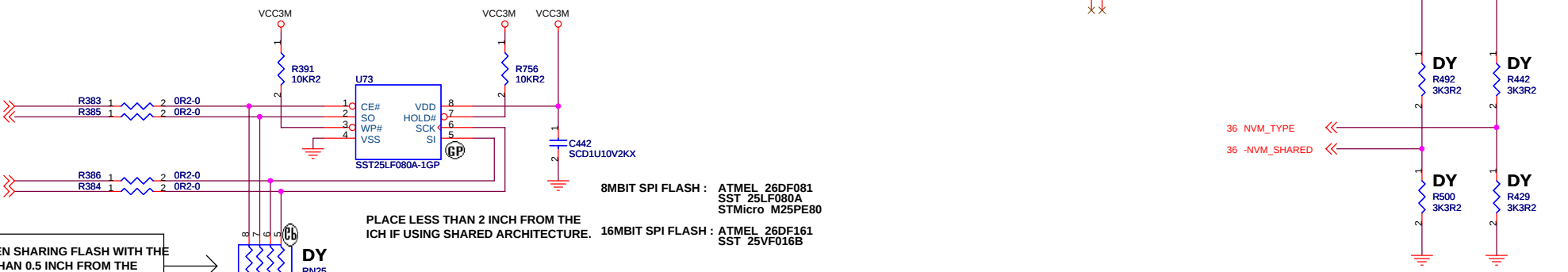
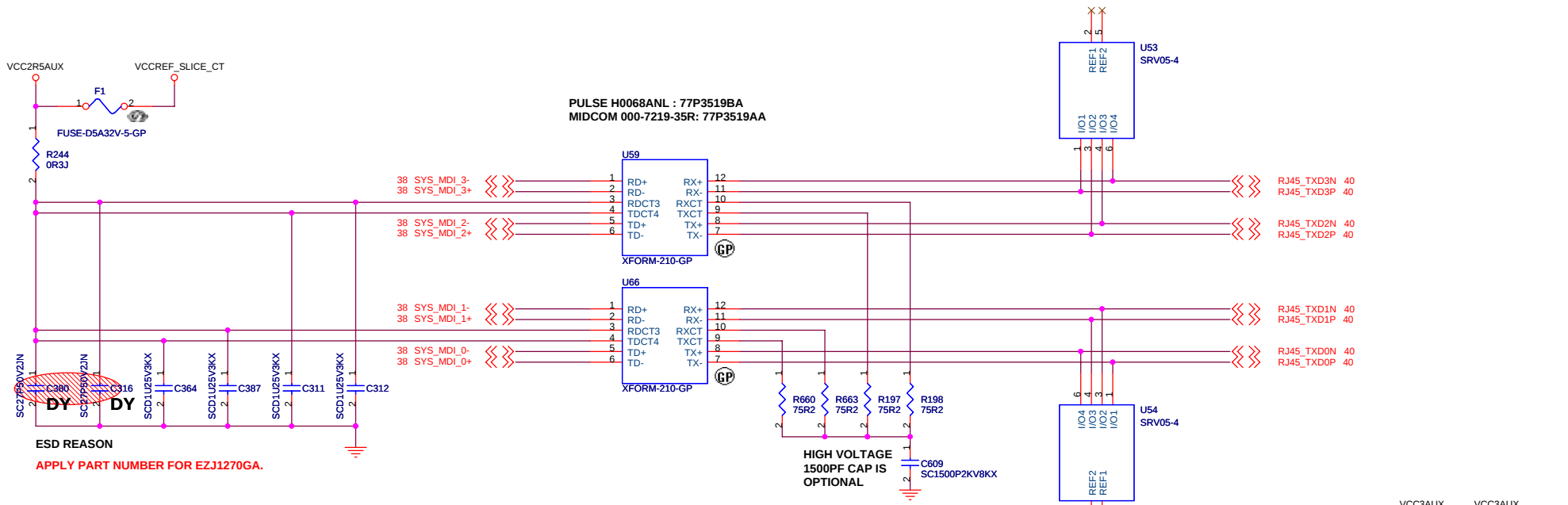




緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title				CARD BUS POWER CONTROL	
Size	A3	Document Number	KS Note		Rev
Date:		Friday, July 22, 2005	Sheet	35	of 73
			SB		





	R500	R429	R442	R492	REMARKS
SHARED FLASH CASE	ASM	ASM	NO_ASM	NO_ASM	
DEDICATED TEKOA (SPI FLASH)	NO_ASM	ASM	NO_ASM	ASM	
DEDICATED TEKOA (SPI EEPROM)	NO_ASM	NO_ASM	ASM*1	ASM*1	*1 TEKOA HAS ON-DIE PULL UPS
DEDICATED ICH	NO_ASM	*2 ASM: EEPROM NO_ASM: FALSH	*2 ASM: EEPROM *1 ASM: FALSH	ASM	*2 DEPENDS ON TEKOA'S NVM TYPE : PULL-UP = EEPROM PULL-DOWN = FLASH

<Variant Name>

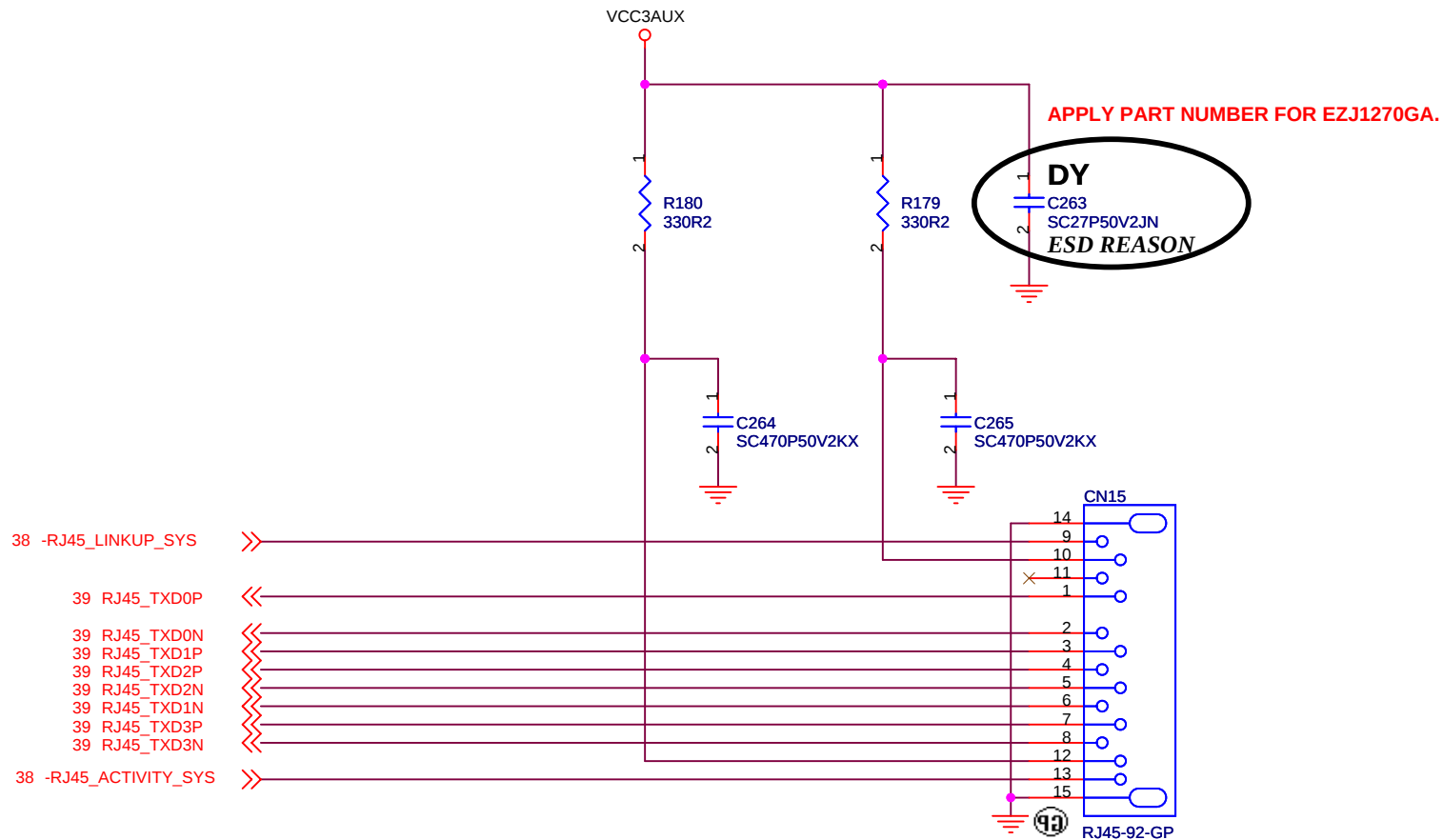
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title

GBE MAGNETICS

Size A3 Document Number KS Note Rev SB

Date: Friday, July 22, 2005 Sheet 39 of 73



<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 CONN

Size
A4

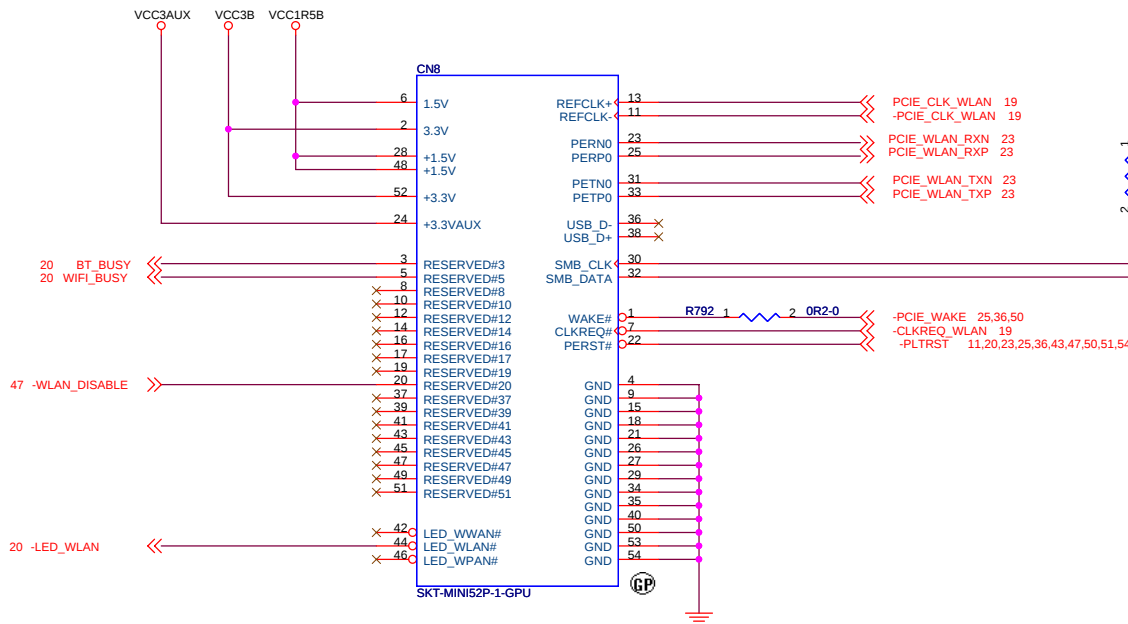
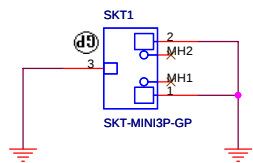
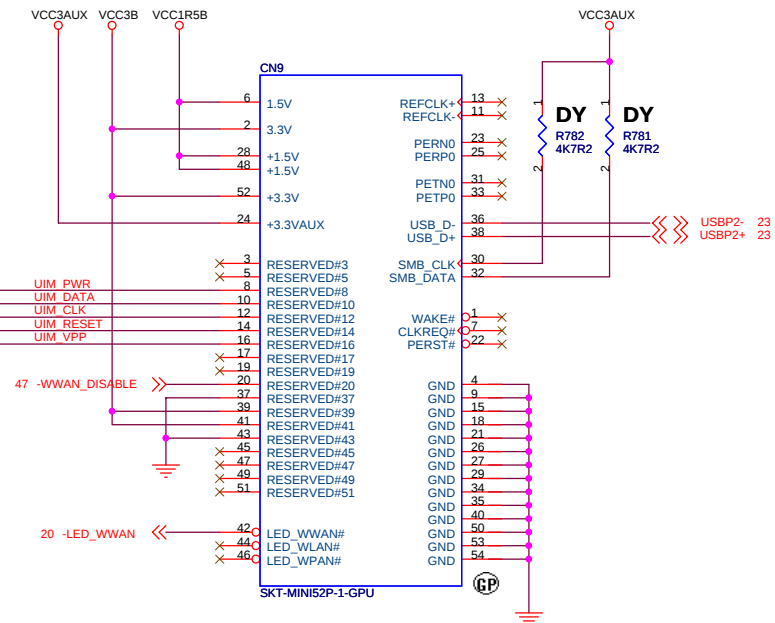
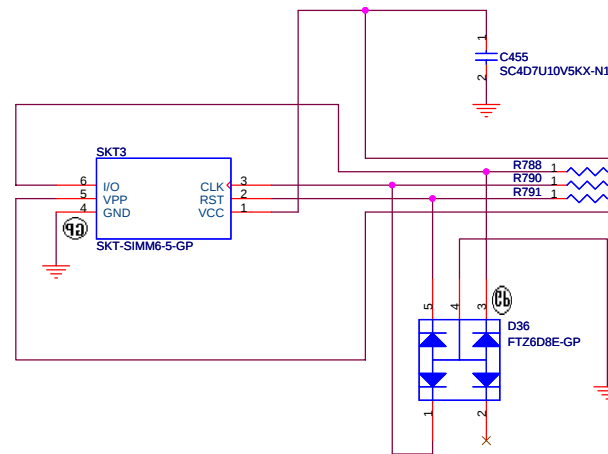
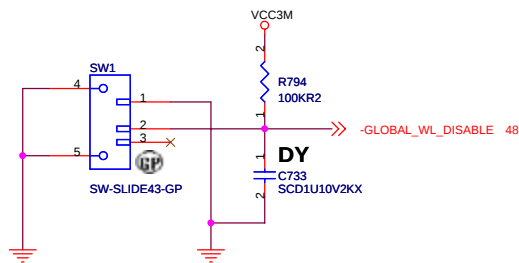
Document Number

KS Note

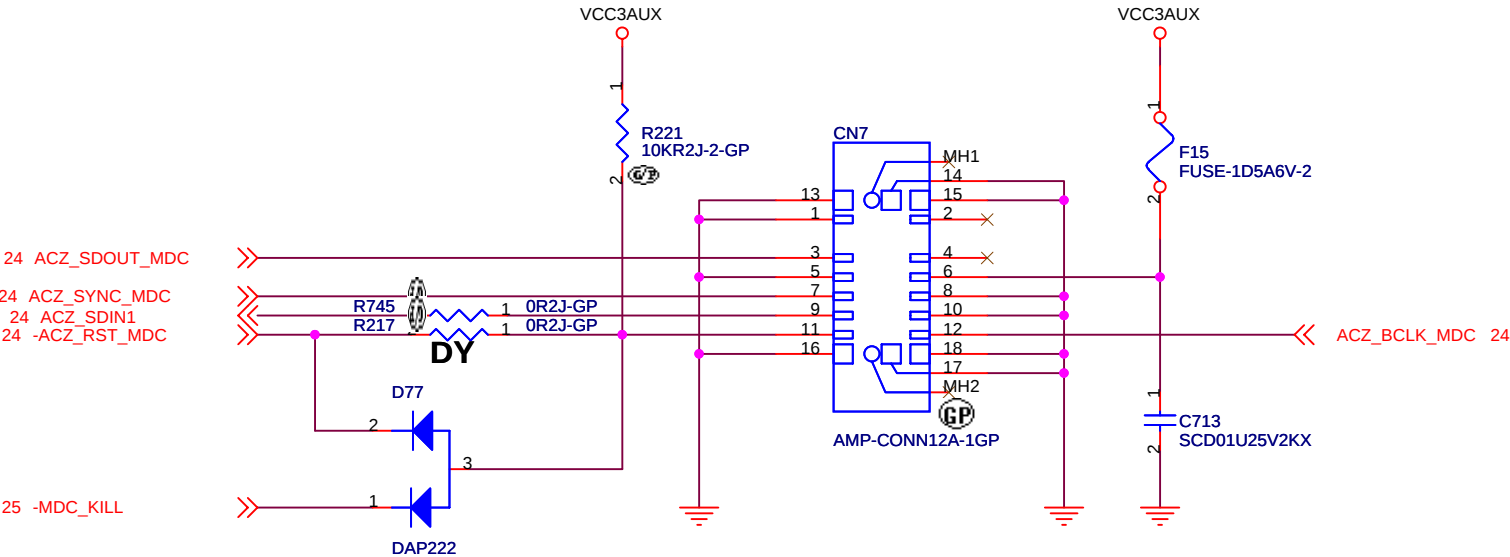
Rev
SB

Date: Friday, July 22, 2005

Sheet 40 of 73

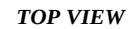


MDC CONN



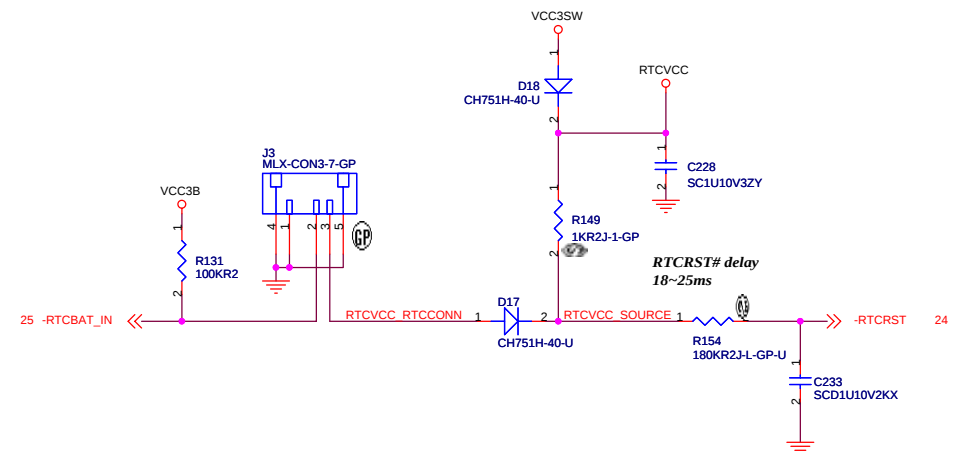
<Variant Name>

		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title			
MDC 1.5 CONNECTOR			
Size A4	Document Number KS Note		Rev SB
Date:	Friday, July 22, 2005	Sheet 42 of	73



A15	(B1)
A14	(B2)
$\vdots$	$\vdots$
A2	(B14)
A1	(B15)

(BOTTOM VIEW)



緯創資通

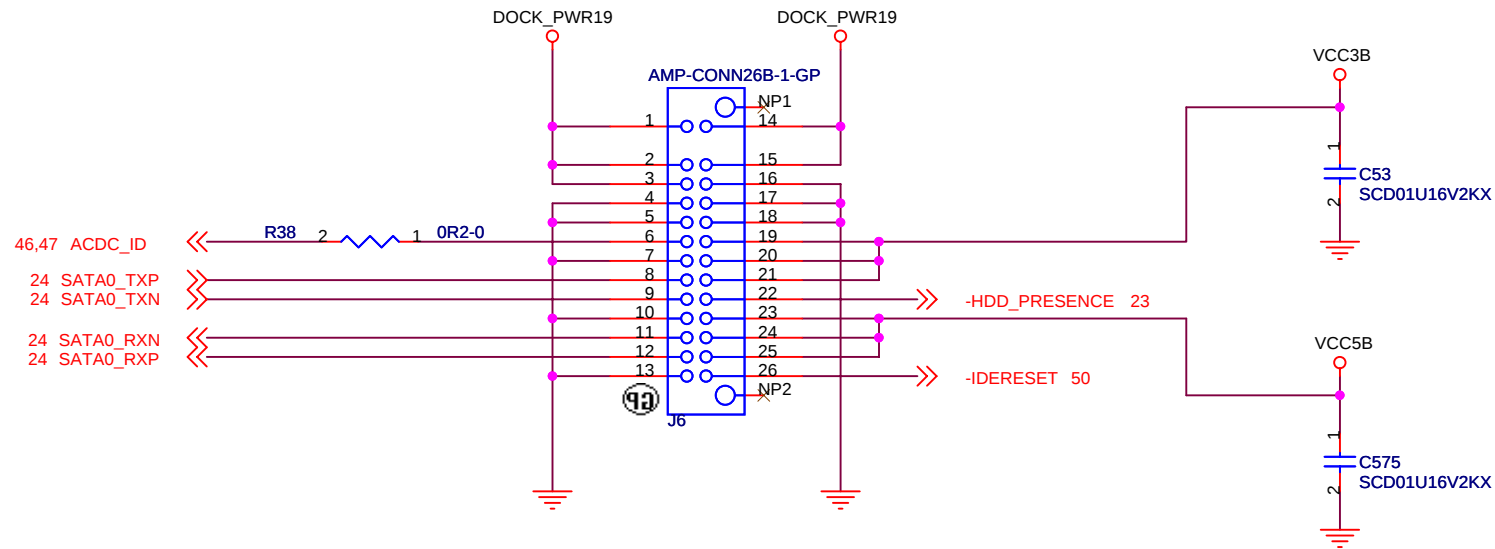
Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

FWH, RTC BATTERY

KS Note

Sheet 43 of 73

SATA



<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

Board To Board CONN

Size
A4

Document Number

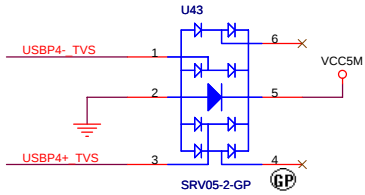
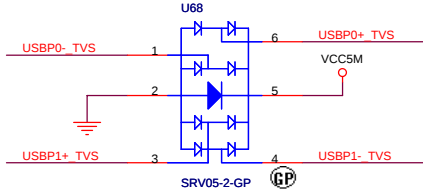
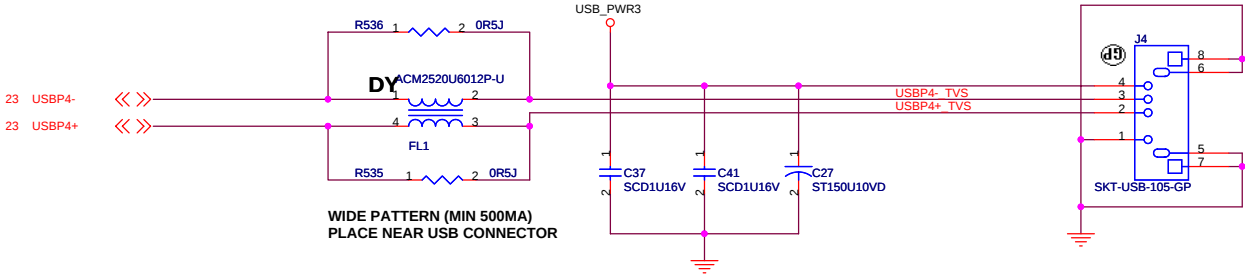
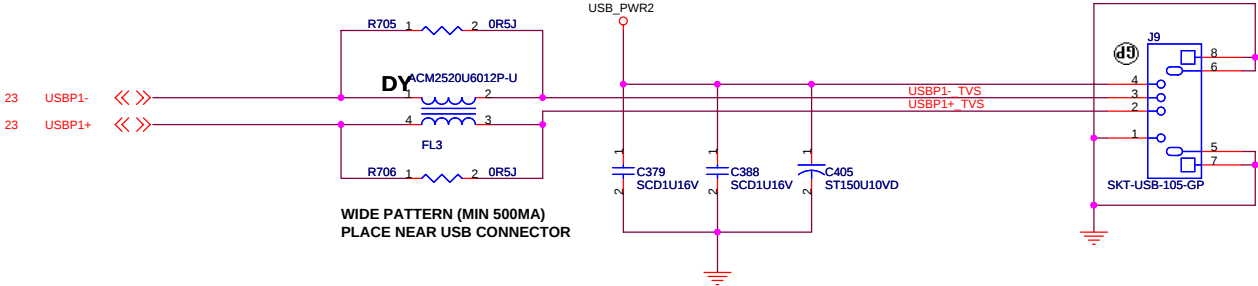
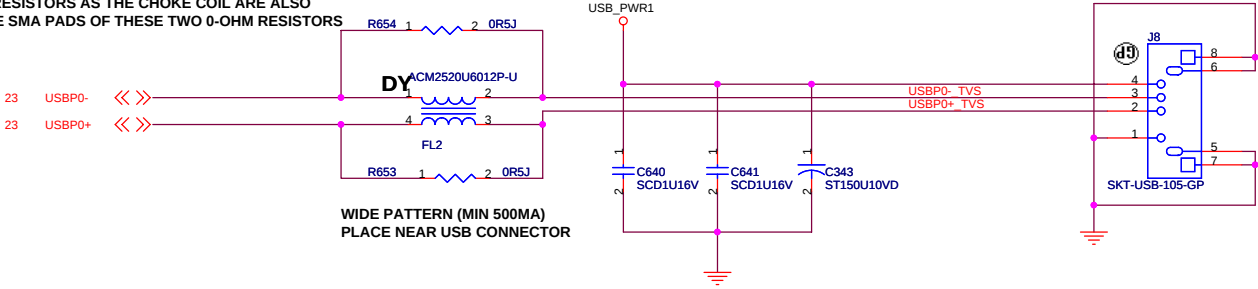
KS Note

Rev
SB

Date: Friday, July 22, 2005

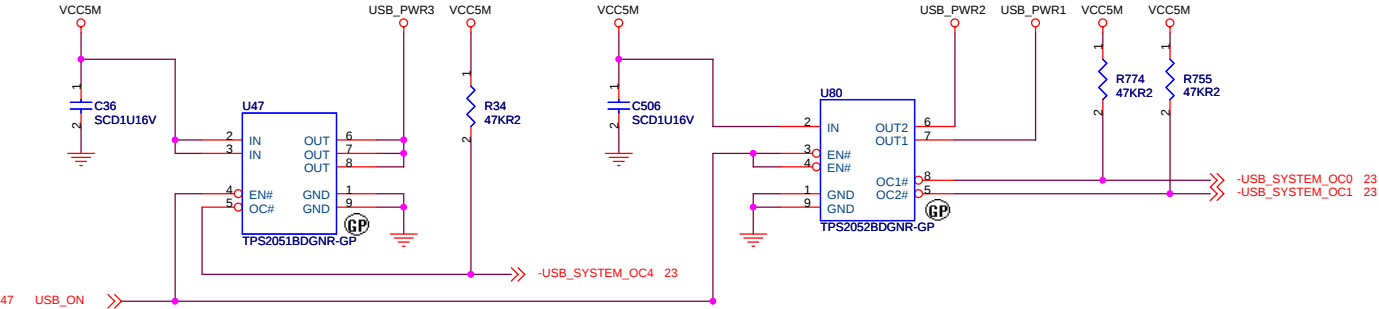
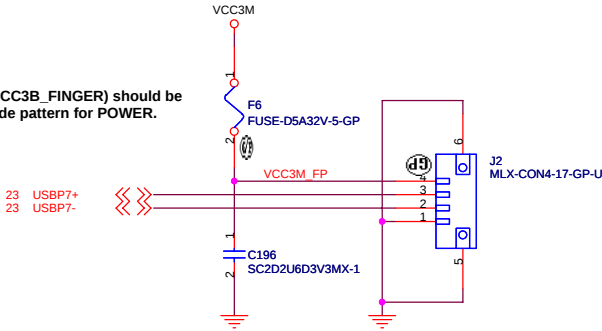
Sheet 44 of 73

COMMON MODE CHOKE COIL: TDK ACM2520U
PLACE THESE RESISTORS AS THE CHOKE COIL ARE ALSO
PLACED ON THE SMA PADS OF THESE TWO 0-OHM RESISTORS

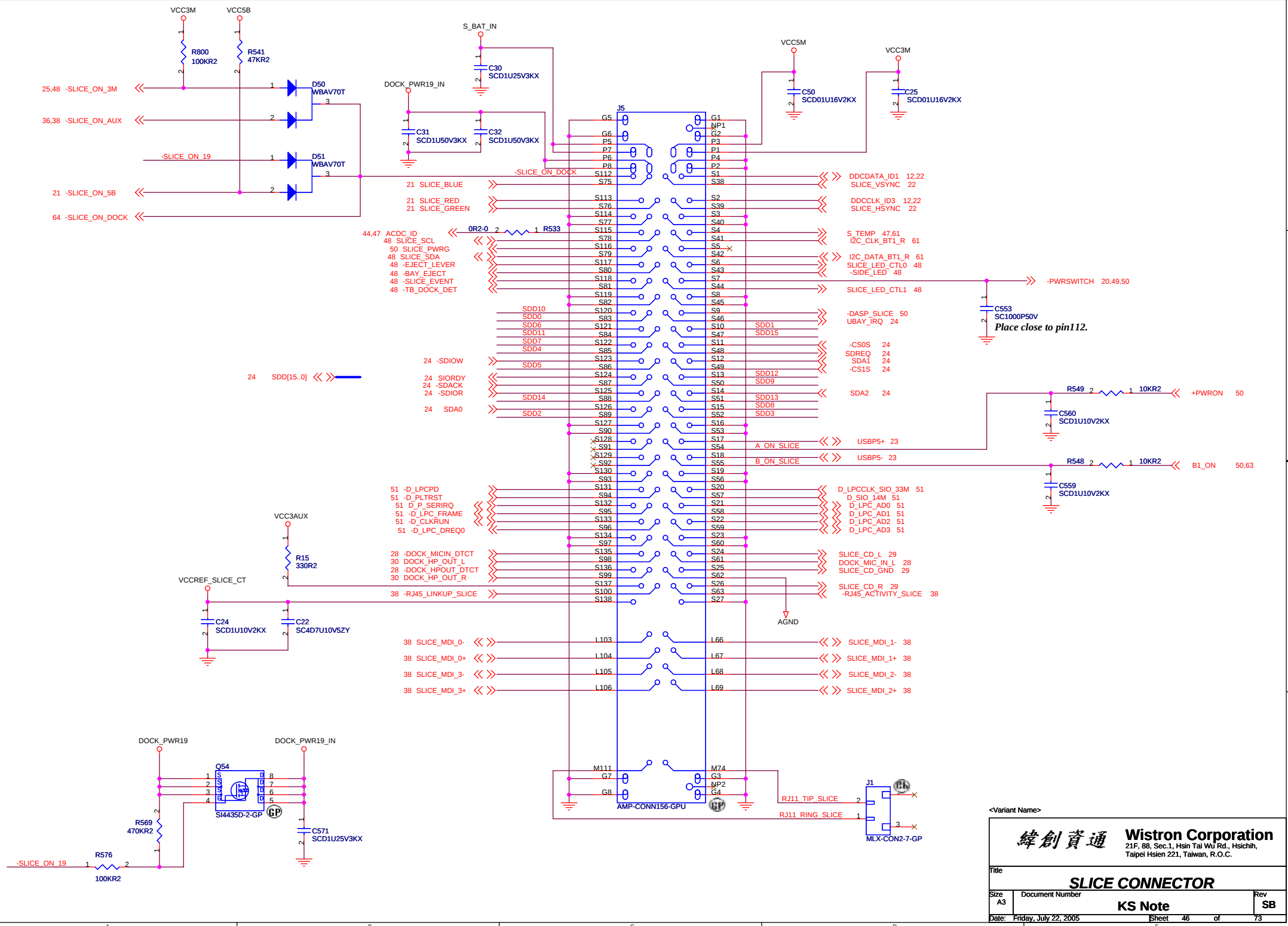


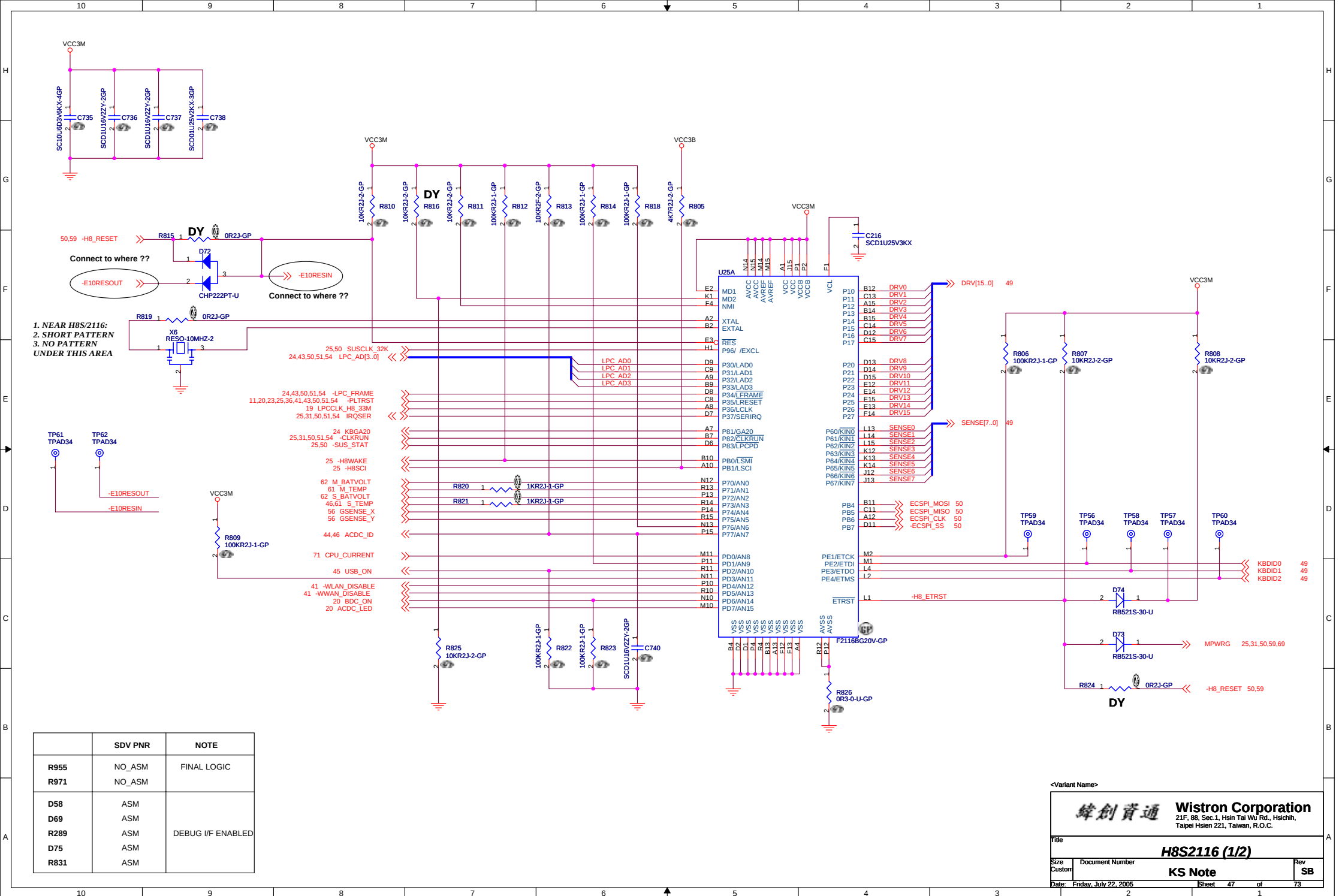
Fingerprint

This trace (VCC3B_FINGER) should be routed by wide pattern for POWER.



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	
A3		SB	
Date: Friday, July 22, 2005		Sheet 45 of 73	
KS Note			





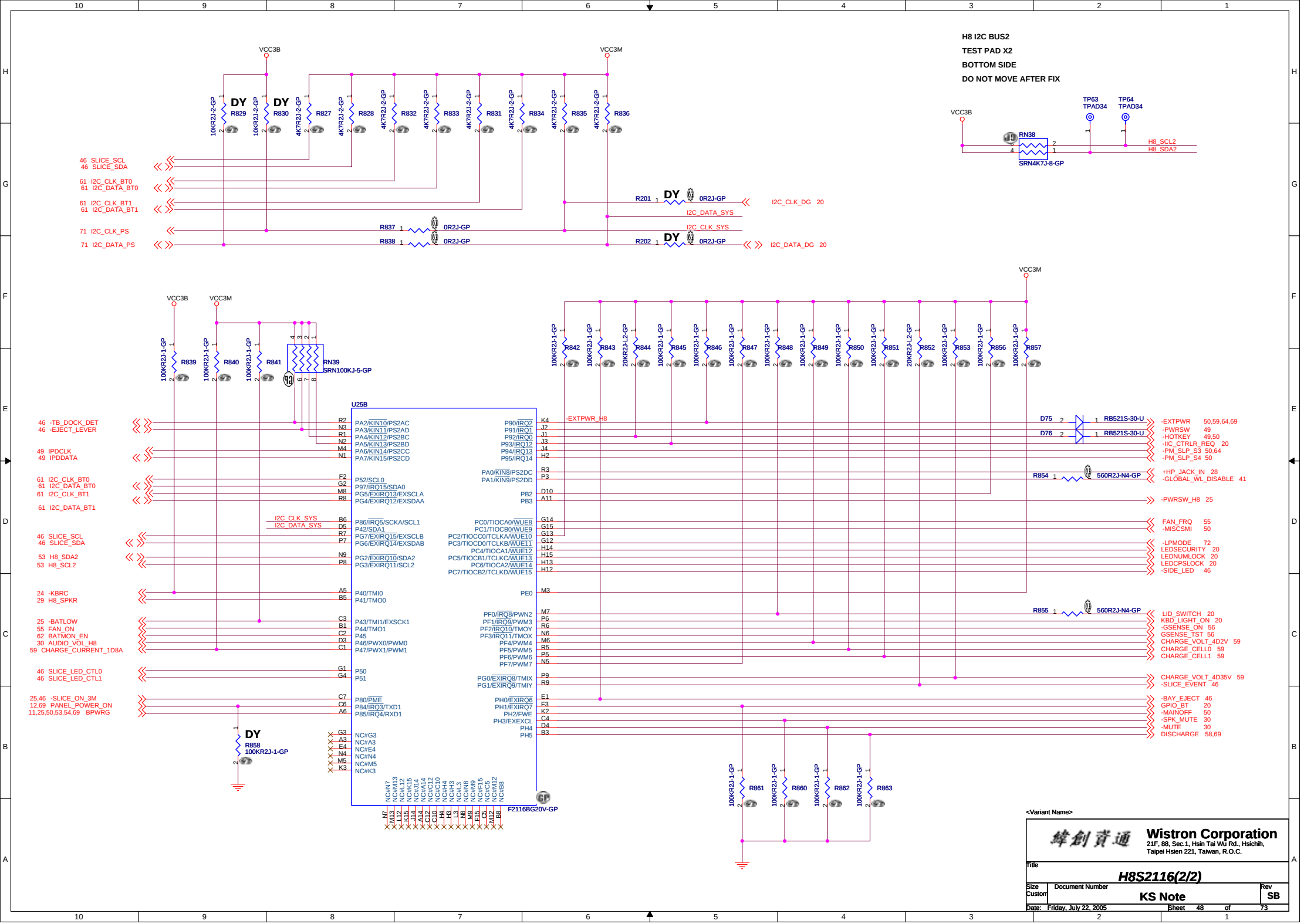
	SDV PNR	NOTE
R955	NO_ASM	FINAL LOGIC
R971	NO_ASM	
D58	ASM	DEBUG I/F ENABLED
D69	ASM	
R289	ASM	
D75	ASM	
R831	ASM	

<Variant Name>

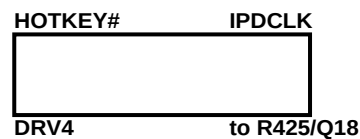
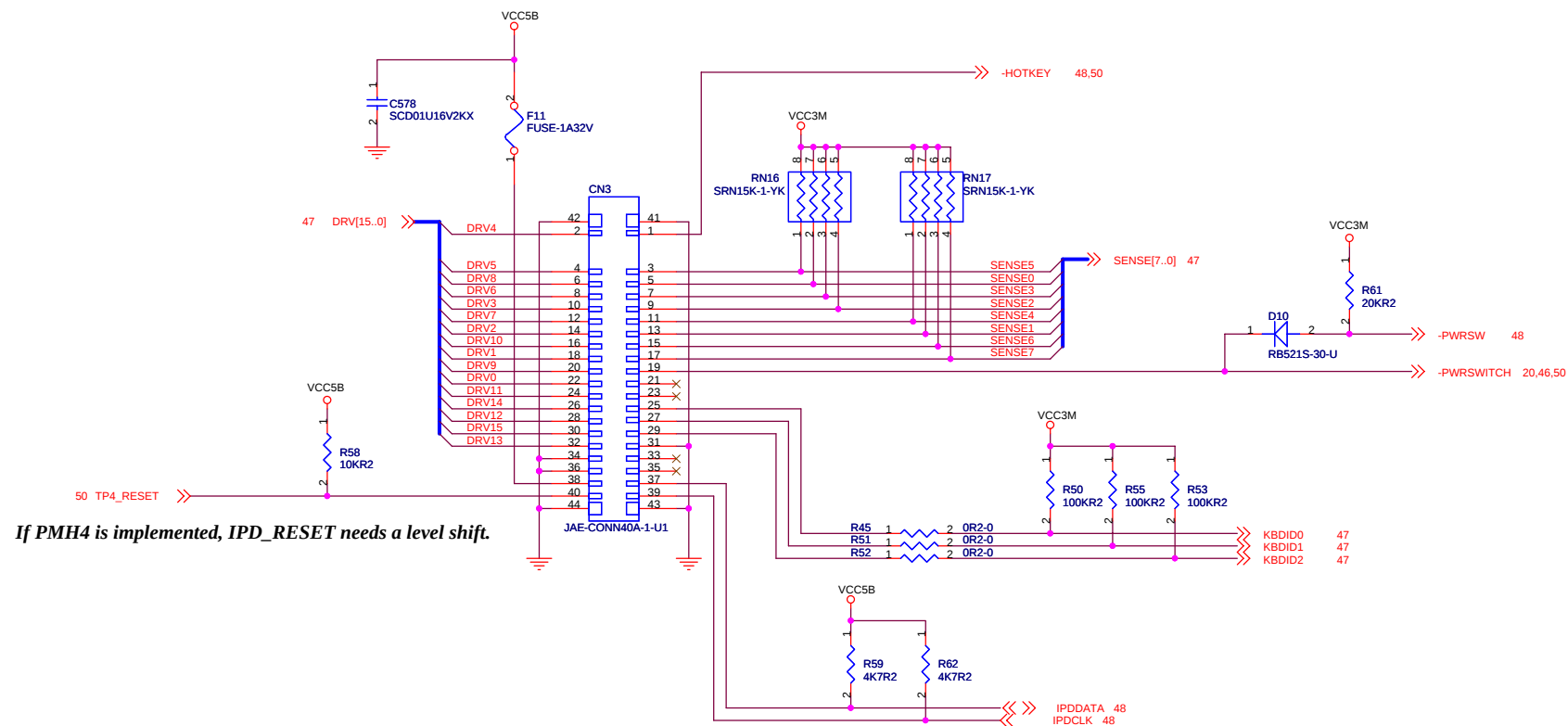
緯創資通

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

Title			
H8S2116 (1/2)			
Size Custom	Document Number		Rev
	KS Note		SB
Date:	Friday, July 22, 2005		Sheet 47 of 73



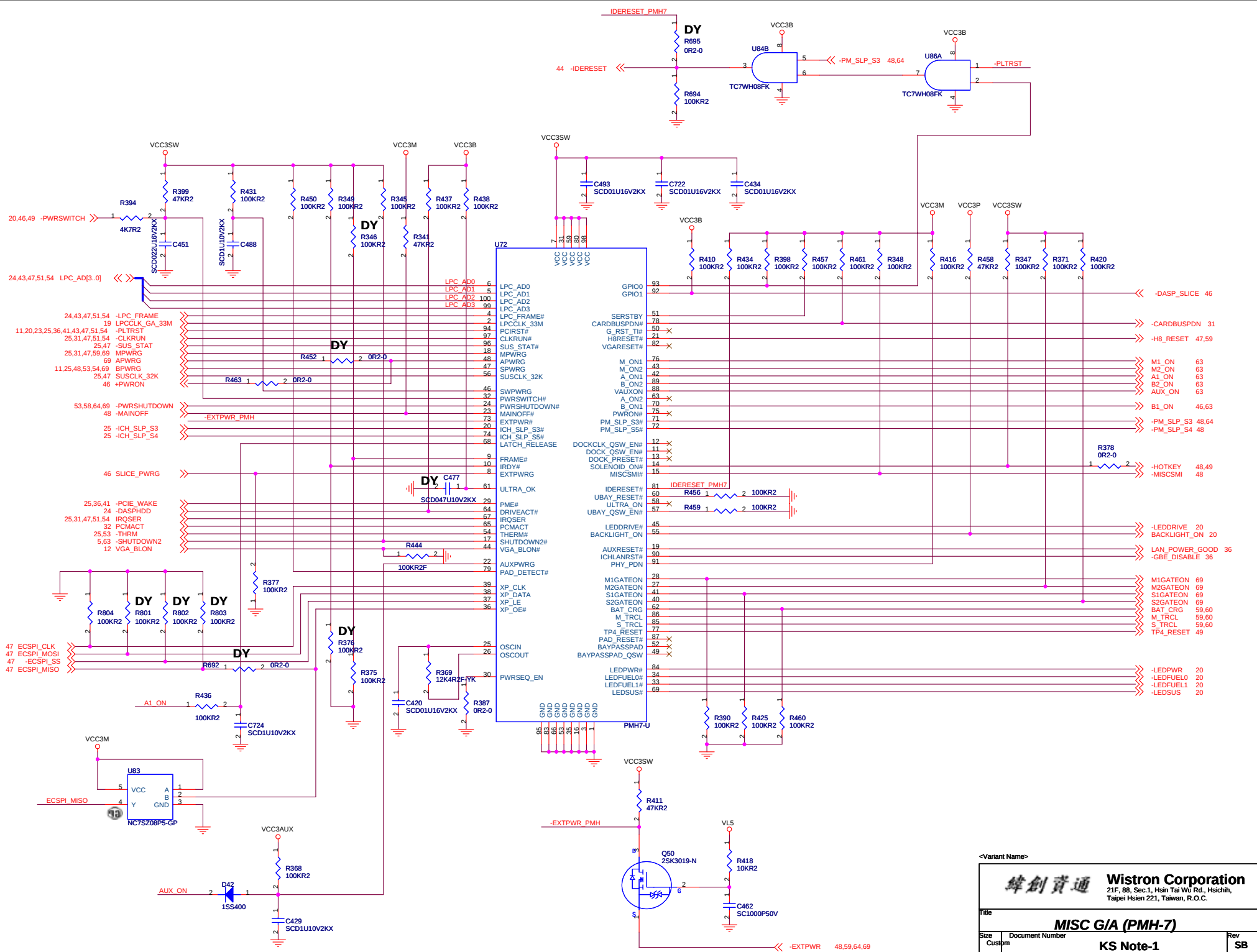
Keyboard Connector

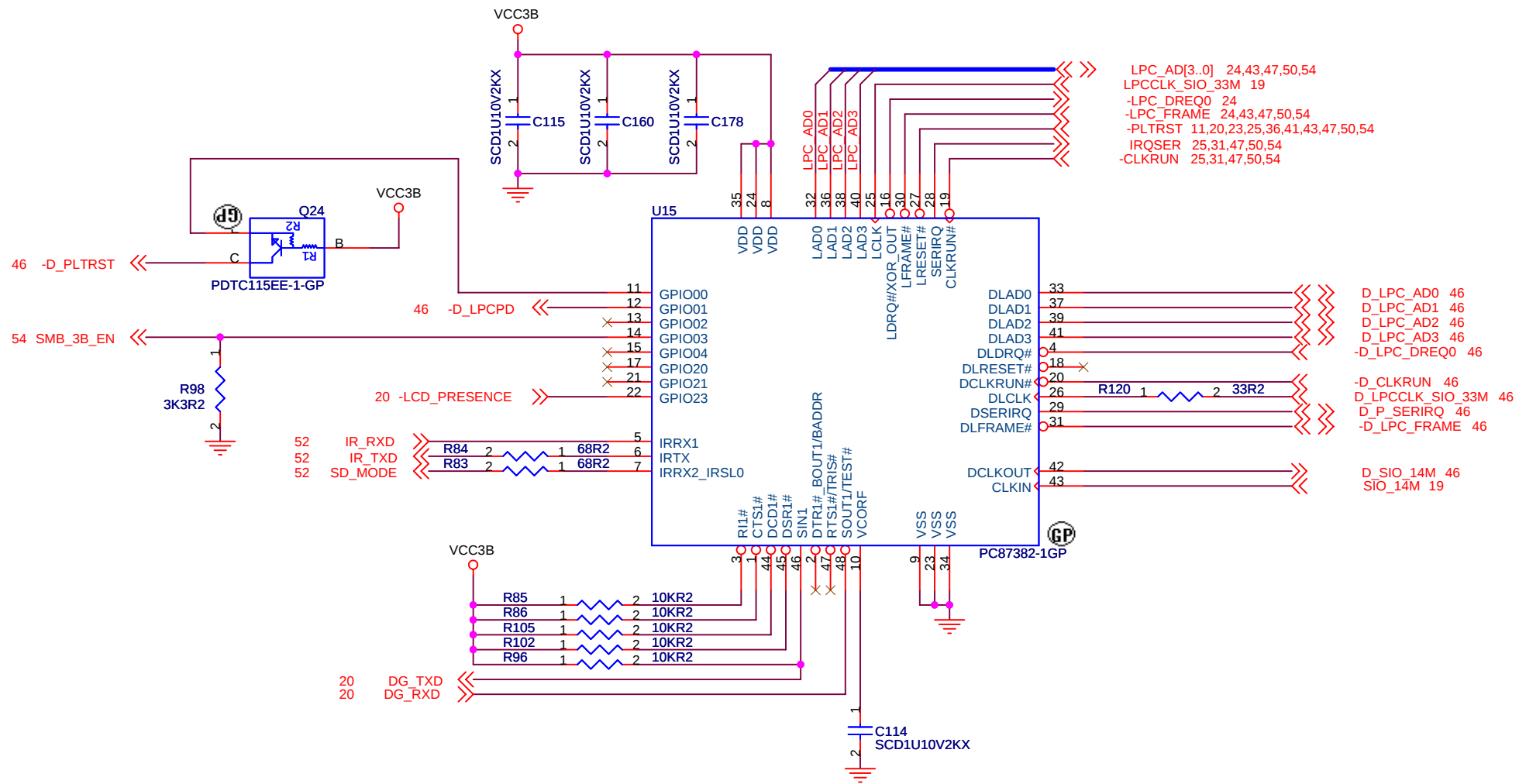


Keyboard Connector Top View

<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 A3	Document Number KS Note	Rev SB	
Date: Friday, July 22, 2005	Sheet 49	of	73





<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

SIO NS87382

Size
A4

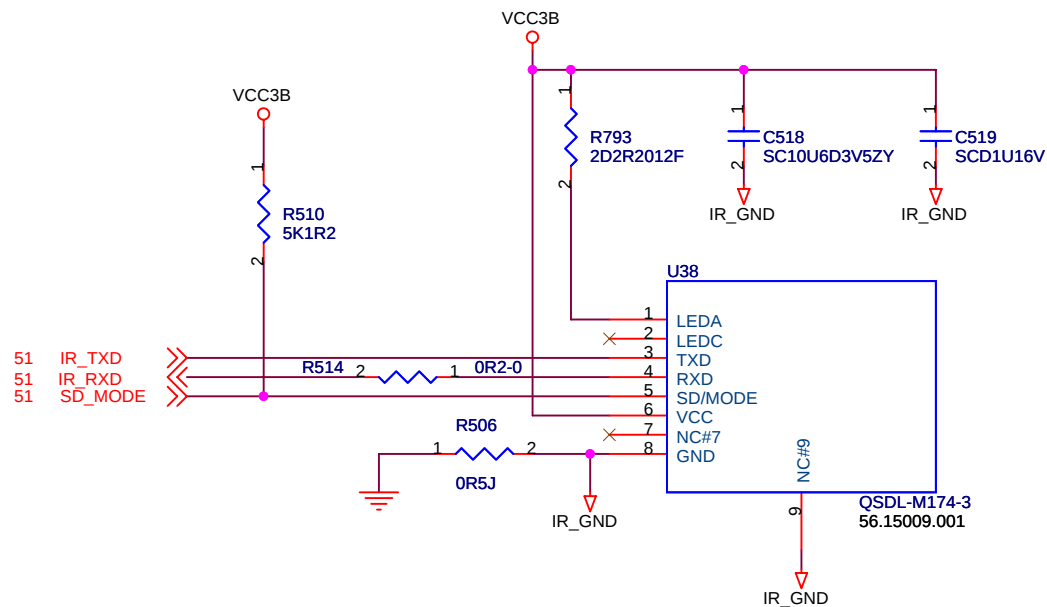
Document Number

KS Note

Rev
SB

Date: Friday, July 22, 2005

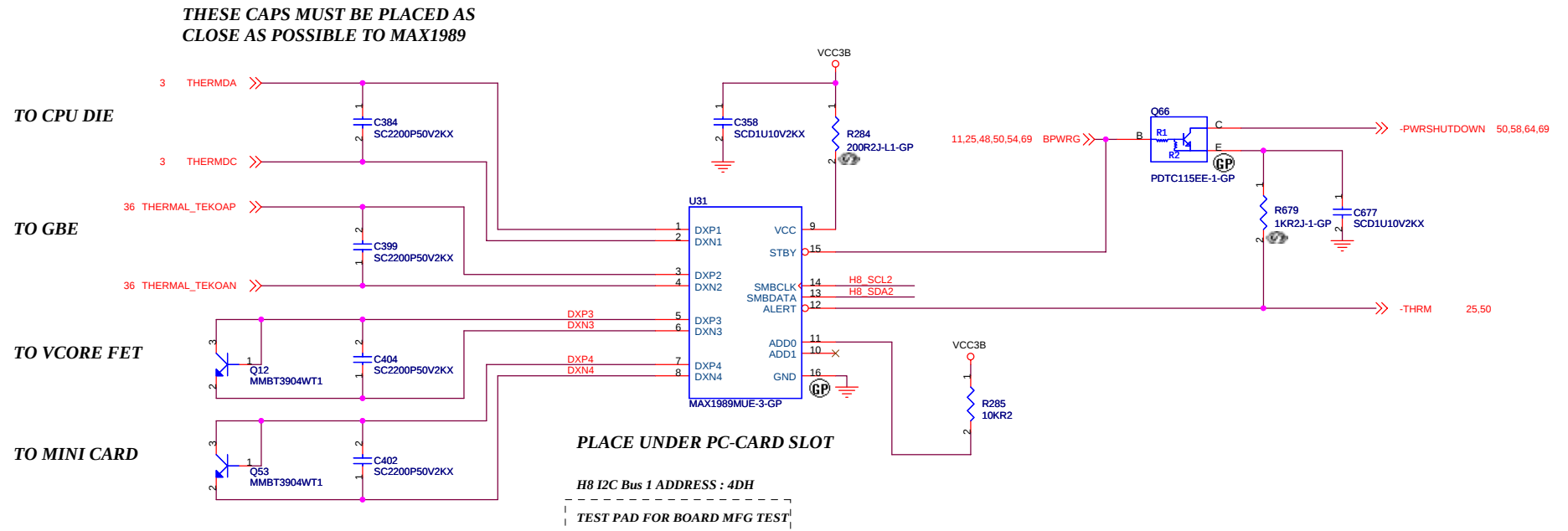
Sheet 51 of 73



SHOULD QUALIFY BELOW PARTS
PRIMATY ALIGENT QSDL-M174-1 : 56.15009.001
SECOND VISHAY TFDU6102 : 56.15001.051

<Variant Name>

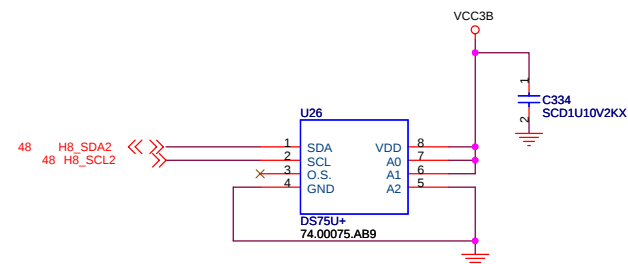
緯創資通		Wistron Corporation	
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.			
Title			
IR MODULE			
Size	Document Number	Rev	
A4		SB	
Date: Friday, July 22, 2005		Sheet	52 of 73



Thermal Sensor LM75 for DDR module

(For DDR throttling implementation)

PLACE DIMM area



Main Source : 74.00075.AB9 (MAXIM)
2nd Source : 74.07416.0B9 (ADI)
74.00075.CB9 (NS)

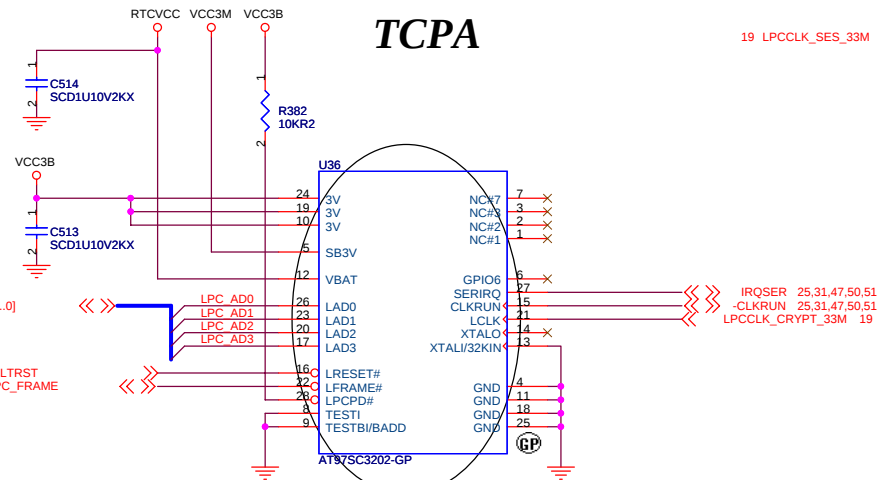
<Variant Name>

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

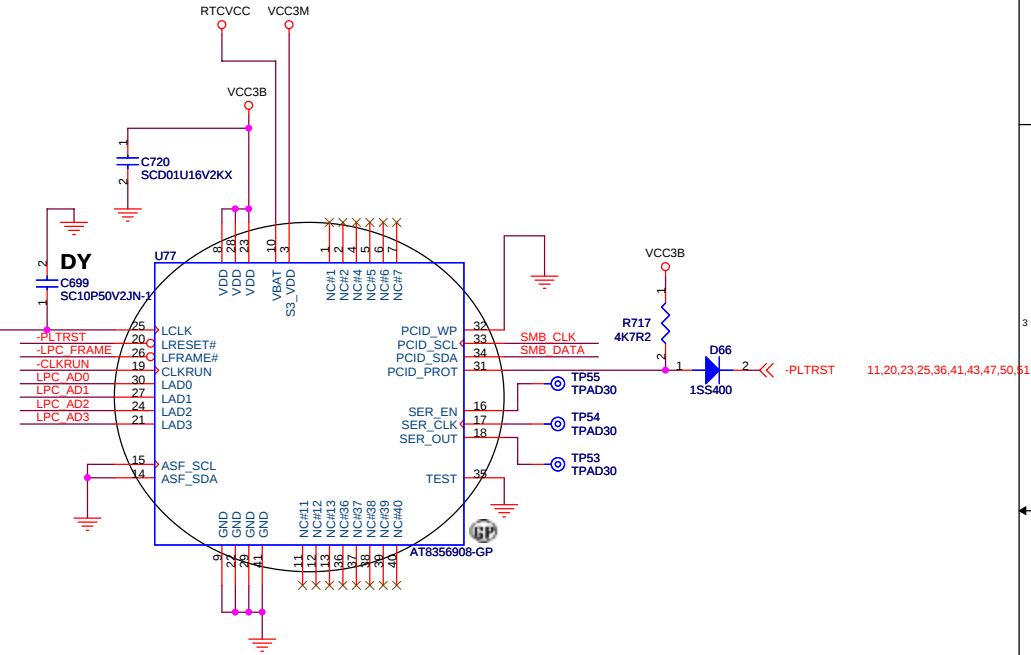
Title			
THERMAL SENSOR			
Size A3	Document Number	Rev	
		KS Note	
Date: Friday, July 22, 2005	Sheet	53	of 73

TATER

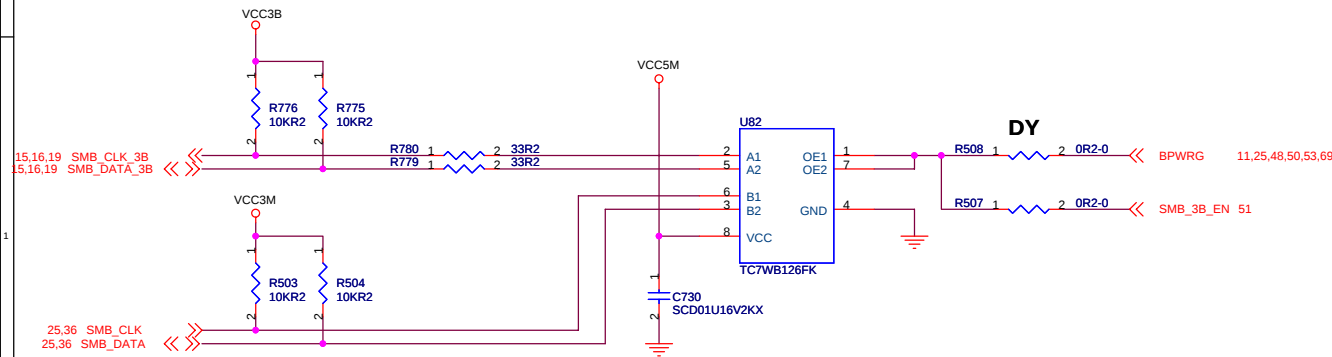
TCPA



Change to ATD97SC3203-XA2T10



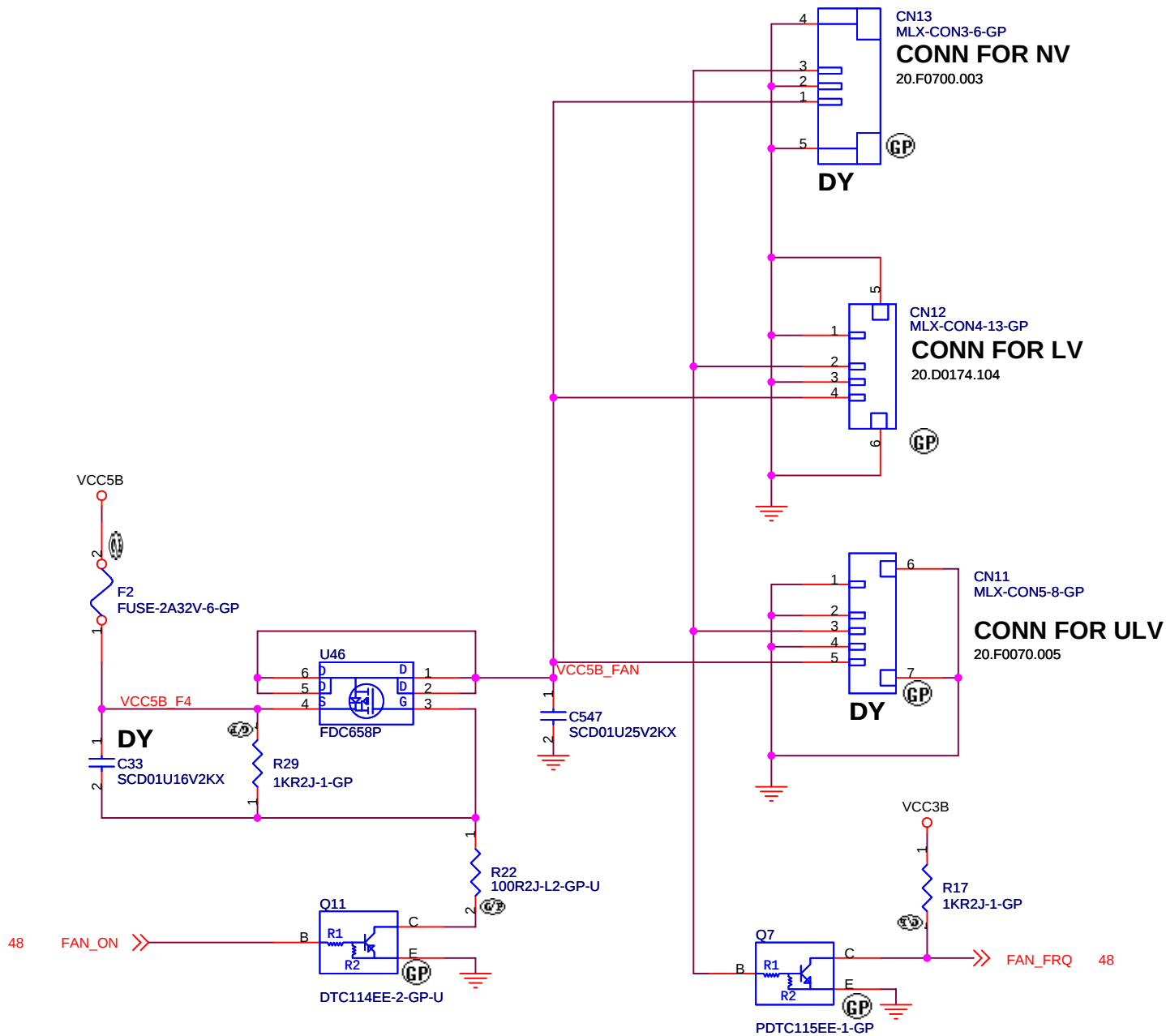
Change to AT8356908-DML6X



<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		
I2CBUS/SMBUS		
Size	Document Number	Rev
A3	KS Note	SB
Date:	Friday, July 22, 2005	Sheet 54 of 73



<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
A4

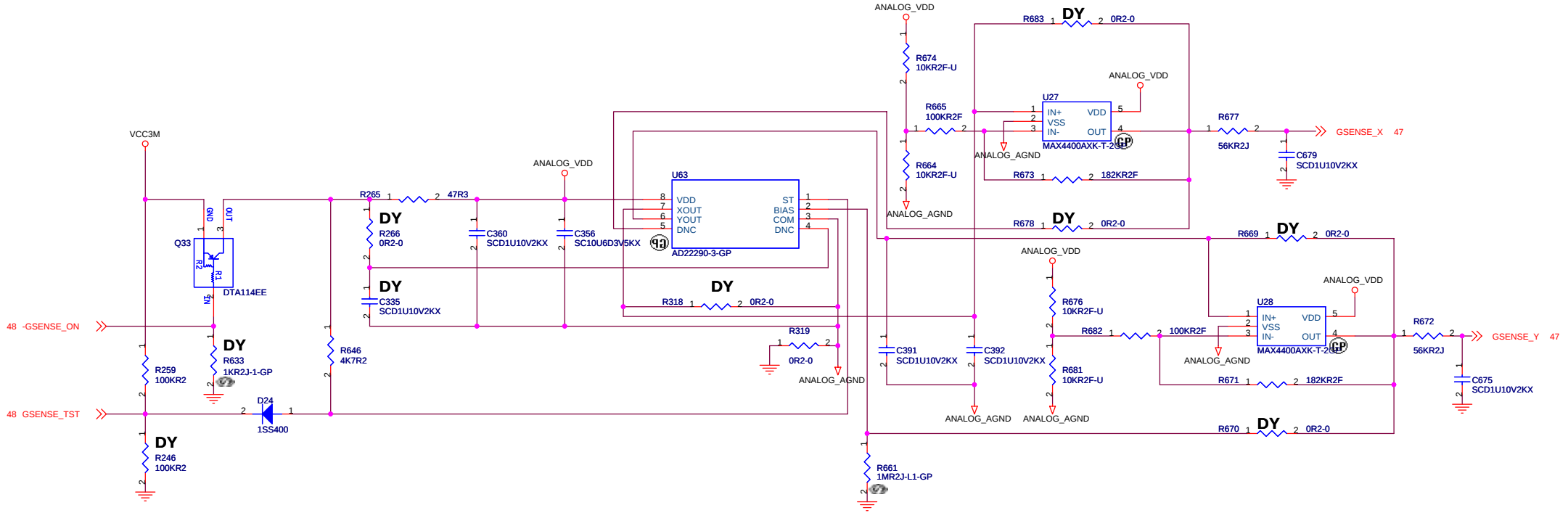
Document Number

KS Note

Rev
SB

Date: Friday, July 22, 2005

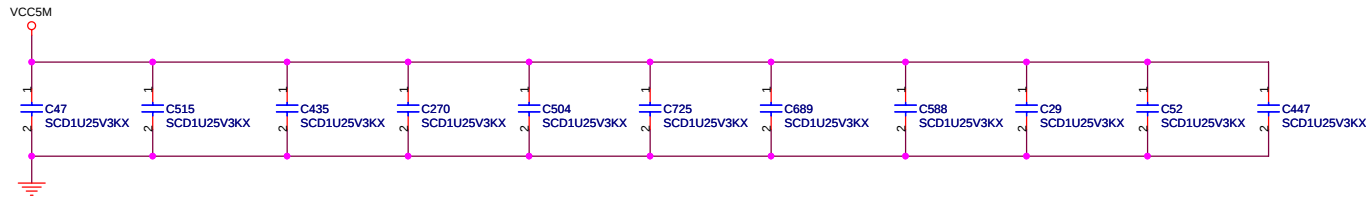
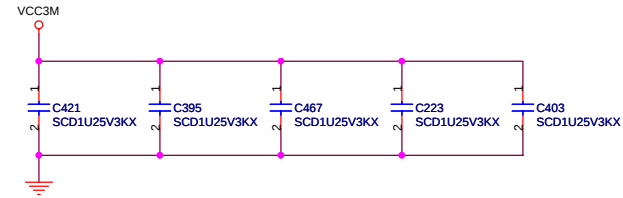
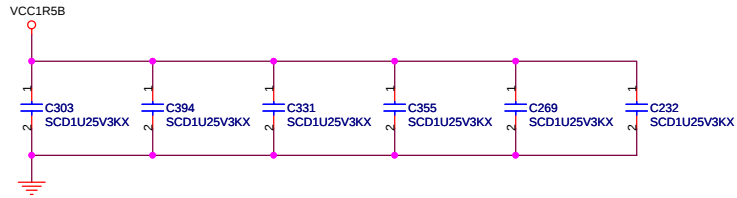
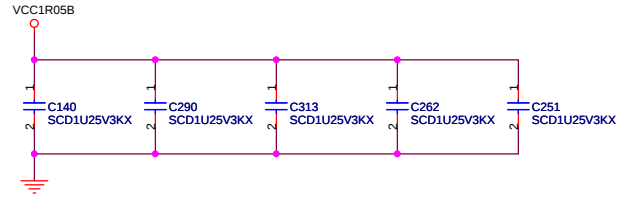
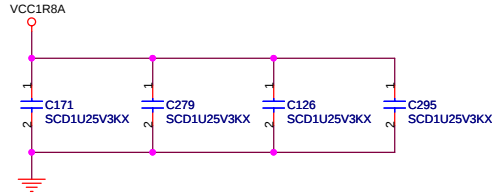
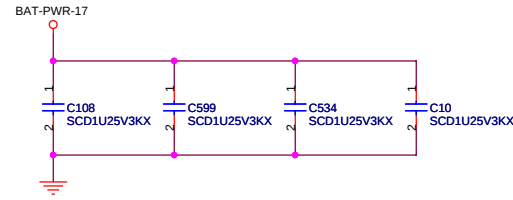
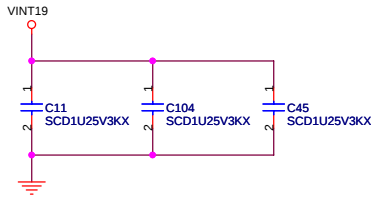
Sheet 55 of 73



Accelero Meter Parts List

KS-NOTE	ADI	STMicro	No Accel.
R633	NO_ASM	ASM	ASM
R246	NO_ASM	NO_ASM	ASM
U63	AD22290	LIS2L02AL	NO_ASM
U27	ASM	NO_ASM	NO_ASM
U28	ASM	NO_ASM	NO_ASM
Q33	ASM	ASM	NO_ASM
D24	ASM	ASM	NO_ASM
R259	ASM	ASM	NO_ASM
R646	ASM	ASM	NO_ASM
R265	47 Ohm	10 Ohm	NO_ASM
C360	ASM	ASM	NO_ASM
C356	ASM	ASM	NO_ASM
R661	ASM	ASM	NO_ASM
R319	ASM	ASM	NO_ASM
C391	0.1uF,10%	0.033uF,10%	NO_ASM
C392	0.1uF,10%	0.033uF,10%	NO_ASM
R674	ASM	NO_ASM	NO_ASM
R664	ASM	NO_ASM	NO_ASM
R665	ASM	NO_ASM	NO_ASM
R673	ASM	NO_ASM	NO_ASM
R676	ASM	NO_ASM	NO_ASM
R681	ASM	NO_ASM	NO_ASM
R682	ASM	NO_ASM	NO_ASM

KS-NOTE	ADI	STMicro	No Accel.
R671	ASM	NO_ASM	NO_ASM
R677	56K	56K	NO_ASM
C679	ASM	ASM	NO_ASM
R672	56K	56K	NO_ASM
C675	ASM	ASM	NO_ASM
R266	NO_ASM	NO_ASM	NO_ASM
C335	NO_ASM	NO_ASM	NO_ASM
R318	NO_ASM	NO_ASM	NO_ASM
R678	NO_ASM	NO_ASM	NO_ASM
R670	NO_ASM	NO_ASM	NO_ASM
R683	NO_ASM	ASM	NO_ASM
R669	NO_ASM	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

EMC DECOUPLING

Size
A3

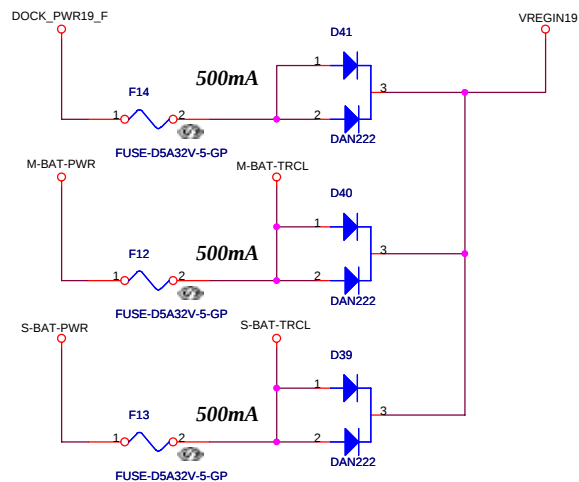
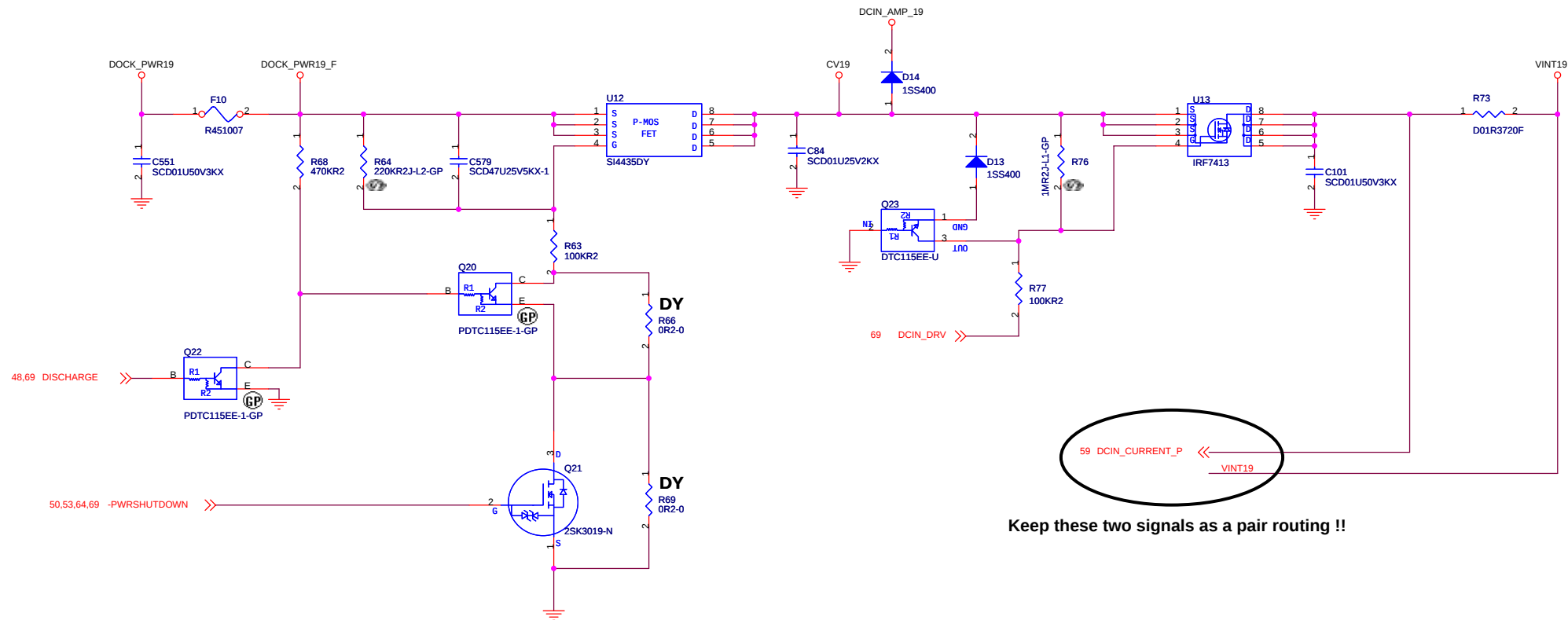
Document Number

KS Note

Rev
SB

Date: Friday, July 22, 2005

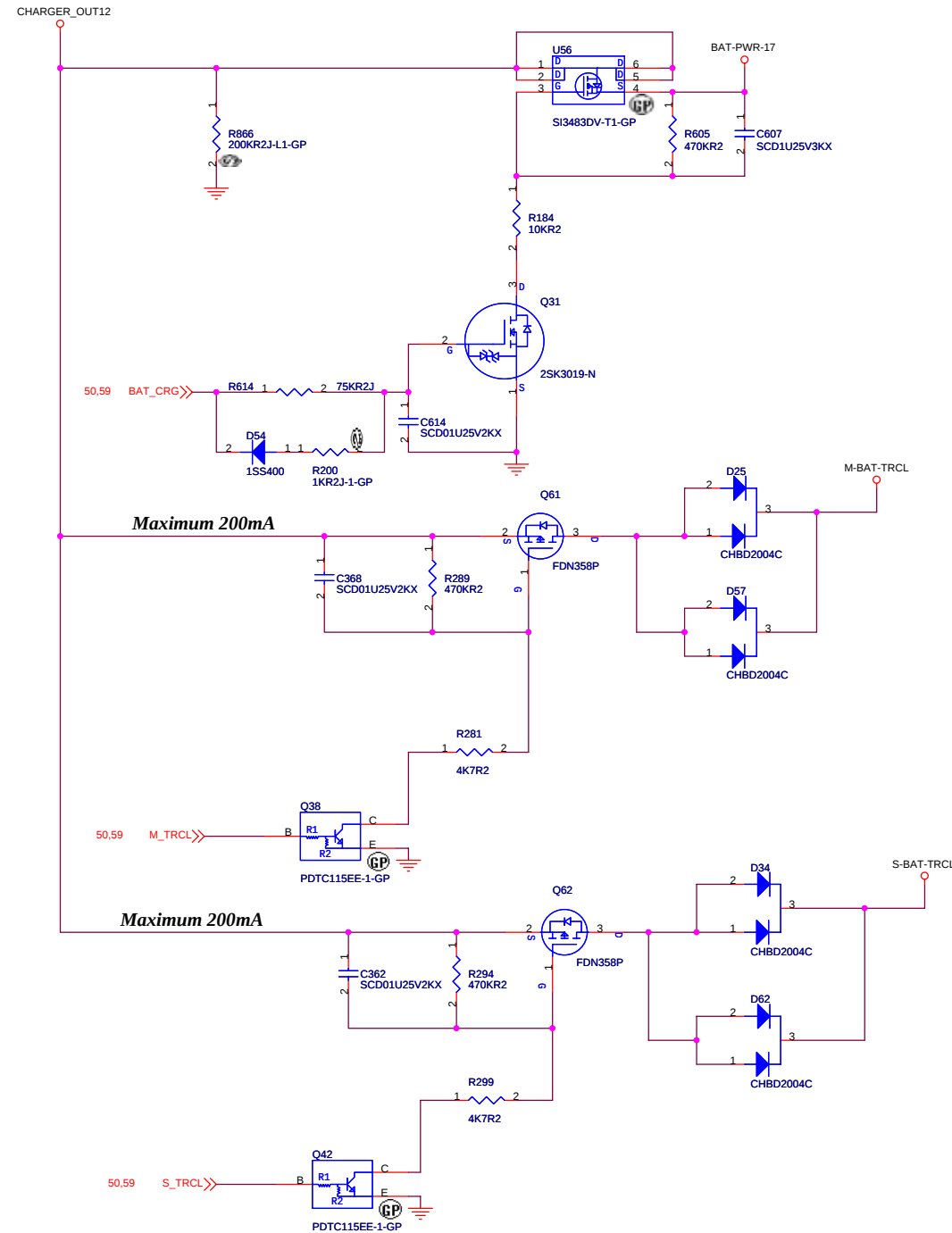
Sheet 57 of 73

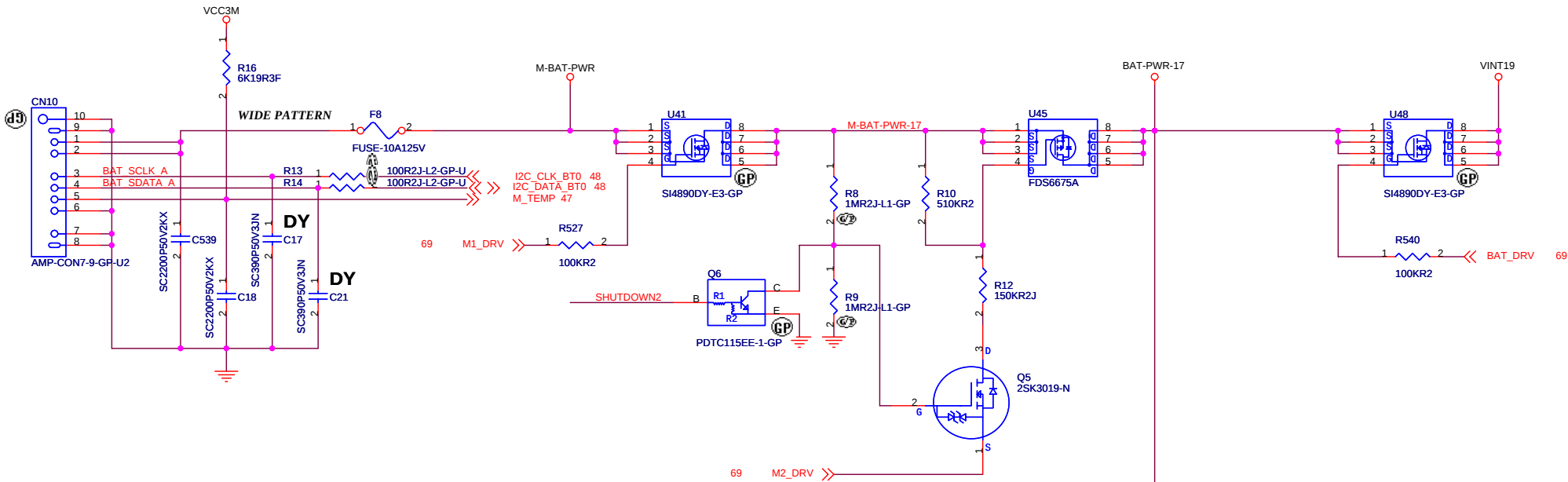


<Variant Name>

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

DC-IN AND CHARGER (1/2)			
Size A3	Document Number	KS Note	Rev SB
Date: Friday, July 22, 2005	Sheet	58	of 73





<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
B

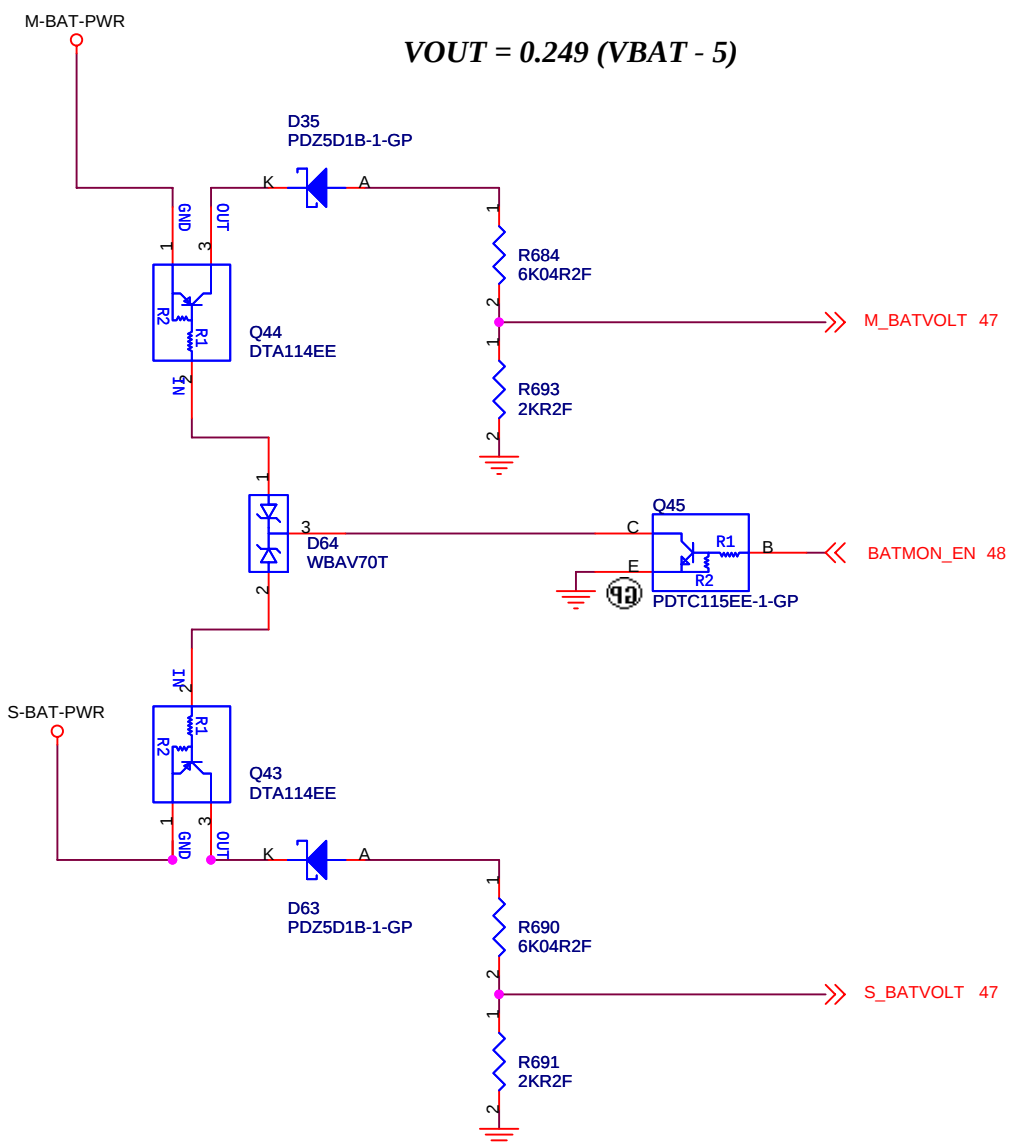
Document Number

KS Note

Rev
SB

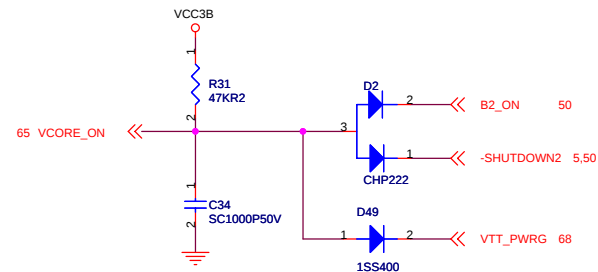
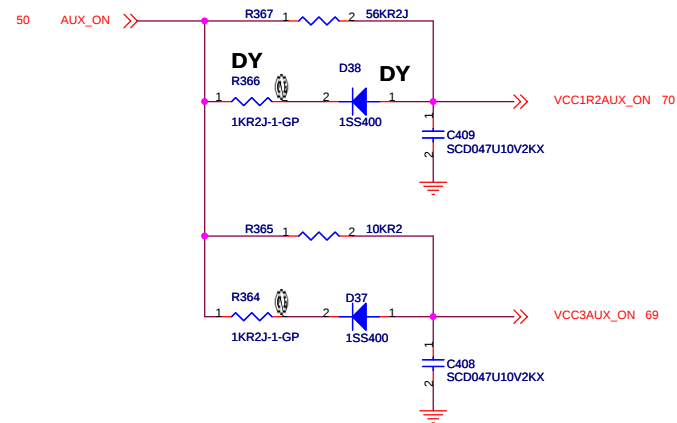
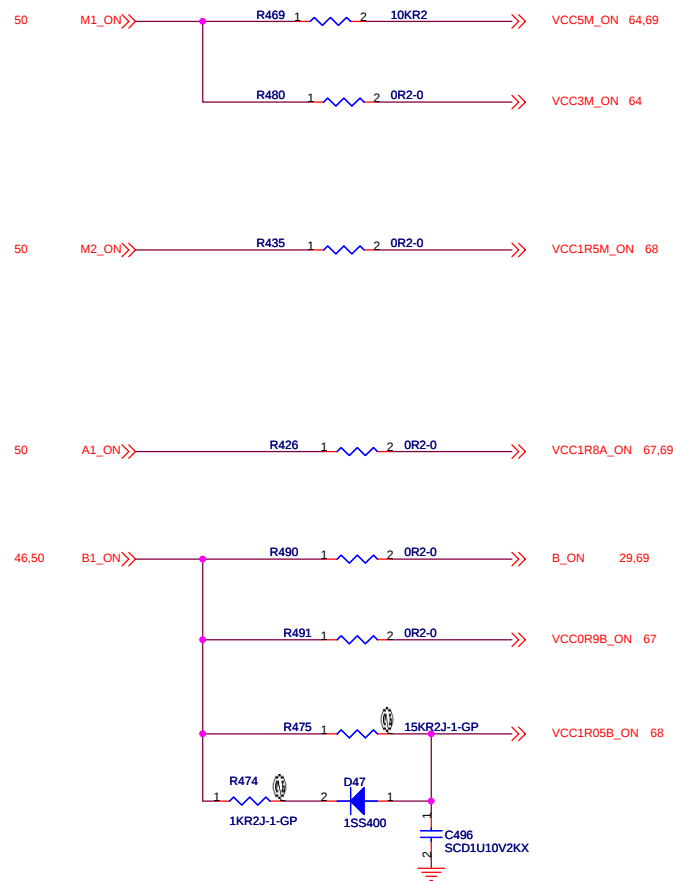
Date: Friday, July 22, 2005

Sheet 61 of 73



<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 A4	Document Number KS Note		Rev SB
Date: Friday, July 22, 2005	Sheet	62 of	73



**6.5A Peak
5.5A Average**

7A

These components should be located near by MAX1977

These components should be located near by MAX1977

$$\begin{aligned} \text{ILIM5: } 5 \times 36.5 / (36.5 + 110) &= 1.245\text{V} \\ 1.245 / 15 &= 8.3\text{A} \\ \text{ILIM3: } 5 \times 22.6 / (22.6 + 110) &= 0.8521\text{V} \\ 0.8521 / 15 &= 5.6\text{A} \end{aligned}$$

100mA MAX. each

Change to 34KR2, 1%

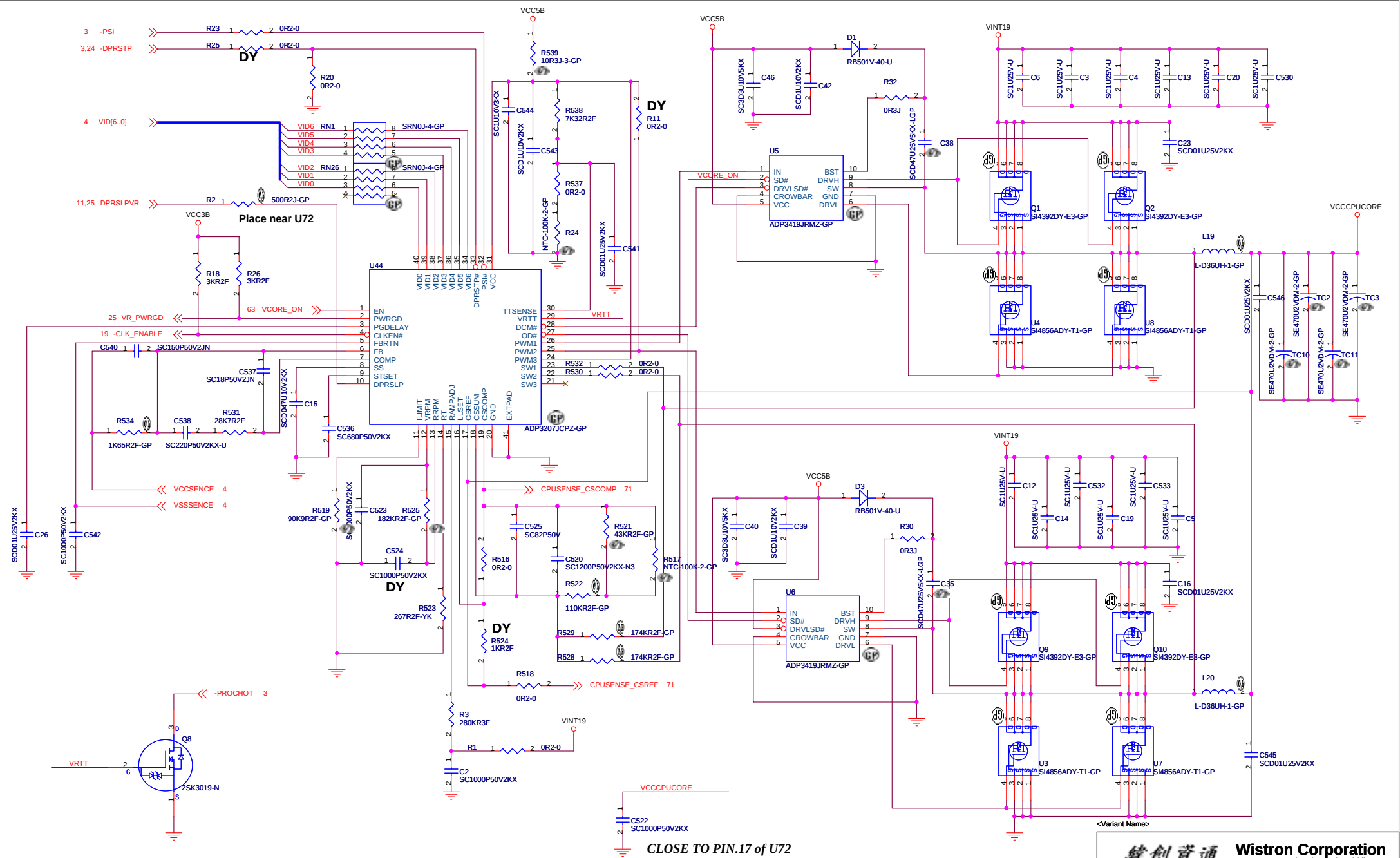
SKIP# = GND : SKIP MODE
SKIP# = REF/Float : Ultrasonic MODE
(25KHz min)

<Variant Name>

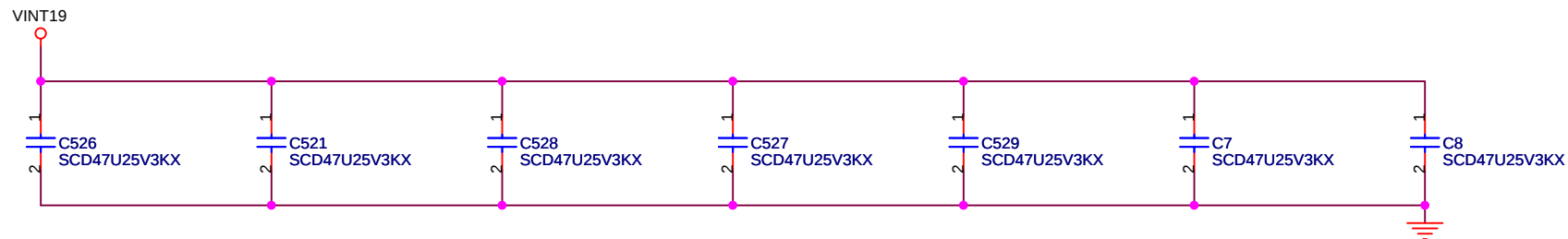
緯創資通 Wistron Corporation
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

VCC3M / VCC5M

Size	Document Number	Rev
A3	KS Note	SB
Date: Friday, July 22, 2005	Sheet 64 of 73	



FOLLOWING 7 PCS OF 0.47UF AREA ASM FOR VCCCPUCORE TO REDUCE EMI



<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 VCORE INPUT CAP

Size
A4

Document Number

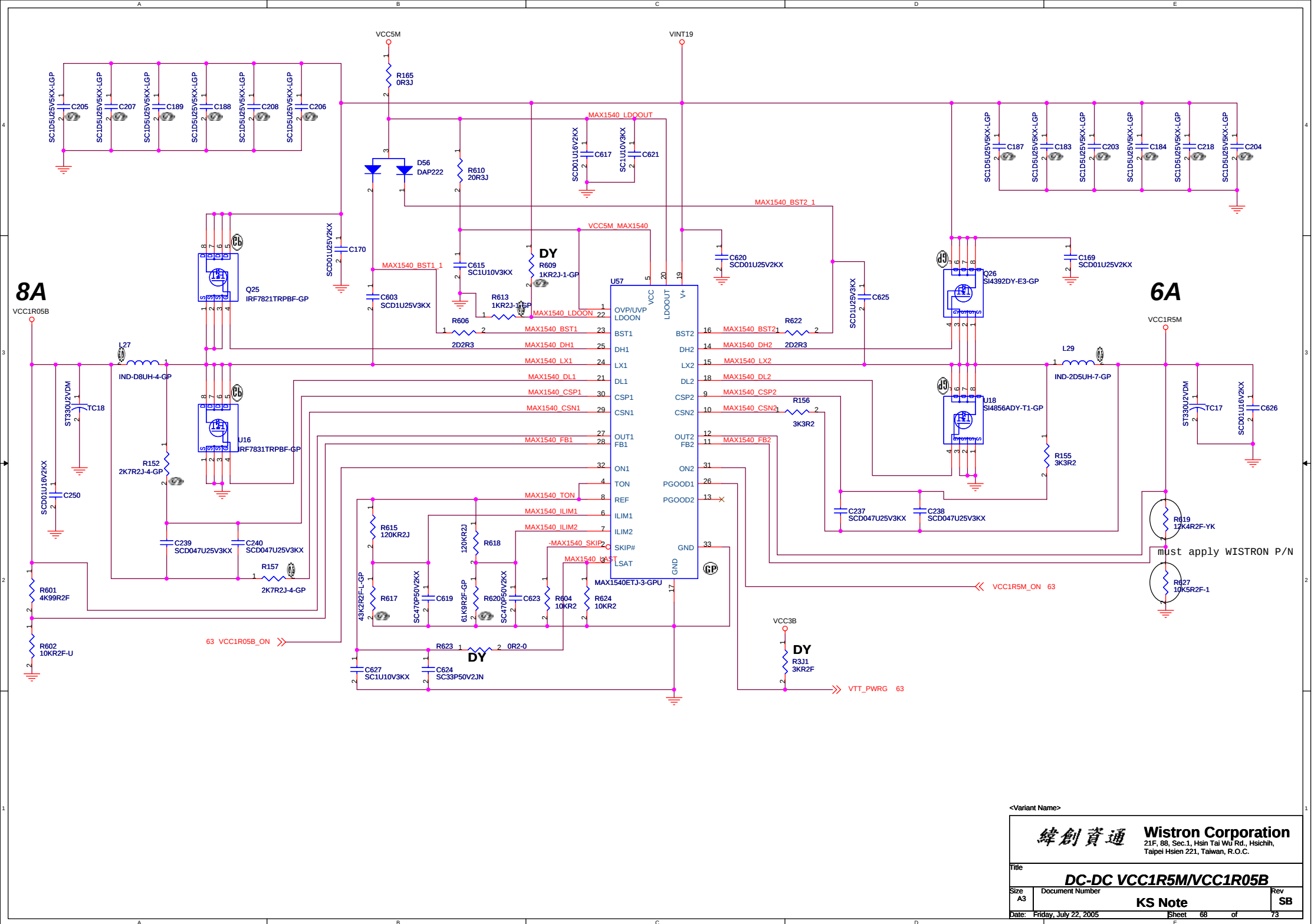
KS Note

Rev
SB

Date: Friday, July 22, 2005

Sheet 66 of 73

Sheet 67 of 73

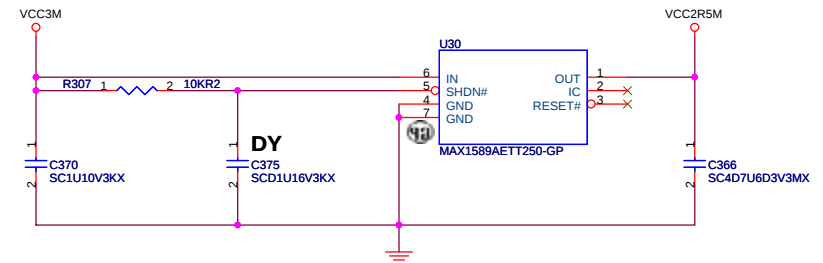
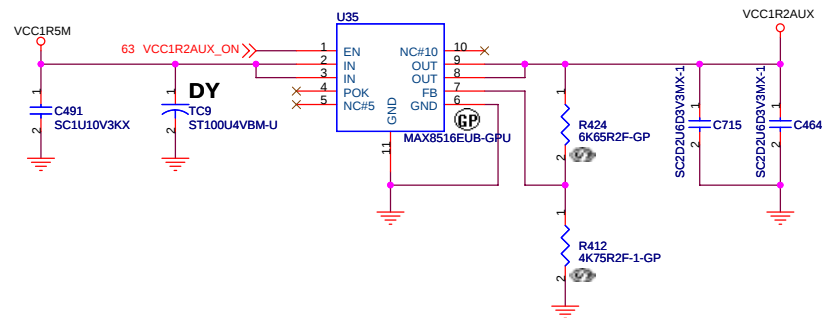


<Variant Name>

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 VCC1R5M/VCC1R05B	
Size	Document Number	Rev	SB
A3			
Date: Friday, July 22, 2005		KS Note	
Sheet 68		of 73	

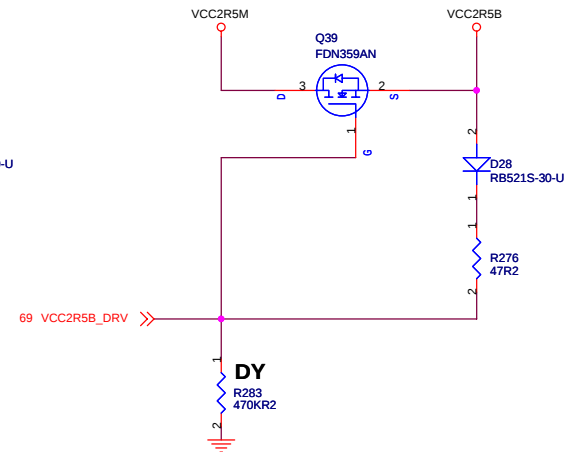
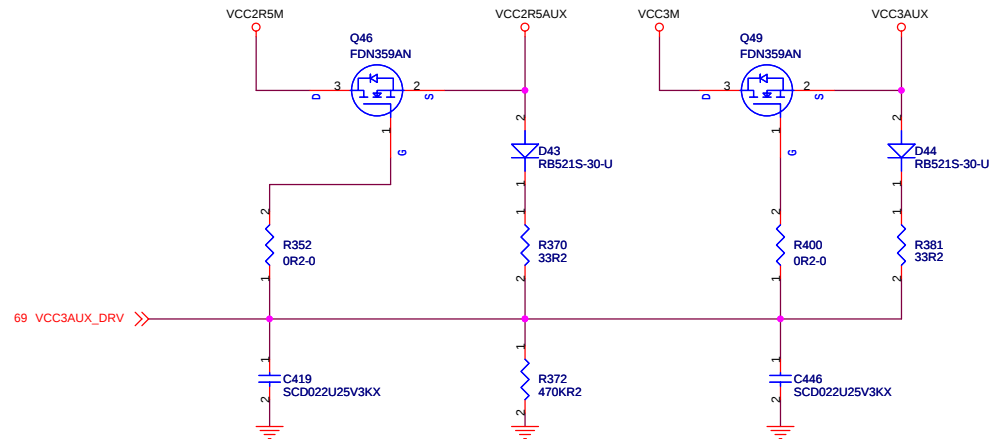
VCC1R2AUX



VCC2R5AUX

VCC3AUX

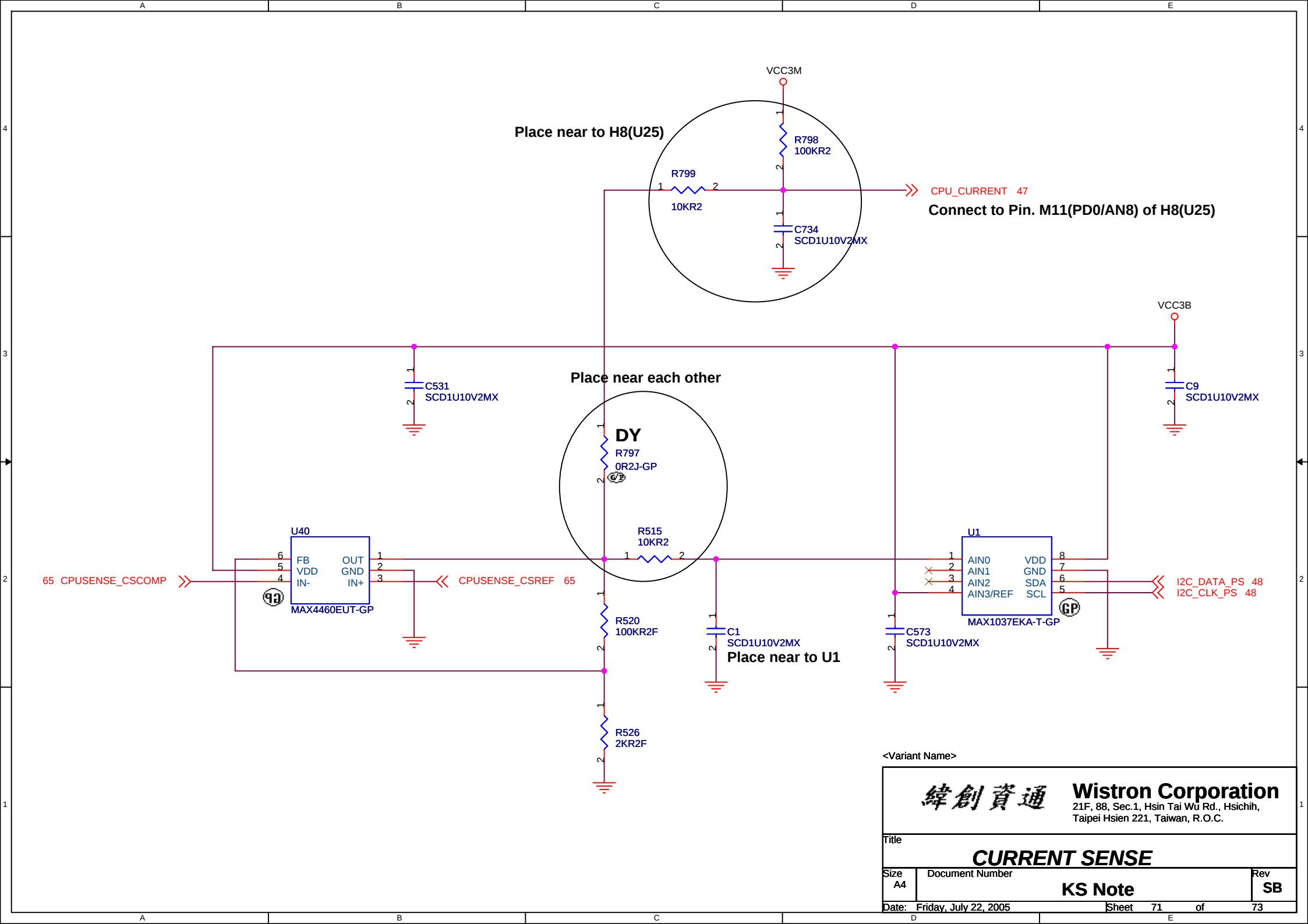
VCC2R5B



<Variant Name>

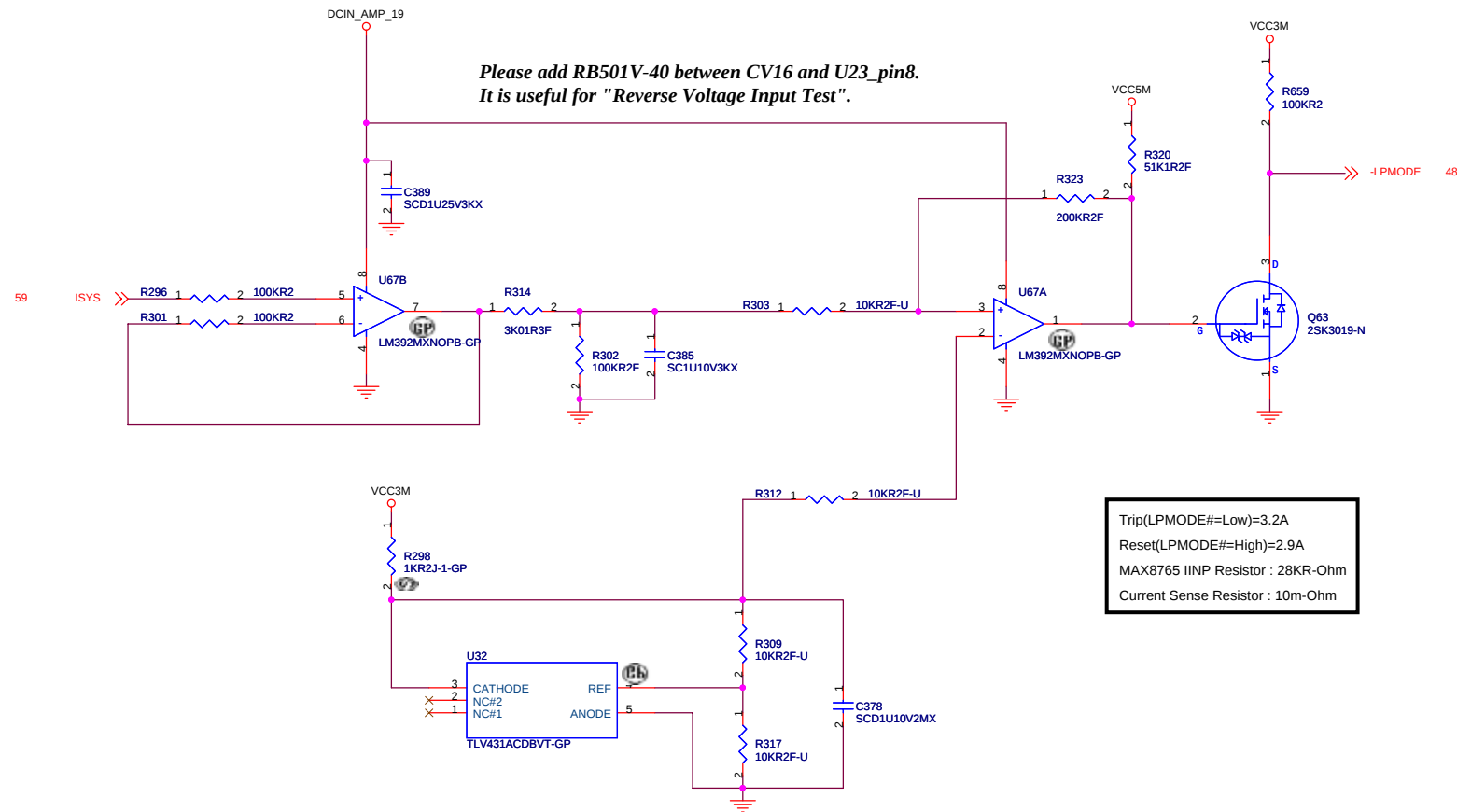
緯創資通 **Wistron Corporation**
21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih,
Taipei Hsien 221, Taiwan, R.O.C.

Title			
LOAD SW			
Size A3	Document Number		Rev SB
Date: Friday, July 22, 2005		KS Note	
Sheet		70 of 73	



<Variant Name>

		Wistron Corporation 21F, 88, Sec.1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R.O.C.	
Title CURRENT SENSE			
Size A4	Document Number		Rev SB
Date: Friday, July 22, 2005		Sheet 71 of 73	



<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

MAX POWER CONTROL

Size
A3

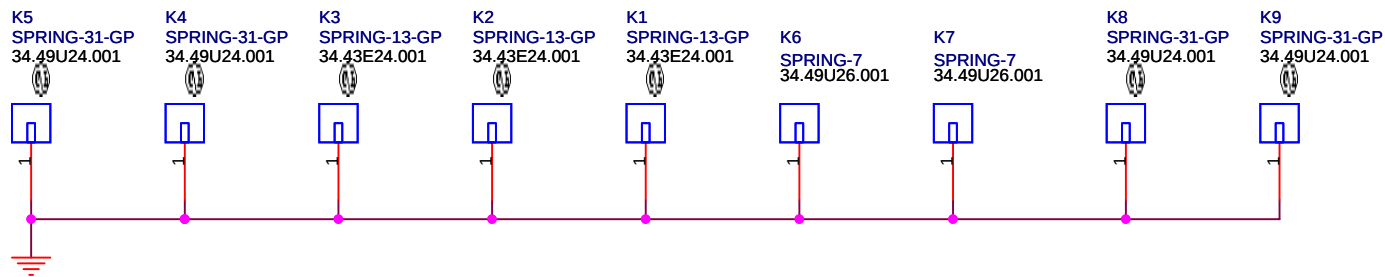
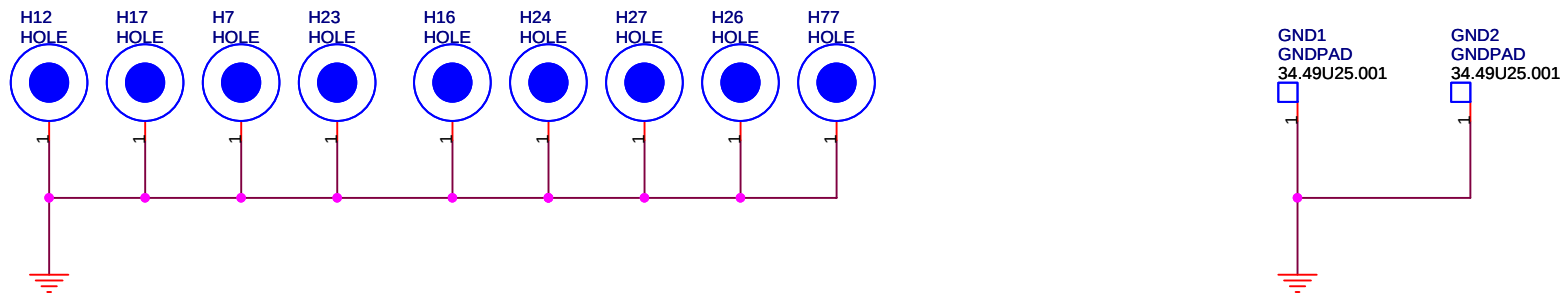
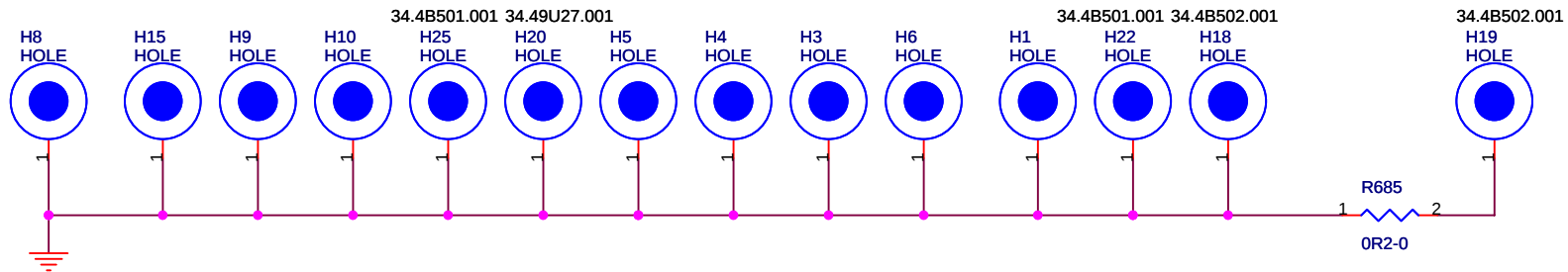
Document Number

KS Note

Rev
SB

Date: Friday, July 22, 2005

Sheet 72 of 73



<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

HOLES/GND/PADS

Size
A4

Document Number

KS Note

Rev
SB

Date: Friday, July 22, 2005

Sheet 73 of 73