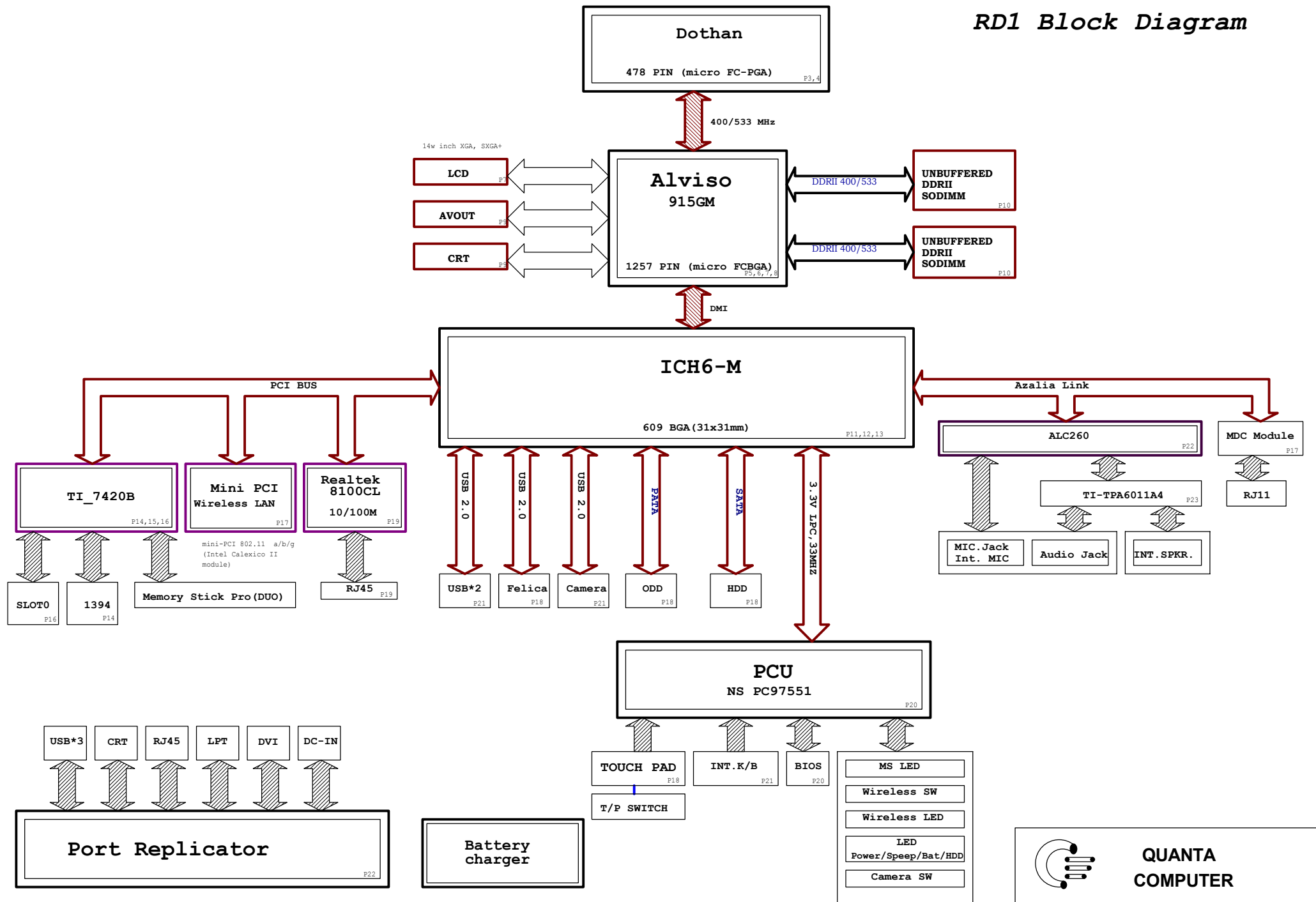
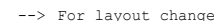


RD1 Block Diagram





96MHz SST Table :

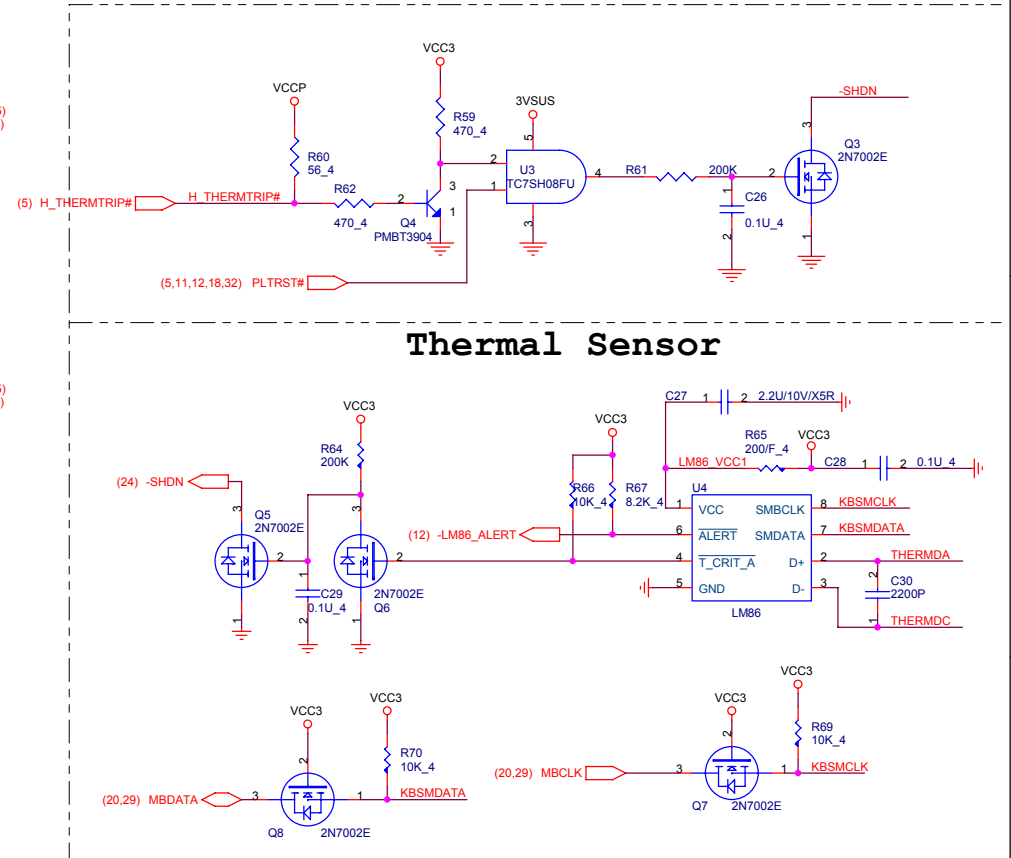
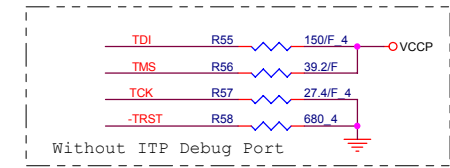
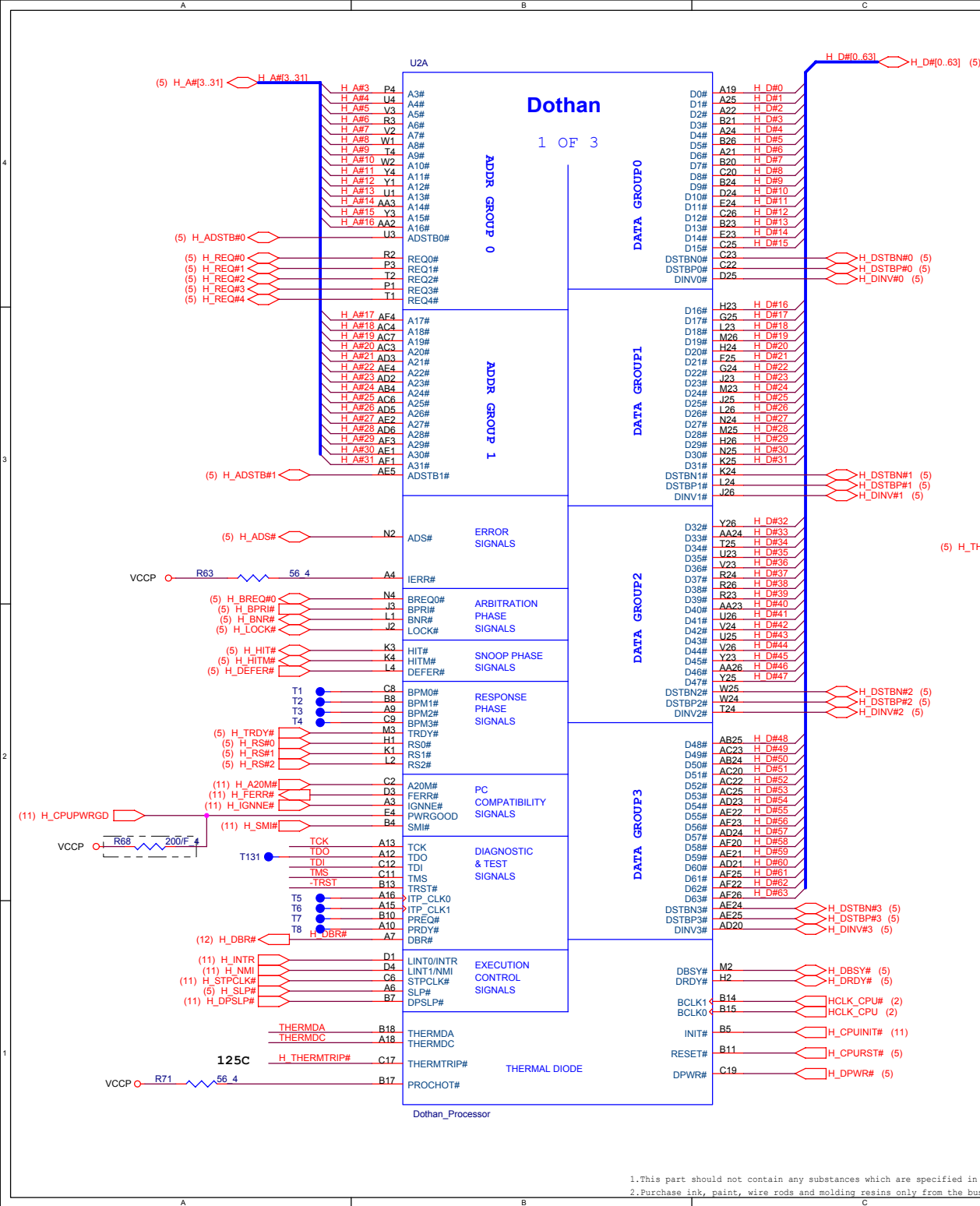


QUANTA
COMPUTER

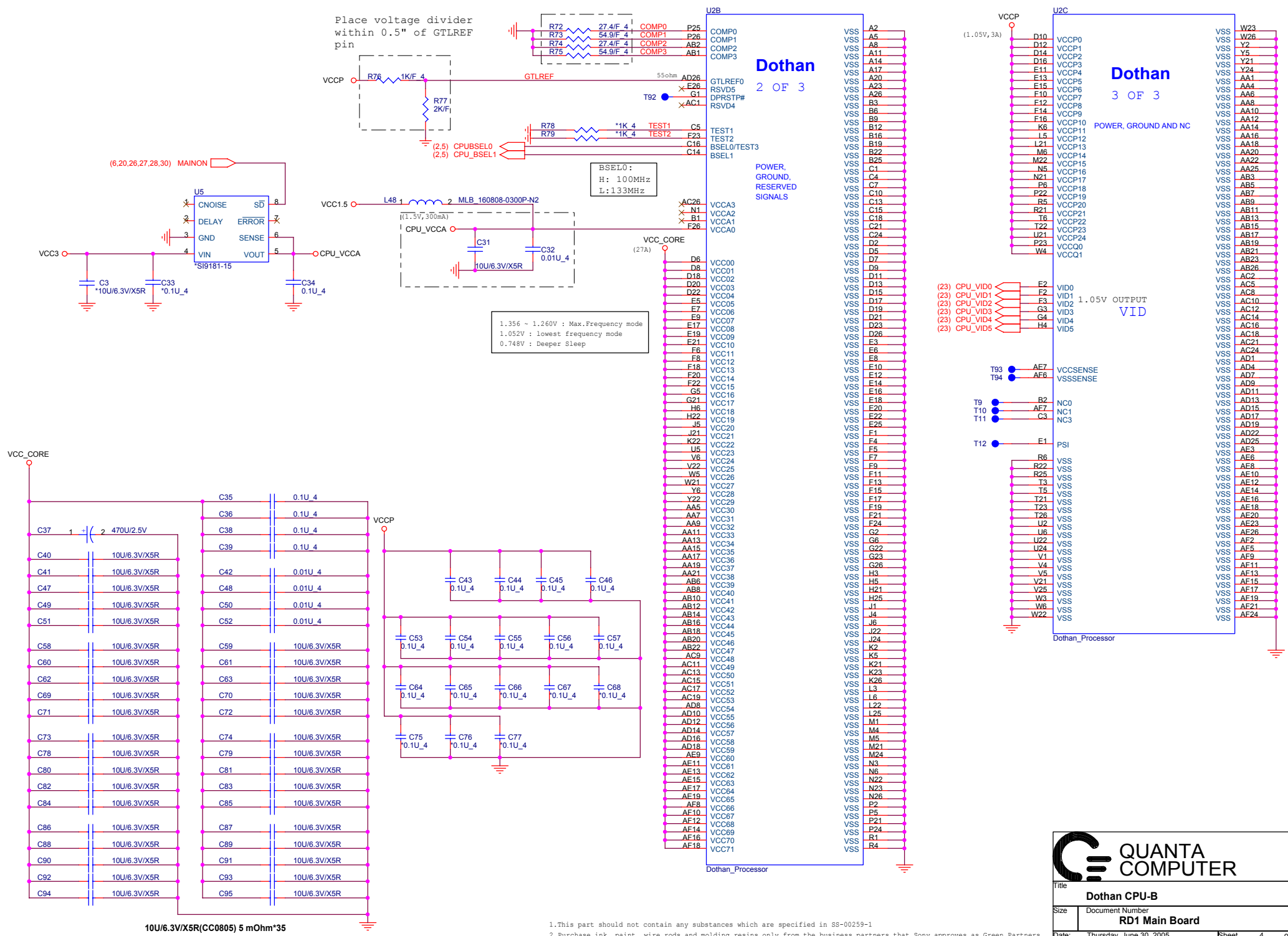
Size	Document Number
Custom	RD1 Main Board

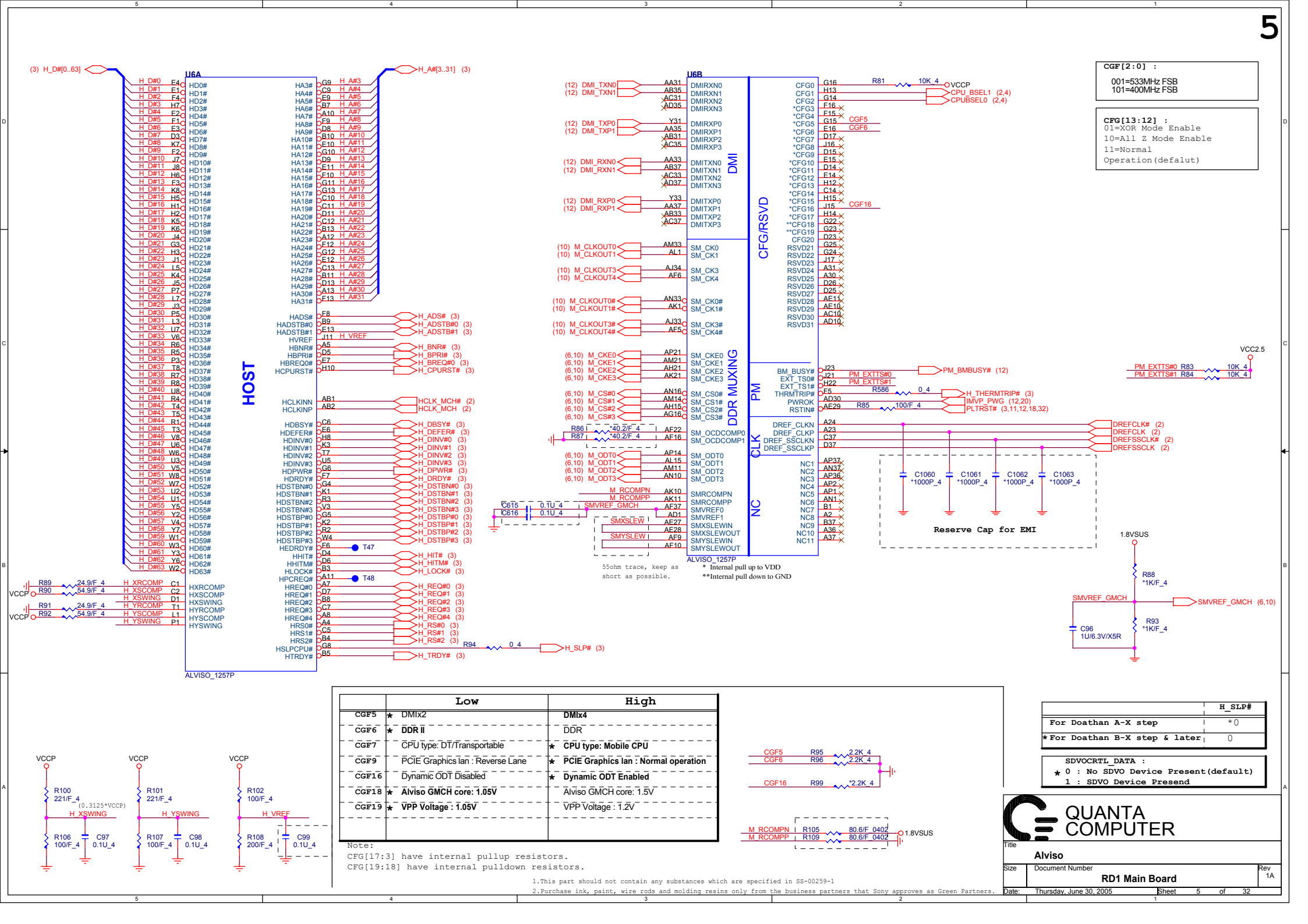
Date: Thursday, June 30, 2005 Sheet 2 of 32

1. This part should not contain any substances which are specified in SS-00259-1

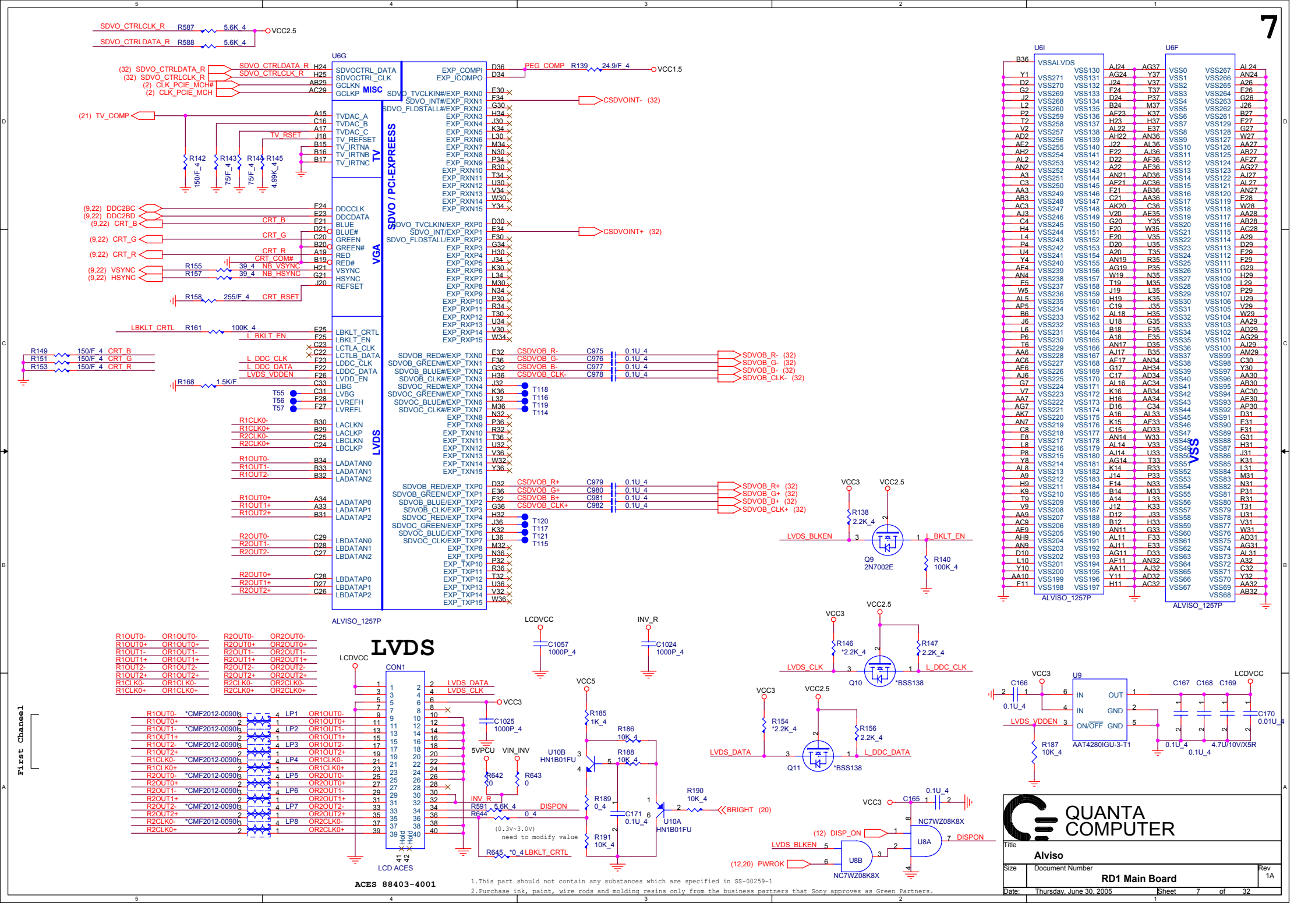


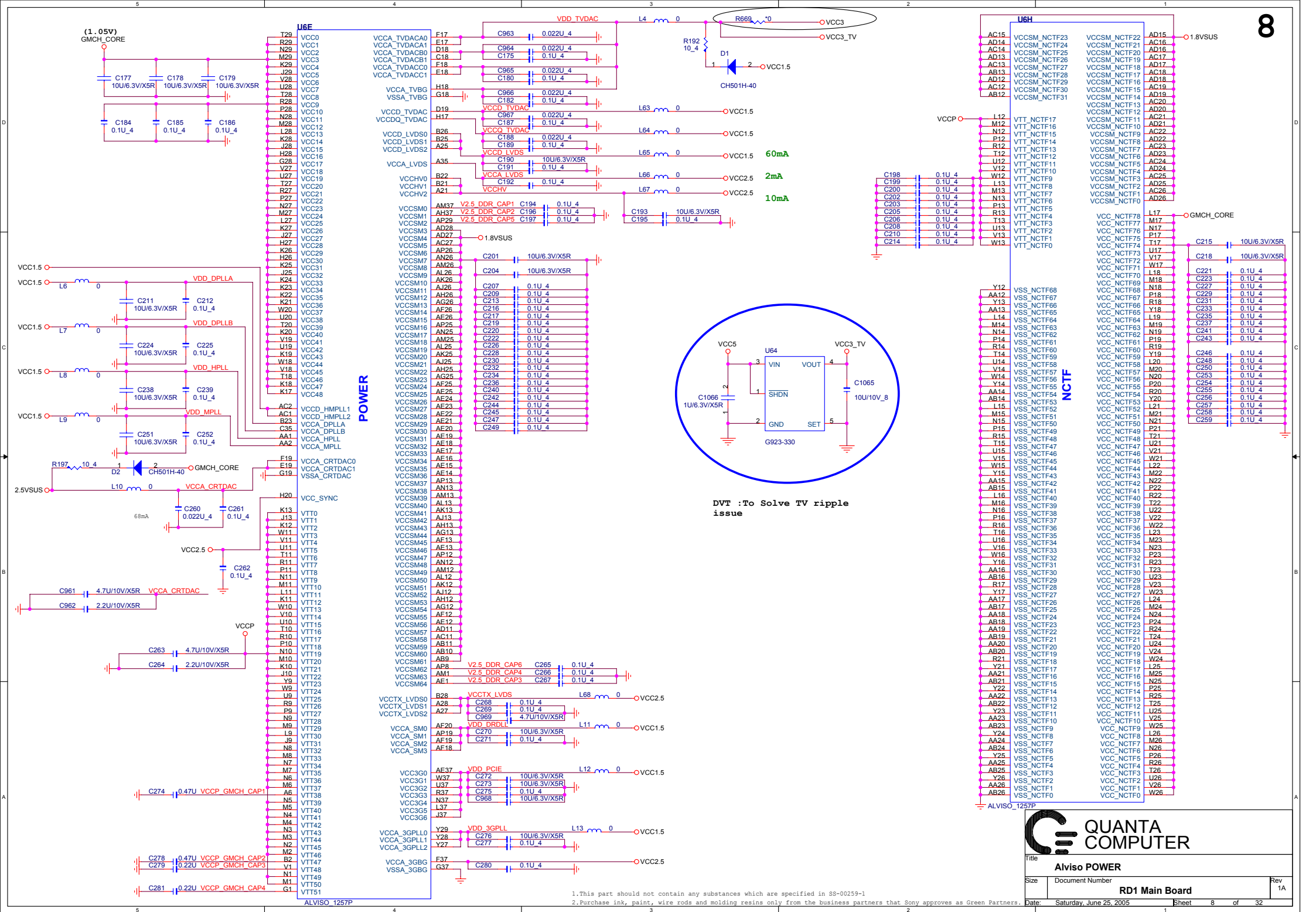
 QUANTA COMPUTER				
Title				
Dothan CPU - A				
Size	Document Number			Rev
Custom	RD1 Main Board			1A
Date:	Thursday, June 30, 2005		Sheet	3 of 32
			E	

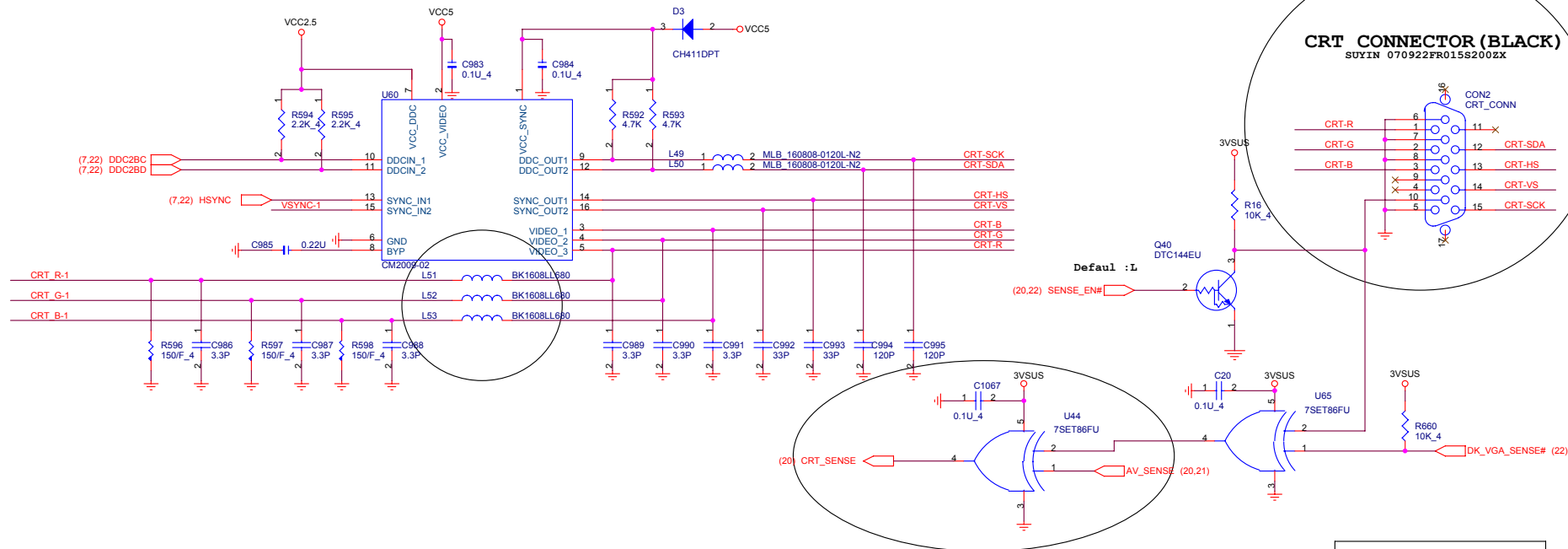




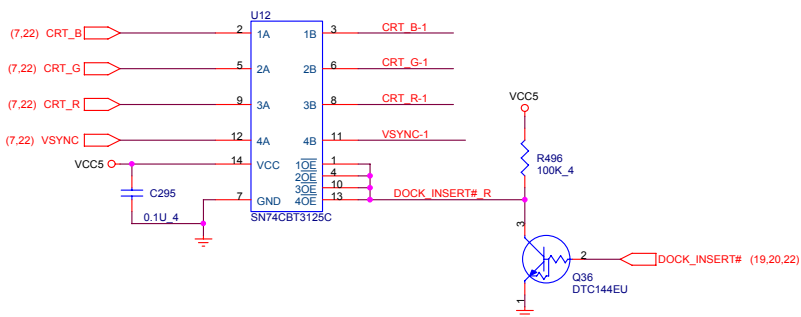








Close to PR-CONN



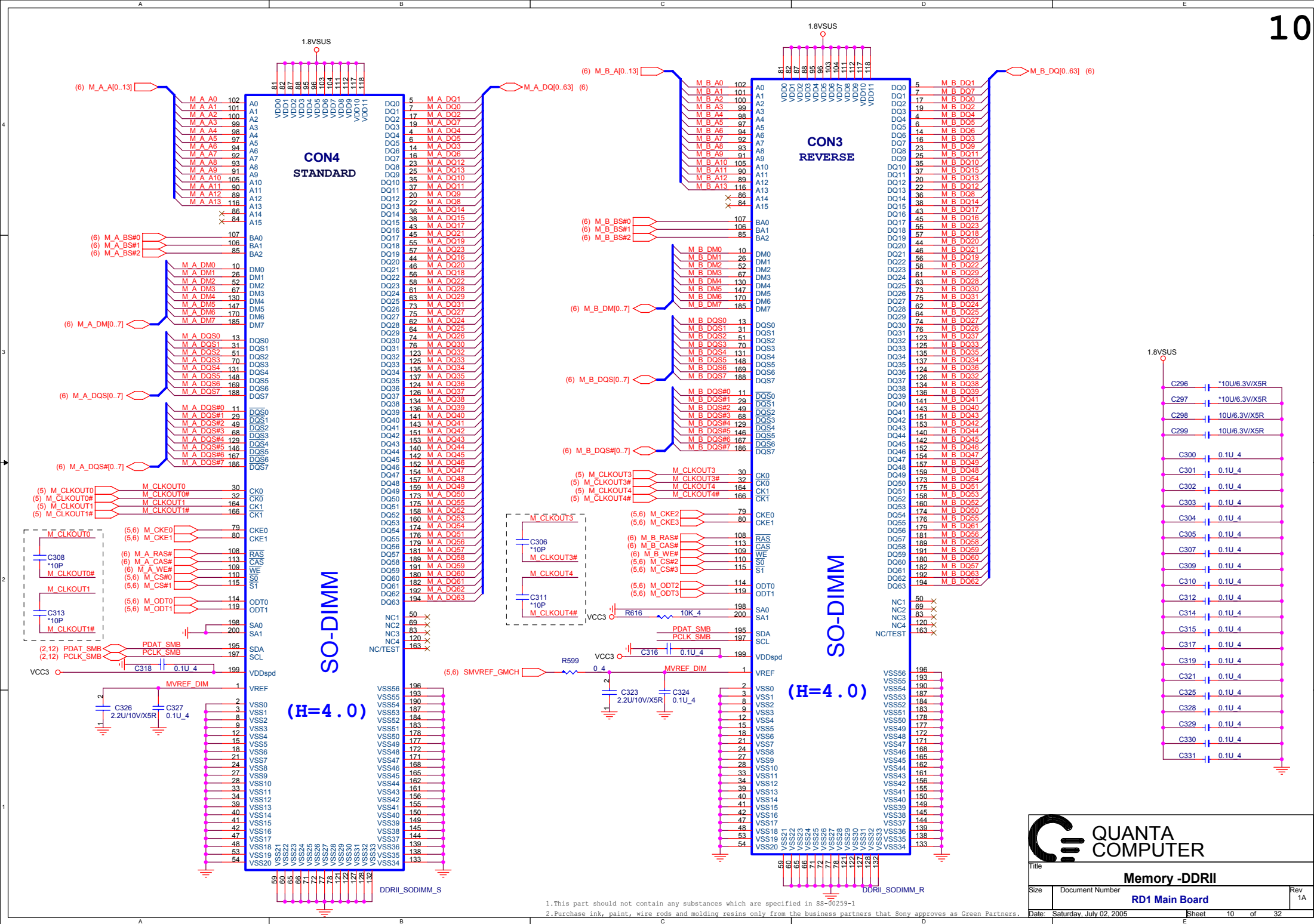
Plug Display true table

DOCK_INSERT#	SENSE_EN#	MB CRT	DK_VGA_SENSE#	DOCK DVI	DOCK CRT	AV_SENSE	CRT_SENSE
H	L	H	H	X	X	L	L
H	L	L	H	X	X	L	H
H	L	H	H	X	X	H	H
H	L	L	H	X	X	H	L
L	L	H	H	L	L	L	H
L	L	H	L	H	H	L	H
L	L	H	H	L	H	H	H
L	L	H	H	H	L	L	L
L	L	H	L	H	H	H	L
L	L	H	L	L	L	H	L
L	L	H	H	H	L	H	H
X	H	X	X	X	X	X	L



Title			Rev
CRT /AV OUT			1A
Size	Document Number	RD1 Main Board	
Date:	Thursday, June 30, 2005	Sheet	9 of 32

1.This part should not contain any substances which are specified in S8-00259-1
2.Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.



QUANTA COMPUTER

Memory -DDR4

RD1 Main Board

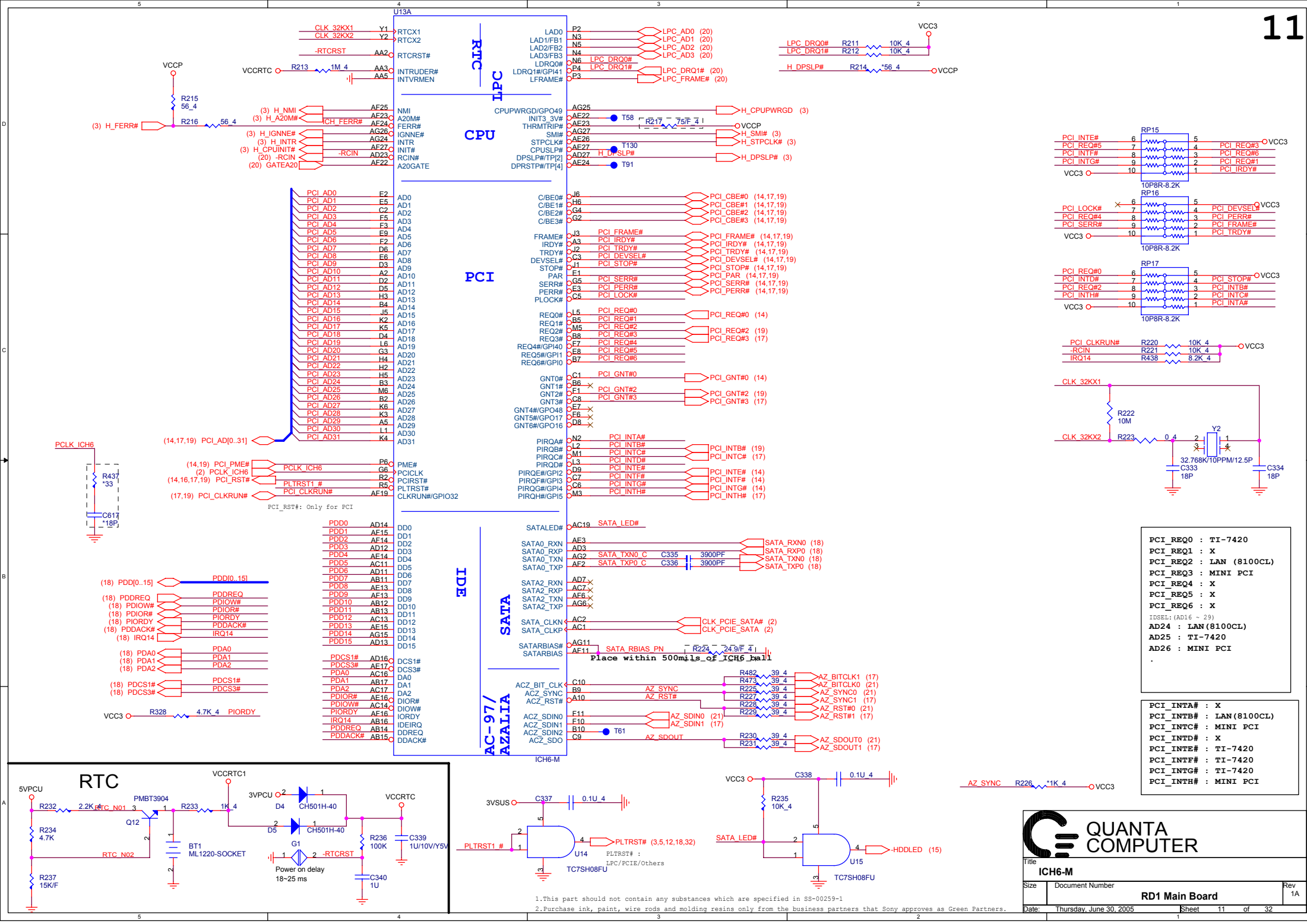
Rev 1A

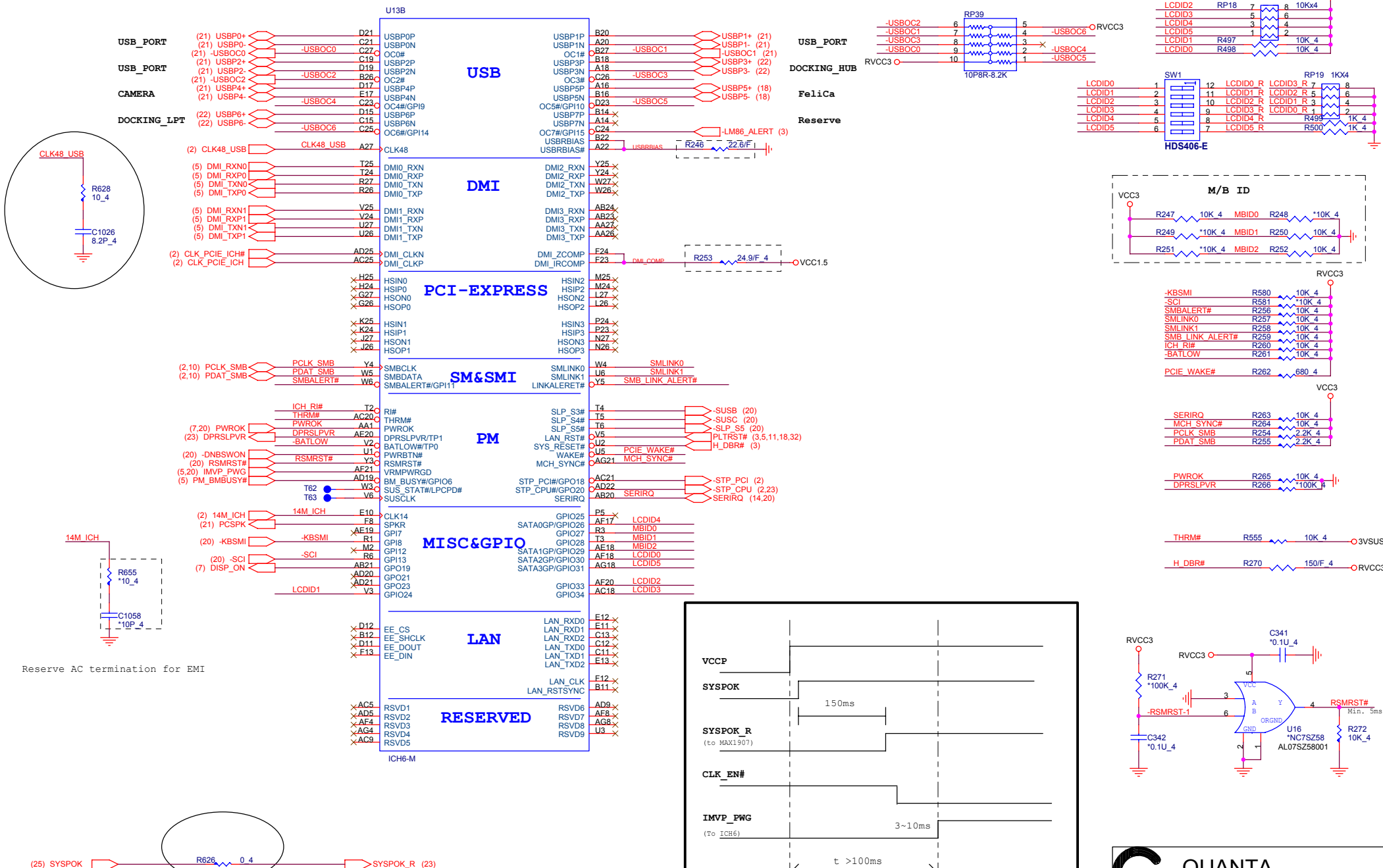
Date: Saturday, July 02, 2005

Sheet 10 of 32

1. This part should not contain any substances which are specified in SS-00259-1

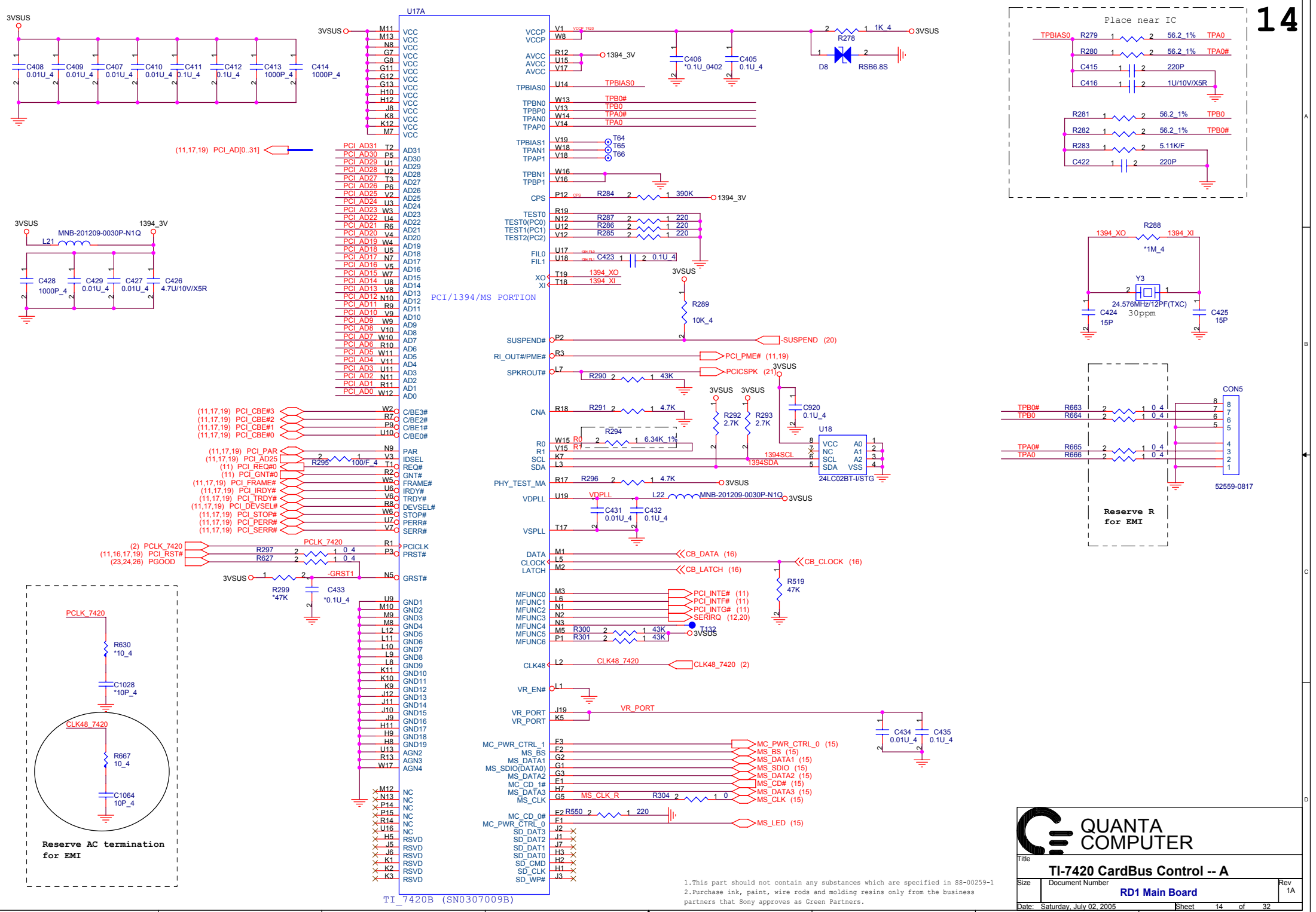
2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.







2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partner





QUANTA
COMPUTER

Title

TI-7420 CardBus Control -- A

Size

Document Number

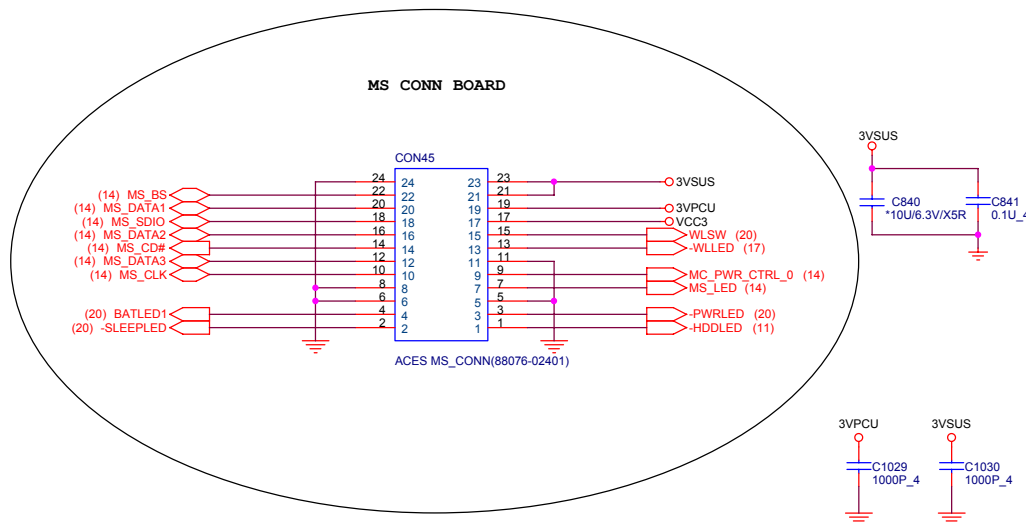
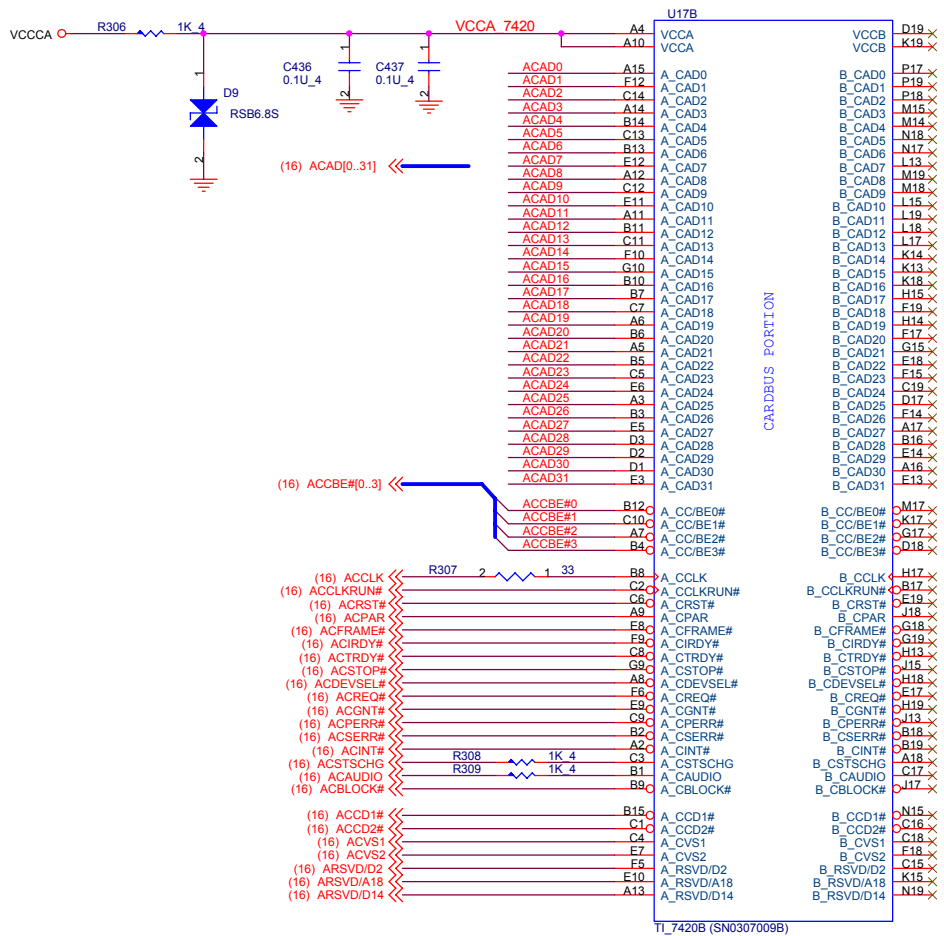
RD1 Main Board

Rev
1A

Date: Saturday, July 02, 2005

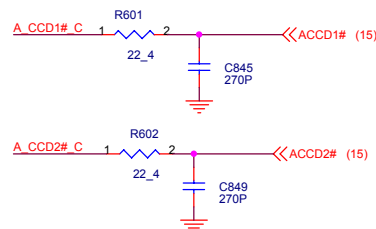
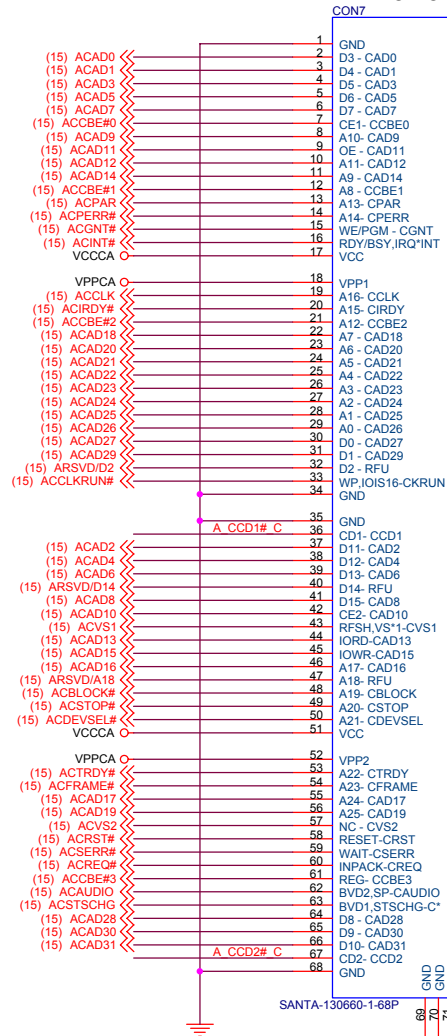
Sheet 14 of 32

MB side : ACES 88076-02401 with boss
MS side : ACES 88066-02401 with boss
H=2.0mm

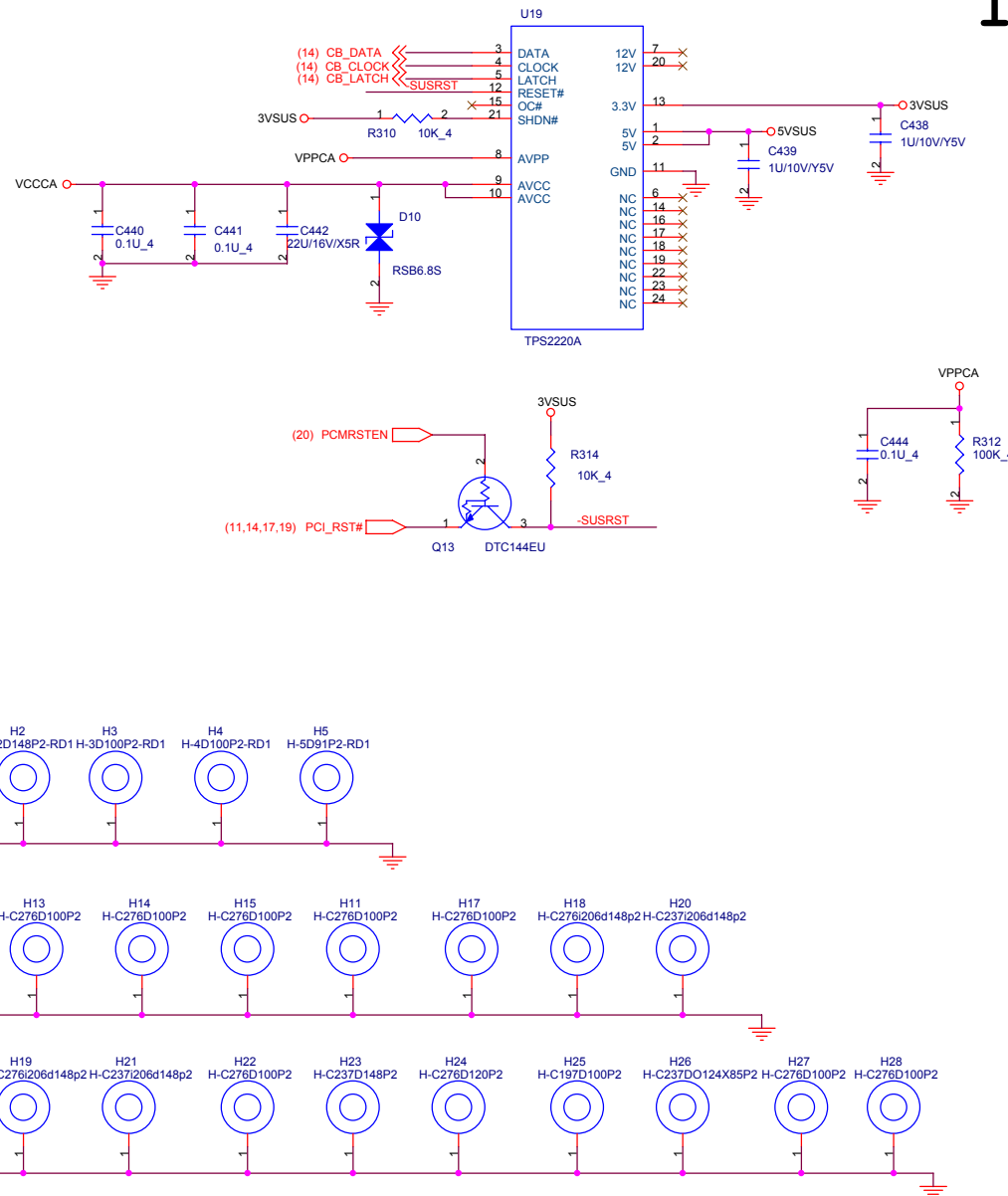


(15) ACAD[0..31] << <<
(15) ACCBE#[0..3] << <<

PCMCIA SOCKET



CardBus inject : 130660-1 , FB0A6063017
CardBus CONN : 130610-1



QUANTA
COMPUTER

Title

CARDBUS SLOT

Size Document Number

RD1 Main Board

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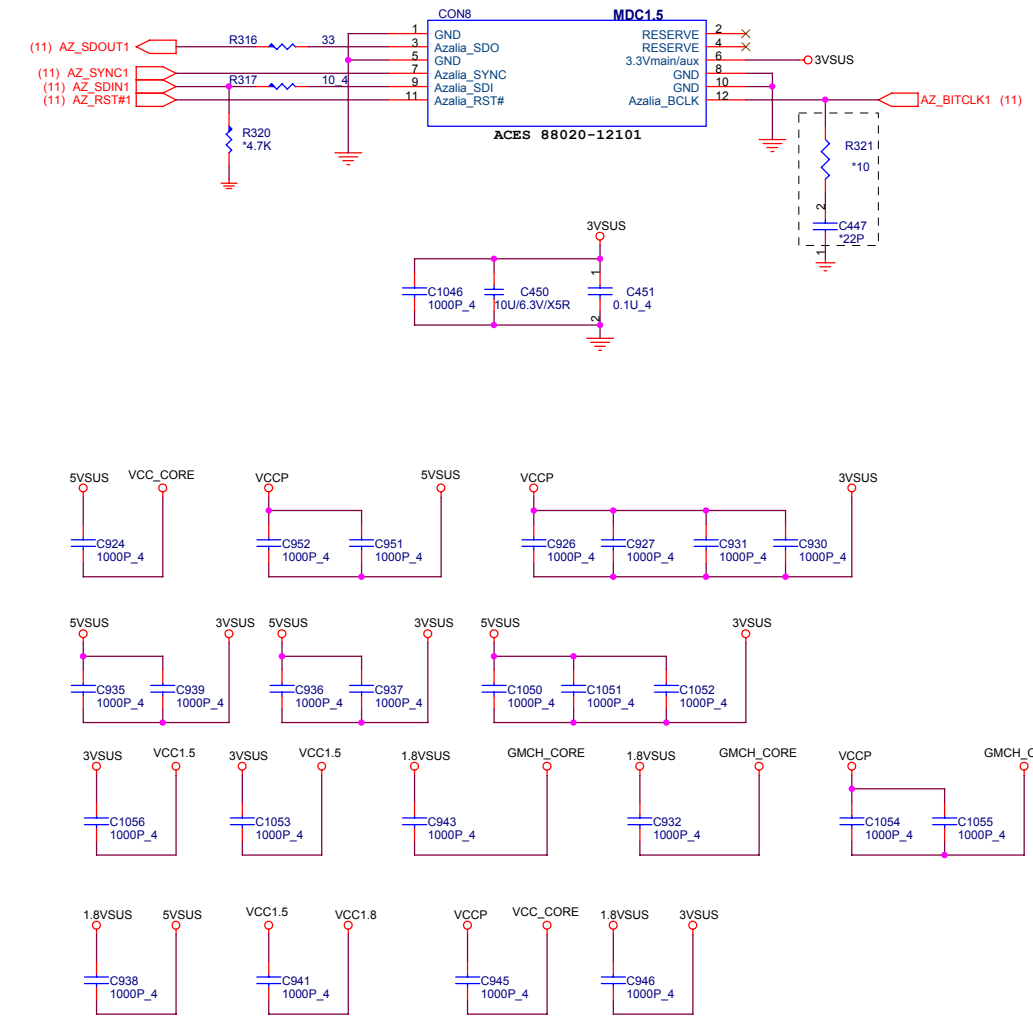
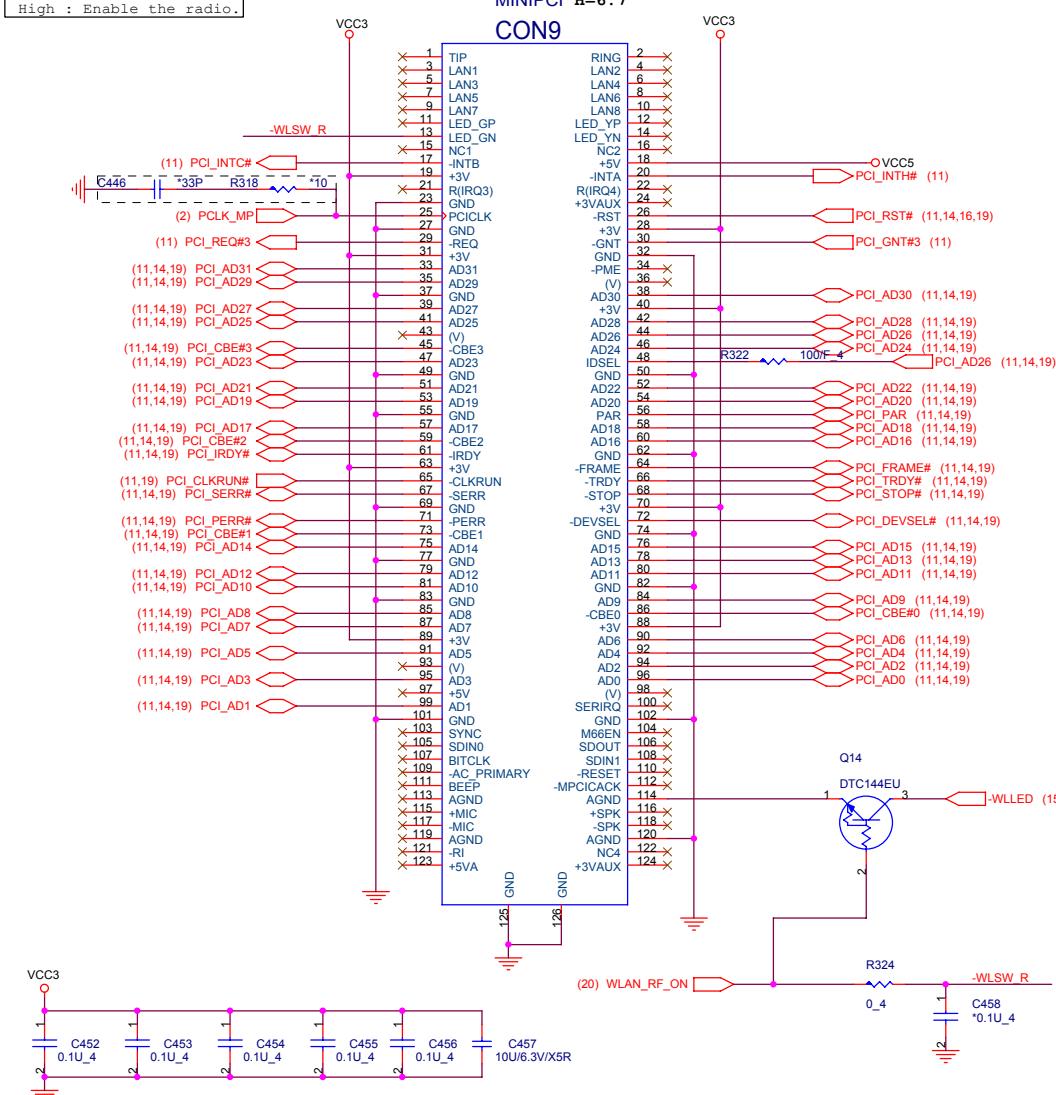
Rev 1A

1.This part should not contain any substances which are specified in SS-00259-1
2.Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.

MDC V1.5

LED_GP :LED WLEN LINK
Output Current : 7mA
Blink rate : 1 flash
per every 3 sec.
WLSW:
Low : disable the radio.
High : Enable the radio.

AMP 1734835-2
MINIPCI H=6.7
CON9



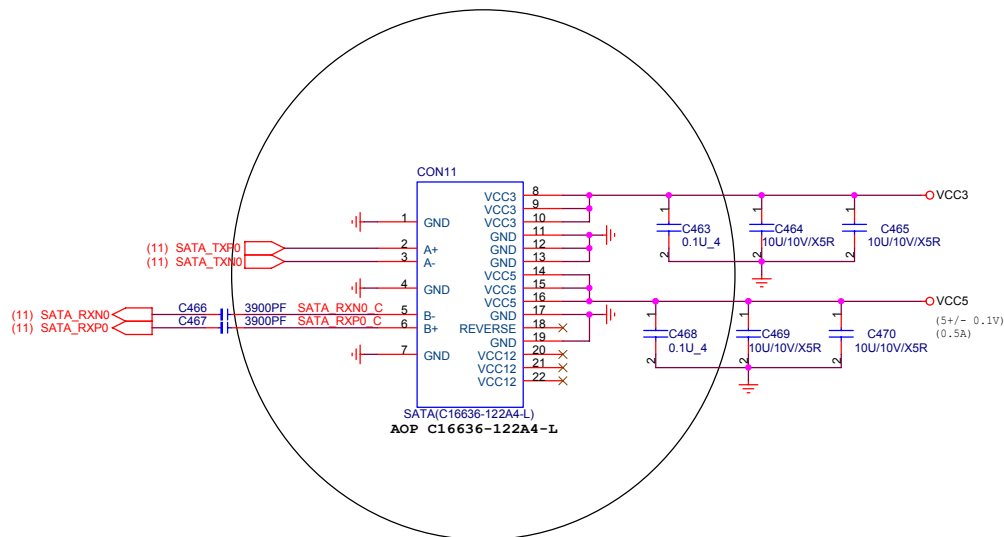


QUANTA
COMPUTER

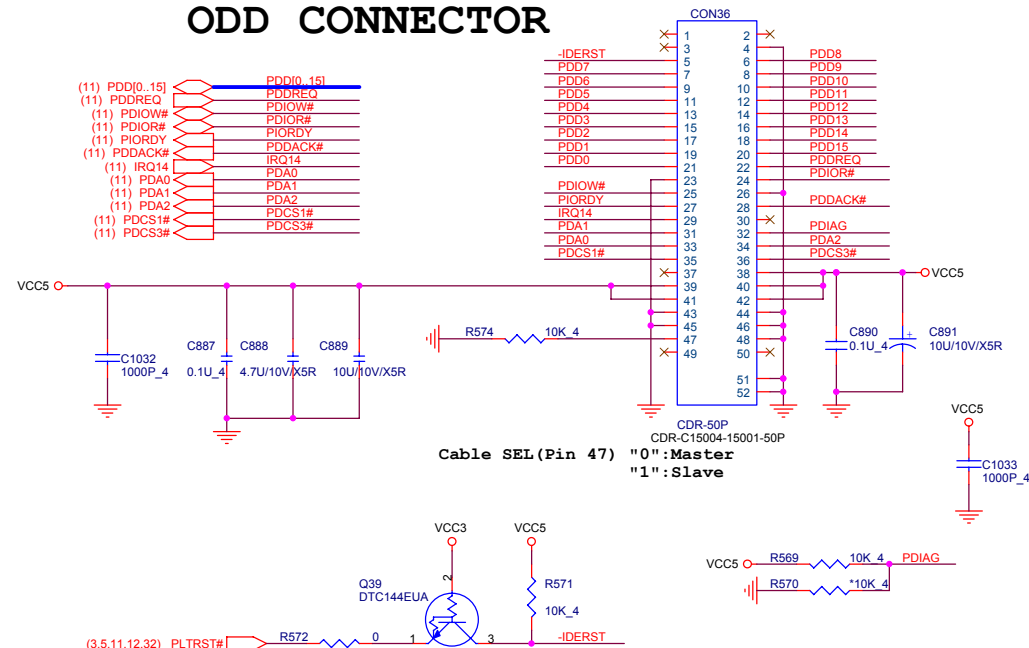
Title MINIPCI /MDC		
Size	Document Number RD1 Main Board	Rev 1A
Date	Thursday, June 30, 2005	Sheet 17 of 32

1.This part should not contain any substances which are specified in SS-00259-1
2.Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.

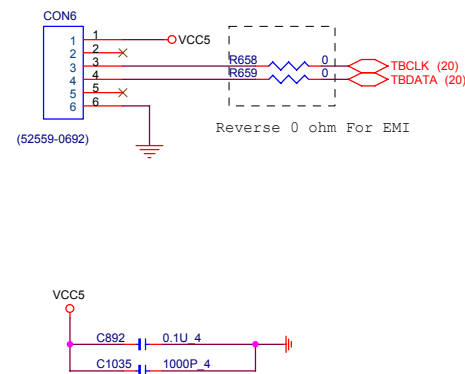
HDD CONNECTOR



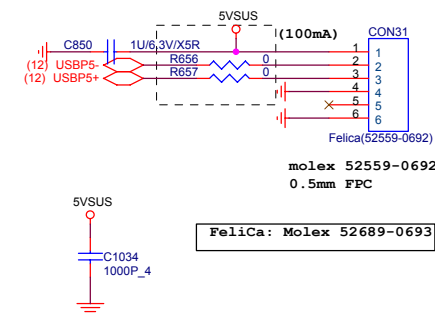
ODD CONNECTOR



TOUCH PAD CONNECTOR



FeliCa



QUANTA
COMPUTER

Title

HDD/ODD/TP/FeliCa

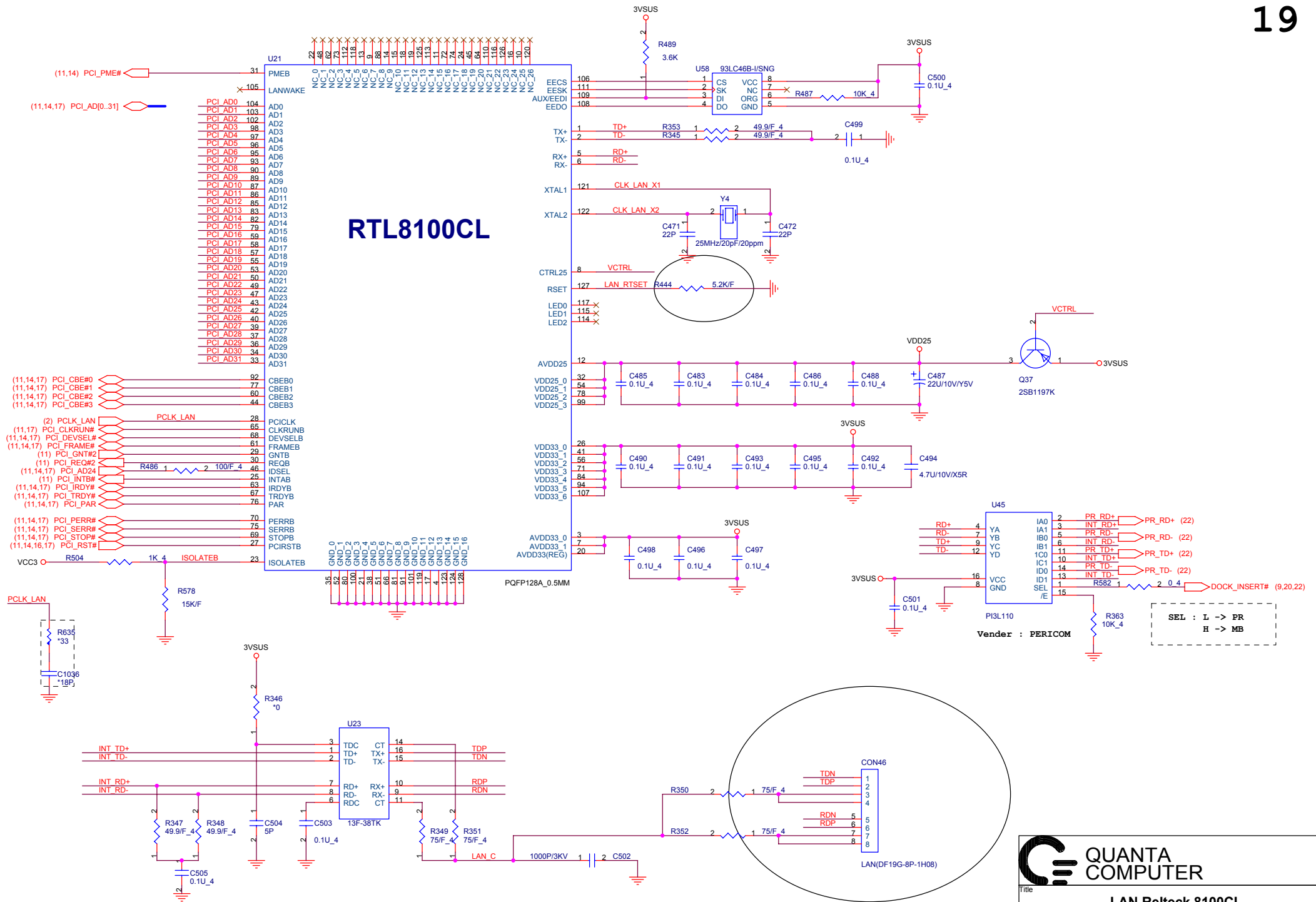
Size Document Number

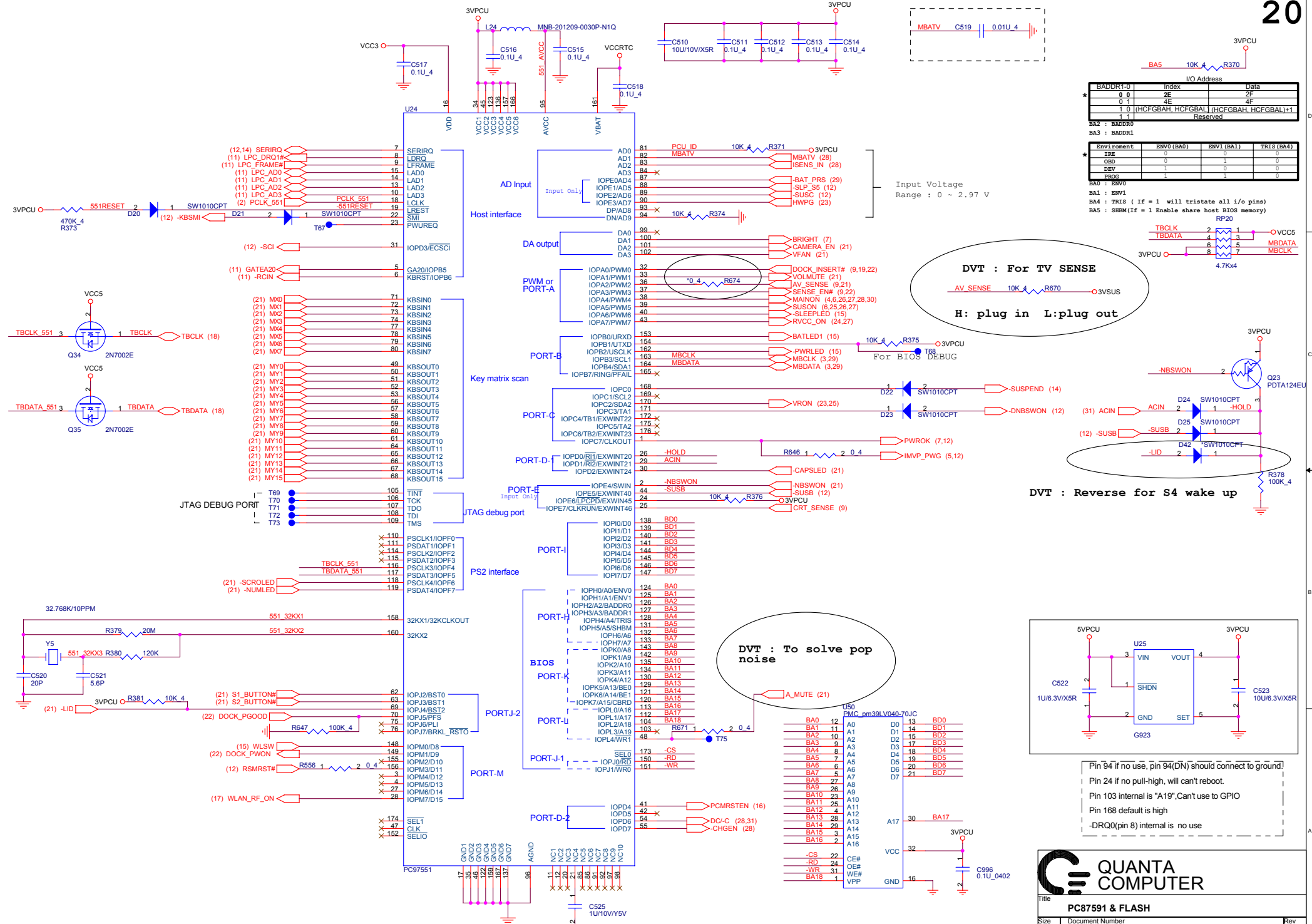
Rev 1A

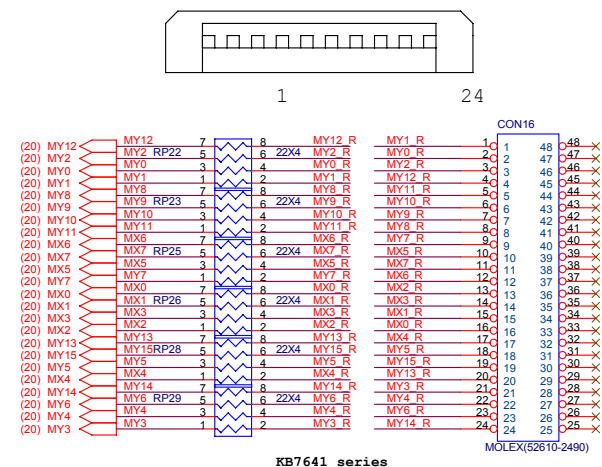
Date: Saturday, July 02, 2005

Sheet 18 of 32

1.This part should not contain any substances which are specified in SS-00259-1
2.Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.

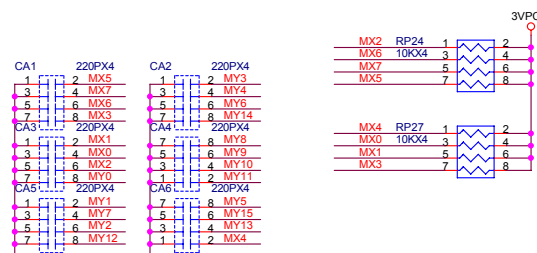




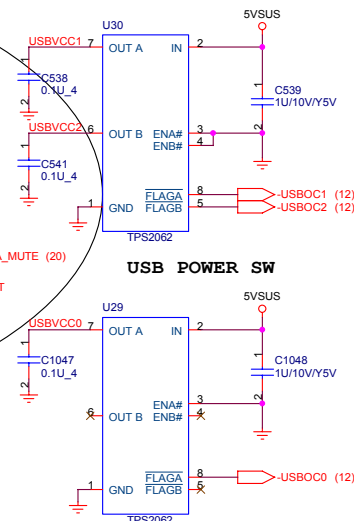
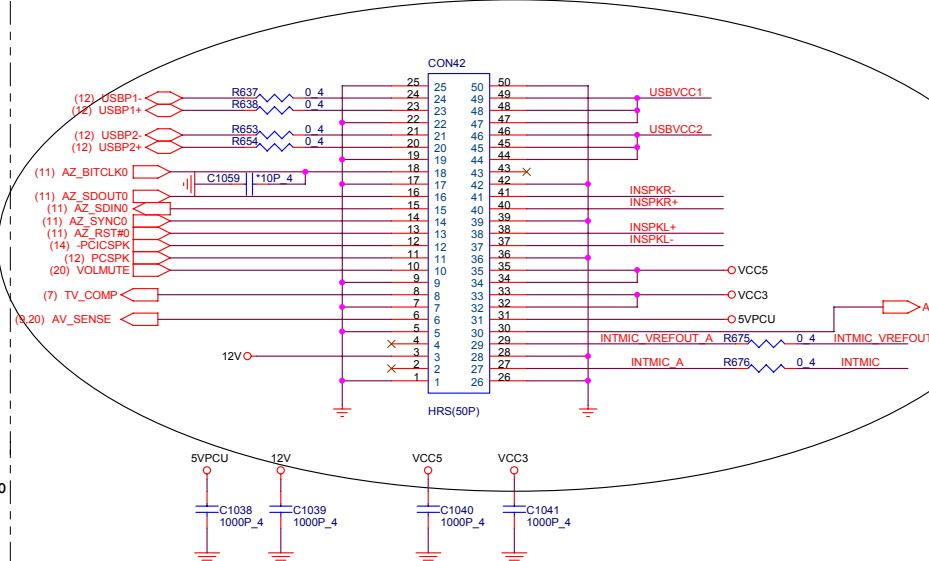


KB7641 series

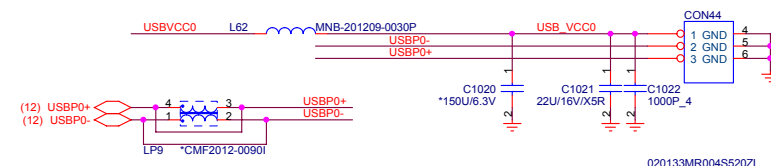
Molx 52610-2490



DVT : For EMI

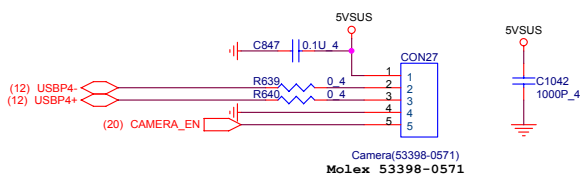


USB POWER SW

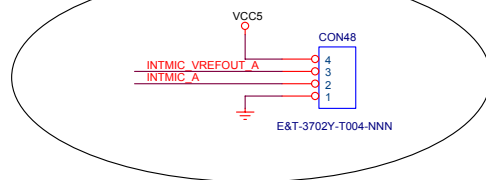


020133MR004S520ZL

USB Camera

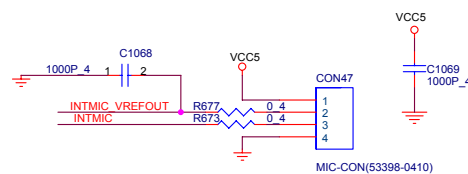


Camera(53398-0571)
Molex 53398-0571



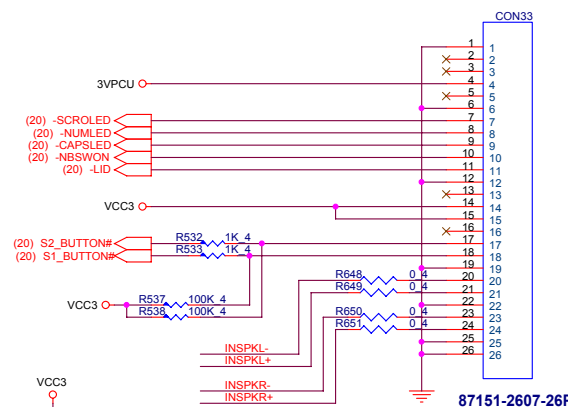
E&T-3702Y-T004-NNN

MIC CONN



DVT : Add MIC CONN on MB

POWER SWITCH BOARD CONNECTOR



87151-2607-26F

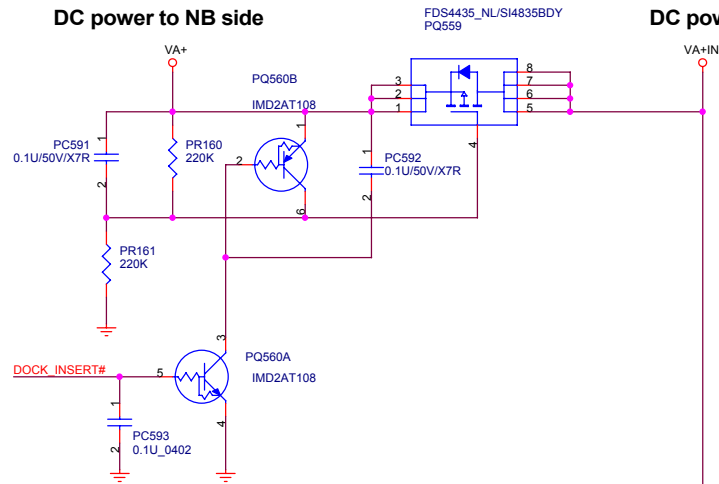


Title **K/B ,USB ,PS**

Size	Document Number
	RD1 Main Board

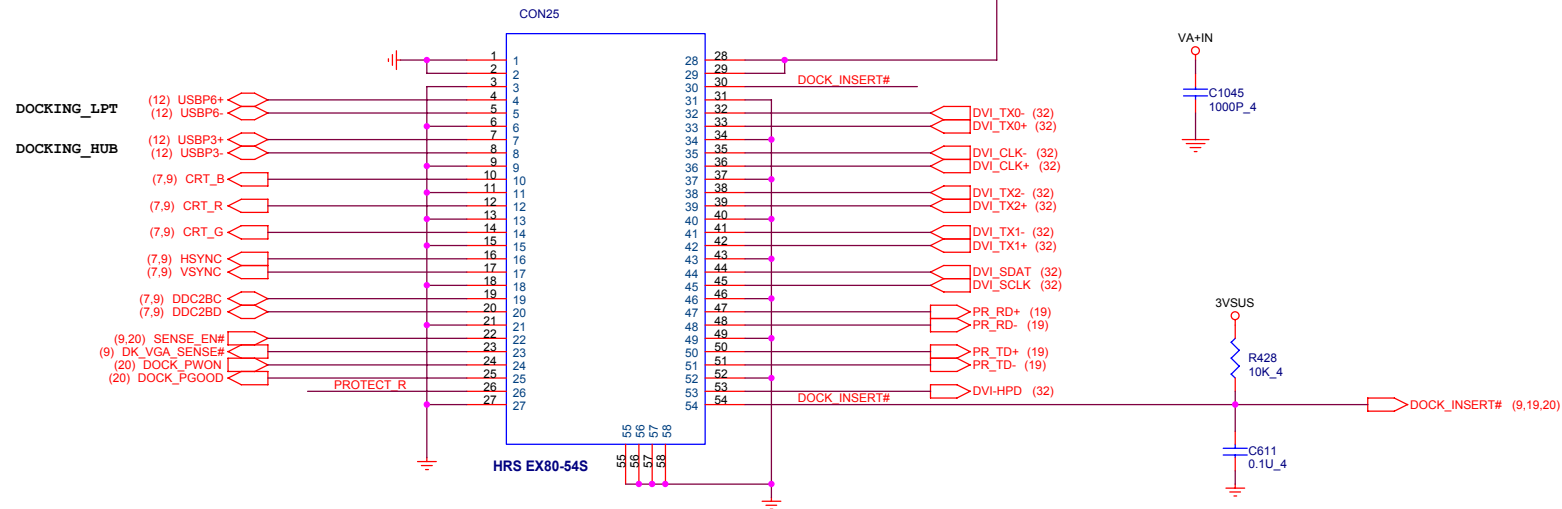
Rev	1A
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DC power to NB side

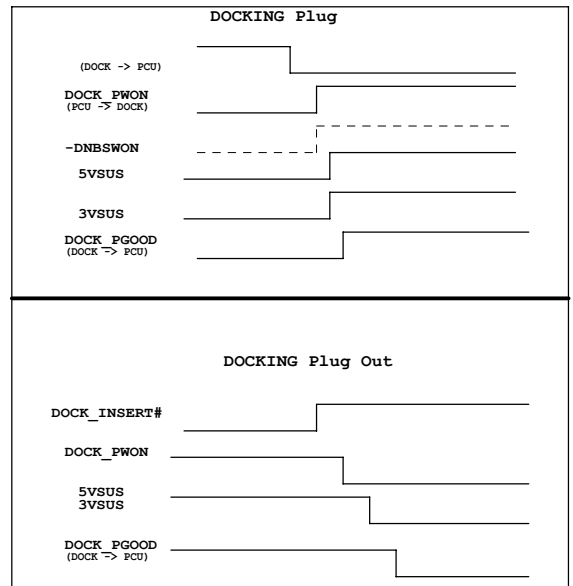
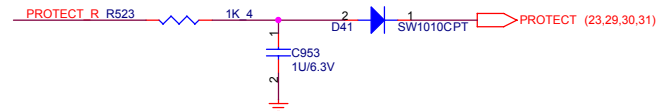


DC power from DOCKING side

Port Replicator CONN

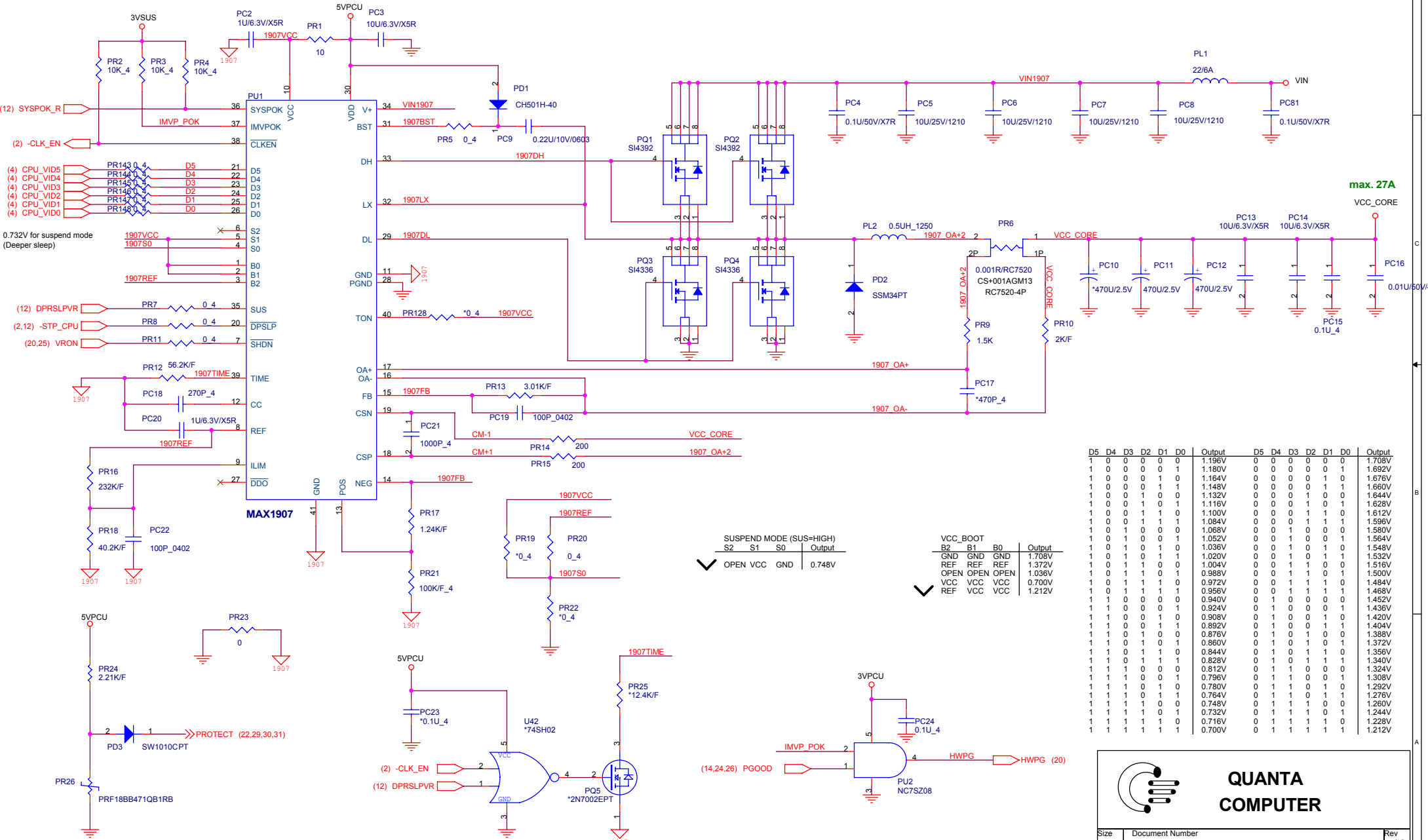


Docking detect Pin : PIN3, PIN30 and PIN 54



Title			Docking	
Size	Document Number		RD1 Main Board	
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		Rev		1A

1. This part should not contain any substances which are specified in SS-00259-1
 2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.



D5	D4	D3	D2	D1	D0	Output	D5	D4	D3	D2	D1	D0	Output
1	0	0	0	0	0	1.196V	0	0	0	0	0	0	1.708V
1	0	0	0	0	1	1.180V	0	0	0	0	0	1	1.692V
1	0	0	0	1	0	1.164V	0	0	0	0	1	0	1.676V
1	0	0	0	1	1	1.148V	0	0	0	0	1	1	1.660V
1	0	0	1	0	0	1.132V	0	0	0	1	0	0	1.644V
1	0	0	1	0	1	1.116V	0	0	0	1	0	1	1.628V
1	0	0	1	1	0	1.100V	0	0	0	1	1	0	1.612V
1	0	0	1	1	1	1.084V	0	0	0	1	1	1	1.596V
1	0	1	0	0	0	1.068V	0	0	1	0	0	0	1.580V
1	0	1	0	0	1	1.052V	0	0	1	0	0	1	1.564V
1	0	1	0	1	0	1.036V	0	0	1	0	1	0	1.548V
1	0	1	0	1	1	1.020V	0	0	1	0	1	1	1.532V
1	0	1	1	0	0	1.004V	0	0	1	1	0	0	1.516V
1	0	1	1	0	1	0.988V	0	0	1	1	0	1	1.500V
1	0	1	1	1	0	0.972V	0	0	1	1	1	0	1.484V
1	0	1	1	1	1	0.956V	0	0	1	1	1	1	1.468V
1	1	0	0	0	0	0.940V	0	1	0	0	0	0	1.452V
1	1	0	0	0	1	0.924V	0	1	0	0	0	1	1.436V
1	1	0	0	1	0	0.908V	0	1	0	0	1	0	1.420V
1	1	0	0	1	1	0.892V	0	1	0	0	1	1	1.404V
1	1	0	1	0	0	0.876V	0	1	0	1	0	0	1.388V
1	1	0	1	0	1	0.860V	0	1	0	1	0	1	1.372V
1	1	0	1	1	0	0.844V	0	1	0	1	1	0	1.356V
1	1	0	1	1	1	0.828V	0	1	0	1	1	1	1.340V
1	1	1	0	0	0	0.812V	0	1	1	0	0	0	1.324V
1	1	1	0	0	1	0.796V	0	1	1	0	0	1	1.308V
1	1	1	0	1	0	0.780V	0	1	1	0	1	0	1.292V
1	1	1	0	1	1	0.764V	0	1	1	0	1	1	1.276V
1	1	1	1	0	0	0.748V	0	1	1	1	0	0	1.260V
1	1	1	1	0	1	0.732V	0	1	1	1	0	1	1.244V
1	1	1	1	1	0	0.716V	0	1	1	1	1	0	1.228V
1	1	1	1	1	1	0.700V	0	1	1	1	1	1	1.212V

SUSPEND MODE (SUS=HIGH)				
S2	S1	S0	Output	
✓	OPEN	VCC	GND	0.748V

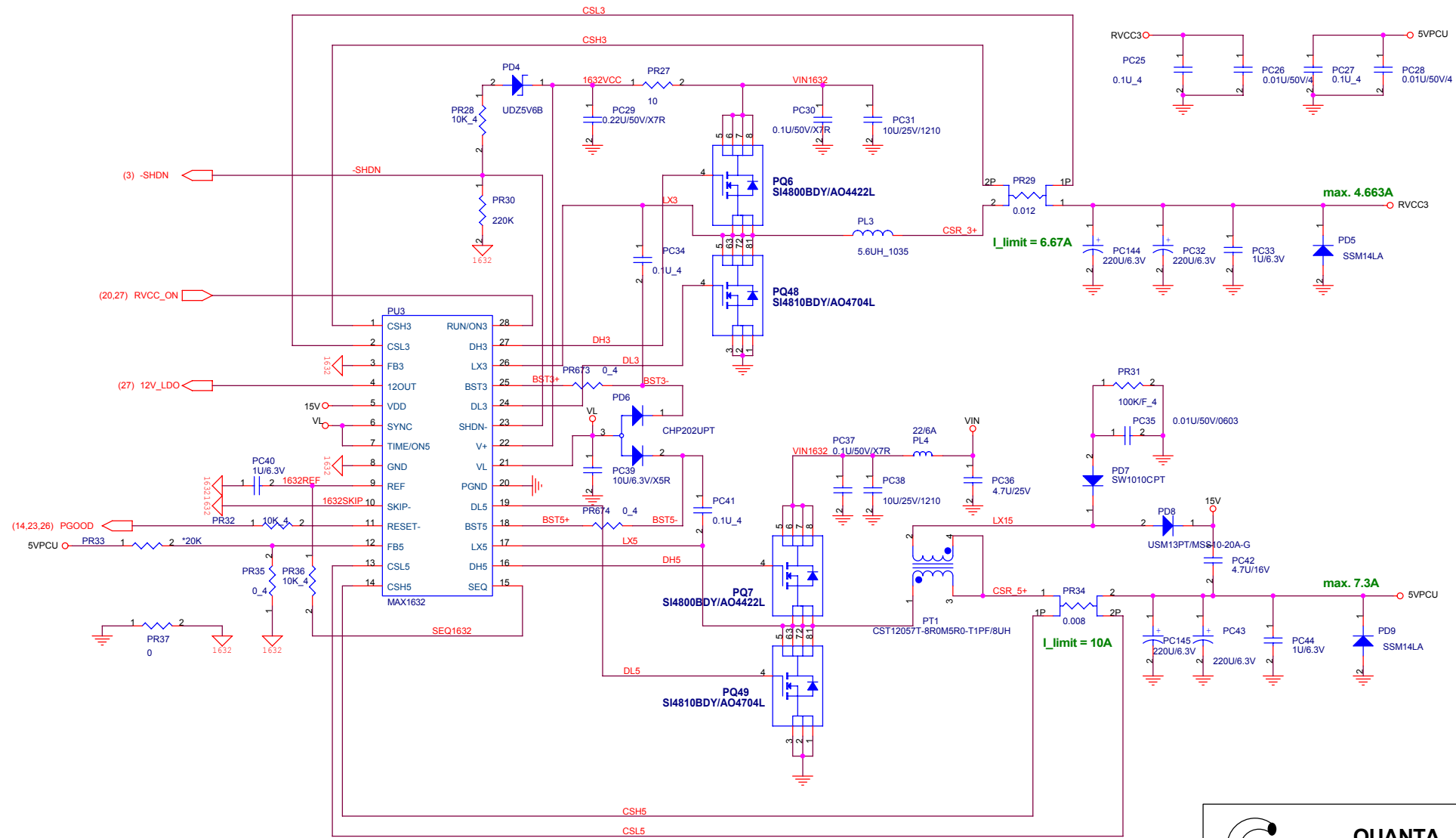
VCC_BOOT			
B2	B1	B0	Output
GND	GND	GND	1.708V
REF	REF	REF	1.372V
OPEN	OPEN	OPEN	1.036V
VCC	VCC	VCC	0.700V
REF	VCC	VCC	1.212V

1.This part should not contain any substances which are specified in SS-00259-1
2.Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.



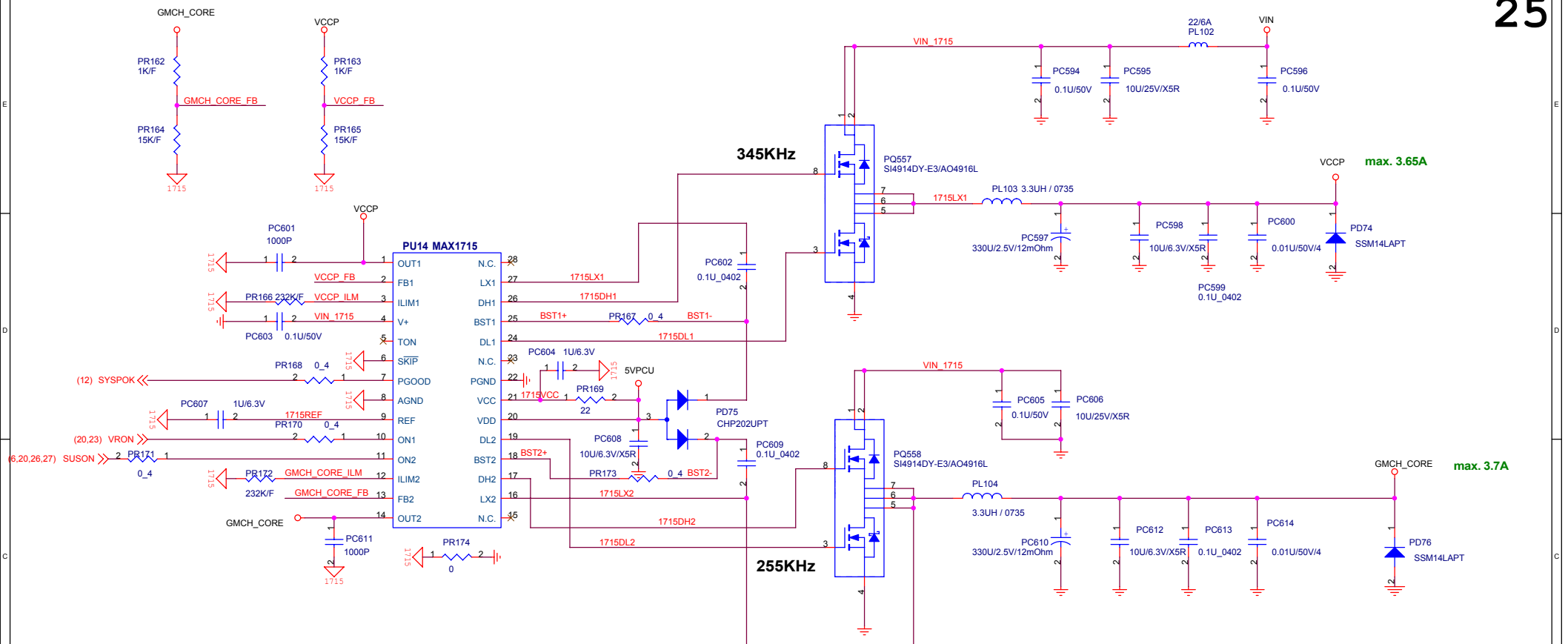
**QUANTA
COMPUTER**

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	RD1 Main Board	1A
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**QUANTA
COMPUTER**

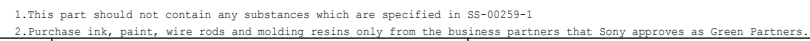
Size	Document Number	Rev
	RD1 Main Board	1A
Date:	Thursday, June 30, 2005	Sheet 24 of 32

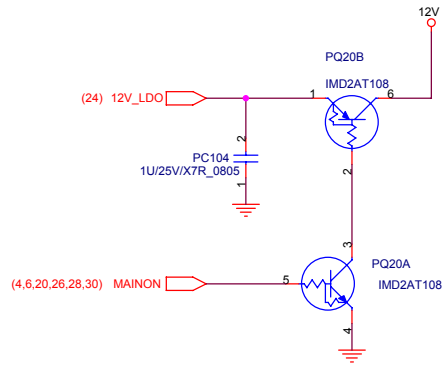


1. This part should not contain any substances which are specified in SS-00259-1
2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.

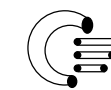
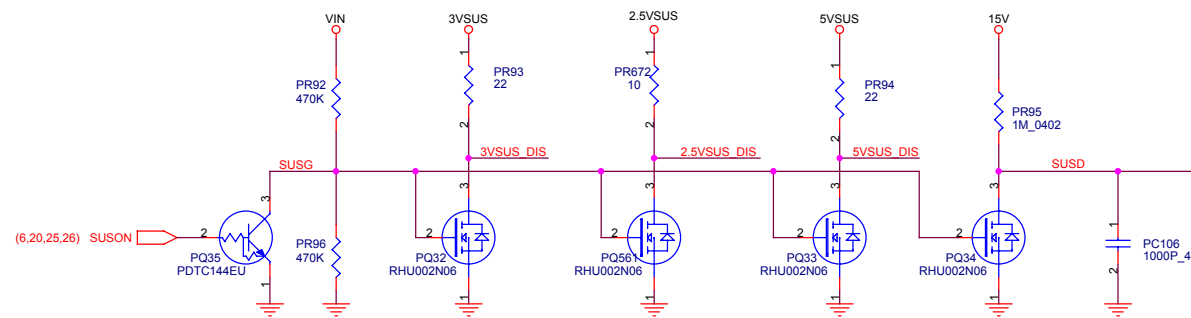
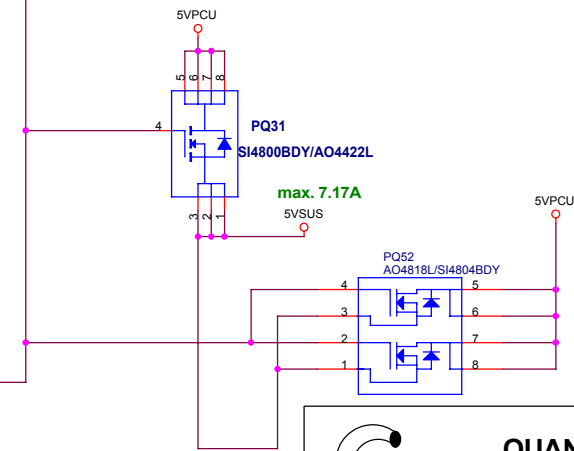
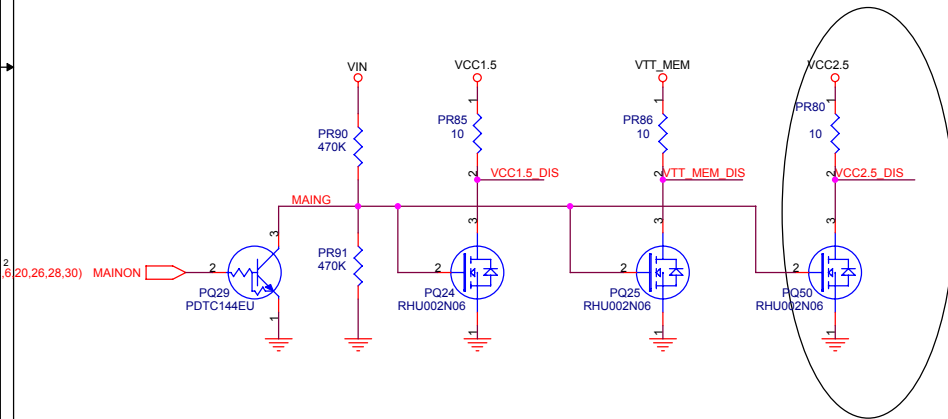
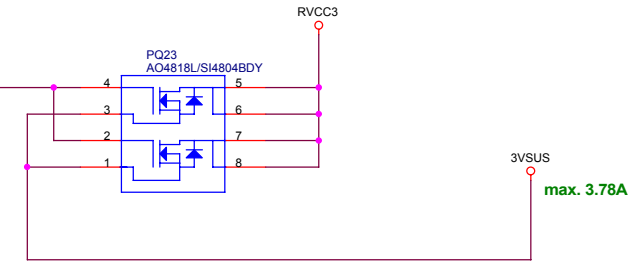
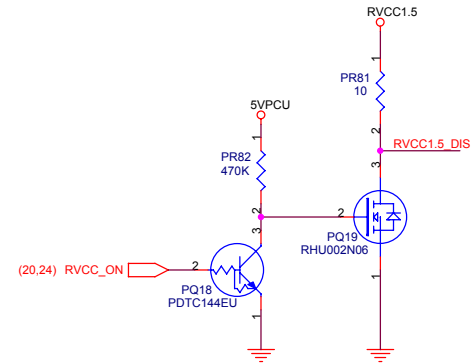


**QUANTA
COMPUTER**





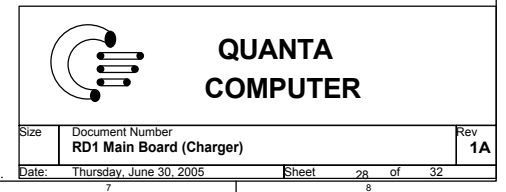
VCC1.8 — 1.8VSUS
VCC3 — 3VSUS
VCC5 — 5VSUS

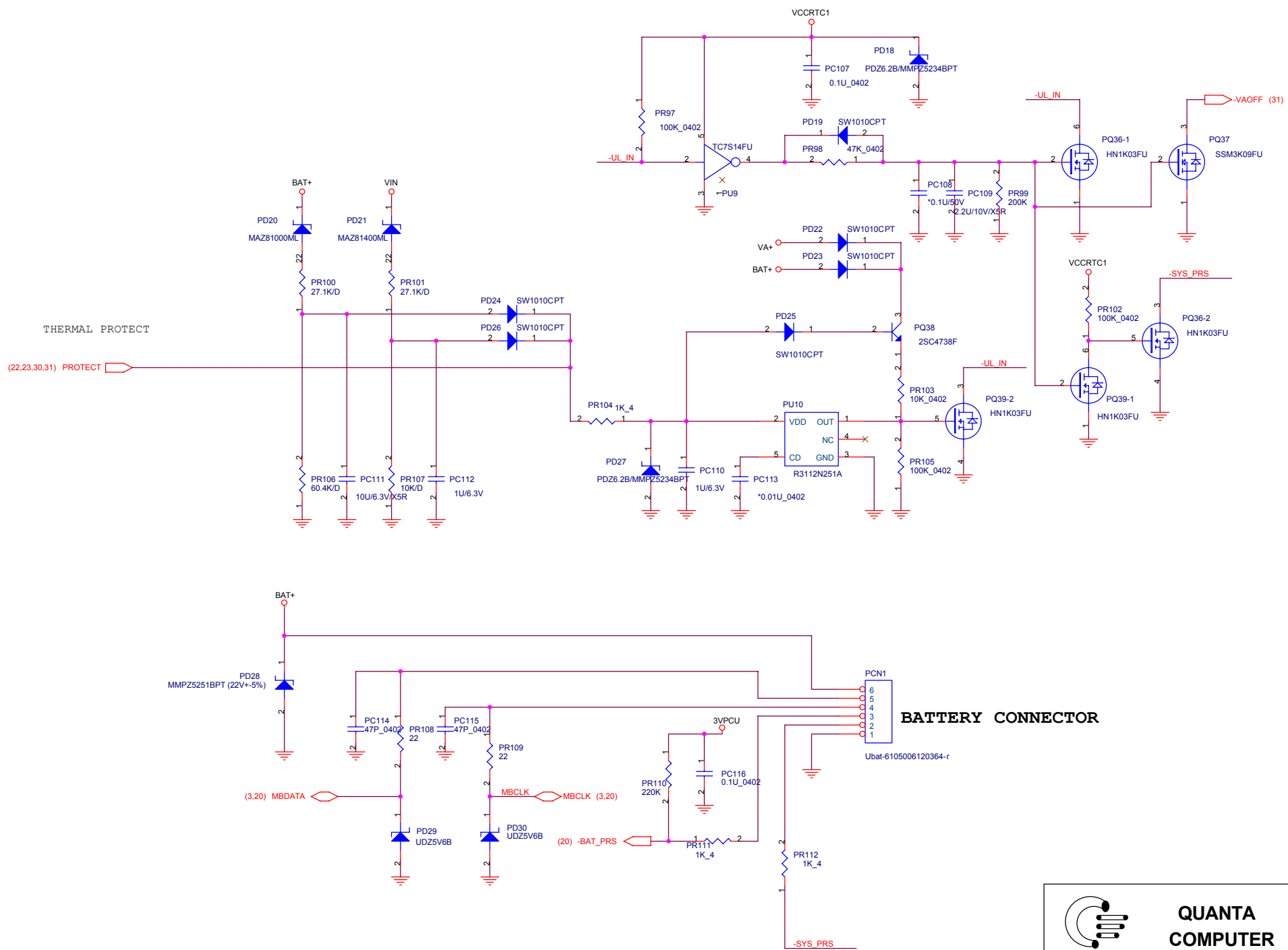


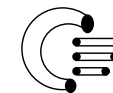
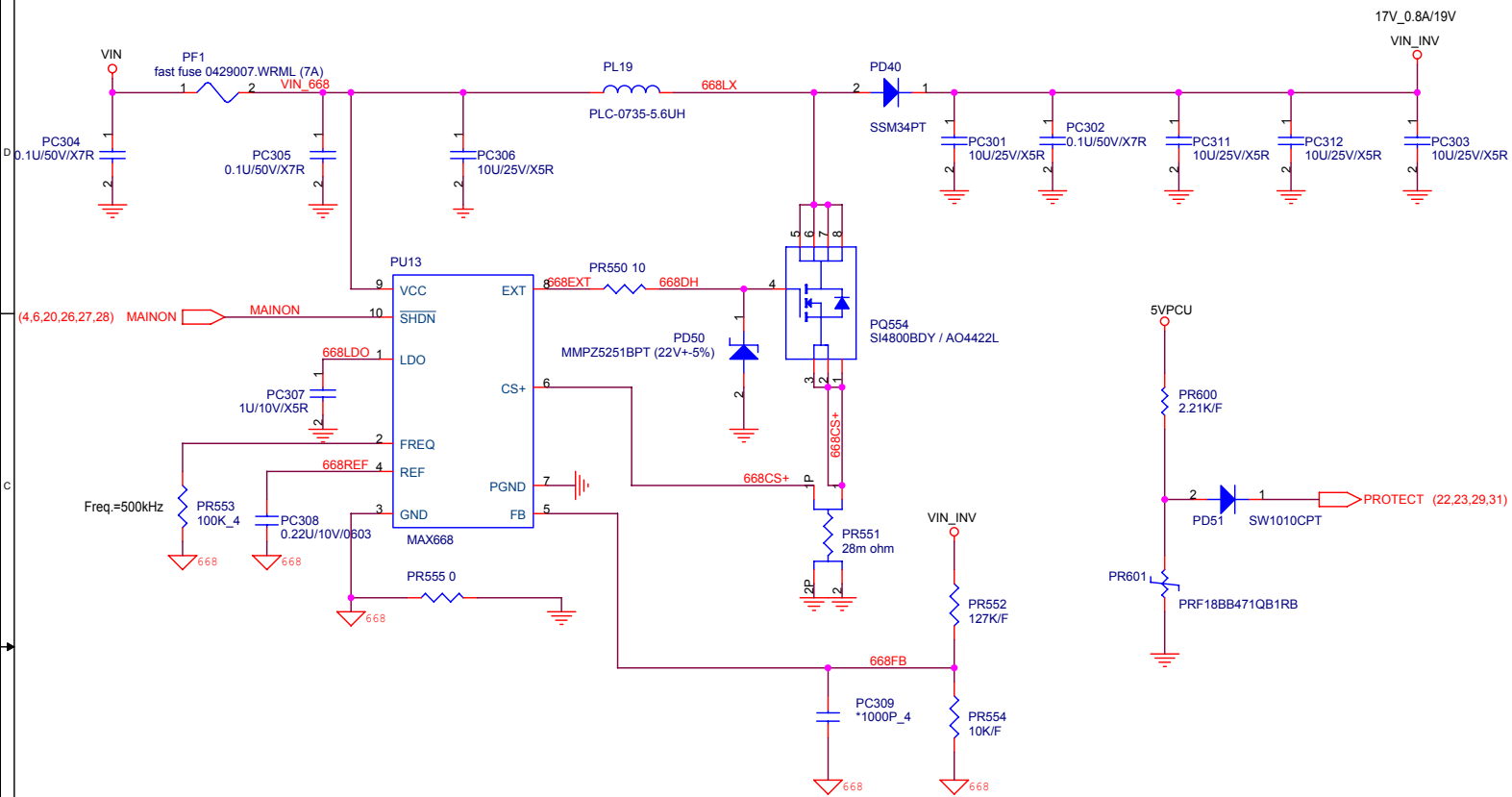
**QUANTA
COMPUTER**

Size	Document Number	Rev
	RD1 Main Board	1A
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1.This part should not contain any substances which are specified in SS-00259-1
2.Purchase ink, paint, wire rods and molding resins only from the business
partners that Sony approves as Green Partners.



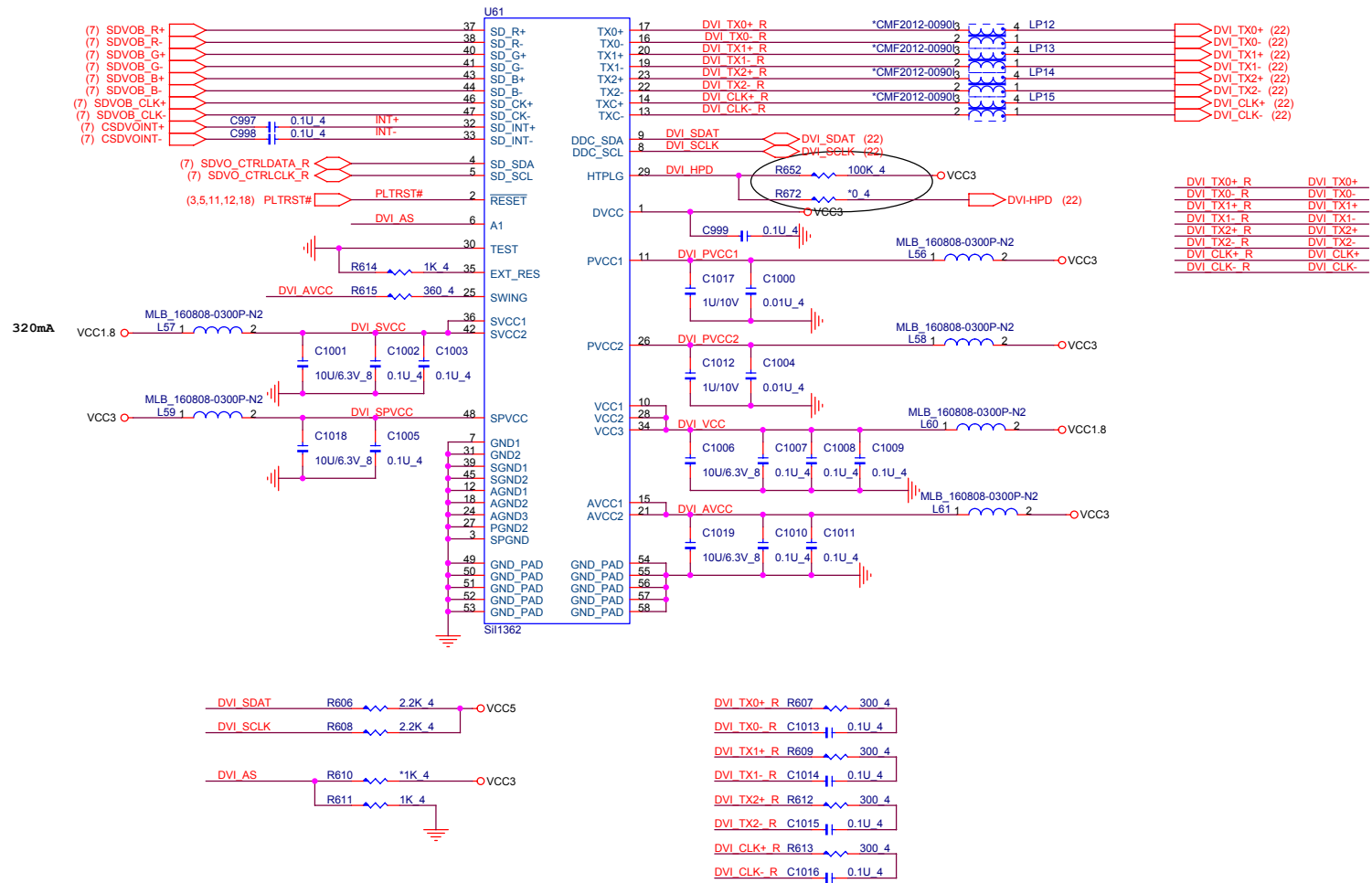




**QUANTA
COMPUTER**

1.This part should not contain any substances which are specified in SS-00259-1
2.Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.

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Title		
DVI		
Size	Document Number	Rev 1A
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