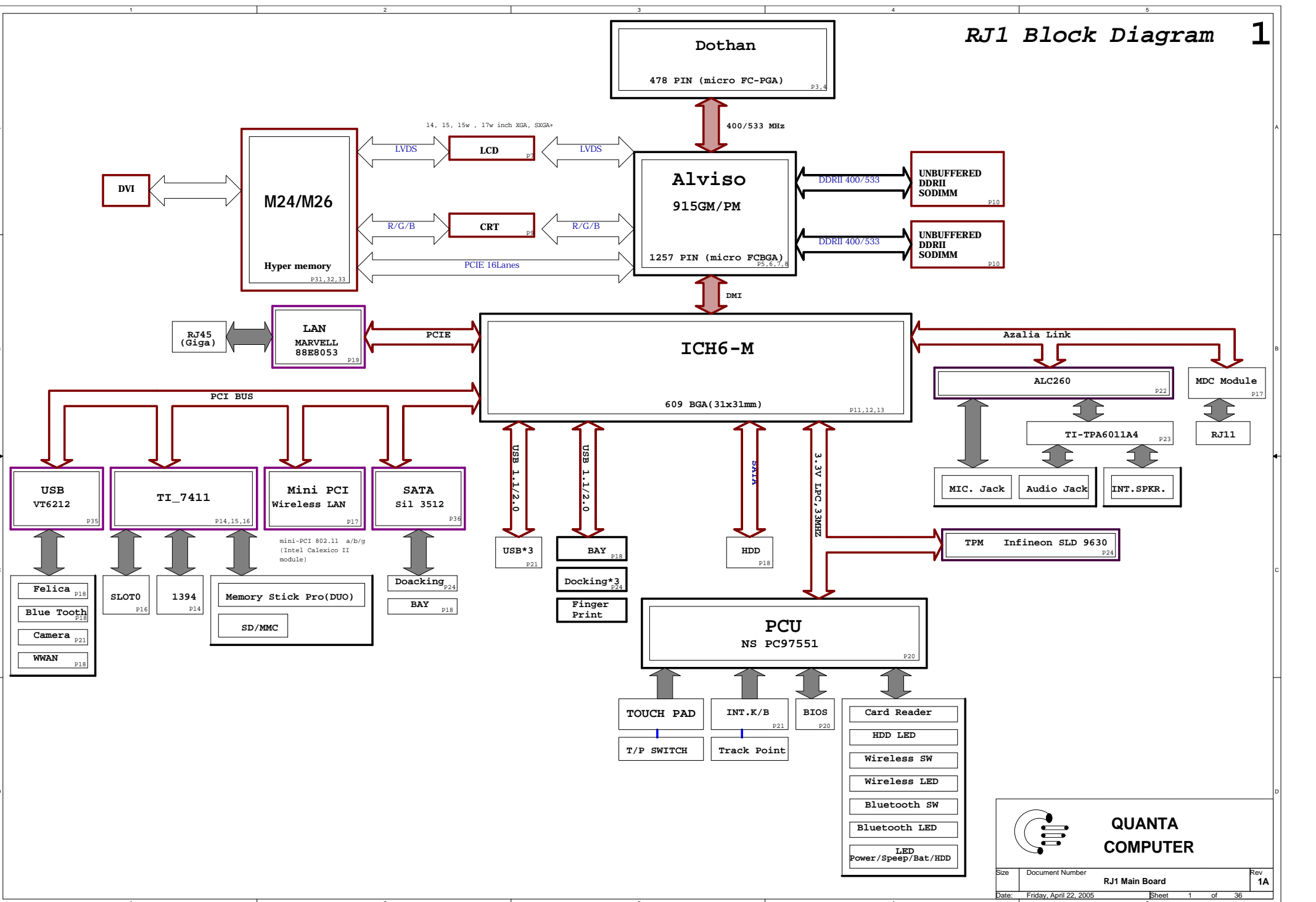
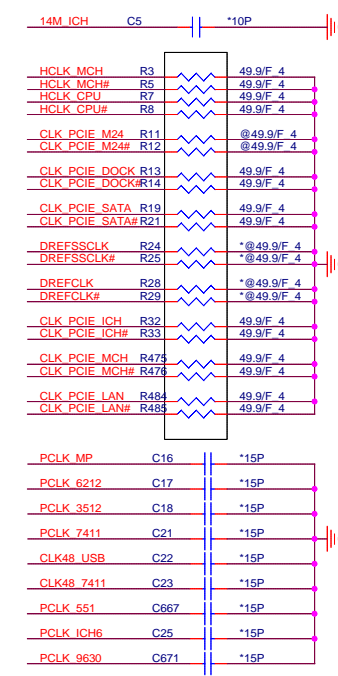
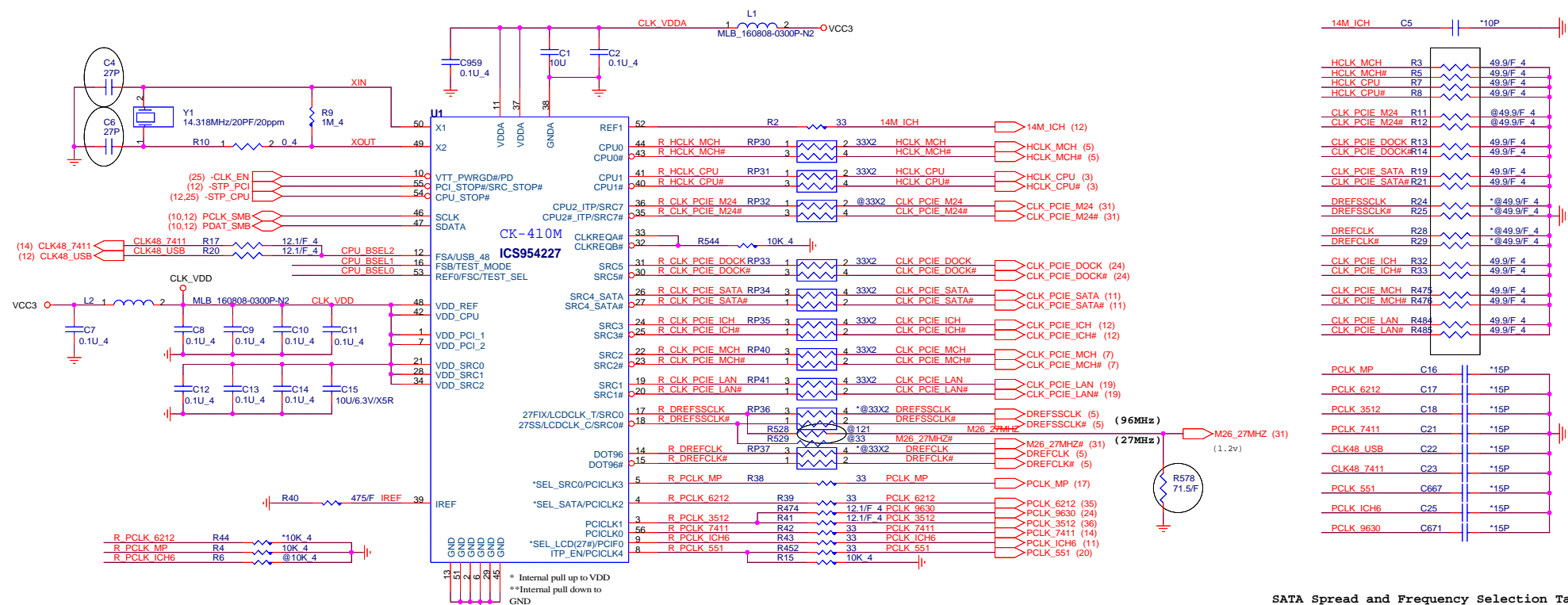


RJ1 Block Diagram 1





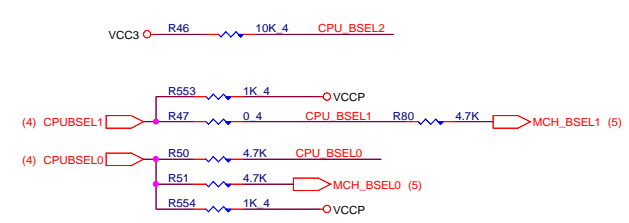
SEL_SRC0 (Pin 17,18) (R4)
 0: LCDCLK Pair
 1: SRCLK0 pair

SEL_SATA (Pin 26,27) (R44)
 0: Clock from SRC PLL
 1: Clock from SATA PLL

SEL_LCD (Pin 17,18) (R6)
 0: 27MHZSS/27MHZSS# pair (M24/M26)
 1: LCDCLK pair (915GM)

ITP_EN Function (Pin 35,36) (R15)
 0: SRC 7 Pair (Pin 35,36)
 1: CPU_2_ITP Pair (Pin 35,36)

IREF (Pin 39) :
 475_1% : Sets the IREF current to 2.32mA



FSC BSEL0	FSB BSEL1	FSA BSEL2	CPU	SRC	PCI	REF	USB	DOT	Spread %
0	0	0	266.66	100	33.33	14,318	48	96	0.5 Down
* 0	0	1	133.33	100	33.33	14,318	48	96	0.5 Down
0	1	0	200.00	100	33.33	14,318	48	96	0.5 Down
0	1	1	166.66	100	33.33	14,318	48	96	0.5 Down
1	0	0	333.33	100	33.33	14,318	48	96	0.5 Down
* 1	0	1	100.00	100	33.33	14,318	48	96	0.5 Down
1	1	0	400.00	100	33.33	14,318	48	96	0.5 Down
1	1	1	200.00	100	33.33	14,318	48	96	0.5 Down

LCDCCLK Spread and Frequency Selection Table (SEL_LCD) :

SEL_LCD	SS3 SS2 SS1 SS0					VCO MHZ	17,18 MHZ	Spread %		SEL_LCD	SS3 SS2 SS1 SS0					VCO MHZ	17,18 MHZ	Spread %	
	SS3	SS2	SS1	SS0	SS3						SS2	SS1	SS0						
1	0	0	0	0	500	100	+/-1.5		Center	0	0	0	0	864	27	+/-0.25			
1	0	0	0	1	500	100	+/-1.25		Center	0	0	0	1	864	27	+/-0.5			
1	0	0	1	0	500	100	+/-1.0		Center	0	0	1	0	864	27	+/-0.75			
1	0	0	1	1	500	100	+/-0.8		Center	0	0	1	1	864	27	+/-1			
1	0	1	0	0	500	100	+/-0.6		Center	0	0	1	0	864	27	+/-1.25			
1	0	1	0	1	500	100	+/-0.5		Center	0	0	1	1	864	27	+/-1.5			
1	0	1	1	0	500	100	+/-0.4		Center	0	0	1	1	864	27	+/-1.75			
1	0	1	1	1	500	100	+/-0.3		Center	0	0	1	1	864	27	+/-2			
1	1	0	0	0	500	100	3		Down	0	1	0	0	864	27	-0.5			
1	1	0	0	1	500	100	2.5		Down	0	1	0	1	864	27	-1			
1	1	0	1	0	500	100	2		Down	0	1	0	1	864	27	-1.25			
1	1	0	1	1	500	100	1.75		Down	0	1	0	1	864	27	-1.5			
1	1	1	0	0	500	100	1.5		Down	0	1	1	0	864	27	-1.75			
1	1	1	0	1	500	100	1.25		Down	0	1	1	0	864	27	-2			
1	1	1	1	0	500	100	1		Down	0	1	1	1	864	27	-2.5			
1	1	1	1	1	500	100	0.8		Down	0	1	1	1	864	27	-3			

SATA Spread and Frequency Selection Table (SEL_SATA) :

SEL_SATA	SS3	SS2	VCO MHZ	27,26 MHZ	Spread %	
1	0	0	tbd	100	-0.2	Down
1	0	1	tbd	100	-0.3	Down
1	1	0	tbd	100	-0.4	Down
1	1	1	tbd	100	-0.5	Down

Signal		915GM	915PM
CLK_PCIE_M24	RP32	NI	33X2
	R11	NI	49.9/F_4
	R12	NI	49.9/F_4
DREFSSCLK	RP36	33X2	NI
	R24	49.9/F_4	NI
	R25	49.9/F_4	NI
DREFCLK	RP37	33X2	NI
	R28	49.9/F_4	NI
	R29	49.9/F_4	NI
DREFSSCLK	R528	NI	121
	R529	NI	33
R_PCLK_ICH6	R6	NI	10K_4

QUANTA COMPUTER

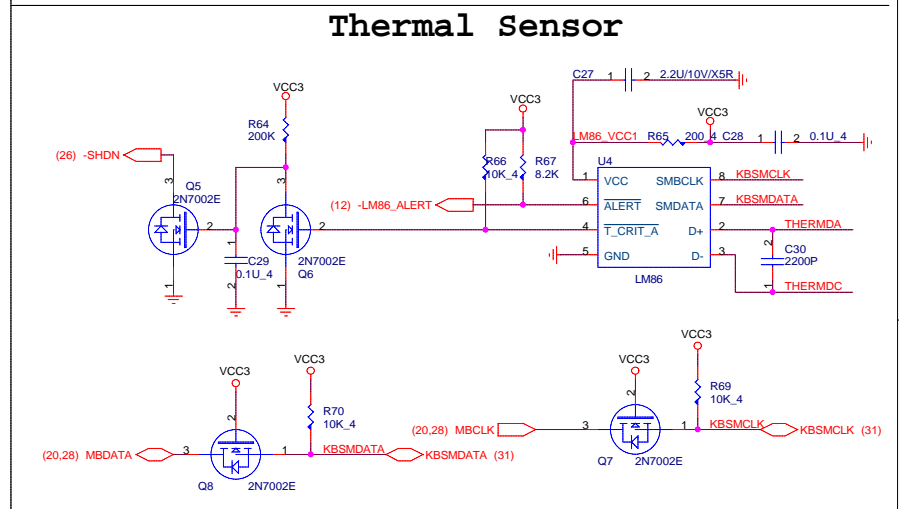
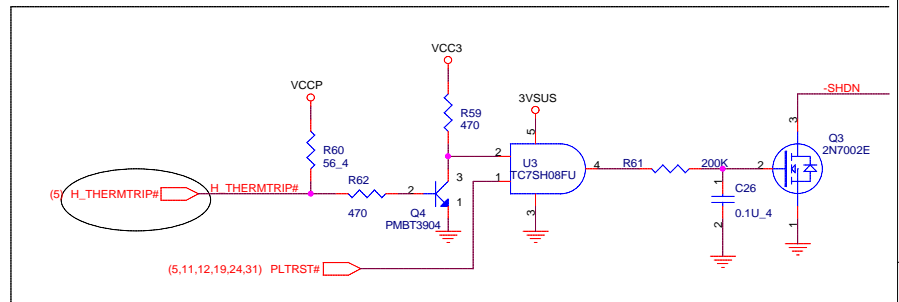
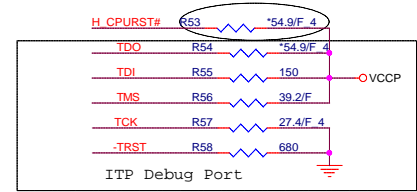
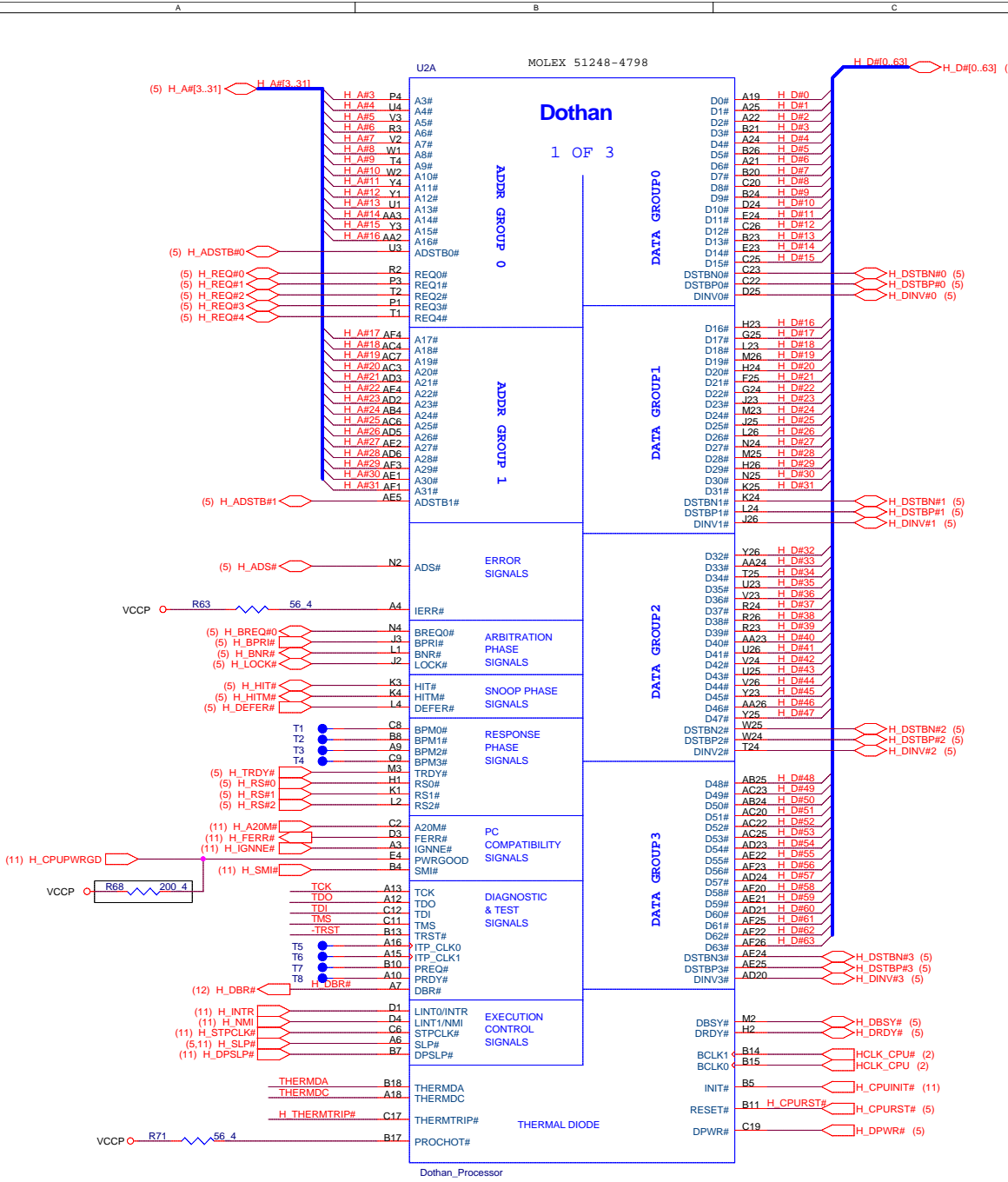
Rev 1A

CLOCK GENERATOR

Size: Document Number
 Custom: RJ1 Main Board

Date: Tuesday, May 10, 2005 Sheet 2 of 36

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

Title: **Dothan CPU - A**

Size: Document Number

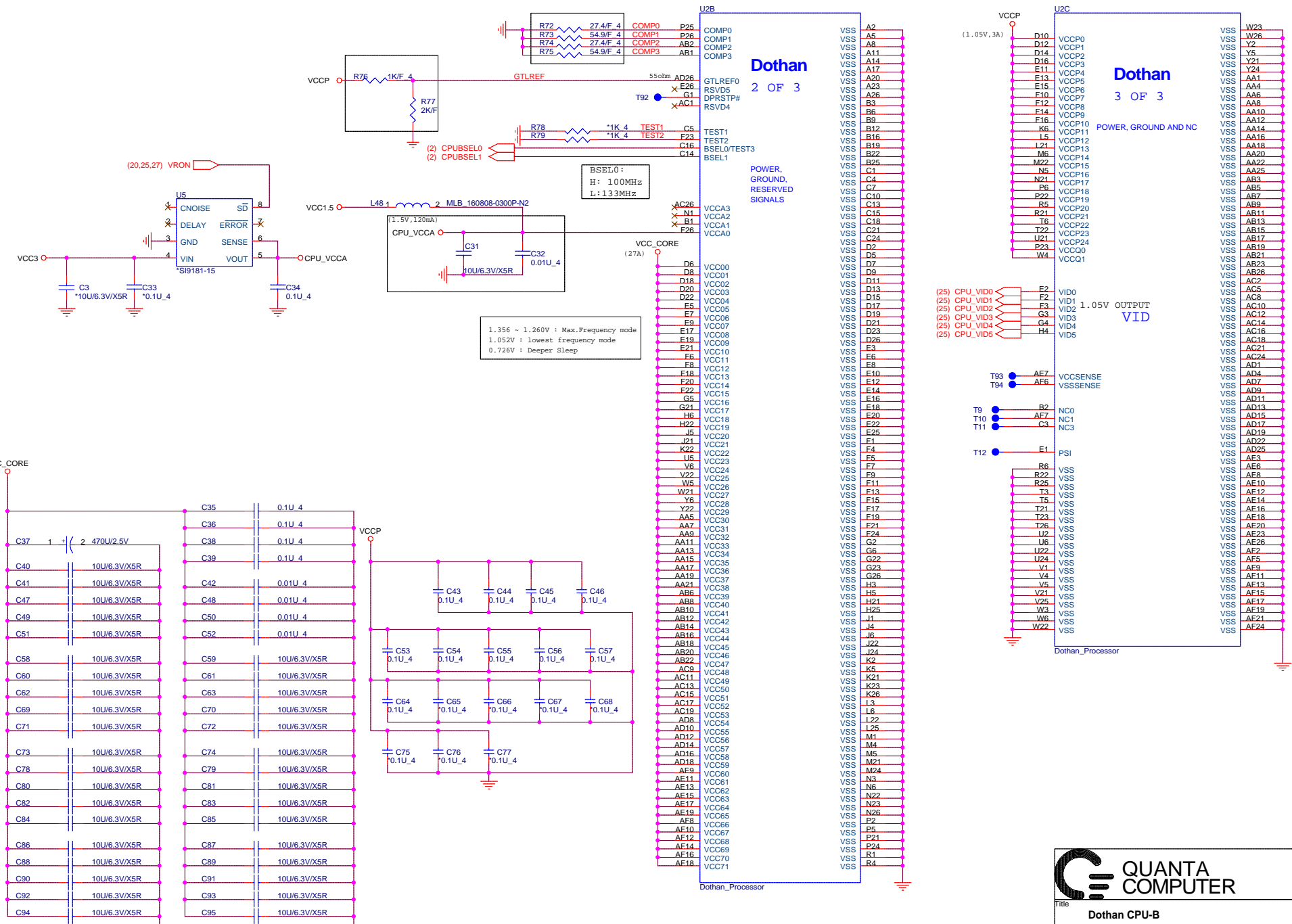
Custom: **RJ1 Main Board**

Date: Tuesday, May 10, 2005

Sheet 3 of 36

Rev 2A

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.



10U/6.3V/X5R(CC0805) 5 mOhm*35

Dothan
2 OF 3

Dothan
3 OF 3

POWER, GROUND, RESERVED SIGNALS

POWER, GROUND AND NC

1.05V OUTPUT VID

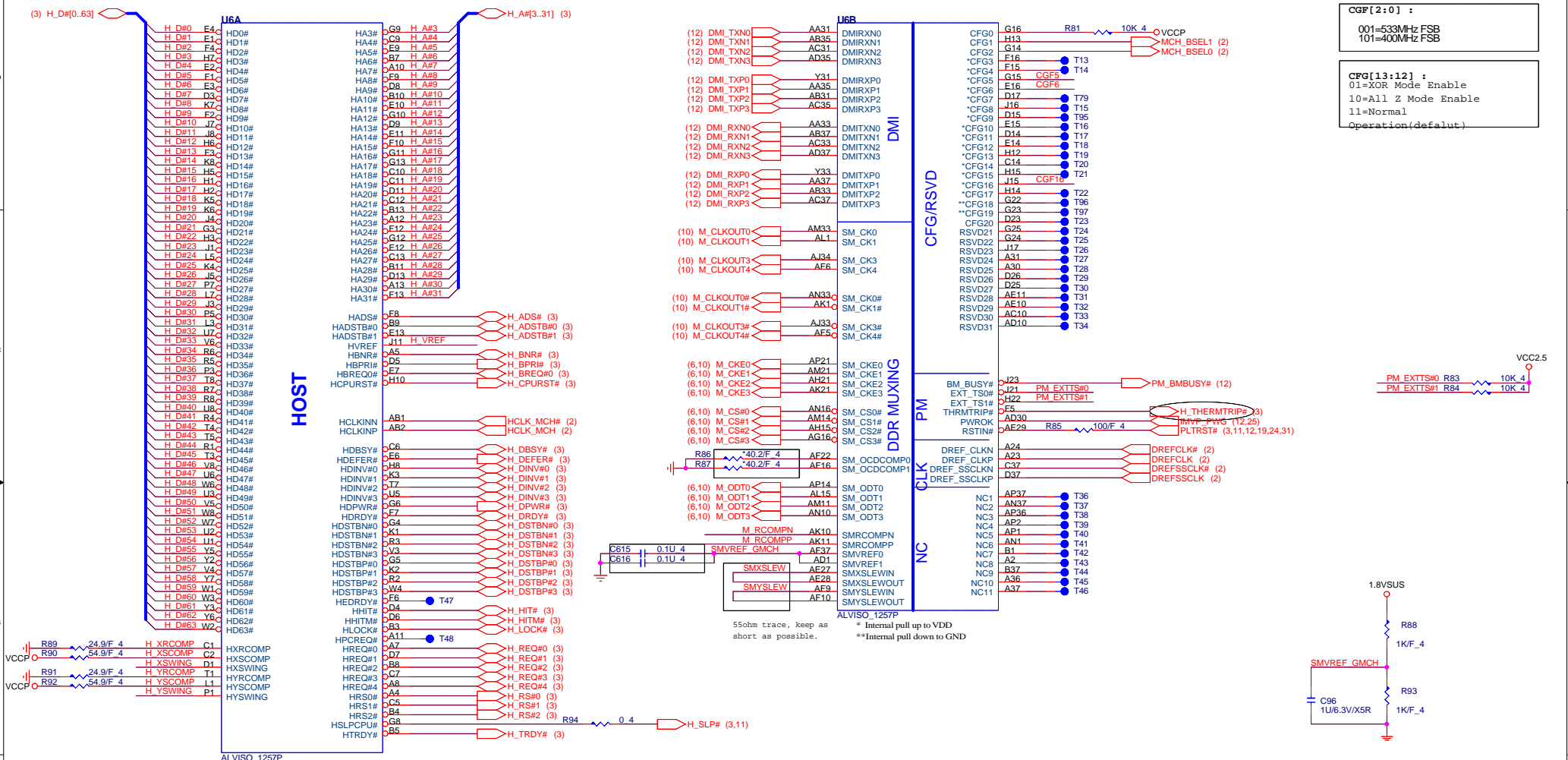
Dothan_Processor

Dothan_Processor



Title		Dothan CPU-B	
Size		Document Number	
		RJ1 Main Board	
Date:	Tuesday, May 10, 2005	Sheet	4 of 36
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.

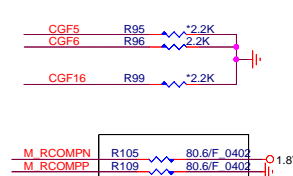
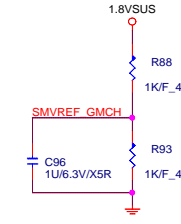


CGF[2:0] :
 001=533MHz FSB
 101=400MHz FSB

CFG[13:12] :
 01=XOR Mode Enable
 10=All Z Mode Enable
 11=Normal
 Operation(default)

VCC2.5

PM_EXTT#0 R83 10K 4
 PM_EXTT#1 R84 10K 4



	Low	High
CGF5	DMi2	* DMi4
CGF6	* DDR II	DDR
CGF7	CPU type: DT/Transportable	* CPU type: Mobile CPU
CGF16	PCIe Graphics lan : Reverse Lane	* PCIe Graphics lan : Normal operation
CGF18	* Alviso GMCH core: 1.05V	Alviso GMCH core: 1.5V
CGF19	* VPP Voltage : 1.05V	VPP Voltage : 1.2V

Note:
 CFG[17:3] have internal pullup resistors.
 CFG[19:18] have internal pulldown resistors.

	H_SLP#
For Doathan A-X step	* 0
* For Doathan B-X step & later	0

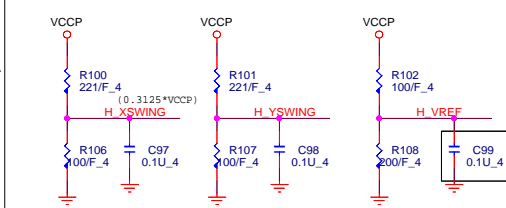
SDVOCRTL_DATA :
 * 0 : No SDVO Device Present(default)
 1 : SDVO Device Present

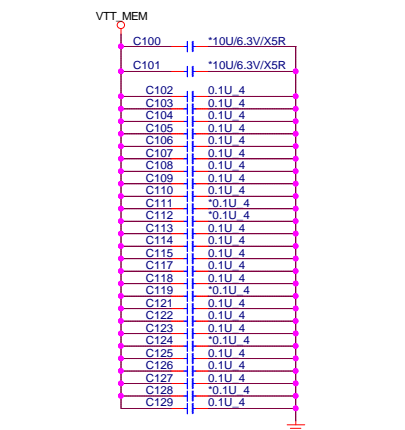
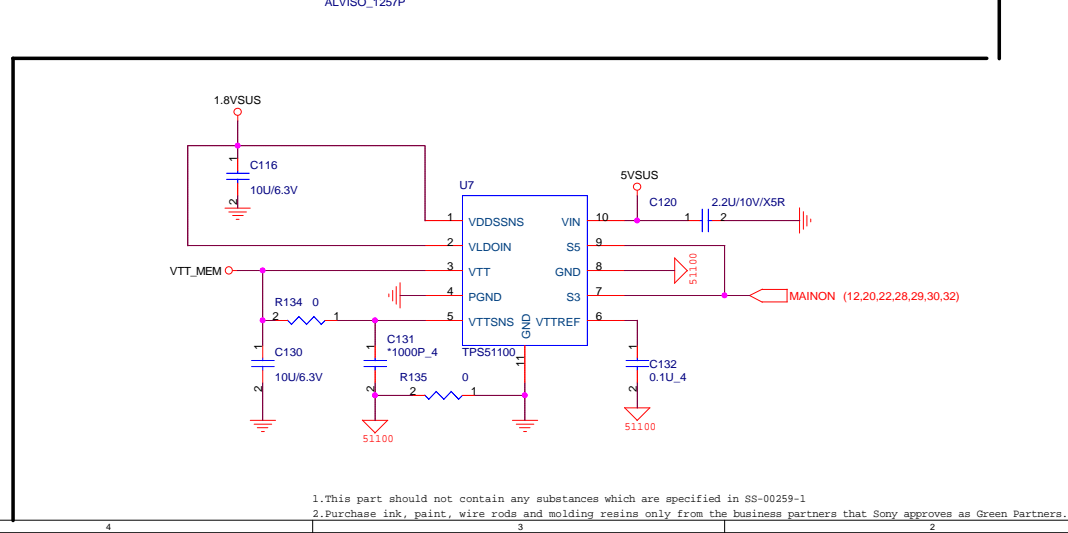
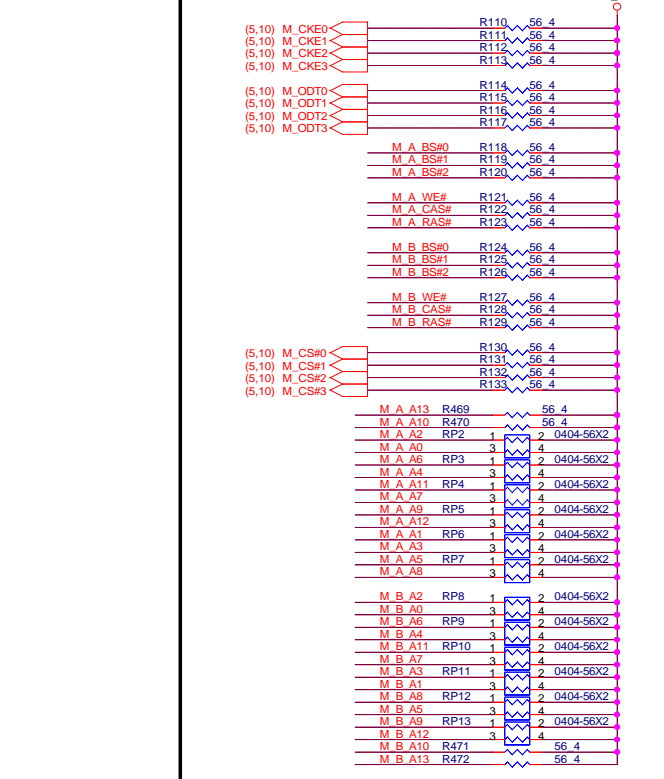
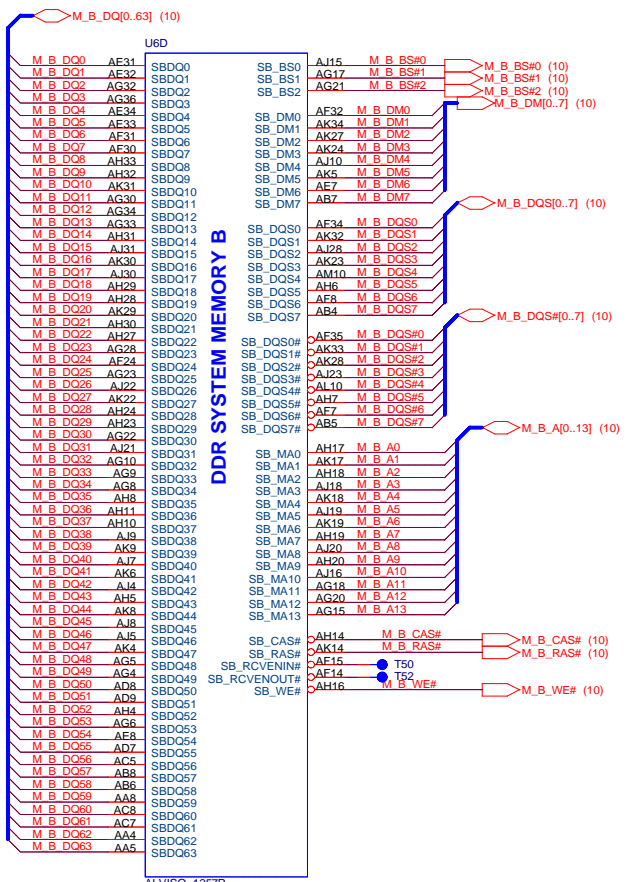
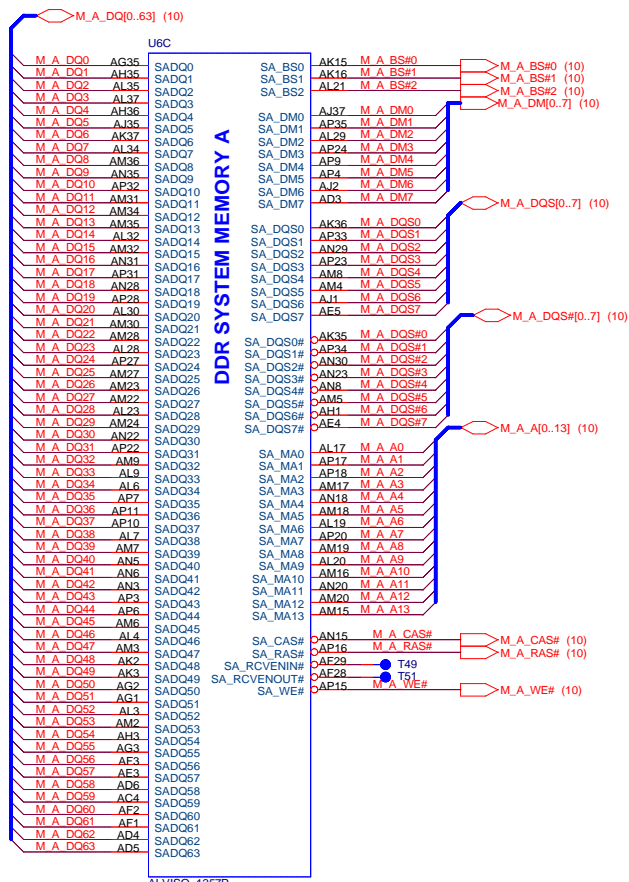
QUANTA COMPUTER

Title: Alviso
 Size: Document Number
 Rev: 2A

RJ1 Main Board

Date: Tuesday, May 10, 2005 Sheet 5 of 36





QUANTA COMPUTER

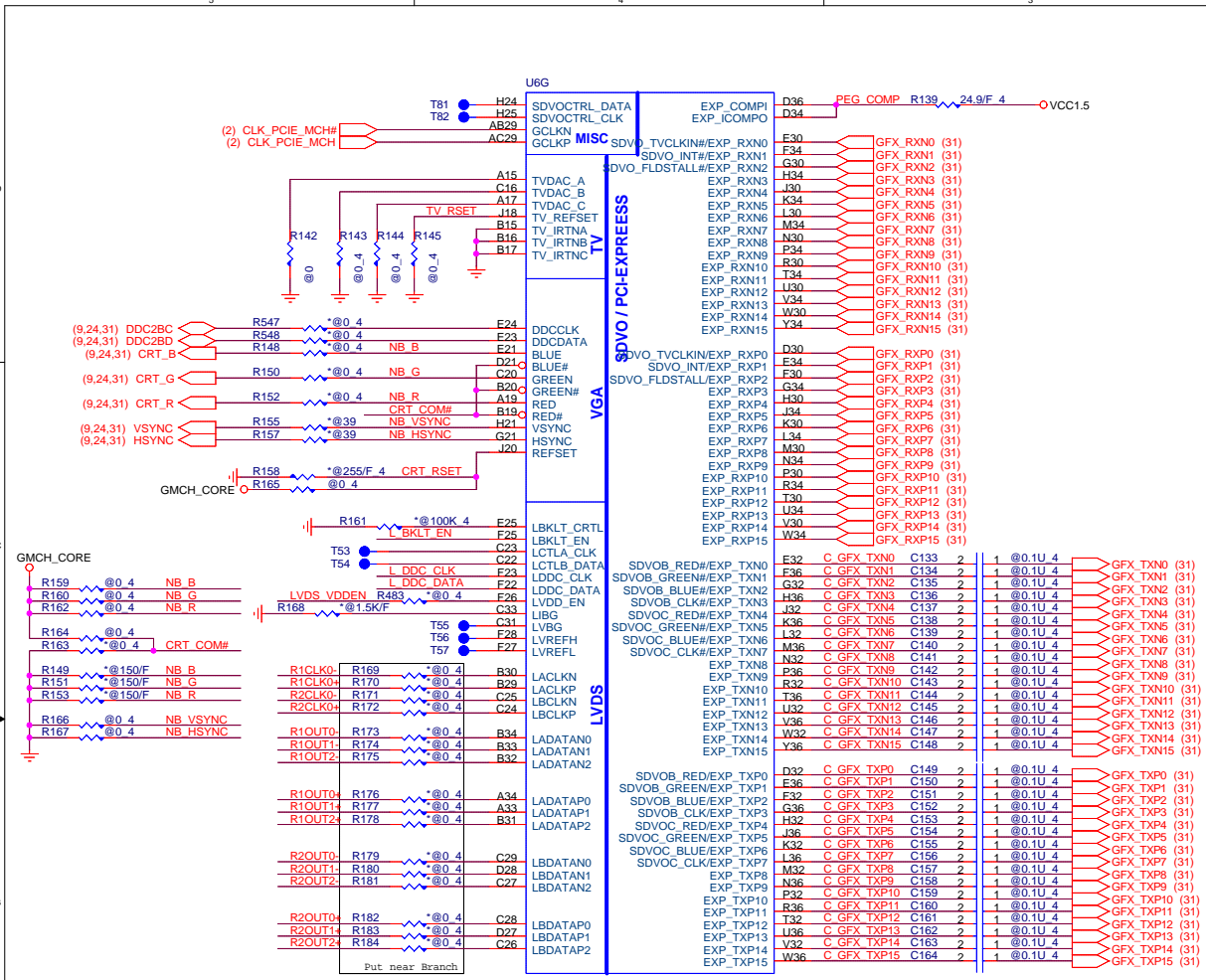
Title: **Alviso-DDRII**

Size: Document Number: Rev 1A

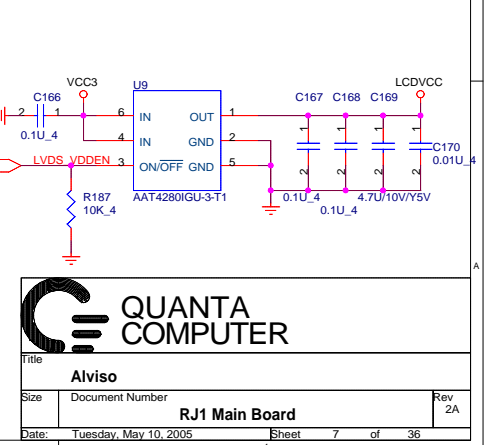
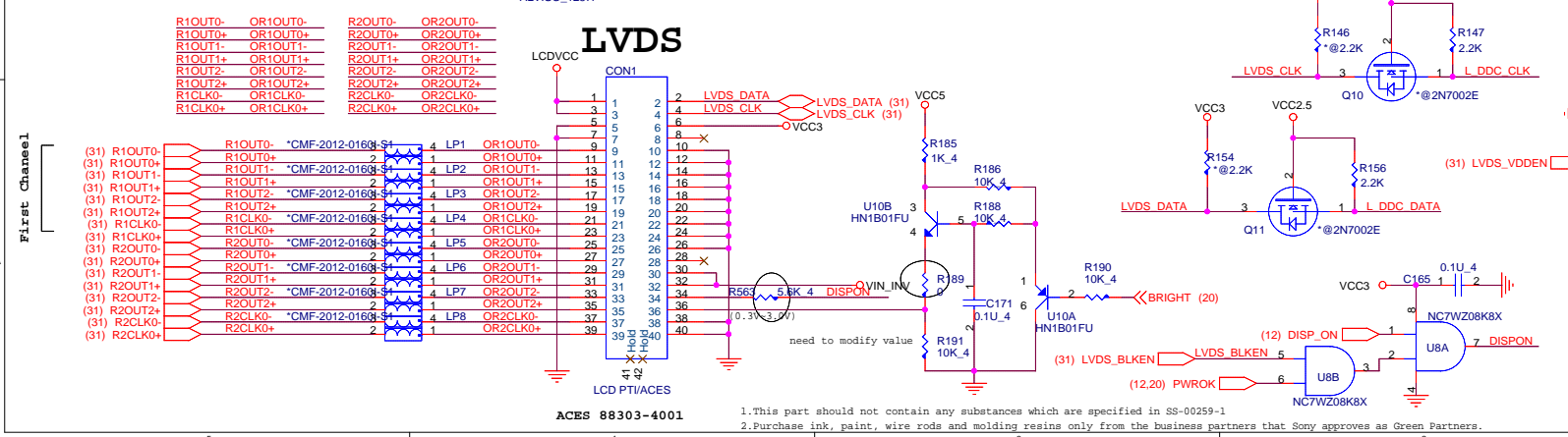
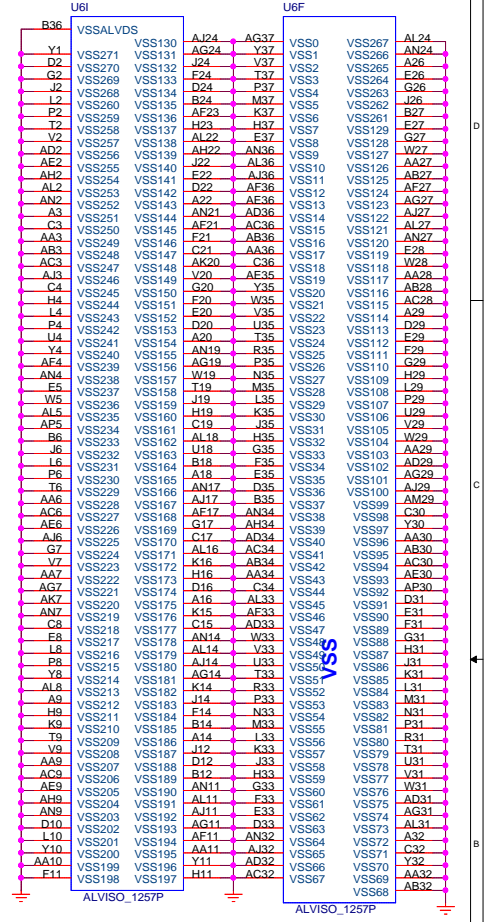
RJ1 Main Board

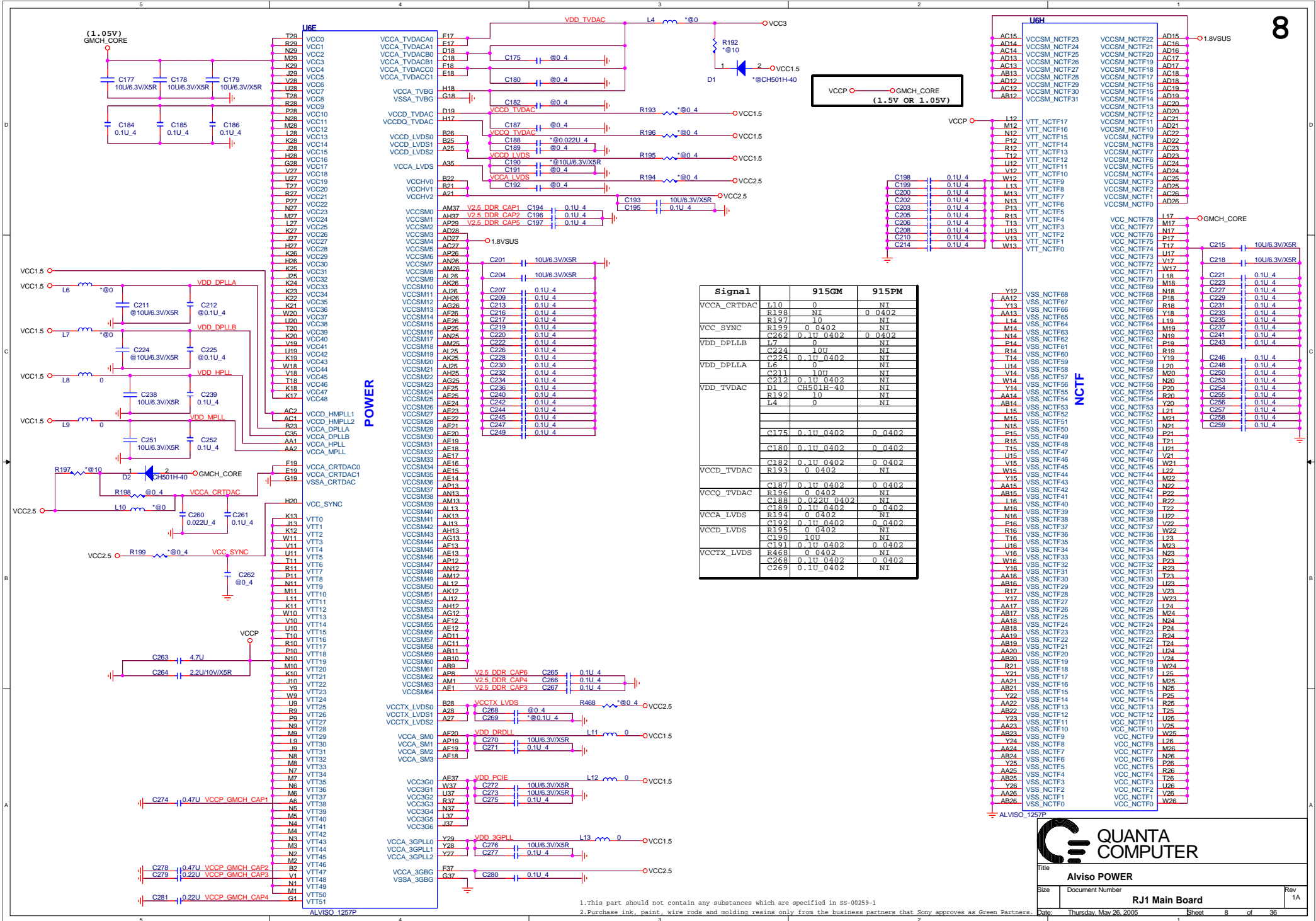
Date: Tuesday, May 10, 2005 Sheet 6 of 36

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.



Signal	915GM	915PM
TV_RSET	R145 4.99K/F_0402	0_0402
TV_COMP	R142 150/F R143 75/F 4 R144 75/F 4	0_0603 0_0402 0_0402
VSYNC	R155 39 R166 NI R157 39	NI 0_0402 NI
HSYNC	R167 NI R161 100K	NI NI
L_BKLT_CRT_L	R140 100K R168 1.5K R169 NI	NI NI NI
LVDS_CLK	Q10 NI R146 2.2K Q11 NI	NI NI NI
LVDS_DATA	Q11 NI R154 2.2K R152 0_0402 R153 150/F R162 NI	NI NI NI NI 0_0402
NB_R	R150 0_0402 R151 150/F	NI NI
NB_G	R160 NI R148 0_0402 R149 150/F	NI NI NI
NB_B	R152 NI R153 0_0402 R163 0_0402 R164 NI	NI NI NI NI
CRT_COM#	R165 NI	NI
CRT_RSET	R158 255/F 0402 R165 NI	NI 0_0402
LVDS	R169 0_0402 R170 0_0402 R171 0_0402 R172 0_0402 R173 0_0402 R174 0_0402 R175 0_0402 R176 0_0402 R177 0_0402 R178 0_0402 R179 0_0402 R180 0_0402 R181 0_0402 R182 0_0402 R183 0_0402 R184 0_0402	NI NI NI NI NI NI NI NI NI NI NI NI NI NI NI NI NI NI NI
LVDS_VDDEN	R483 0_0402	NI
GFYX	C133 NI -C164	NI 0.1u_4
L_BKLT_EN	Q9 2N7002E R138 2.2K R547 0_0402 R548 0_0402	NI NI NI NI





QUANTA COMPUTER

Alviso POWER

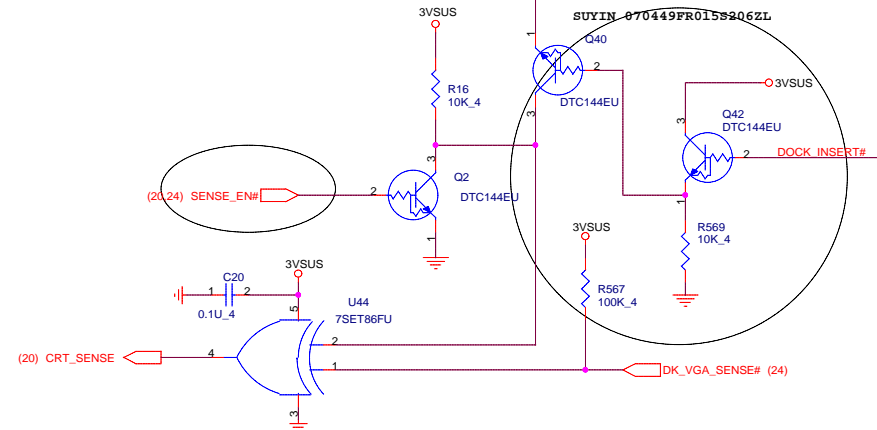
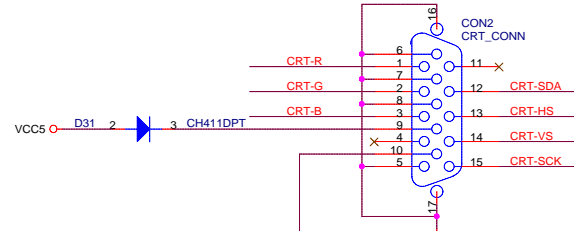
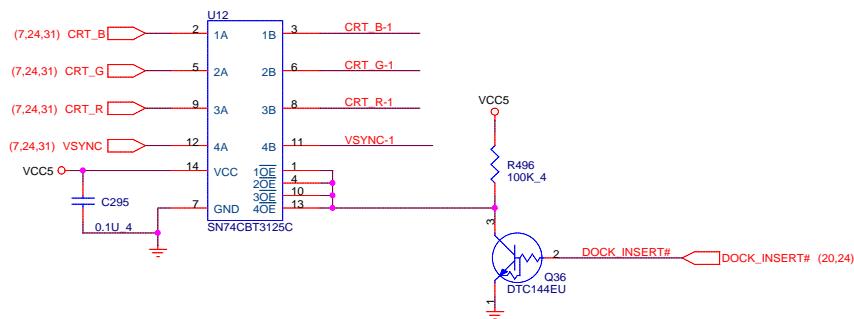
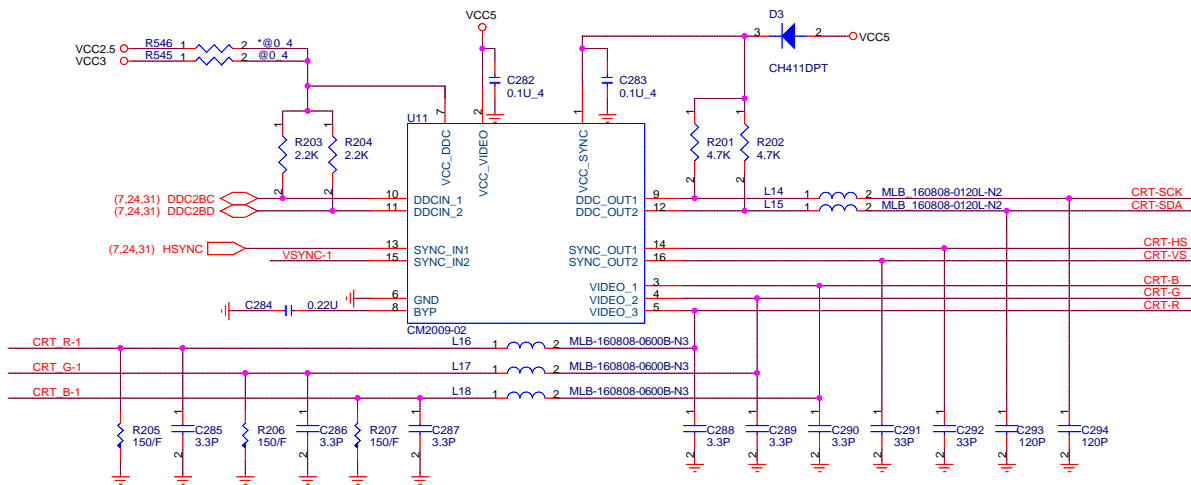
RJ1 Main Board

Rev 1A

Date: Thursday, May 26, 2005

Sheet 8 of 36

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.



	SENSE_EN#	MB CRT	DOCK CRT	DOCK DVI	CRT_SENSE
All no Plug	L	H	H	L	L
MB CRT Plug	L	L	H	L	H
DOCK CRT Plug	L	H	L	L	H
DOCK DVI Plug	L	H	H	H	H
SENSE EN	H	X	X	X	L
DOCK CRT/DVI Plug	L	H	L	H	L
DOCK CRT/MB CRT Plug	L	L	L	L	L

7SET86FU

A	B	Y
H	H	L
H	L	H
L	H	H
L	L	L

Signal		915GM	915PM
VCC_DDC	R545	NI	0_4
	R546	0_4	NI

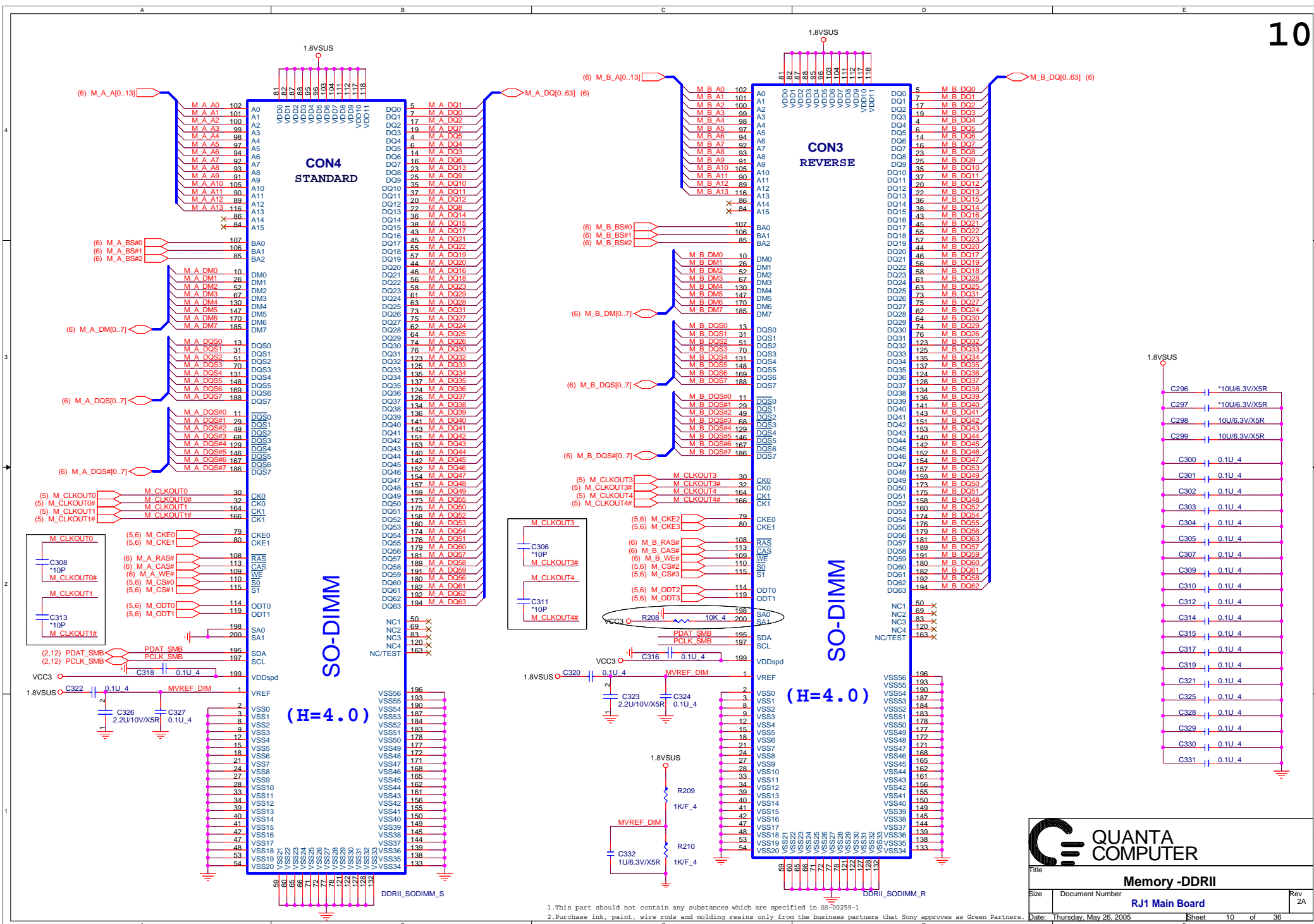
QUANTA COMPUTER

Title: **CRT**

Size: Document Number: **RJ1 Main Board** Rev 2A

Date: Tuesday, May 10, 2005 Sheet 9 of 36

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

Title: **Memory -DDRII**

Size: Document Number

Rev 2A

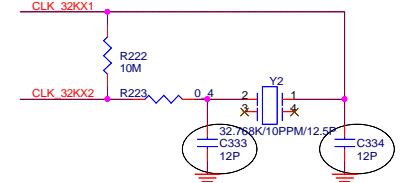
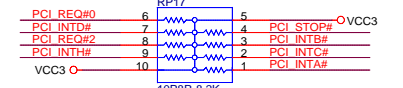
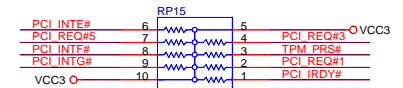
RJ1 Main Board

Date: Thursday, May 26, 2005

Sheet 10 of 36

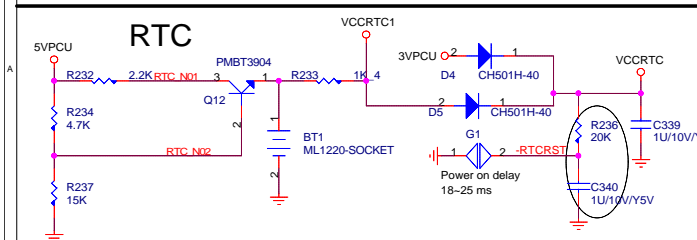
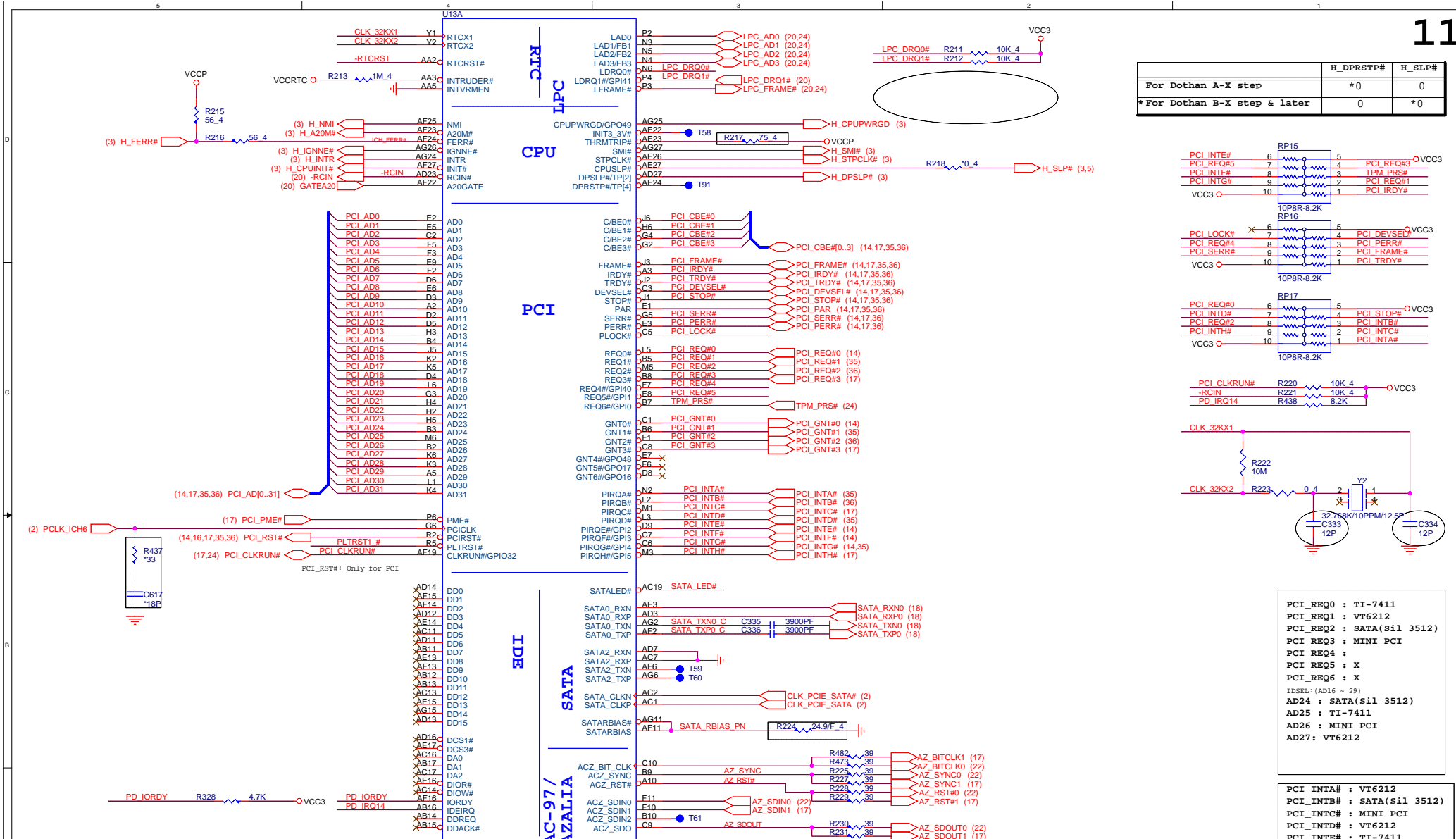
1. This part should not contain any substances which are specified in SS-00259-1.
 2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.

	H_DPRSTP#	H_SLP#
For Dothan A-X step	*0	0
*For Dothan B-X step & later	0	*0



- PCI_REQ0 : TI-7411
- PCI_REQ1 : VT6212
- PCI_REQ2 : SATA(s11 3512)
- PCI_REQ3 : MINI PCI
- PCI_REQ4 : X
- PCI_REQ5 : X
- PCI_REQ6 : X
- IDSEL: (AD16 ~ 29)
- AD24 : SATA(s11 3512)
- AD25 : TI-7411
- AD26 : MINI PCI
- AD27: VT6212

- PCI_INTA# : VT6212
- PCI_INTB# : SATA(s11 3512)
- PCI_INTC# : MINI PCI
- PCI_INTD# : VT6212
- PCI_INTE# : TI-7411
- PCI_INTF# : TI-7411
- PCI_INTG# : TI-7411, VT6212
- PCI_INTH# : MINI PCI



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

Title: ICH6-M

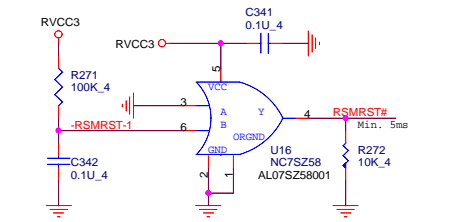
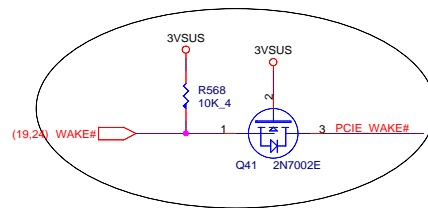
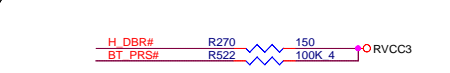
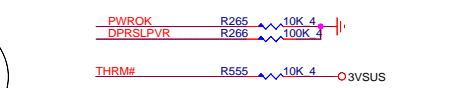
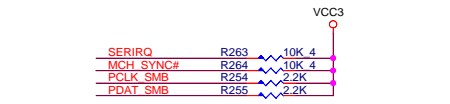
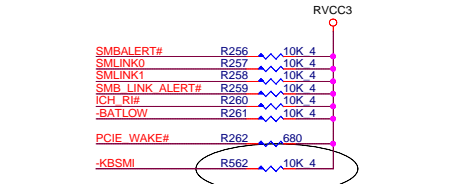
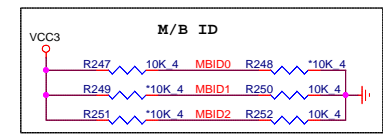
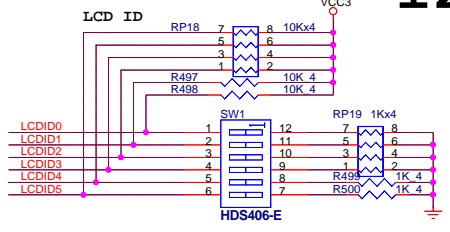
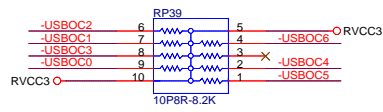
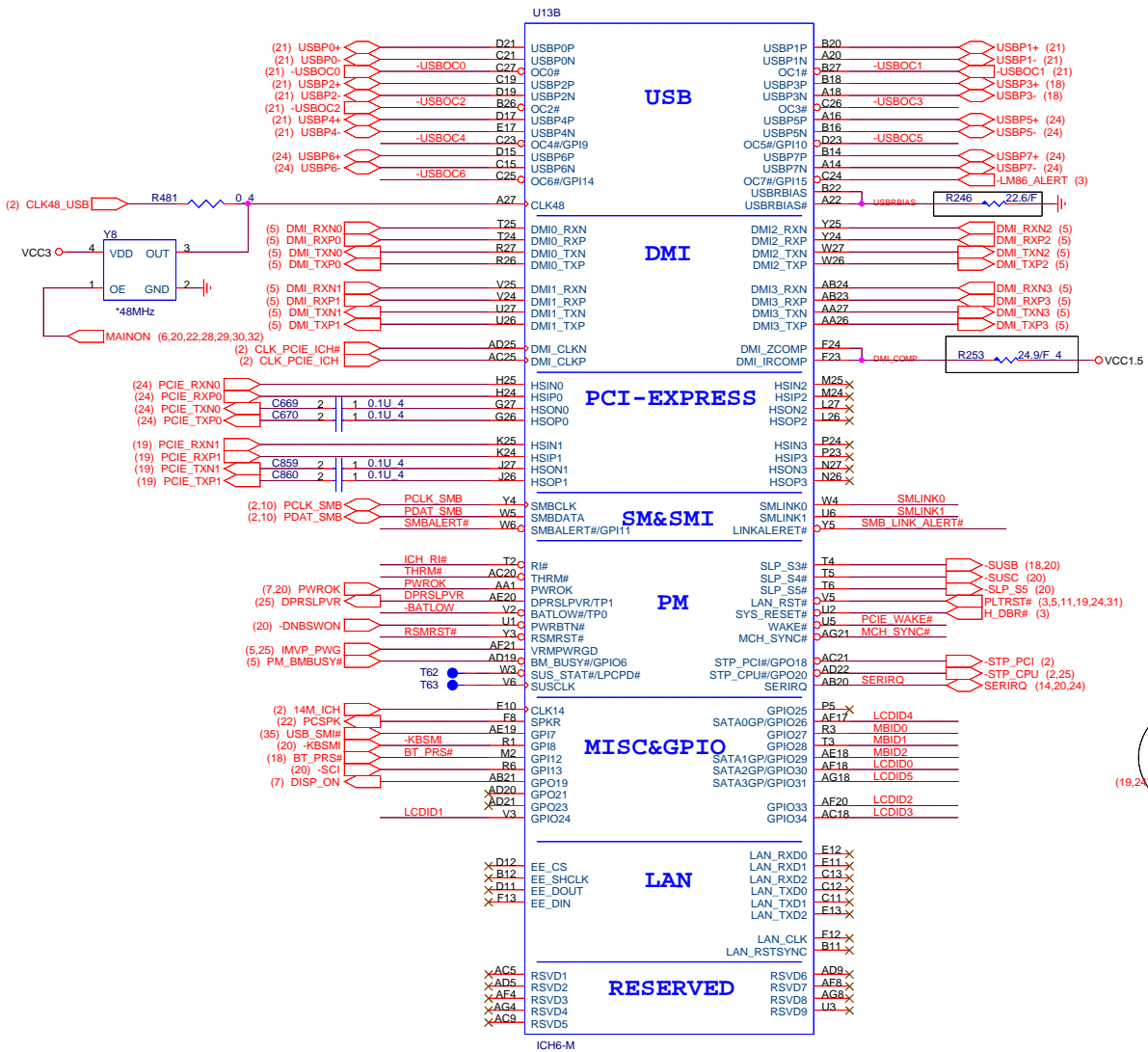
Size: Document Number

Rev: 2A

RJ1 Main Board

Date: Tuesday, May 10, 2005

Sheet 11 of 36



QUANTA COMPUTER

Title: ICH6-M

Size: Document Number

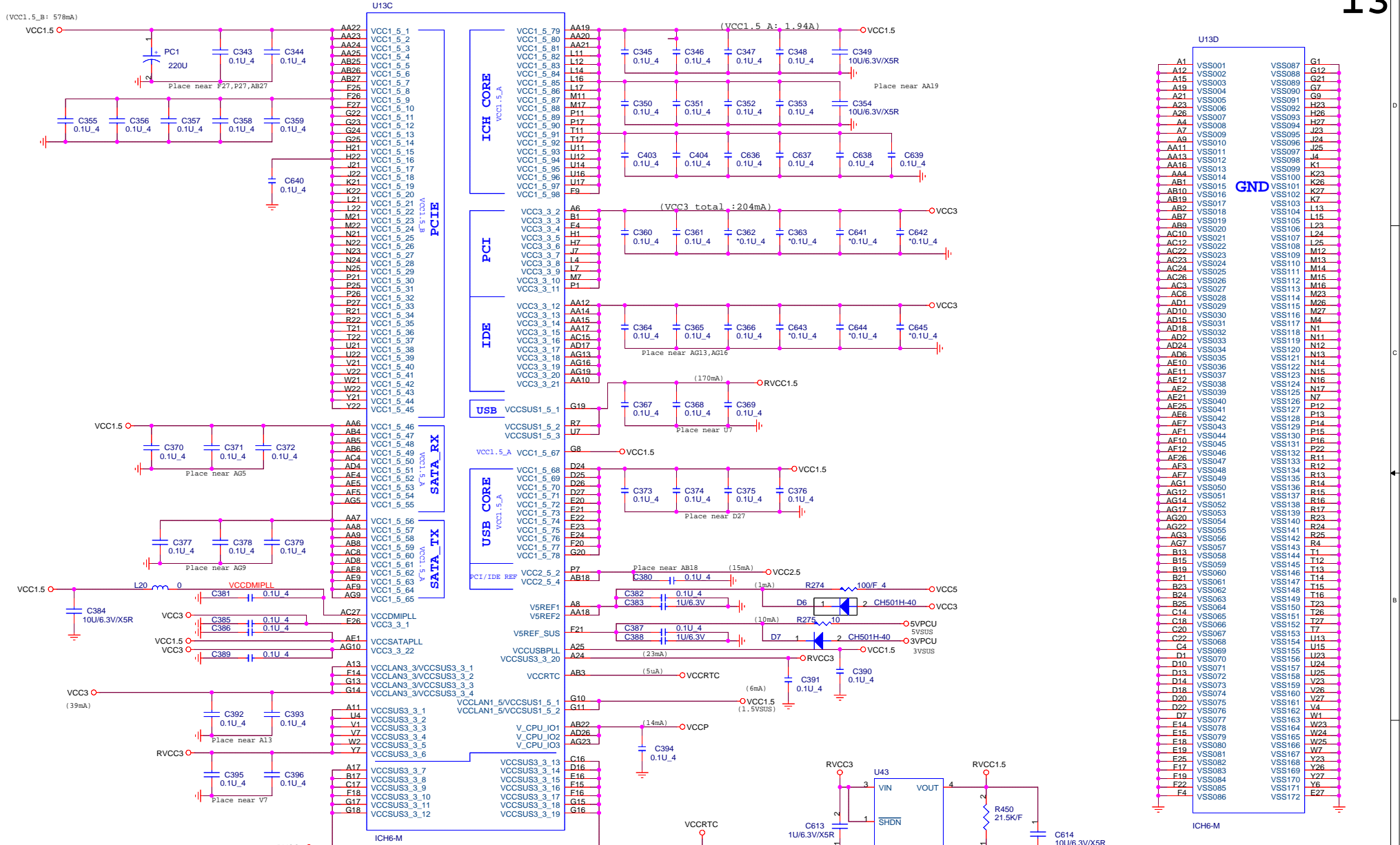
Date: Tuesday, May 10, 2005

Sheet 12 of 36

Rev 2A

Part Number: RJ1 Main Board

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

Title: **ICH6-M**

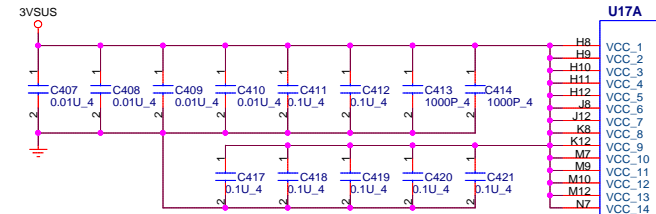
Size: _____ Document Number: _____ Rev: **1A**

Sheet: **13** of 36

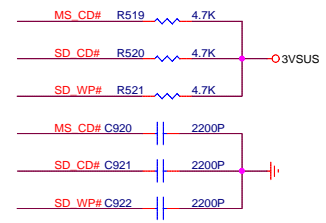
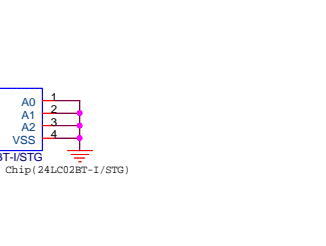
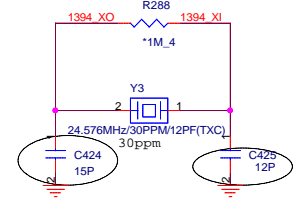
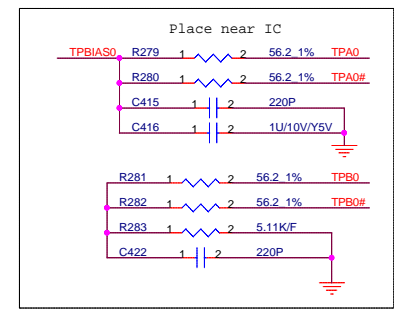
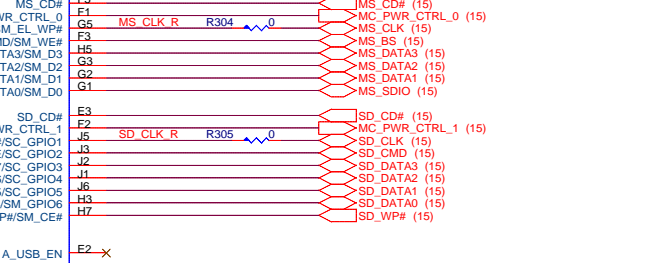
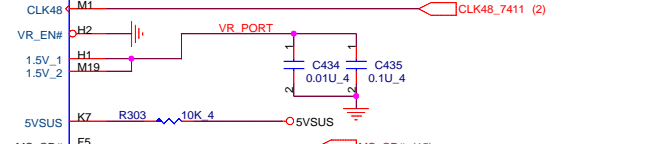
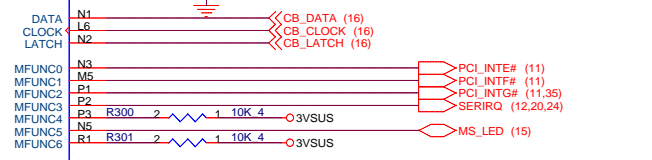
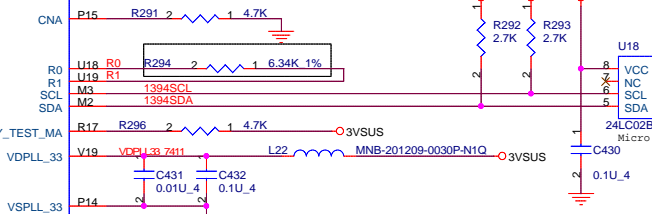
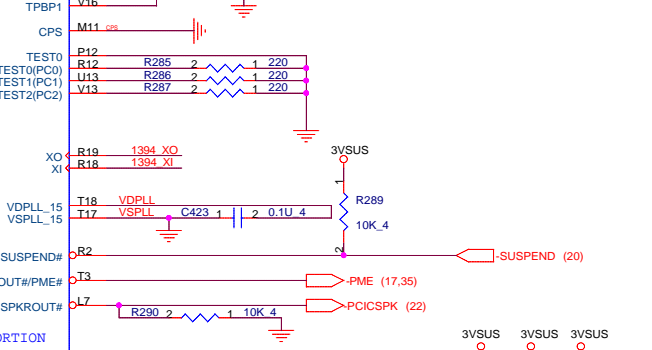
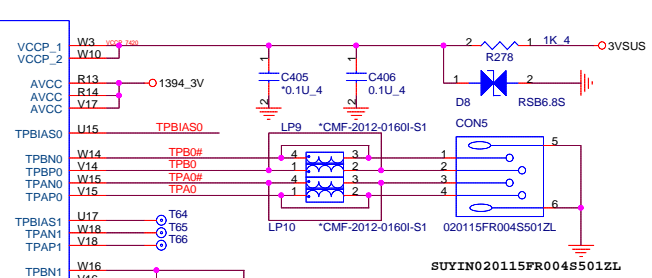
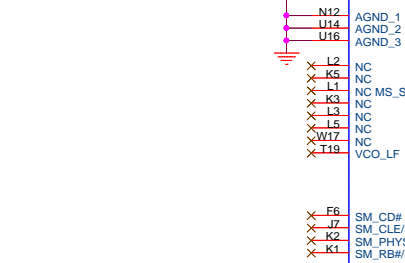
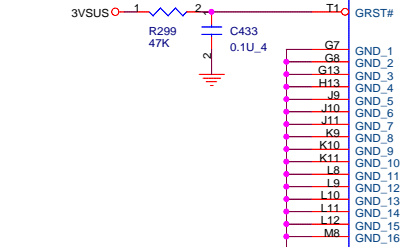
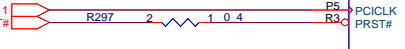
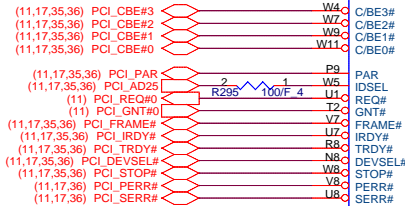
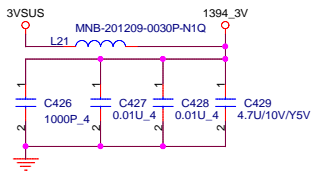
Date: **Friday, April 22, 2005**

Sheet: **RJ1 Main Board**

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



PCI AD31 U2	AD31
PCI AD30 V1	AD30
PCI AD29 V2	AD29
PCI AD28 U3	AD28
PCI AD27 W2	AD27
PCI AD26 V3	AD26
PCI AD25 U4	AD25
PCI AD24 V4	AD24
PCI AD23 V5	AD23
PCI AD22 U5	AD22
PCI AD21 R6	AD21
PCI AD20 P6	AD20
PCI AD19 W6	AD19
PCI AD18 V6	AD18
PCI AD17 U6	AD17
PCI AD16 R7	AD16
PCI AD15 V8	AD15
PCI AD14 U8	AD14
PCI AD13 R9	AD13
PCI AD12 N9	AD12
PCI AD11 V10	AD11
PCI AD10 U10	AD10
PCI AD9 R10	AD9
PCI AD8 N10	AD8
PCI AD7 V11	AD7
PCI AD6 U11	AD6
PCI AD5 R11	AD5
PCI AD4 W12	AD4
PCI AD3 V12	AD3
PCI AD2 U12	AD2
PCI AD1 N11	AD1
PCI AD0 W13	AD0



QUANTA COMPUTER

Title: **TI-7411 CardBus Control -- A**

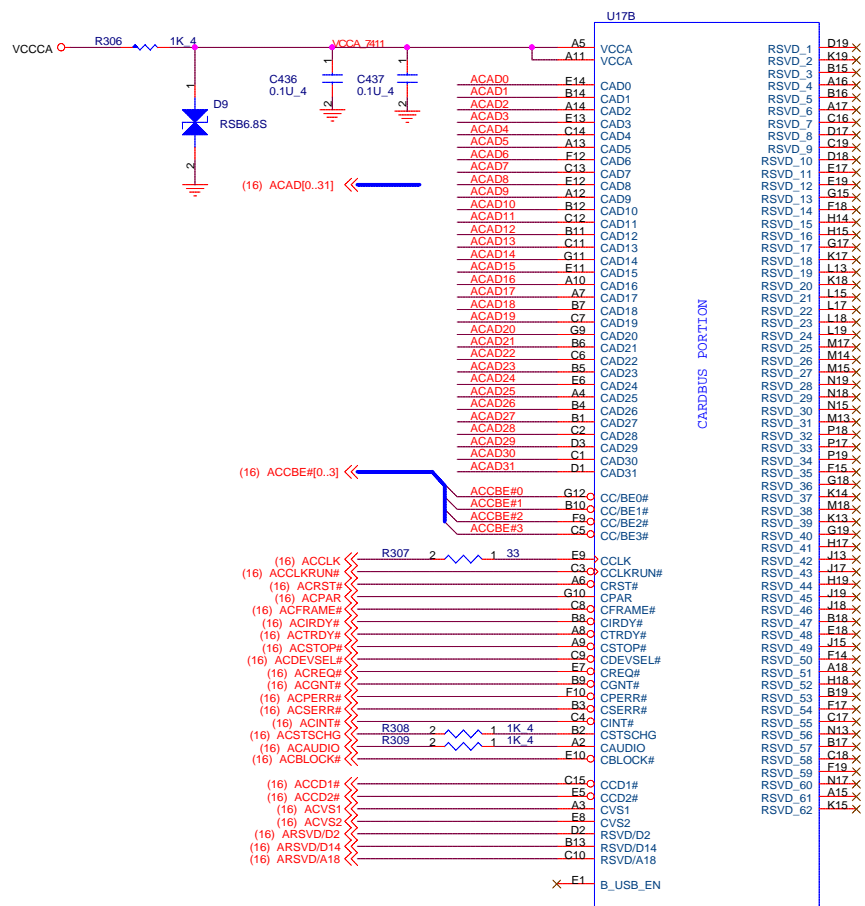
Size: Document Number

Date: Thursday, May 26, 2005

Sheet 14 of 36

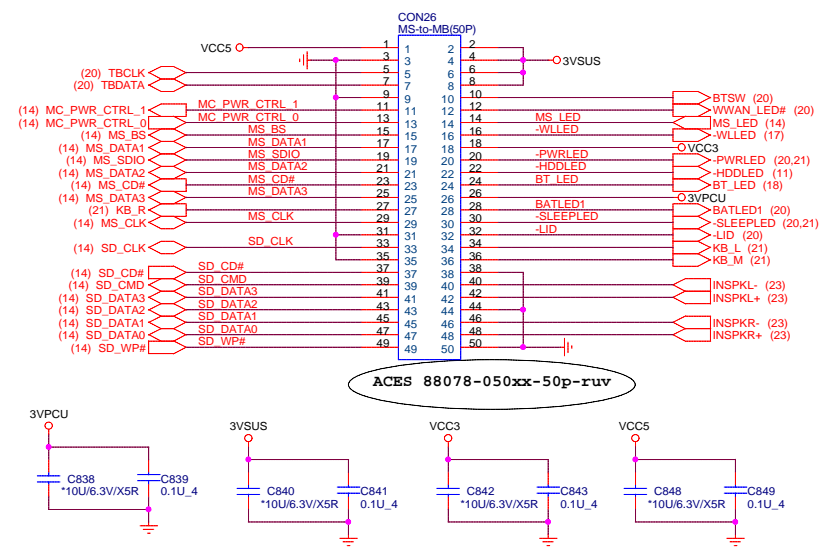
Rev 2A

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.



CARDBUS PORTION

TI_7411



ACES 88078-050xx-50p-ruv

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.

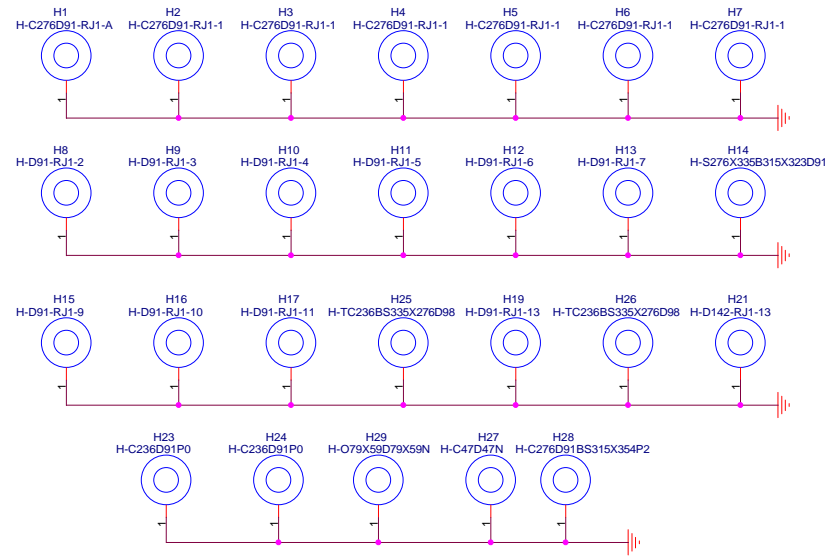
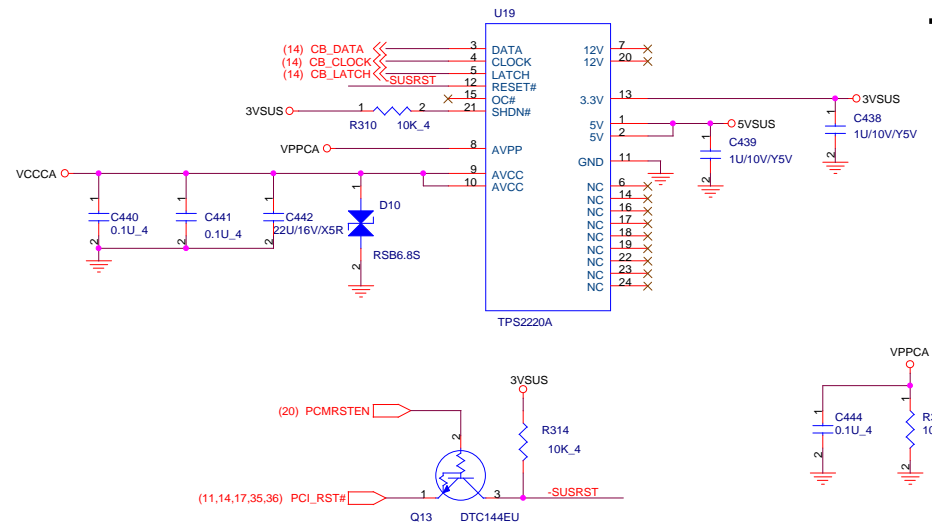
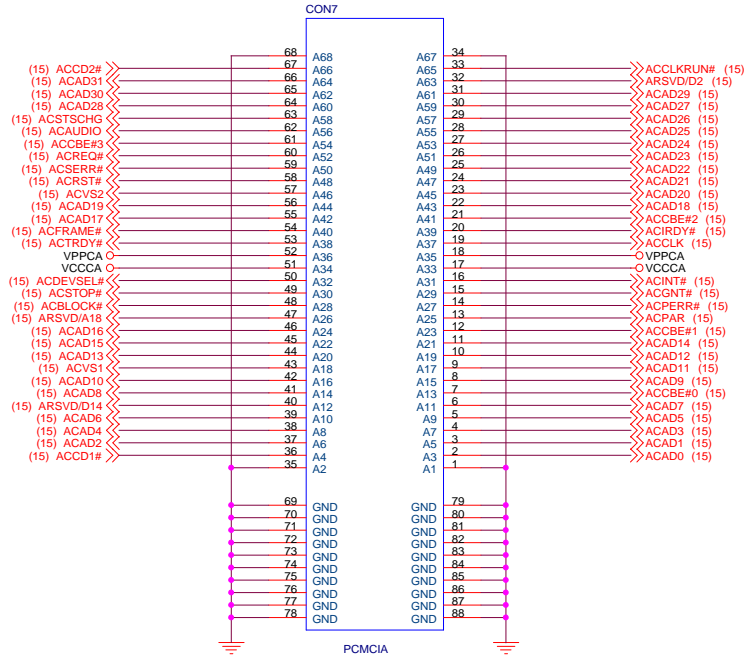
QUANTA COMPUTER

Title: **TI-7411 CardBus Control -- B**

Size: Document Number **RJ1 Main Board** Rev 1A

Date: Thursday, May 26, 2005 Sheet 15 of 36

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



QUANTA COMPUTER

Title: **CARDBUS SLOT**

Size: Document Number

Date: Thursday, May 26, 2005

Sheet 16 of 36

Rev 1A

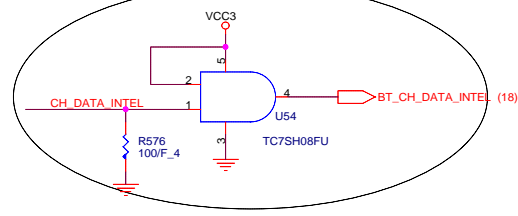
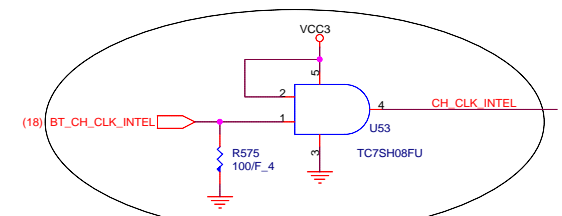
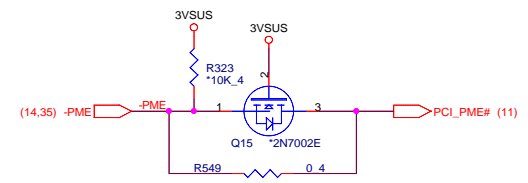
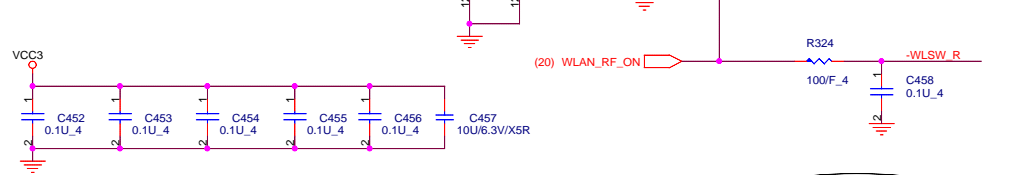
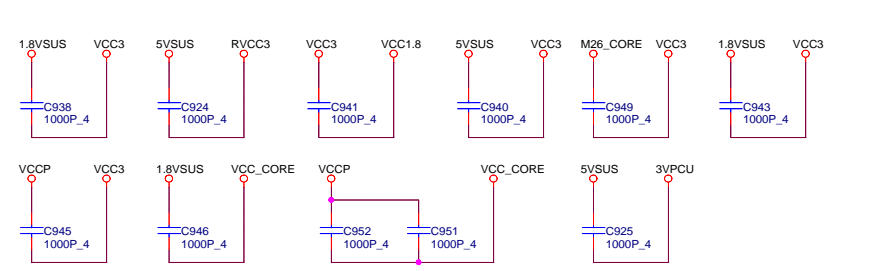
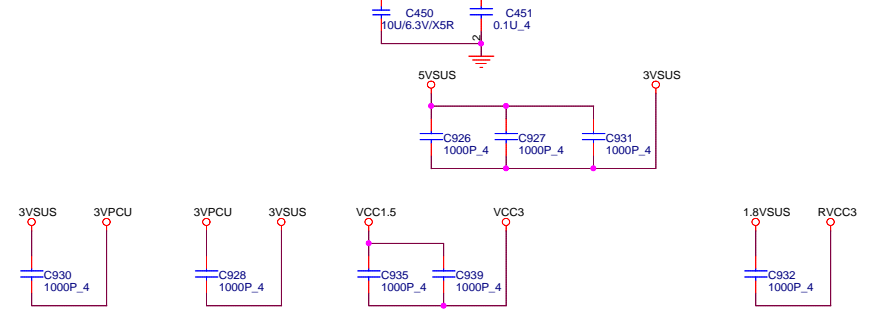
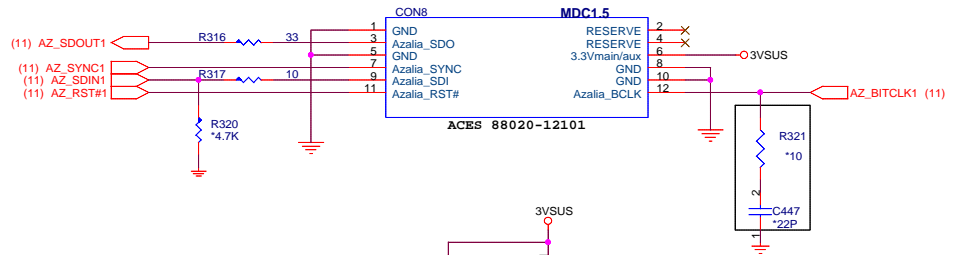
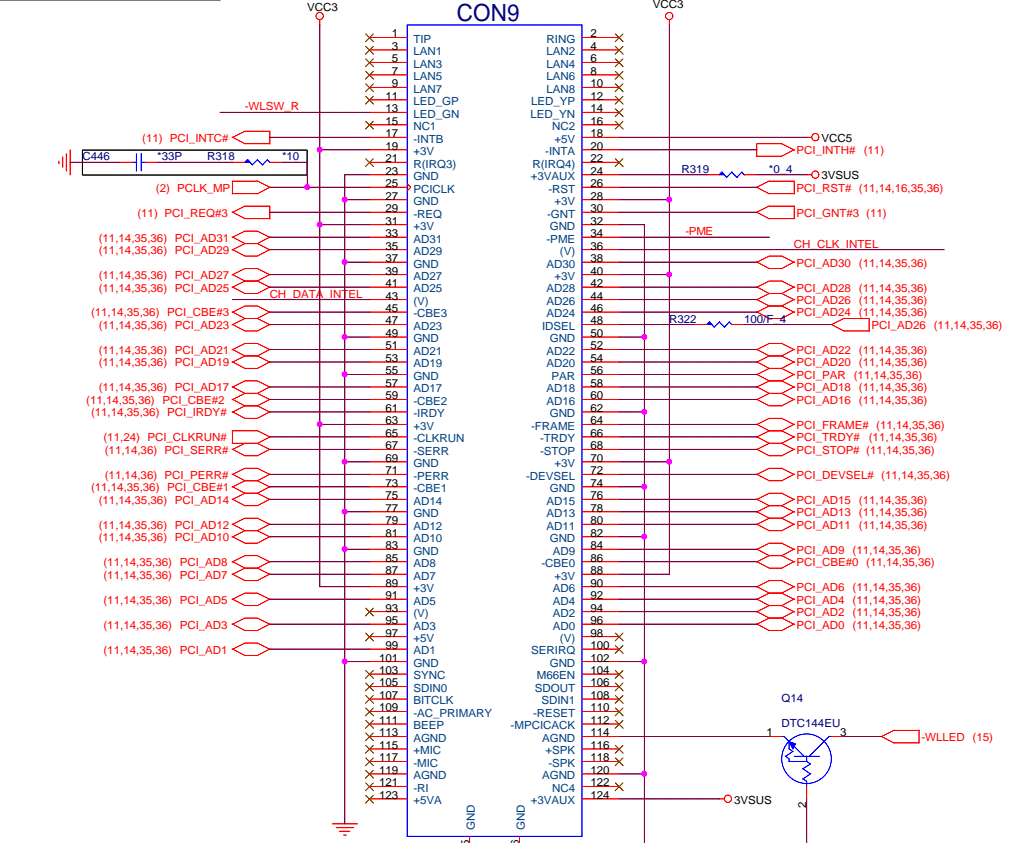
Part Number: **RJ1 Main Board**

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
 every 3 sec.
 WLSW?
 Low : disable the radio.
 High : Enable the radio.

AMP 1734835-2
 MINIPCI H=6.7



QUANTA COMPUTER

Title: **MINIPCI /MDC**

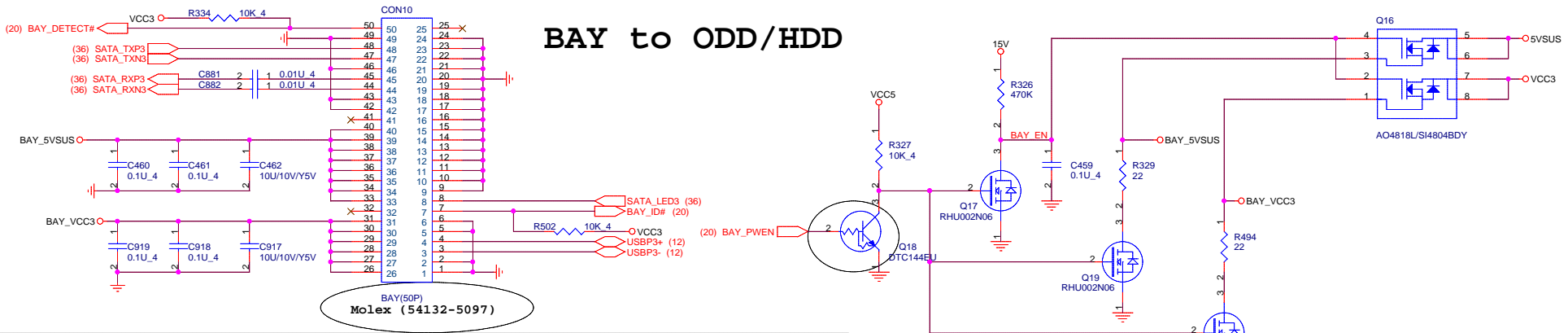
Size: Document Number

Rev 2A

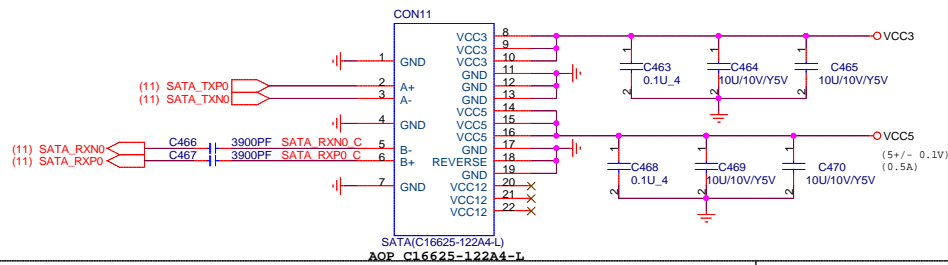
Date: Tuesday, May 10, 2005 Sheet 17 of 36

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.

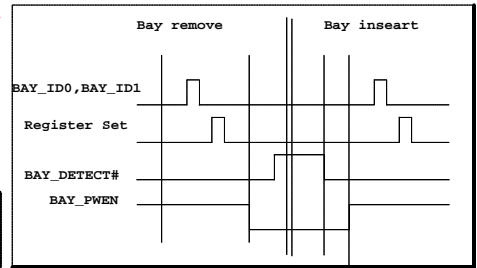
BAY to ODD/HDD



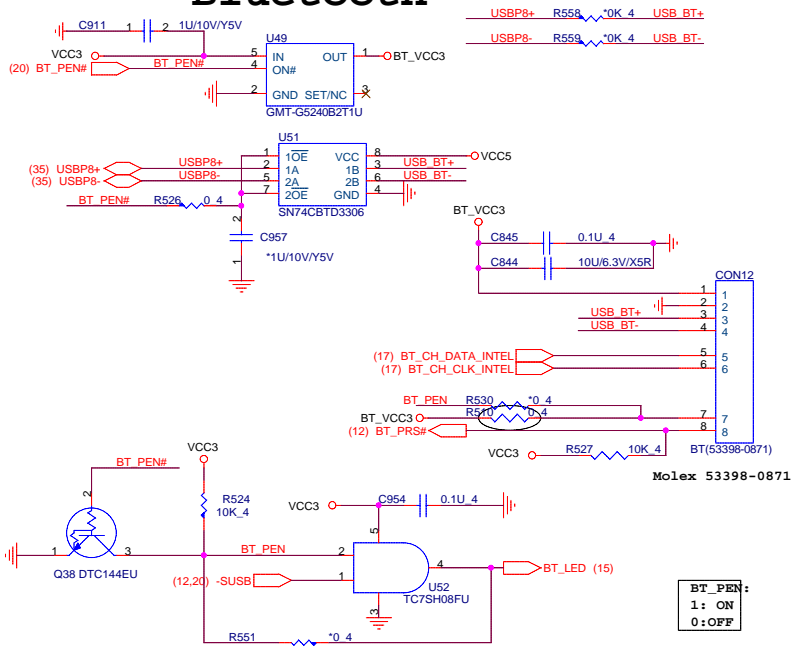
HDD CONNECTOR



BAY_ID#	
0	SATA Device
1	USB Device

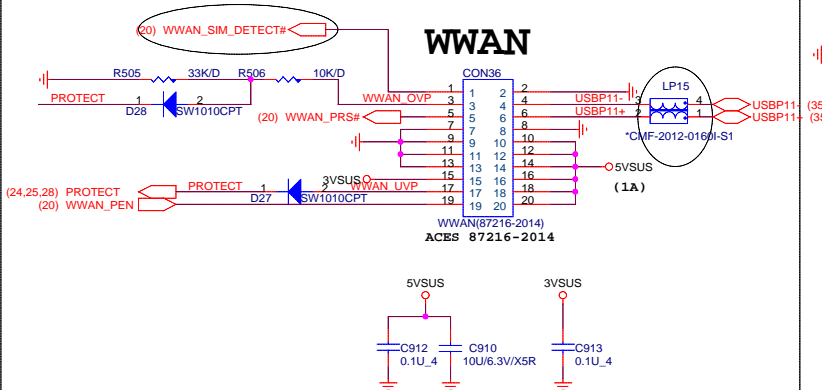


Bluetooth

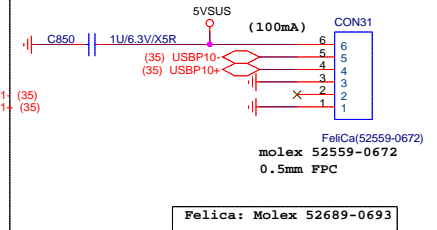


BT_PEN#:
1: ON
0: OFF

WWAN



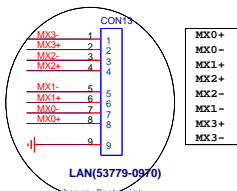
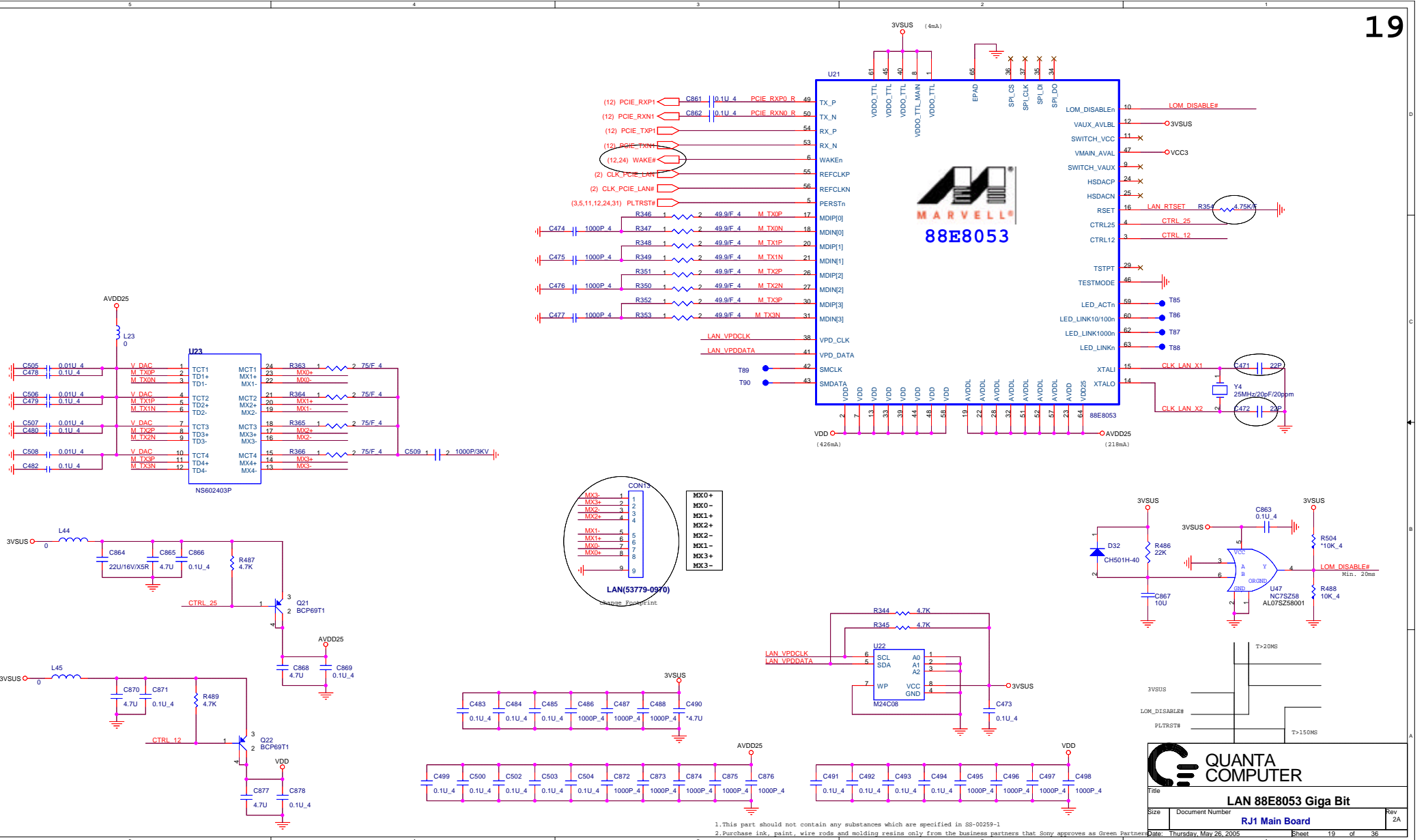
Felica



Felica: Molex 52689-0693



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

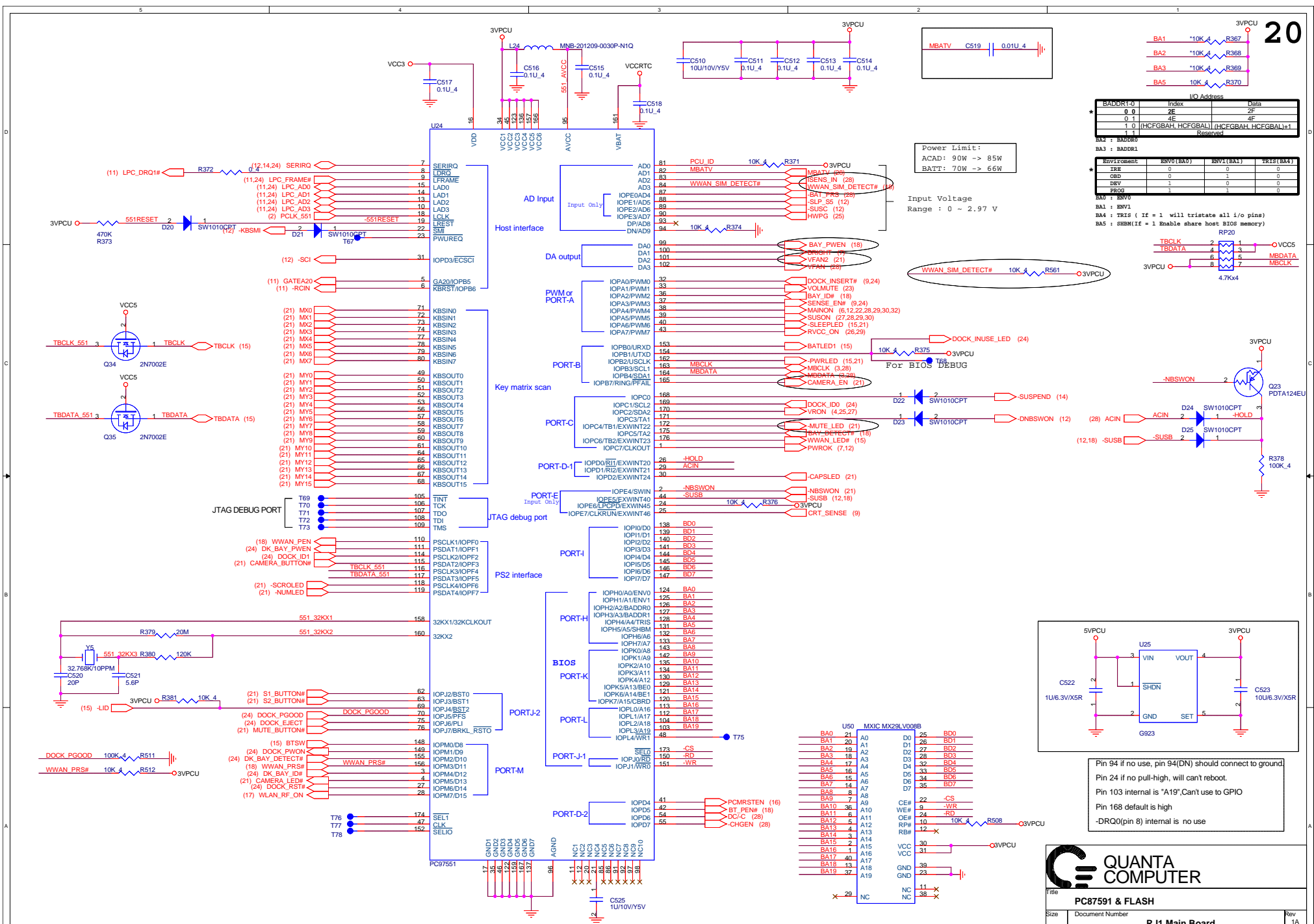
LAN 88E8053 Giga Bit

RJ1 Main Board

Rev 2A

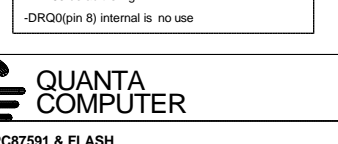
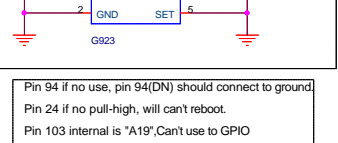
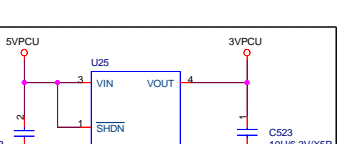
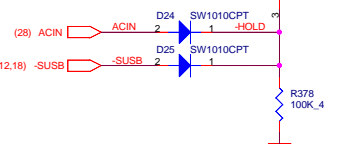
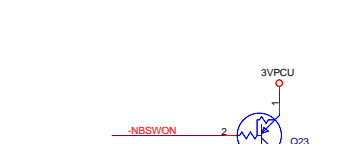
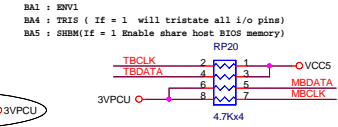
Date: Thursday, May 26, 2005 Sheet 19 of 36

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



BADDR1-D	Index	Data
0 0	2E	2F
0 1	4E	4F
1 0	(HCFG8BAH, HCFG8BAL) / (HCFG8BAH, HCFG8BAL+1)	
1 1	Reserved	

Environment	ENV0(BA0)	ENV1(BA1)	ENV2(BA2)
IRE	0	0	0
OB0	0	1	0
DEV	1	0	0
PROG	1	1	0



U50	MXIC MX29LV008B
BA0	21 A0
BA1	20 A1
BA2	19 A2
BA3	18 A3
BA4	17 A4
BA5	16 A5
BA6	15 A6
BA7	14 A7
BA8	13 A8
BA9	12 A9
BA10	11 A10
BA11	10 A11
BA12	9 A12
BA13	8 A13
BA14	7 A14
BA15	6 A15
BA16	5 A16
BA17	4 A17
BA18	3 A18
BA19	2 A19
NC	1 NC
NC	0 NC
NC	-1 NC
NC	-2 NC
NC	-3 NC
NC	-4 NC
NC	-5 NC
NC	-6 NC
NC	-7 NC
NC	-8 NC
NC	-9 NC
NC	-10 NC
NC	-11 NC
NC	-12 NC
NC	-13 NC
NC	-14 NC
NC	-15 NC
NC	-16 NC
NC	-17 NC
NC	-18 NC
NC	-19 NC
NC	-20 NC
NC	-21 NC
NC	-22 NC
NC	-23 NC
NC	-24 NC
NC	-25 NC
NC	-26 NC
NC	-27 NC
NC	-28 NC
NC	-29 NC
NC	-30 NC
NC	-31 NC
NC	-32 NC
NC	-33 NC
NC	-34 NC
NC	-35 NC
NC	-36 NC
NC	-37 NC
NC	-38 NC
NC	-39 NC
NC	-40 NC
NC	-41 NC
NC	-42 NC
NC	-43 NC
NC	-44 NC
NC	-45 NC
NC	-46 NC
NC	-47 NC
NC	-48 NC
NC	-49 NC
NC	-50 NC
NC	-51 NC
NC	-52 NC
NC	-53 NC
NC	-54 NC
NC	-55 NC
NC	-56 NC
NC	-57 NC
NC	-58 NC
NC	-59 NC
NC	-60 NC
NC	-61 NC
NC	-62 NC
NC	-63 NC
NC	-64 NC
NC	-65 NC
NC	-66 NC
NC	-67 NC
NC	-68 NC
NC	-69 NC
NC	-70 NC
NC	-71 NC
NC	-72 NC
NC	-73 NC
NC	-74 NC
NC	-75 NC
NC	-76 NC
NC	-77 NC
NC	-78 NC
NC	-79 NC
NC	-80 NC
NC	-81 NC
NC	-82 NC
NC	-83 NC
NC	-84 NC
NC	-85 NC
NC	-86 NC
NC	-87 NC
NC	-88 NC
NC	-89 NC
NC	-90 NC
NC	-91 NC
NC	-92 NC
NC	-93 NC
NC	-94 NC
NC	-95 NC
NC	-96 NC
NC	-97 NC
NC	-98 NC
NC	-99 NC
NC	-100 NC

Pin 94 if no use, pin 94(DN) should connect to ground
 Pin 24 if no pull-high, will cant reboot.
 Pin 103 internal is "A19", Can't use to GPIO
 Pin 168 default is high
 -DRQ0(pin 8) internal is no use

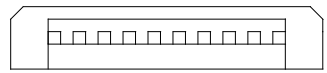
QUANTA COMPUTER

Title: **PC87591 & FLASH**

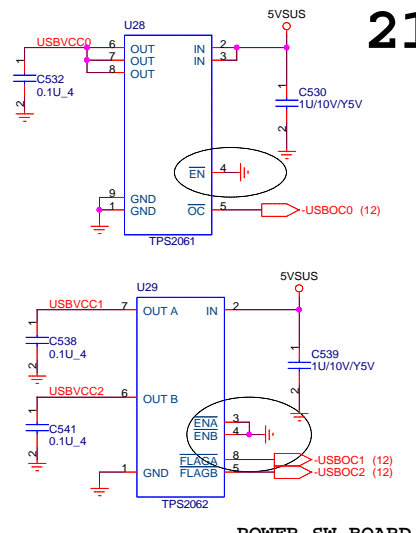
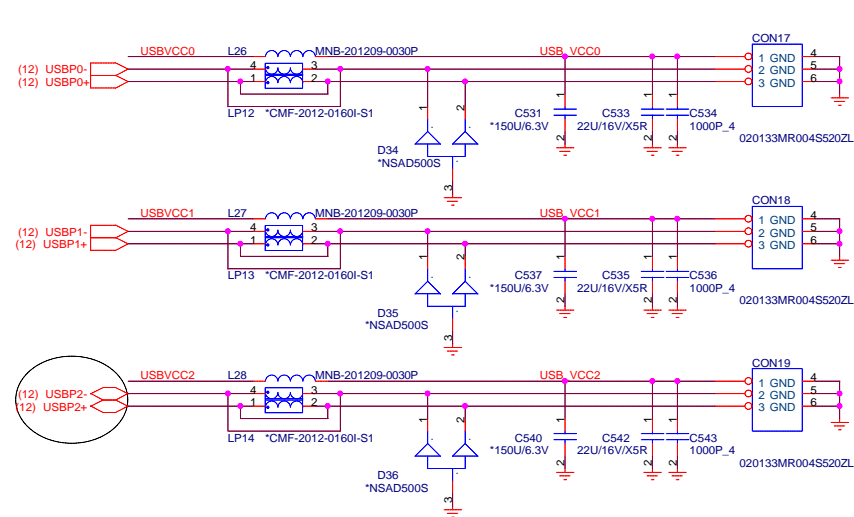
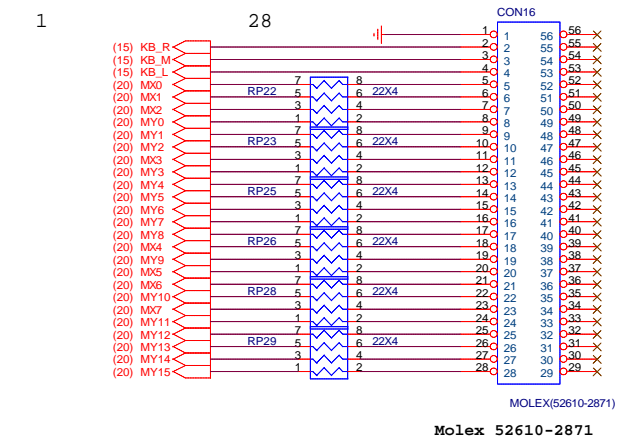
Size: Document Number: **RJ1 Main Board** Rev 1A

Date: Tuesday, May 10, 2005 Sheet 20 of 36

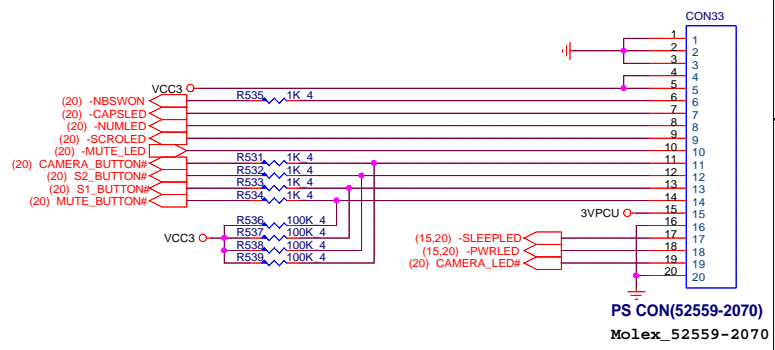
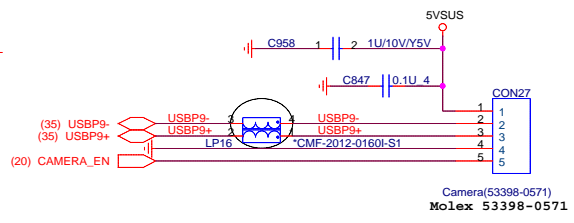
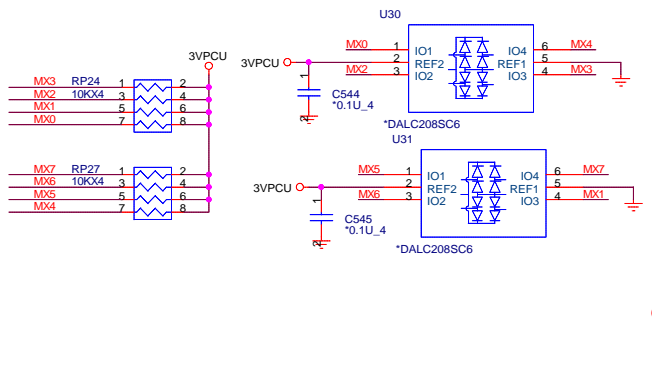
1. This part should not contain any substances which are specified in SS-00259-1
 2. Purchase ink, paint, wire rods and molding resin only from the business partners that Sony approves as Green Partners.



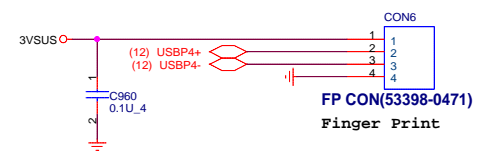
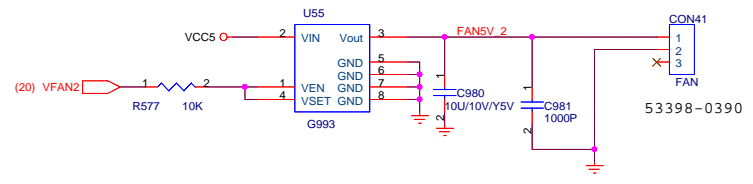
KEYBOARD



USB Camera

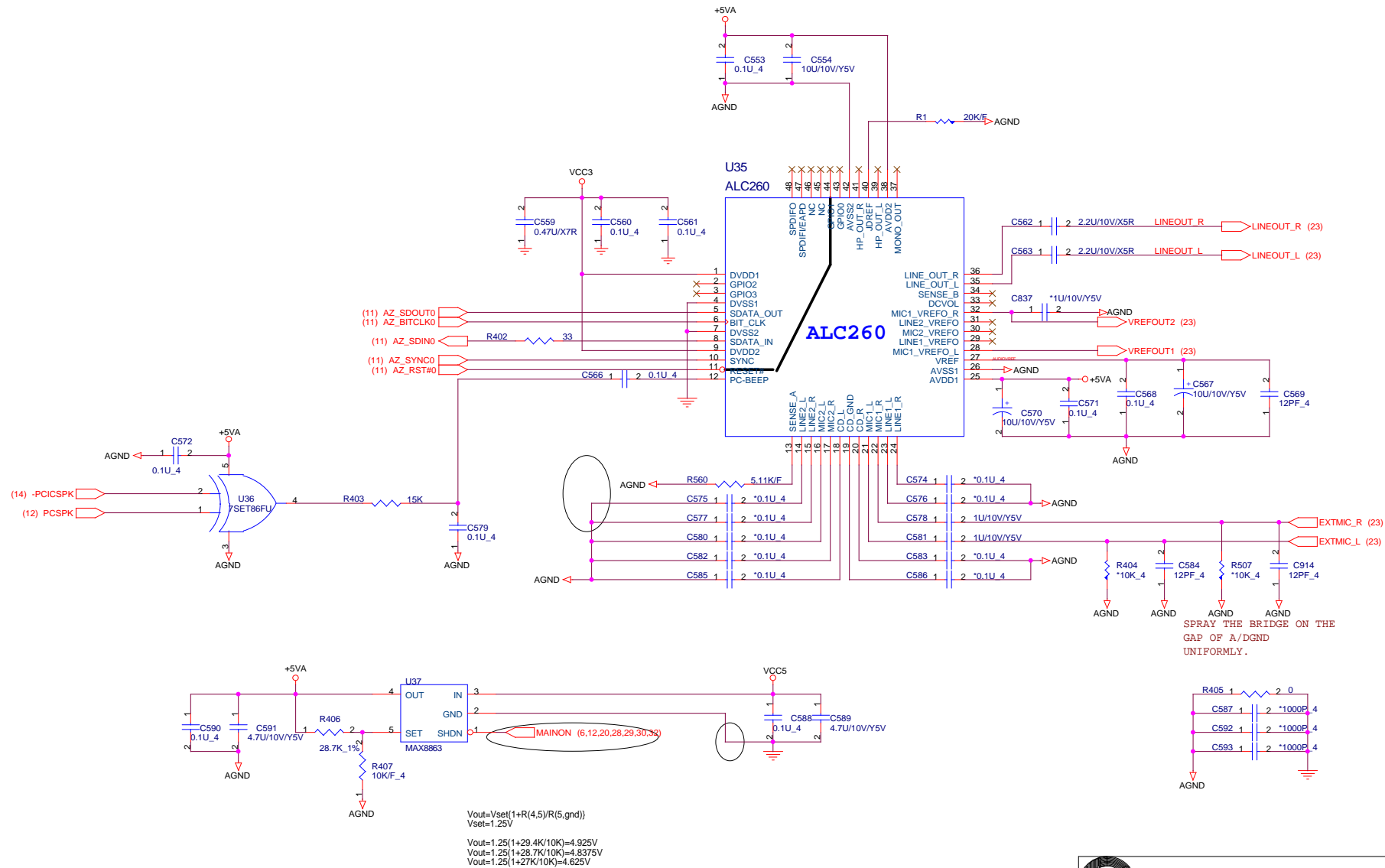


2nd FAN UNIT



Title K/B ,USB			Rev 2A
Size	Document Number	Rev	
Date: Tuesday, May 10, 2005			Sheet 21 of 36

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.

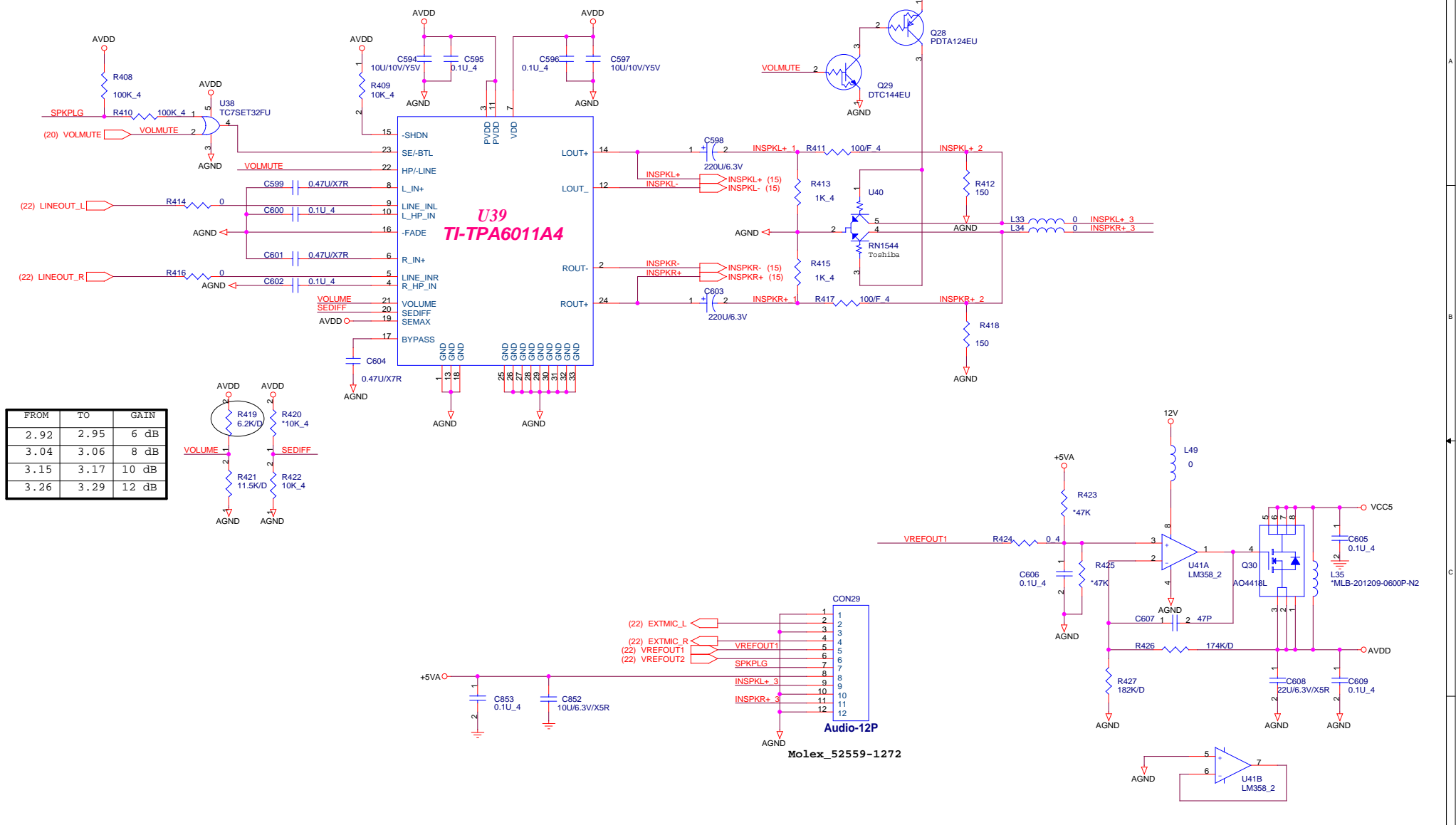


Title			Rev
Audio ALC260			2A
Size	Document Number	Date: Thursday, May 26, 2005	
RJ1 Audio Board		Sheet	22 of 36

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.

Audio amplifier



FROM	TO	GAIN
2.92	2.95	6 dB
3.04	3.06	8 dB
3.15	3.17	10 dB
3.26	3.29	12 dB

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.



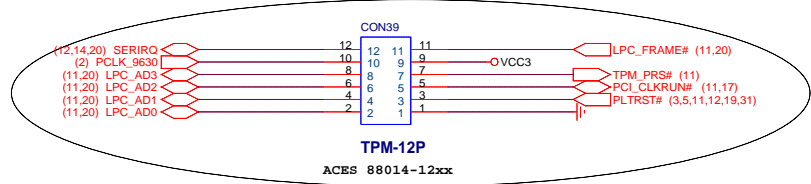
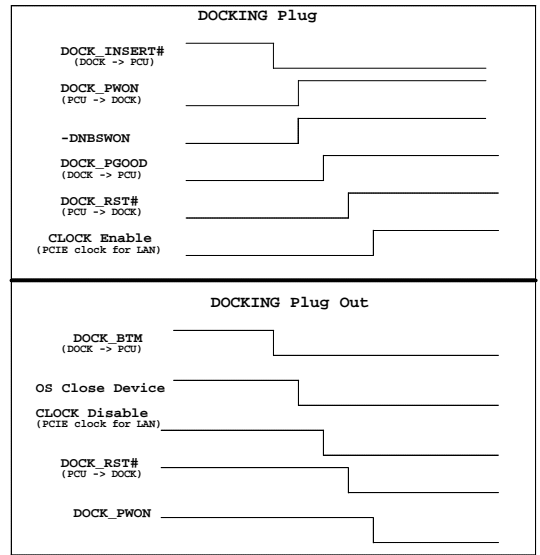
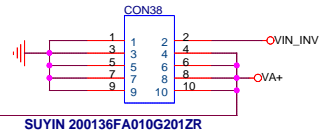
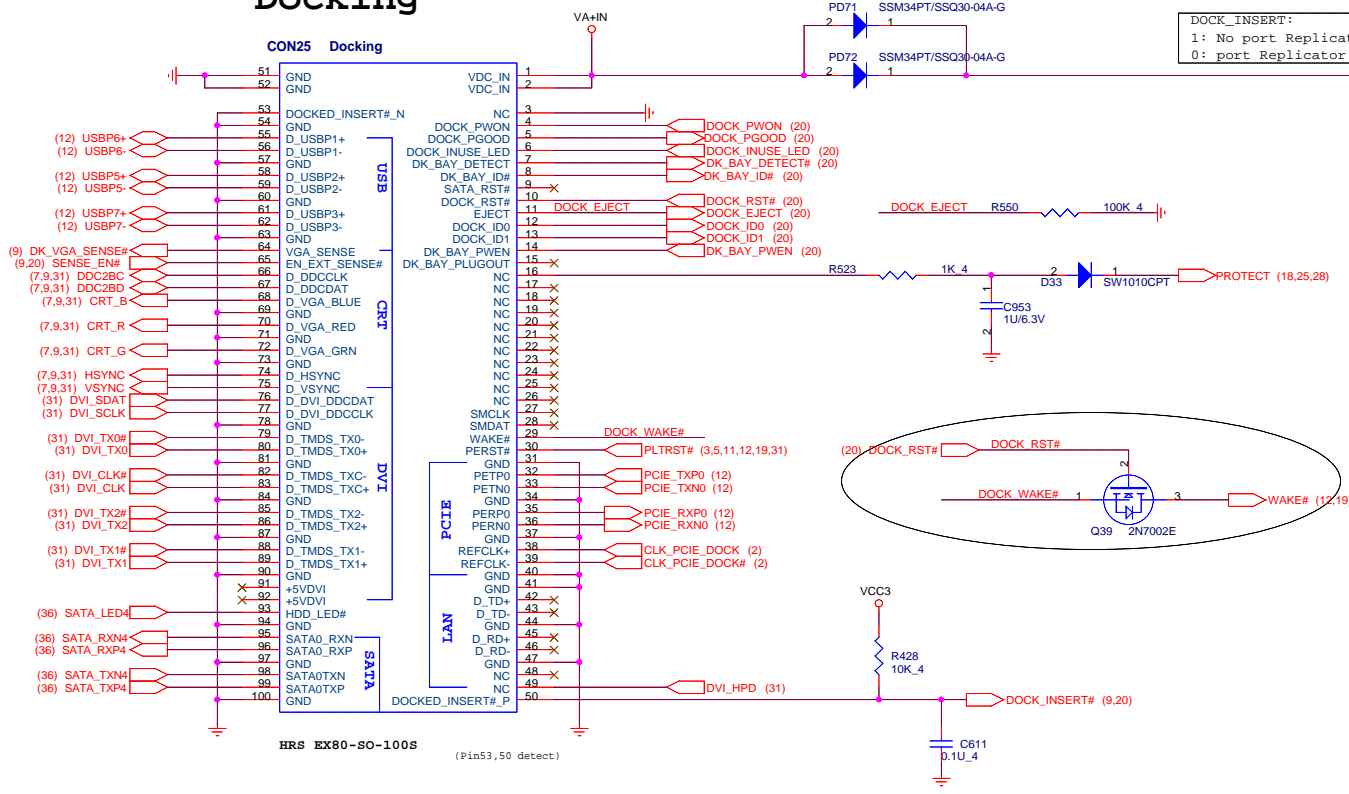
**QUANTA
COMPUTER**

Title: **AUDIO AMP**

Size: _____ Document Number: **RJ1 Audio Board** Rev 1A

Date: Thursday, May 26, 2005 Sheet 23 of 36

Docking



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

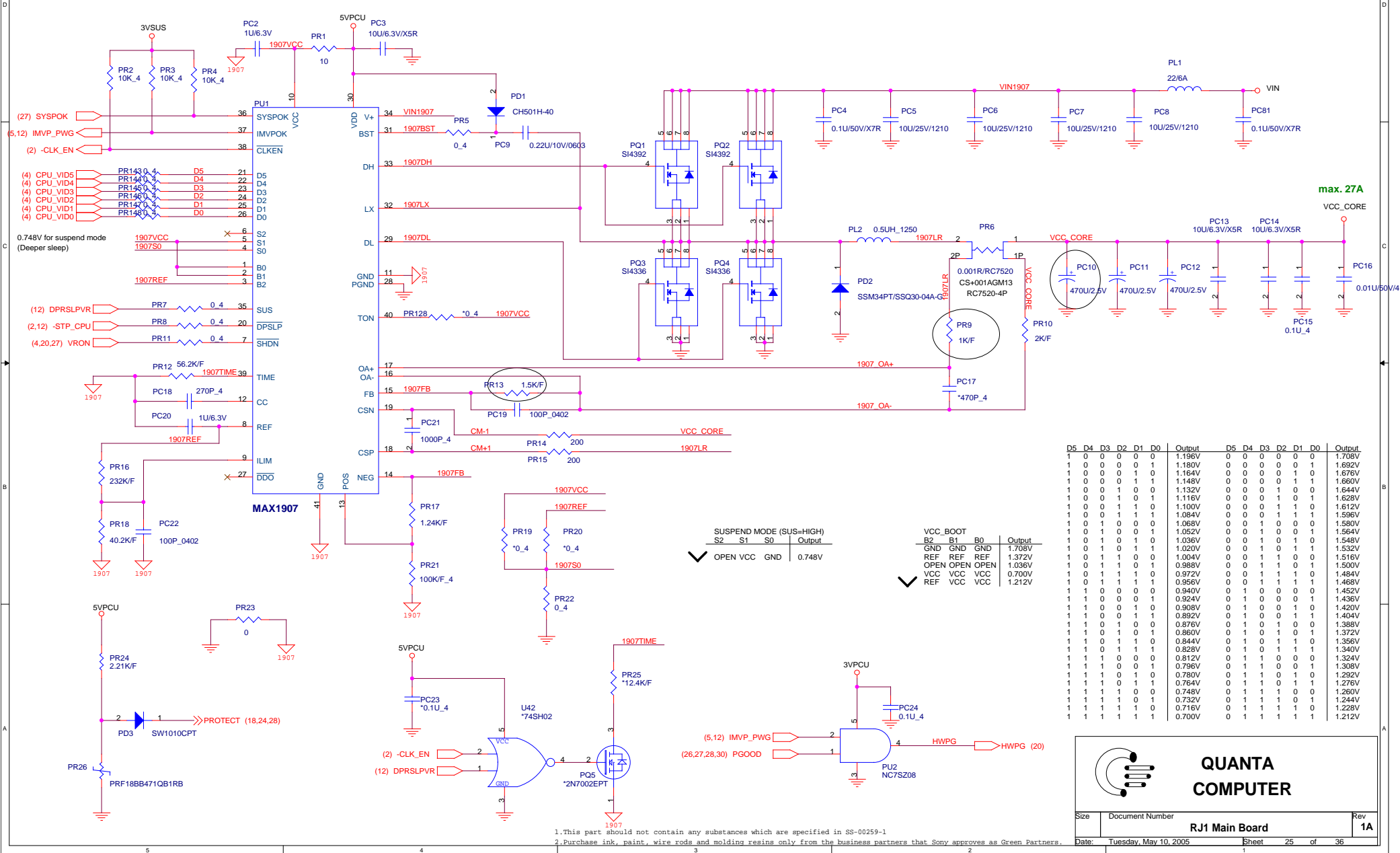
Title: **Docking/TPM**

Size: Document Number: _____ Rev 2A

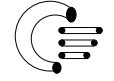
_____ **RJ1 Main Board**

Date: Tuesday, May 10, 2005 Sheet 24 of 36

CPU CORE

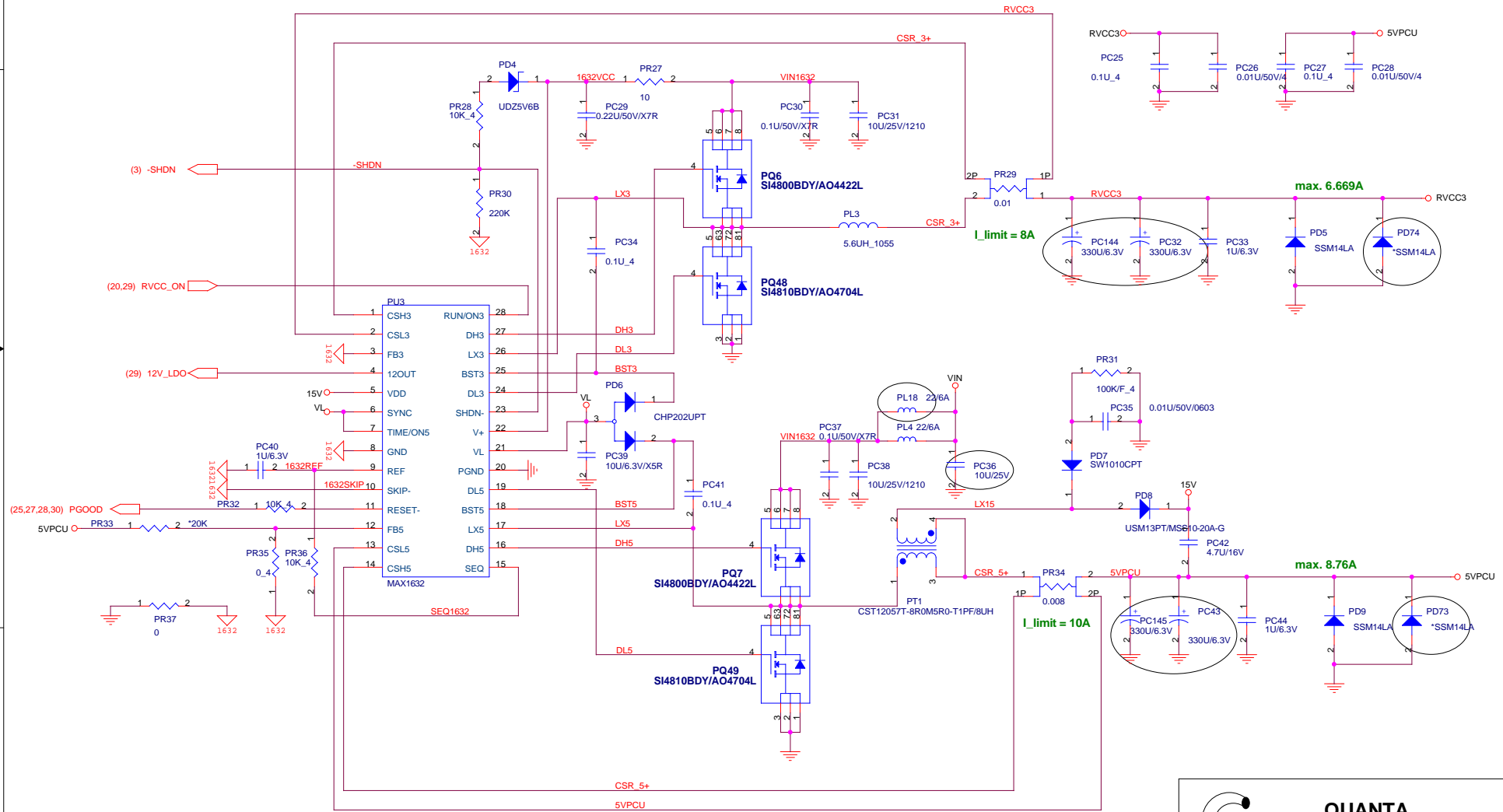


1. This part should not contain any substances which are specified in SS-00259-1
 2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.



QUANTA COMPUTER

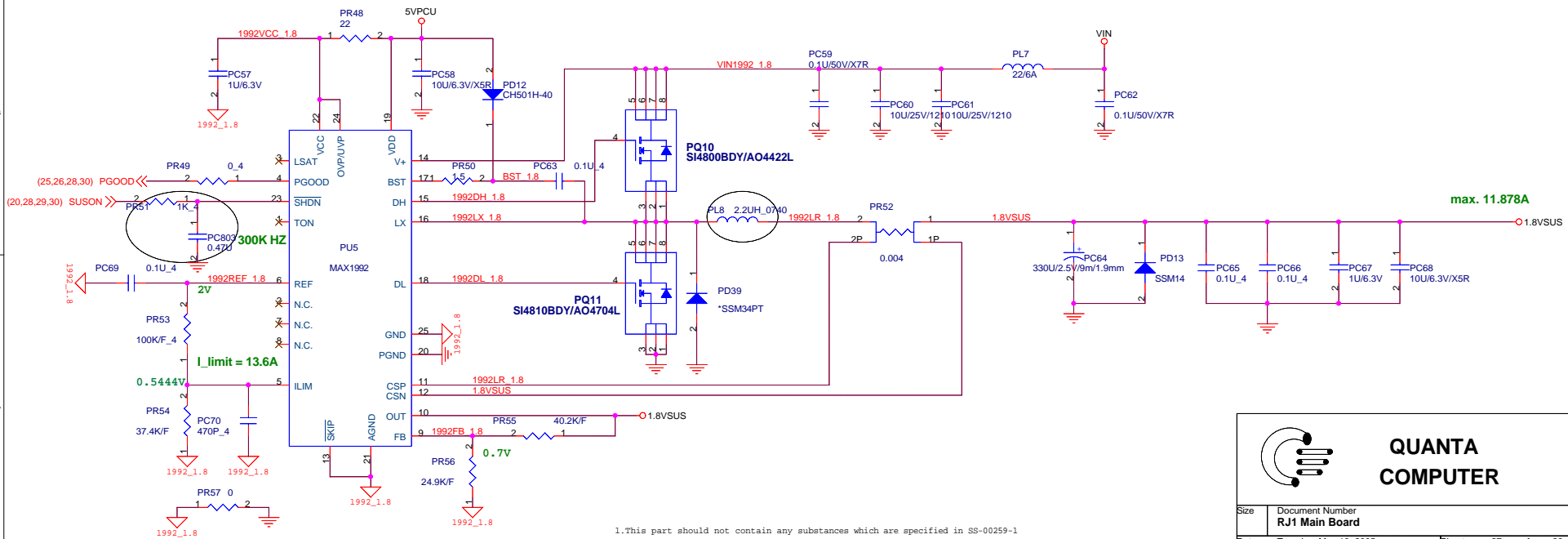
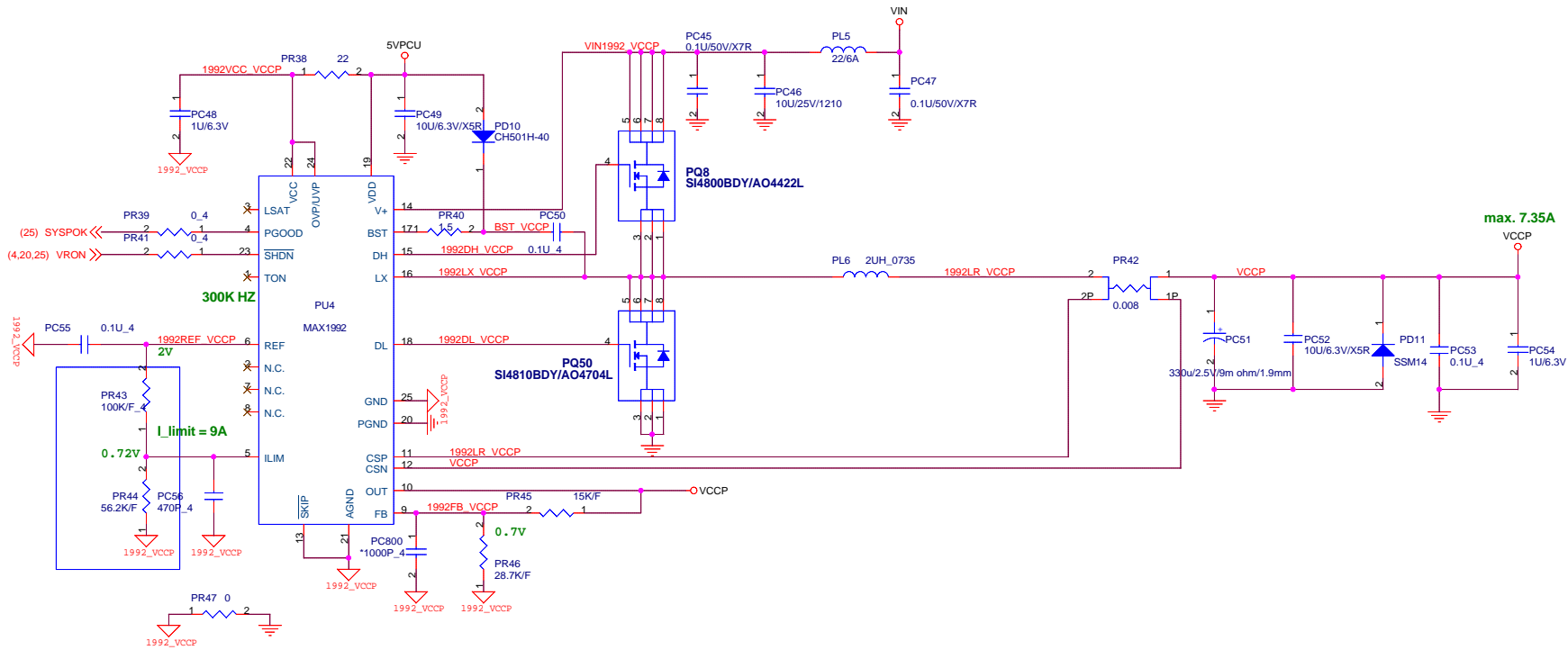
Size	Document Number	Rev
	RJ1 Main Board	1A
Date:	Tuesday, May 10, 2005	Sheet 25 of 36



QUANTA COMPUTER

Size	Document Number	RJ1 Main Board	Rev	2A
Date: Tuesday, May 10, 2005		Sheet 26 of 36		

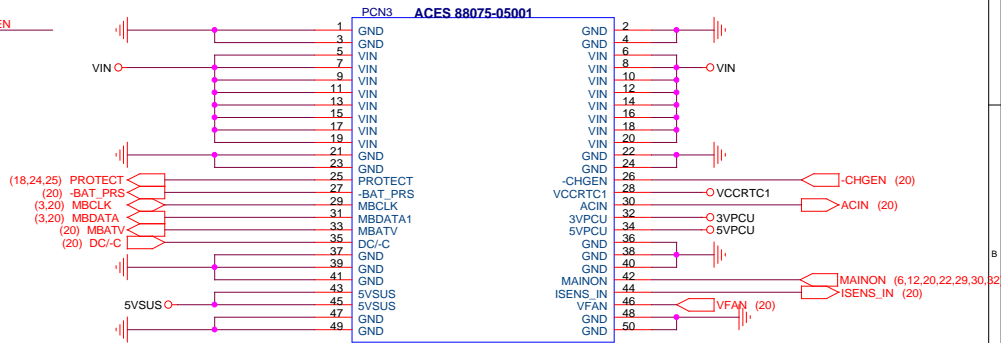
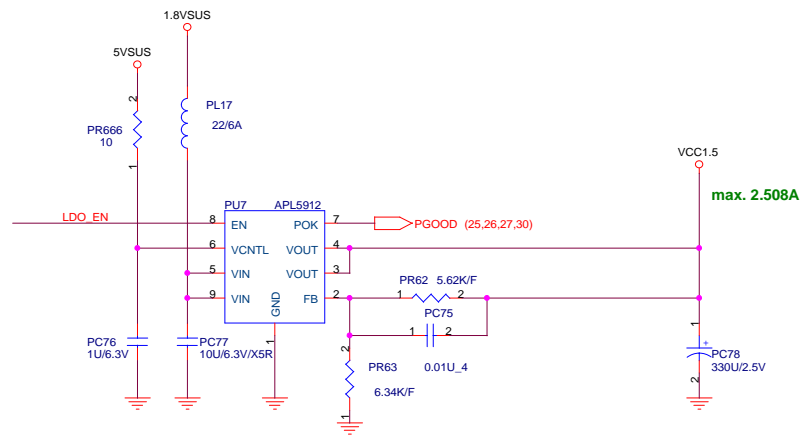
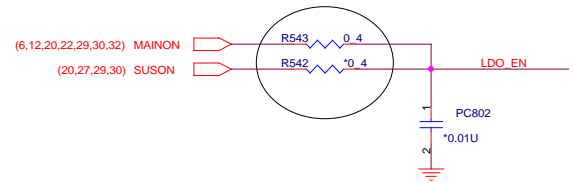
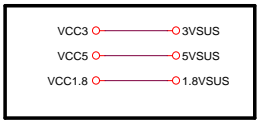
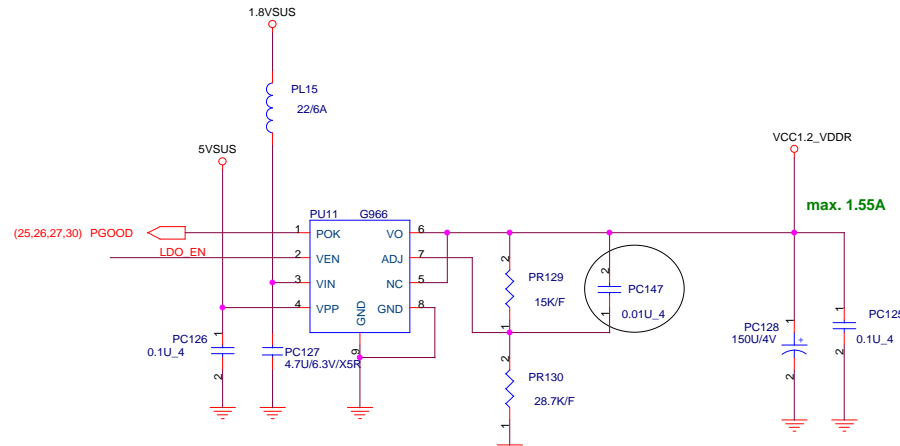
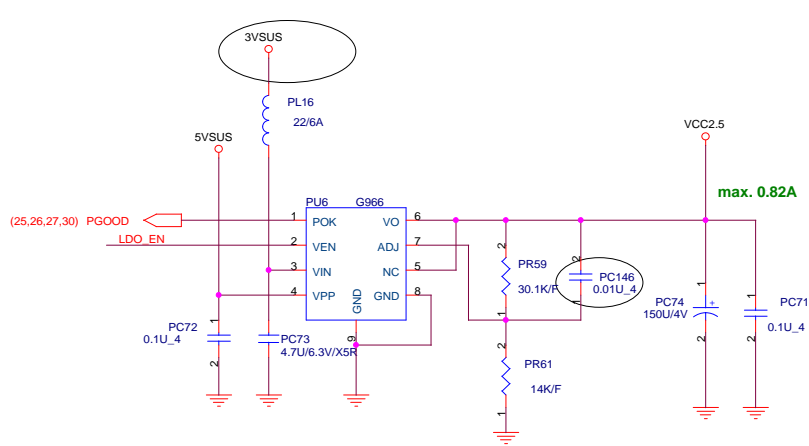
1. This part should not contain any substances which are specified in SS-00259-1
 2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.



**QUANTA
COMPUTER**

Size	Document Number	Rev
RJ1 Main Board		2A
Date: Tuesday, May 10, 2005		Sheet 27 of 36

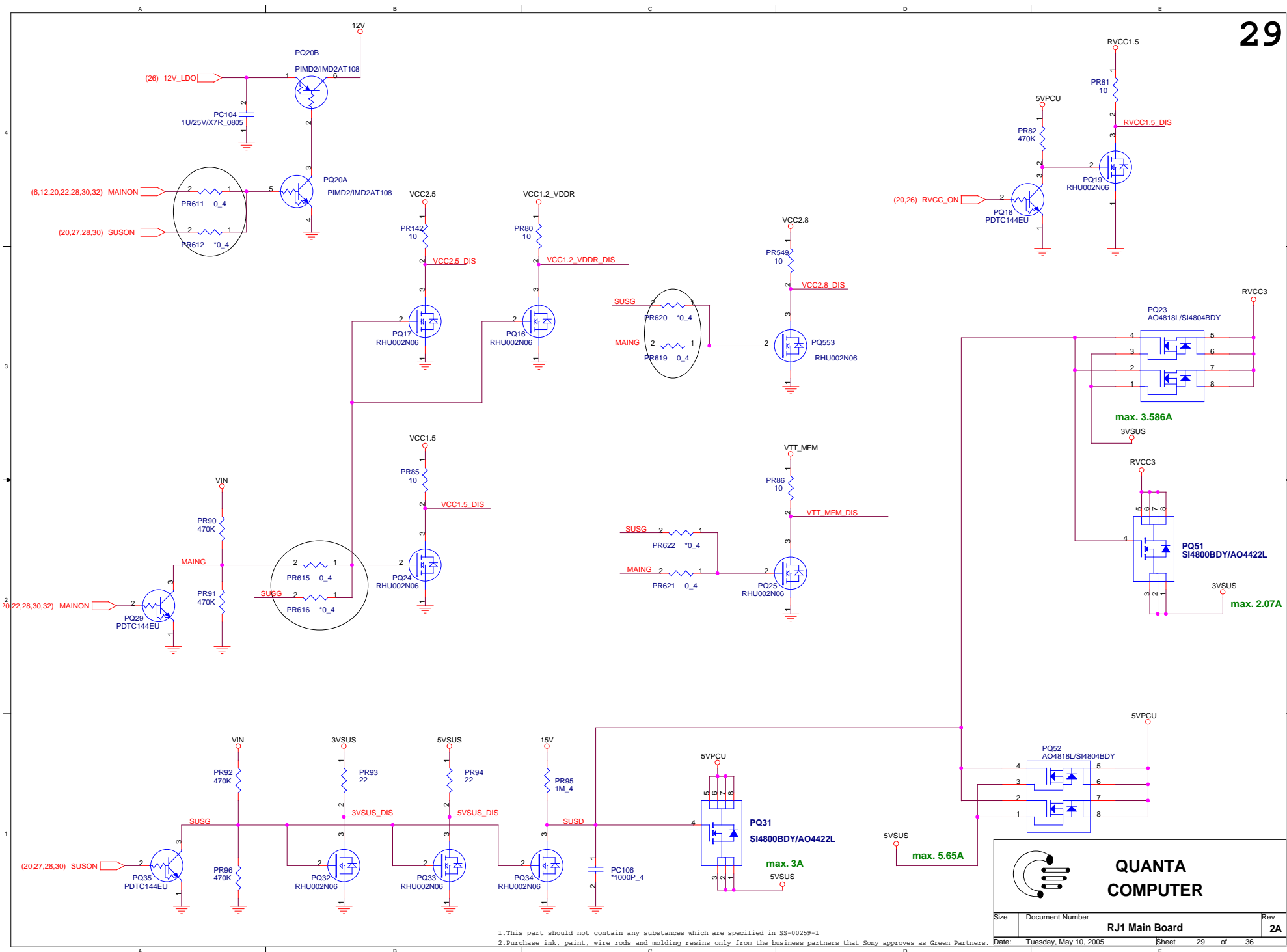
1. This part should not contain any substances which are specified in SS-00259-1
 2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.



**QUANTA
COMPUTER**


Size	Document Number	Rev
	RJ1 Main Board	2A
Date:	Tuesday, May 10, 2005	Sheet 28 of 36

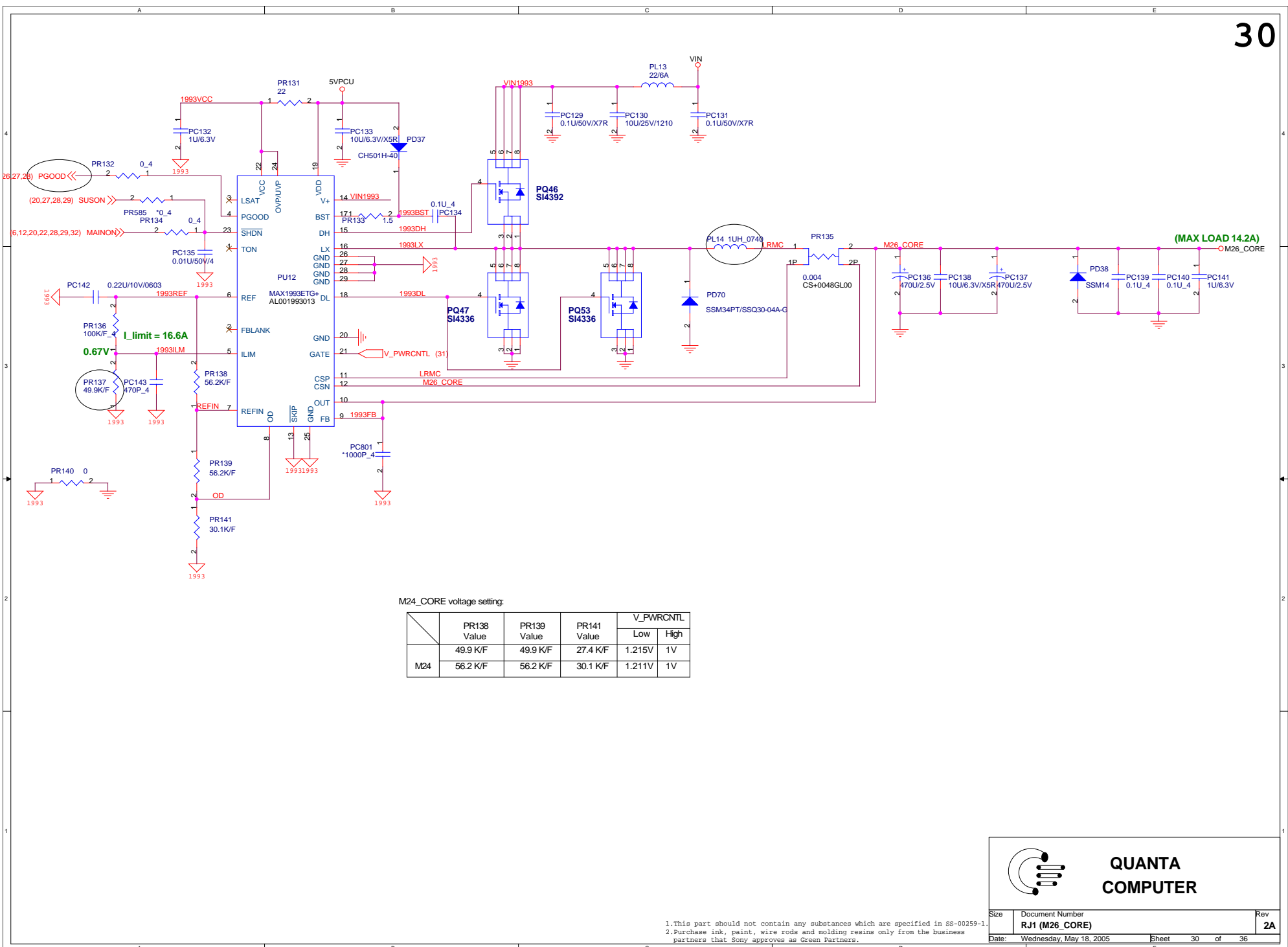
1. This part should not contain any substances which are specified in SS-00259-1
 2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.



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

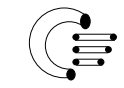
2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as Green Partners.

 QUANTA COMPUTER		Size	Document Number	Rev
		RJ1 Main Board		2A



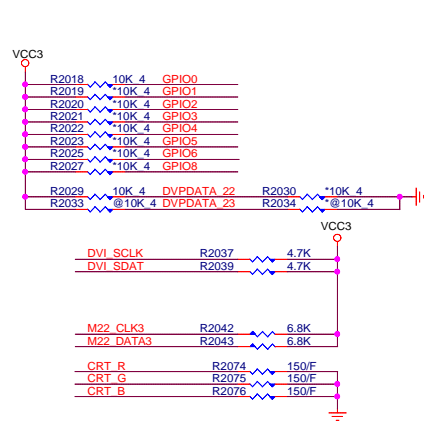
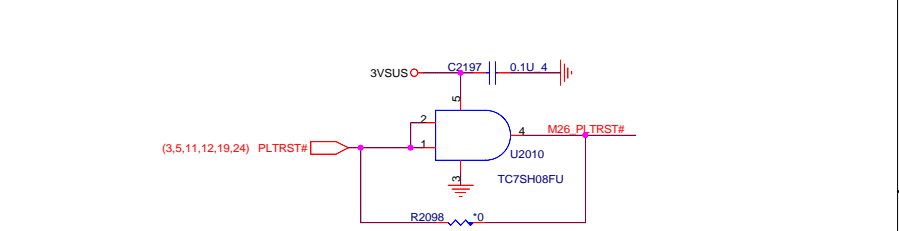
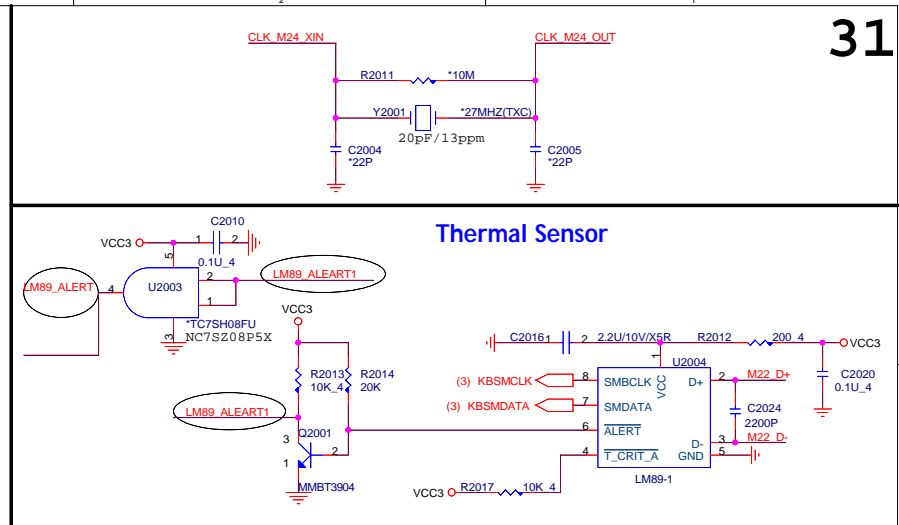
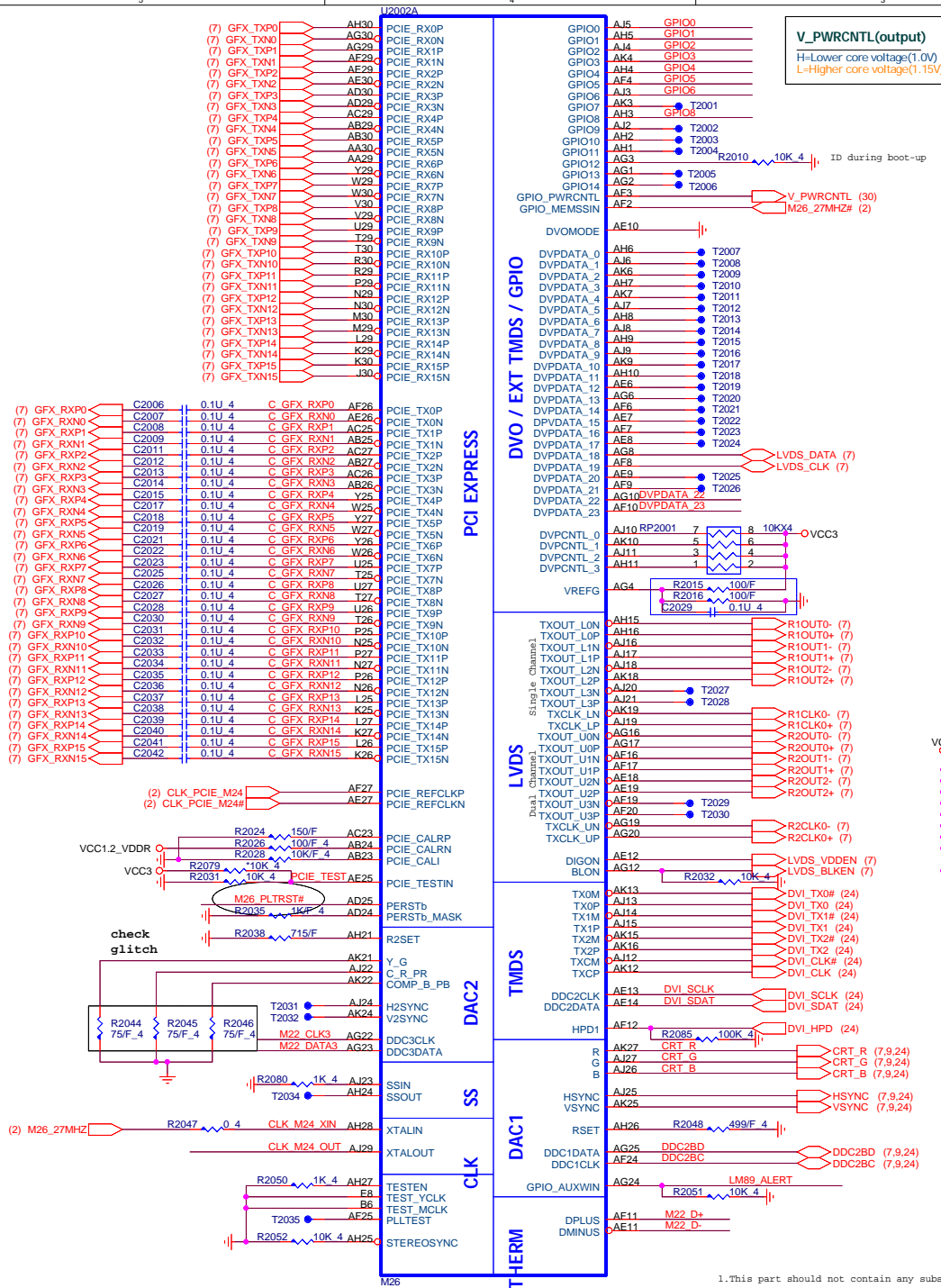
M24_CORE voltage setting:

	PR138 Value	PR139 Value	PR141 Value	V_PWRCNTL	
				Low	High
M24	49.9 K/F	49.9 K/F	27.4 K/F	1.215V	1V
	56.2 K/F	56.2 K/F	30.1 K/F	1.211V	1V



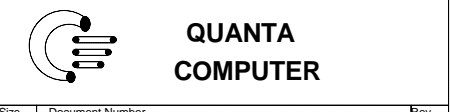
**QUANTA
COMPUTER**

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.

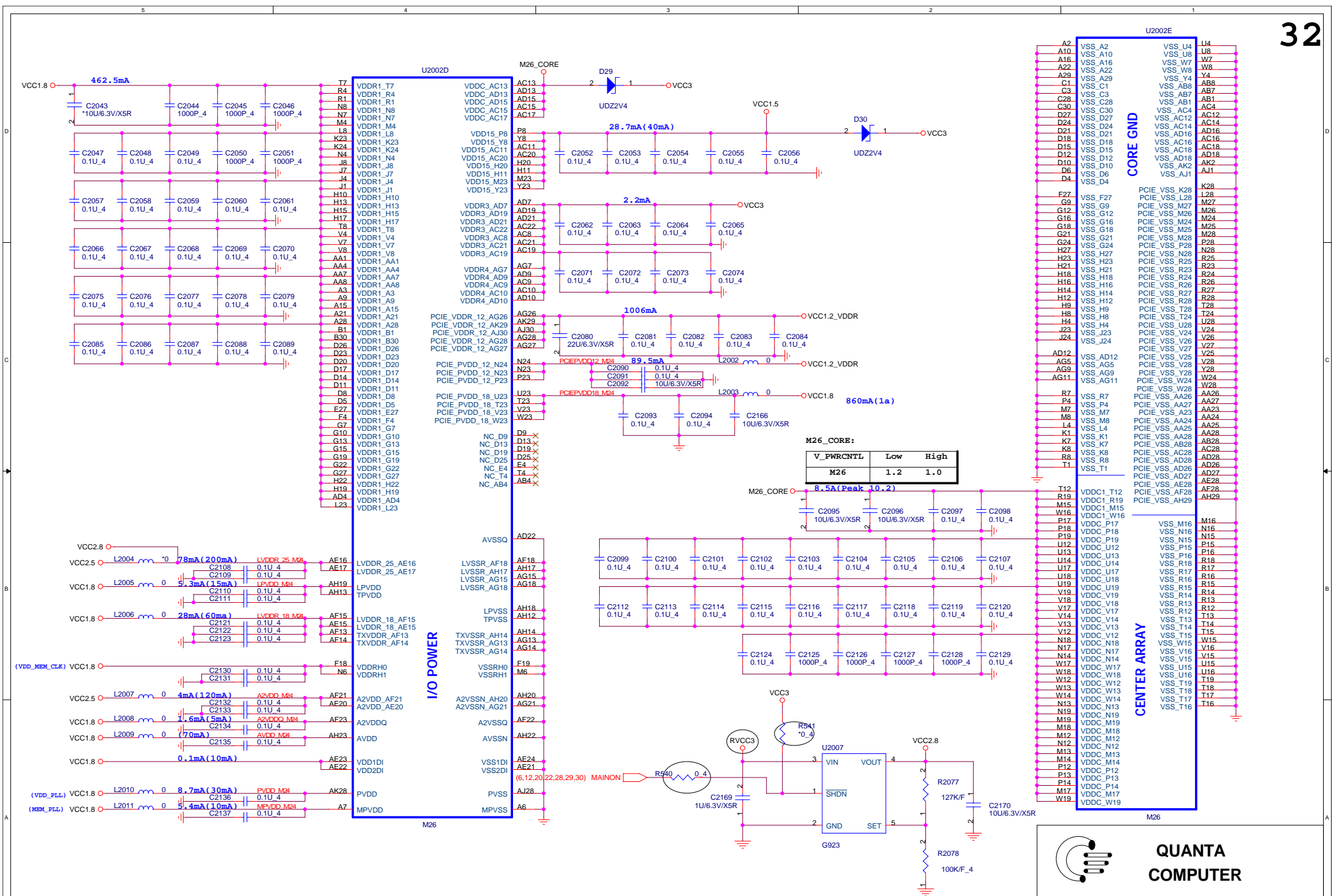


DVPPDATA 22-23	DATA23 Vendor	DATA22 MEM SIZE		
0	0	1	Hynix	64M
0	1	1	Hynix	128M
* 1	0	0	Samsung	64M
	1	1	Samsung	128M

PCI_TEST	ATI Internal USE
0: Default	
GPIO_0	Transmitter Power Savings Enable 0: 50% Tx output swing for mobile mode 1: full Tx output swing
GPIO_1	Transmitter De-emphasis Enable 0: Tx de-emphasis disabled for mobile mode 1: Tx de-emphasis enabled
GPIO_(3,2)	00: PCI Express 1.0 mode 01: Kyrene-compatible mode 10: PCI Express 1.0 mode 11: PCI Express 1.0A mode and short-circuit internal loopback mode (Rx connected directly to Tx of PHY)
GPIO_4	0: NON REVERSED LANES IN LAYOUT 1: REVERSED LANES IN LAYOUT
GPIO_5	DO NOT FORCE COMPLIANCE STATE QUICKLY
GPIO_6	COMMON MODE RANGE 0: Default
GPIO_8	DEBUG SIGNALS NOT BROUGHT OUT
GPIO(9,13;11)	NO USE-0000 (ID[1:4] = GPIO[11,12,13,9]) 0x0x: No ROM, CHG_ID=0 0x1x: No ROM, CHG_ID=1 1011 - Serial M25P10 ROM (ST), chip ID is from ROM 1100 - Serial M25P05 ROM (ST), chip ID is from ROM



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.

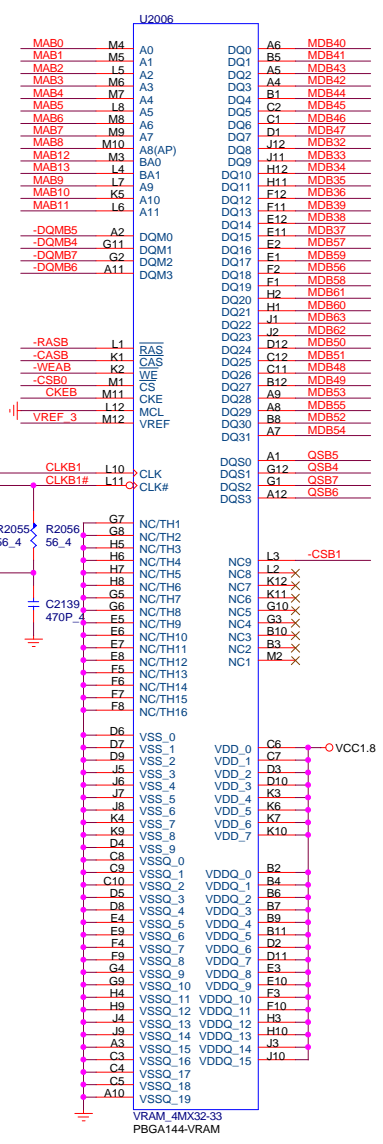
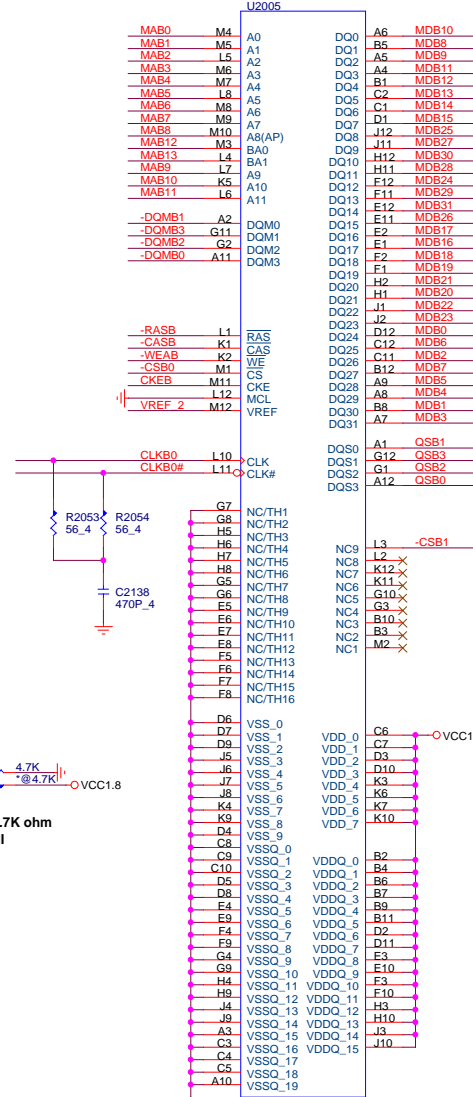
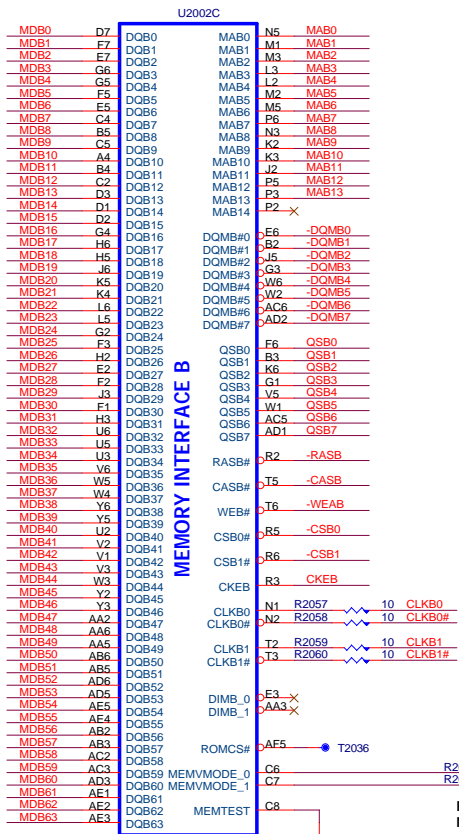


M26_CORE:

V_PWRCTRL	Low	High
M26	1.2	1.0

**QUANTA
COMPUTER**

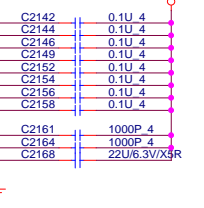
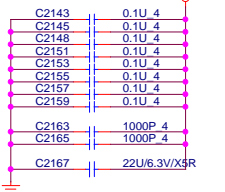
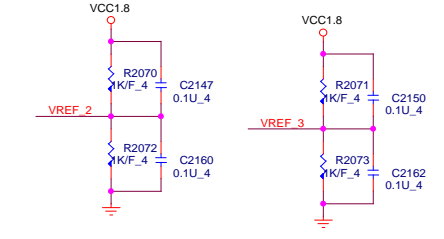
Size Document Number Rev
RJ1 ATI M26 2A



VDDR1	MEMMODE_0	MEMMODE_1
1.8V	GND	VCC1.8
2.5V	VCC1.8	GND

R2062: M24 : 4.7K ohm
M26 : NI

R2063: M24 : 47 ohm
M26 : 240 ohm



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

Size Document Number Rev
RJ1 ATI M26 1A
Date: Monday, May 09, 2005 Sheet 33 of 36

U2002B

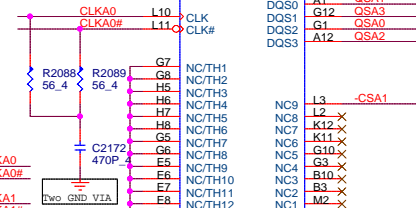
MDA0	H28	DOA0	MAA0	E22	MAA0
MDA1	H29	DOA1	MAA1	B22	MAA1
MDA2	J28	DOA2	MAA2	B23	MAA2
MDA3	J29	DOA3	MAA3	B24	MAA2
MDA4	J26	DOA3	MAA4	C23	MAA4
MDA5	H25	DOA4	MAA4	C22	MAA5
MDA6	H26	DOA6	MAA6	F22	MAA6
MDA7	G26	DOA7	MAA7	MAA6	MAA7
MDA8	G30	DOA7	MAA7	C21	MAA8
MDA9	D29	DOA8	MAA8	A24	MAA9
MDA10	D28	DOA10	MAA10	C24	MAA10
MDA11	F28	DOA11	MAA11	A25	MAA11
MDA12	F29	DOA19	MAA12	E11	MAA12
MDA13	G29	DOA12	MAA13	B20	MAA13
MDA14	G28	DOA13	MAA13	C19	X
MDA15	F28	DOA14	MAA14		
MDA16	G25	DOA15		J25	-DOMA0
MDA17	F26	DOA16	DOMA0	F29	-DOMA1
MDA18	E26	DOA17	DOMA1	E25	-DOMA2
MDA19	F25	DOA18	DOMA2	A27	-DOMA3
MDA20	E24	DOA20	DOMA4	F15	-DOMA4
MDA21	F23	DOA21	DOMA5	C15	-DOMA5
MDA22	F23	DOA22	DOMA6	C11	-DOMA6
MDA23	D22	DOA22	DOMA6	E11	-DOMA7
MDA24	B29	DOA24	DOMA7		
MDA25	C29	DOA25		J27	QSA0
MDA26	C25	DOA26	QSA0	F30	QSA1
MDA27	C27	DOA27	QSA2	F24	QSA2
MDA28	B28	DOA27	QSA2	B27	QSA3
MDA29	B25	DOA28	QSA3	E16	QSA4
MDA30	C26	DOA30	QSA5	B16	QSA5
MDA31	B26	DOA31	QSA6	B17	QSA6
MDA32	E17	DOA32	QSA7		
MDA33	E17	DOA32	QSA7		
MDA34	D16	DOA34	RASA#	A19	-RASA
MDA35	F16	DOA35		E18	-CASA
MDA36	F15	DOA36	CASA#		
MDA37	F14	DOA37		E19	-WEA
MDA38	E14	DOA38	WEA#		
MDA39	F13	DOA39		E20	-CSA0
MDA40	C17	DOA40	CSA0#		
MDA41	B18	DOA41		F20	-CSA1
MDA42	B17	DOA42			
MDA43	B15	DOA43	CSA1#	B19	CKEA
MDA44	C13	DOA44			
MDA45	B14	DOA45			
MDA46	C14	DOA45			
MDA47	C16	DOA47			
MDA48	A13	DOA48	CLKA0	B21	R2090 10 CLKA0
MDA49	A12	DOA49	CLKA0#	C20	R2091 10 CLKA0#
MDA50	C12	DOA50			
MDA51	B12	DOA51	CLKA1	C18	R2092 10 CLKA1
MDA52	C10	DOA52	CLKA1#	A18	R2093 10 CLKA1#
MDA53	C9	DOA53			
MDA54	B9	DOA54			
MDA55	B10	DOA54			
MDA56	E13	DOA55	MVREFD	B7	MVREFD
MDA57	E12	DOA56	MVREFS	B8	MVREFS
MDA58	E10	DOA58			
MDA59	F12	DOA59			
MDA60	F11	DOA60			
MDA61	E9	DOA61	DIMA_0	D30	X
MDA62	F9	DOA62	DIMA_1	B13	X
MDA63	F8	DOA63			

MEMORY INTERFACE

U2009

MAA0	M4	A0	DQ0	A6	MDA8
MAA1	M5	A1	DQ1	B5	MDA14
MAA2	M6	A2	DQ2	A5	MDA13
MAA3	M6	A2	DQ3	A4	MDA15
MAA4	M7	A3	DQ3	B1	MDA11
MAA5	L8	A5	DQ4	C2	MDA10
MAA6	M8	A4	DQ4	F1	MDA7
MAA7	M8	A6	DQ6	C1	MDA9
MAA8	M10	A7	DQ7	D8	MDA25
MAA9	M9	A7	DQ8	J12	MDA25
MAA10	M3	BA0	DQ9	J11	MDA24
MAA11	L4	BA1	DQ10	H12	MDA28
MAA12	L7	BA1	DQ10	H11	MDA27
MAA13	L6	A9	DQ11	F12	MDA30
MAA10	K5	A10	DQ12	F11	MDA29
MAA11	L6	A11	DQ13	F12	MDA31
			DQ14	E12	MDA31
			DQ15	E11	MDA26
			DQ16	F2	MDA1
			DQ17	E1	MDA0
			DQ18	F2	MDA6
			DQ19	F1	MDA7
			DQ20	H2	MDA2
			DQ21	H1	MDA5
			DQ22	J1	MDA4
			DQ23	J2	MDA3
			DQ24	D12	MDA21
			DQ25	C12	MDA16
			DQ26	C11	MDA17
			DQ27	B12	MDA18
			DQ28	A9	MDA20
			DQ29	A8	MDA22
			DQ30	B8	MDA19
			DQ31	A7	MDA23
				A1	QSA1
				G12	QSA2
				G1	QSA0
				A12	QSA2

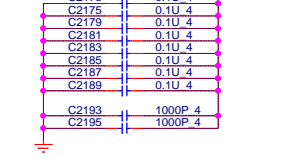
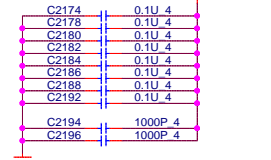
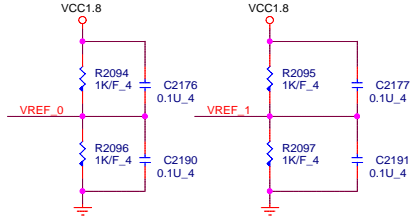
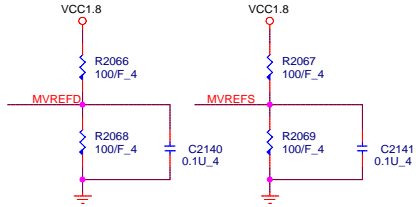
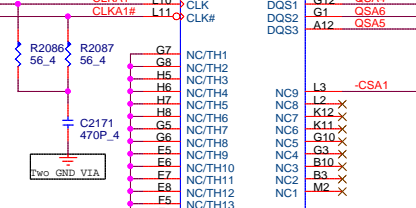
-RASA	L1	RAS
-CASA	K1	CAS
-WEA	K2	CAS
-CSA0	M1	WE
CKEA	M11	CKE
VREF_0	L12	MCL
	F10	VREF




U2008

MAA0	M4	A0	DQ0	A6	MDA8
MAA1	M5	A1	DQ1	B5	MDA14
MAA2	L6	A2	DQ2	A5	MDA13
MAA3	M6	A2	DQ3	A4	MDA15
MAA4	M7	A3	DQ3	B1	MDA11
MAA5	L8	A5	DQ4	C2	MDA10
MAA6	M8	A4	DQ4	F1	MDA7
MAA7	M8	A6	DQ6	C1	MDA9
MAA8	M10	A7	DQ7	D8	MDA25
MAA9	M9	A7	DQ8	J12	MDA25
MAA10	M3	BA0	DQ9	J11	MDA24
MAA11	L4	BA1	DQ10	H12	MDA28
MAA12	L7	BA1	DQ10	H11	MDA27
MAA10	K6	A9	DQ11	F12	MDA30
MAA11	L6	A10	DQ12	F11	MDA29
			DQ13	F12	MDA31
			DQ14	E12	MDA31
			DQ15	E11	MDA26
			DQ16	F2	MDA1
			DQ17	E1	MDA0
			DQ18	F2	MDA6
			DQ19	F1	MDA7
			DQ20	H2	MDA2
			DQ21	H1	MDA5
			DQ22	J1	MDA4
			DQ23	J2	MDA3
			DQ24	D12	MDA21
			DQ25	C12	MDA16
			DQ26	C11	MDA17
			DQ27	B12	MDA18
			DQ28	A9	MDA20
			DQ29	A8	MDA22
			DQ30	B8	MDA19
			DQ31	A7	MDA23
				A1	QSA1
				G12	QSA2
				G1	QSA0
				A12	QSA2

-RASA	L1	RAS
-CASA	K1	CAS
-WEA	K2	CAS
-CSA0	M1	WE
CKEA	M11	CKE
VREF_1	L12	MCL
	F10	VREF

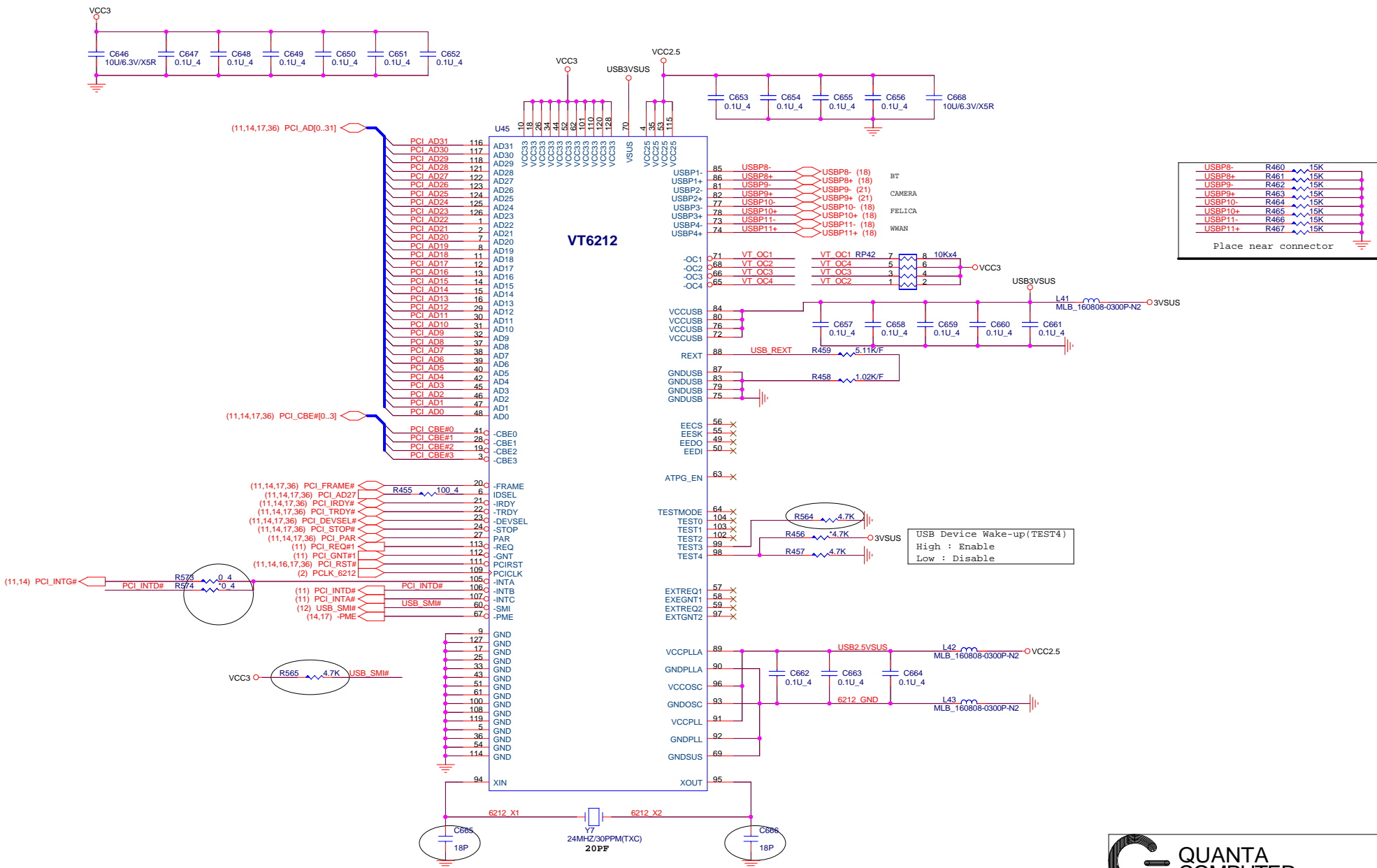


1. This part should not contain any substances which are specified in SS-00259-1
 2. Purchase ink, paint, wire rods and molding resins only from the business partners that Sony approves as G&E Partners.



**QUANTA
COMPUTER**

Size	Document Number	Rev
	RJ1 ATI M26	1A
Date:	Friday, May 06, 2005	Sheet 34 of 36



USBP8-	R460	15K
USBP8+	R461	15K
USBP9-	R462	15K
USBP9+	R463	15K
USBP10-	R464	15K
USBP10+	R465	15K
USBP11-	R466	15K
USBP11+	R467	15K

Place near connector

USB Device Wake-up (TEST4)
 High : Enable
 Low : Disable

QUANTA COMPUTER

Title: **USB Controller VT6212**

Size: **RJ1 Main Board**

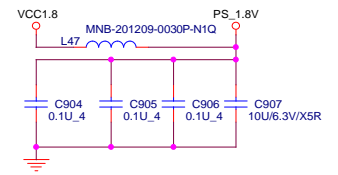
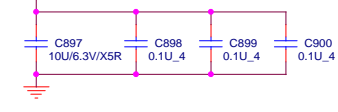
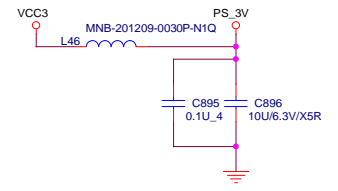
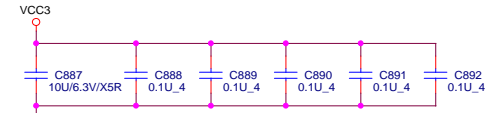
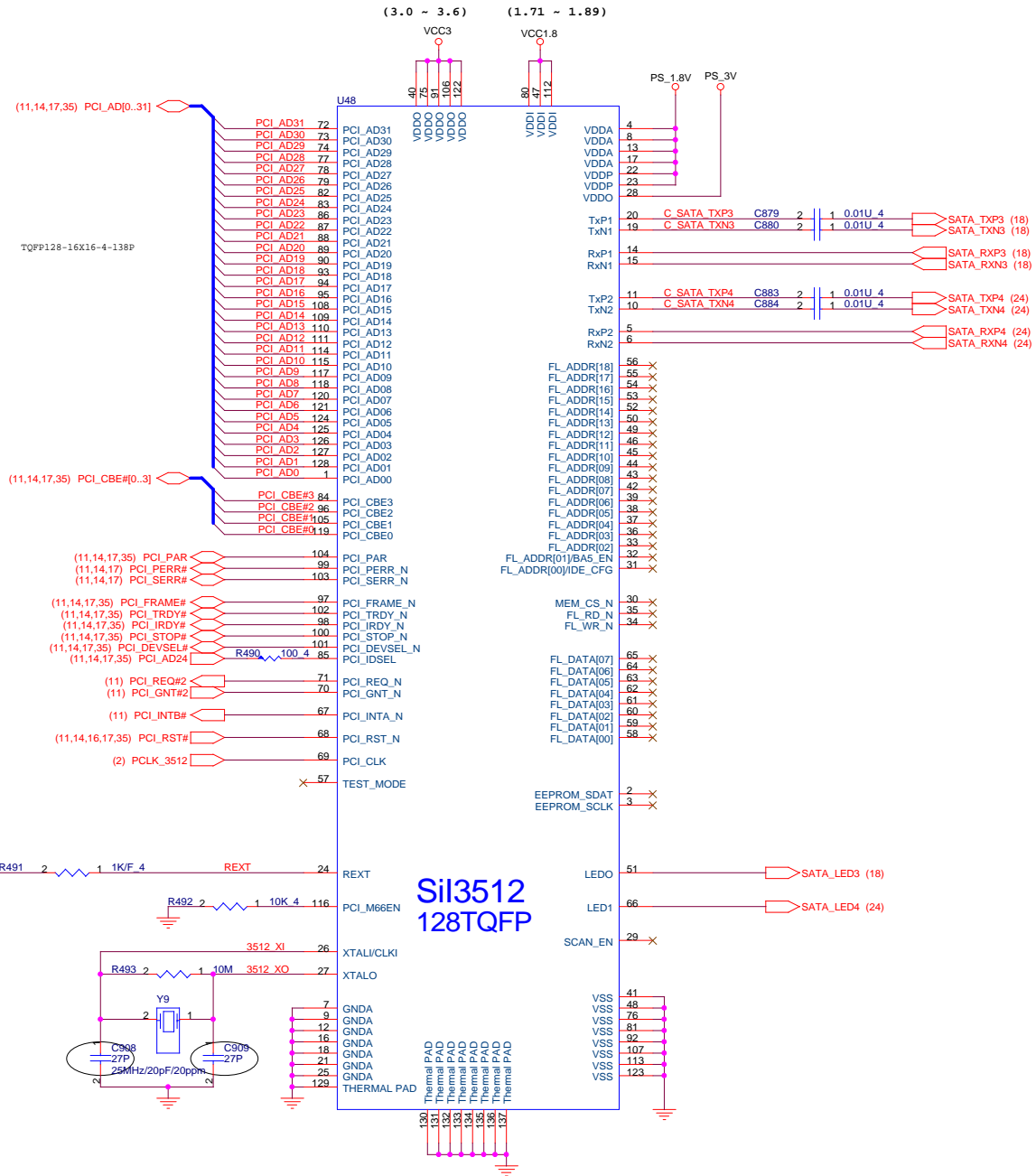
Document Number: **RJ1 Main Board**

Rev: **2A**

Date: Thursday, May 26, 2005

Sheet: **35** of **36**

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.



Si3512
128TQFP

QUANTA COMPUTER

Title: **PCI-SATA Si3512**

Size	Document Number	Rev
Custom	RJ1 Main Board	2A
Date:	Thursday, May 26, 2005	Sheet 36 of 36

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.