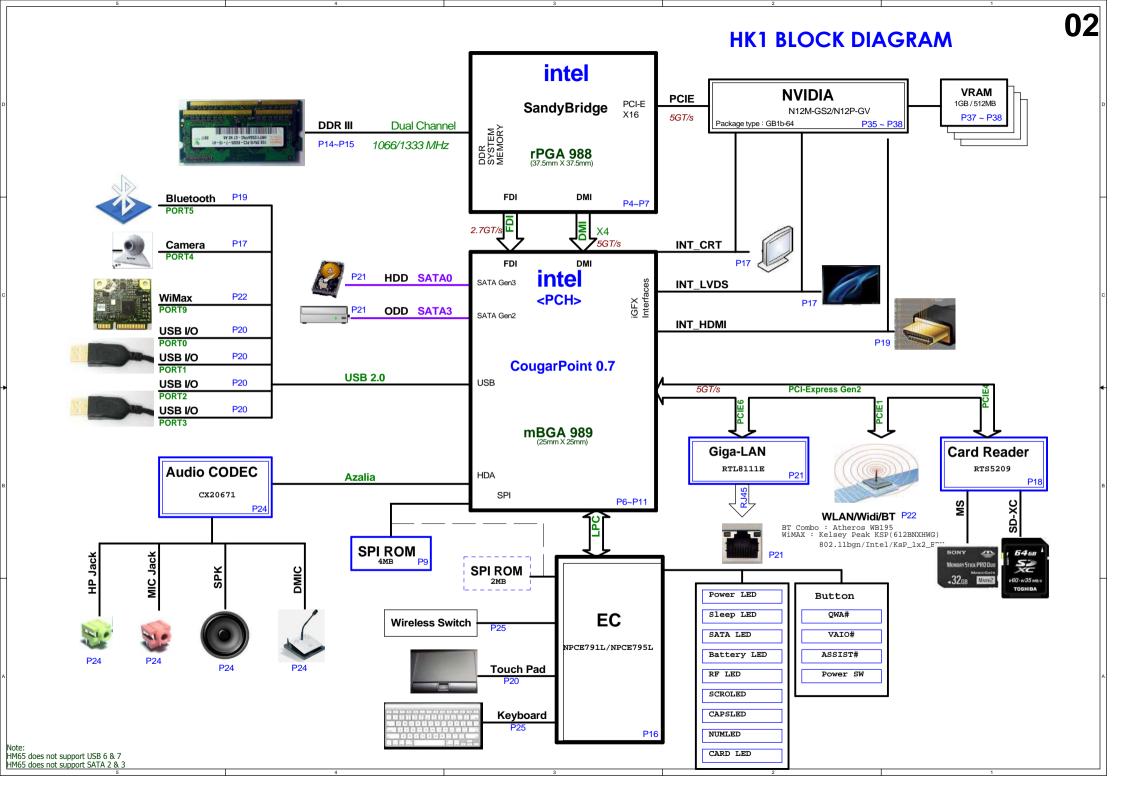
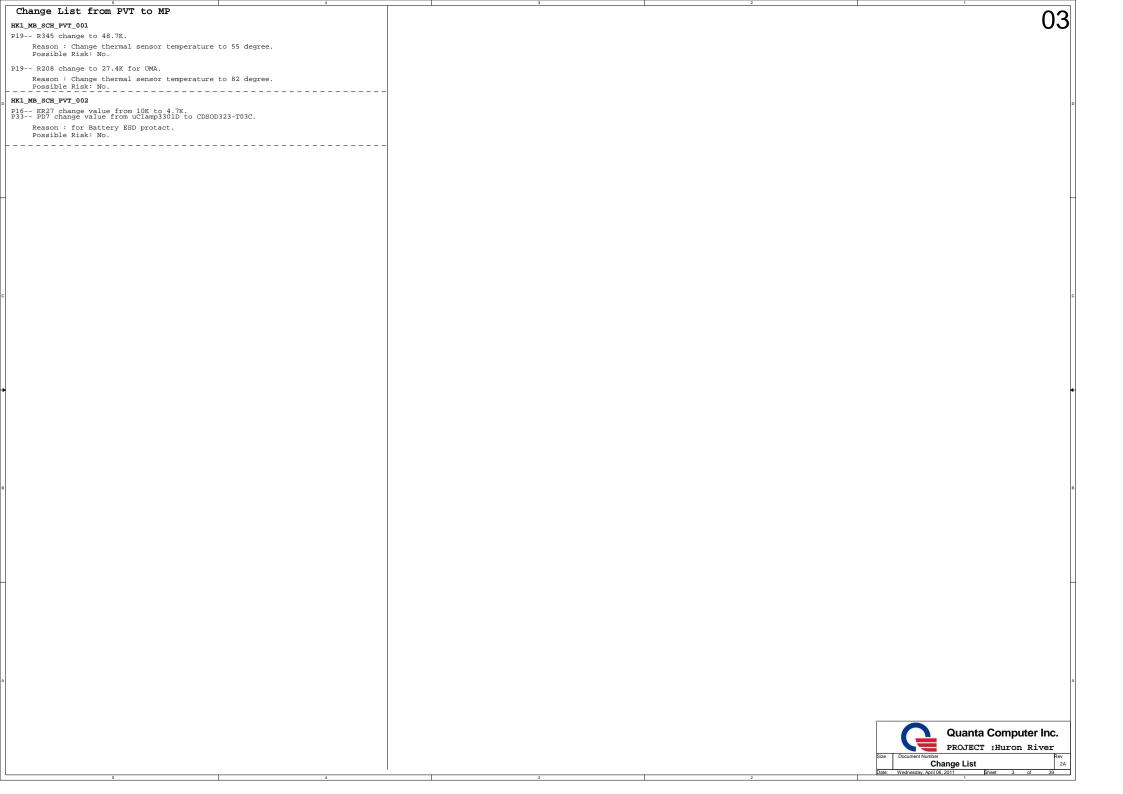
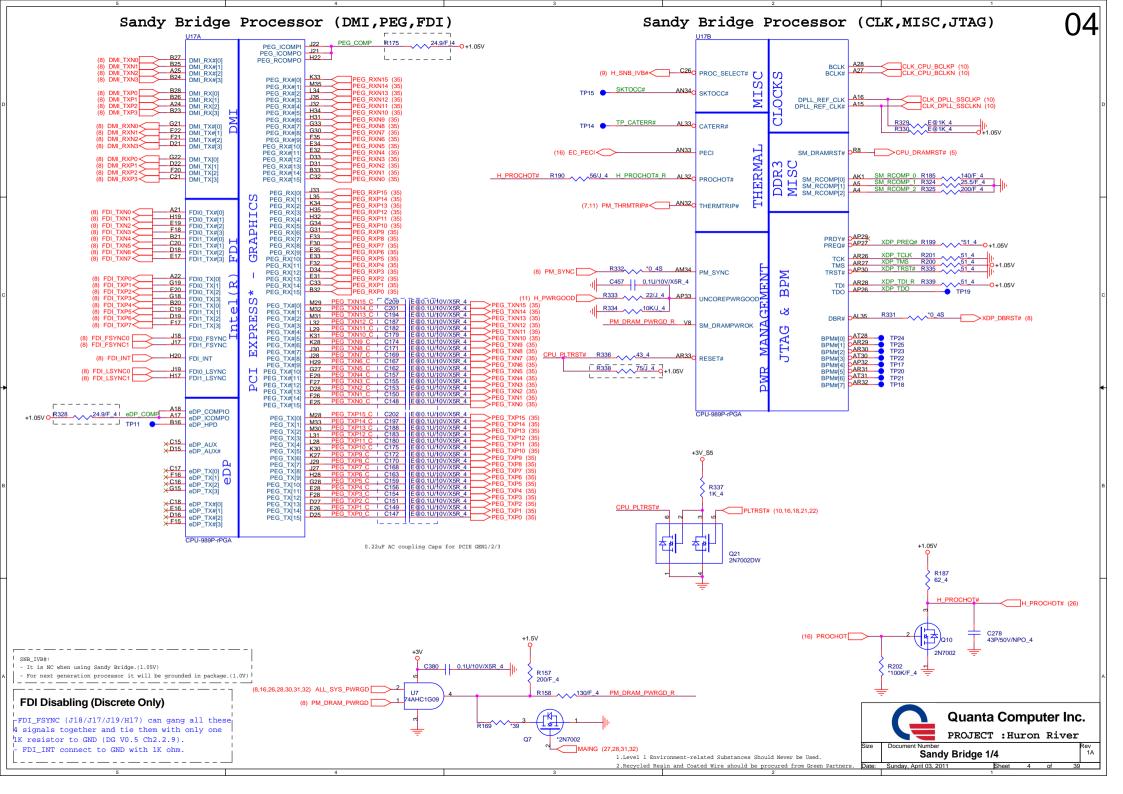
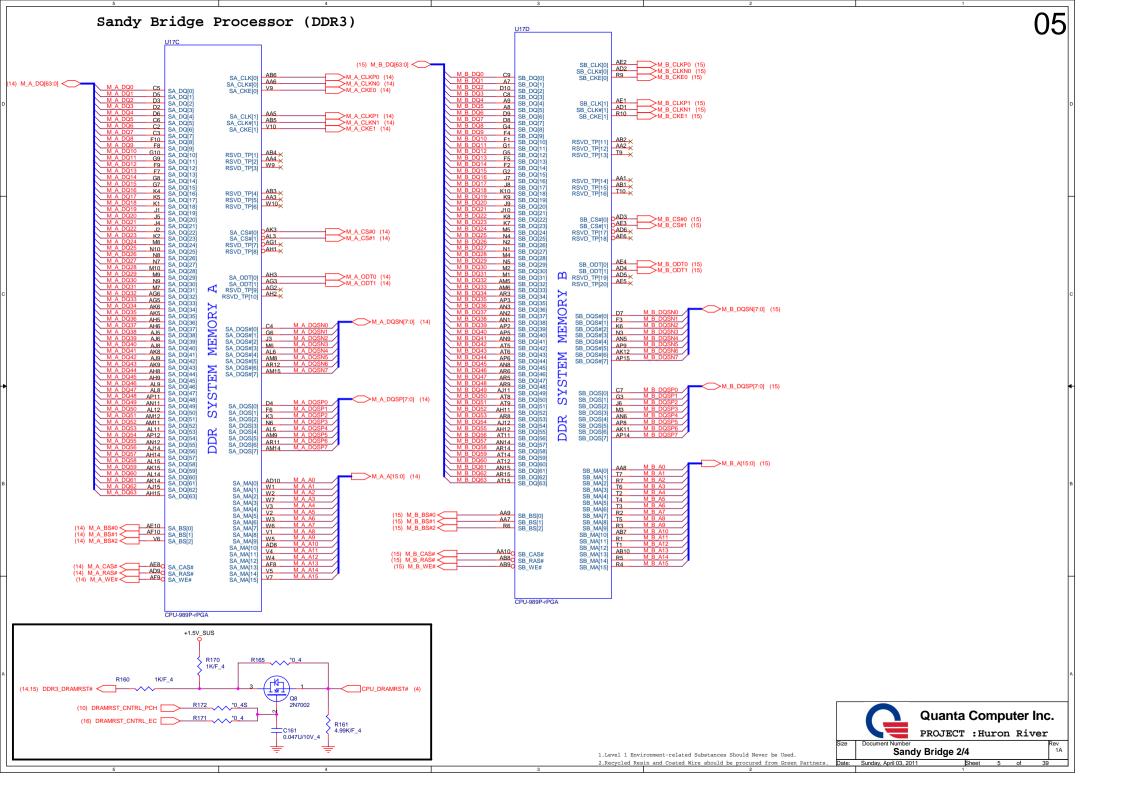
	А В		
Page	Title of schematic page	Rev.	Date
01	Page List	1A	
02	Block Diagram	1A	
03	Change List	1A	
04	SNB 1/4(HOST&PCIE)	1A	
05	SNB 2/4(DDR3 I/F)	1A	
06	SNB 3/4(POWER)	1A	
07	SNB 4/4(GND/Strap)	1A	
80	PCH 1/6(DMI/FDI/VIDEO)	1A	
09	PCH 2/6(SATA/RTC/HDA/LPC)	1A	
10	PCH 3/6(PCIE/USB/CLK/NV)	1A	
11	PCH 4/6(GPIO/CPU/STRAP)	1A	
12	PCH 5/6(POWER)	1A	
13	PCH 6/6 (GND)	1A	
14	DDR3 DIMM-0-STD	1A	
15	DDR3 DIMM-1-STD	1A	
16	WPCE791L & FLASH	1A	
17	CRT/LVDS/CAMERA	1A	
18	CARD READER(RTS5209)	1A	
19	HDMI Conn/BT/THERMAL	1A	
20	USB/TP/FAN	1A	
21	LAN (RTL8111E)	1A	
22	WLAN/HOLE	1A	
23	HDD/ODD/EMI	1A	
24	Audio CX20671	1A	
25	LED/RF/KB/PS	1A	
26	POWER +VCC_CORE (ISL95831)	1A	
27	POWER 3VPCU&5VPCU(PM6686)	1A	
28	POWER 1.5VSUS/VTT_MEM	1A	
29	POWER +1.05V(UP6128A)-15A	1A	
30	POWER +0.85V(APE8858)-6A	1A	
31	POWER VGA_CORE(OZ8111)15A	1A	
32	POWER VCC1.8/Thermal	1A	
33	POWER(ADAPTER IN / CONN)	1A	
34	POWER CHARGER (ISL88731C)	1A	
35	NVIDIA GS2-64 PCIE&PW 1/4	1A	
36	NVIDIA GS2-64 TMDS&DAC 2/4	1A	
37	NVIDIA GS2-64 VRAM 3/4	1A	
38	NVIDIA GS2-64 VRAM 4/4	1A	
39	IO PORT LIST	1A	
			1

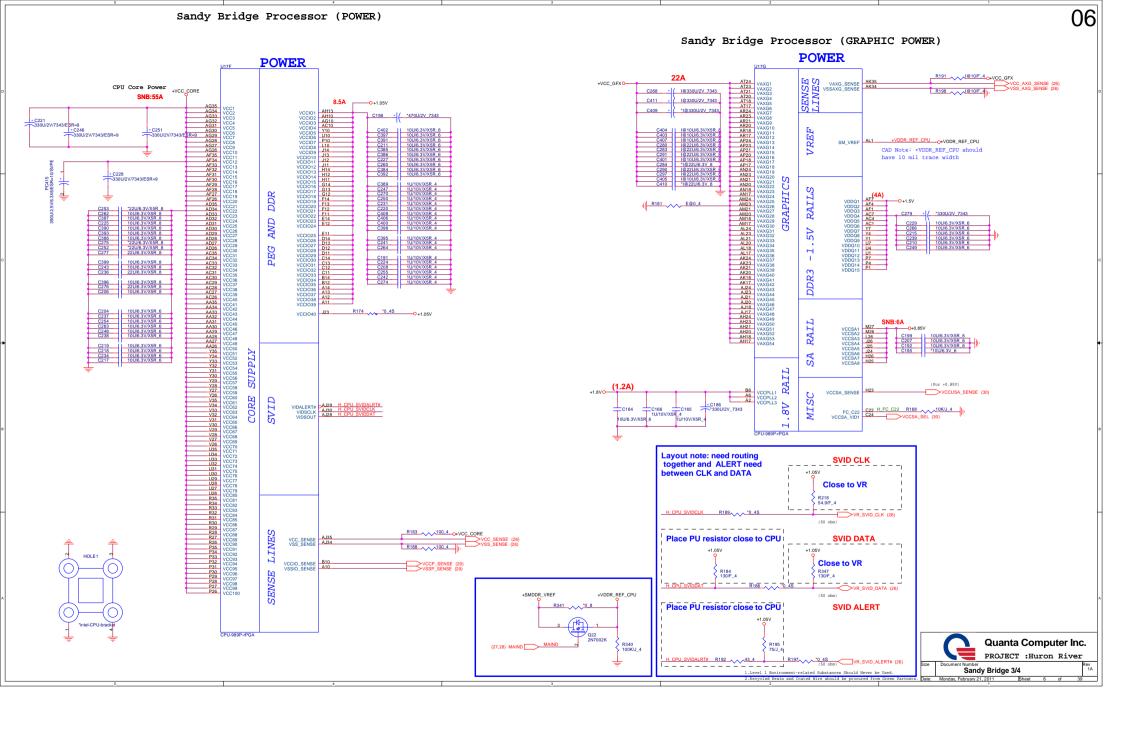
* : No mount
E@ : For DIS GFX only
I@ : For INT GFX only

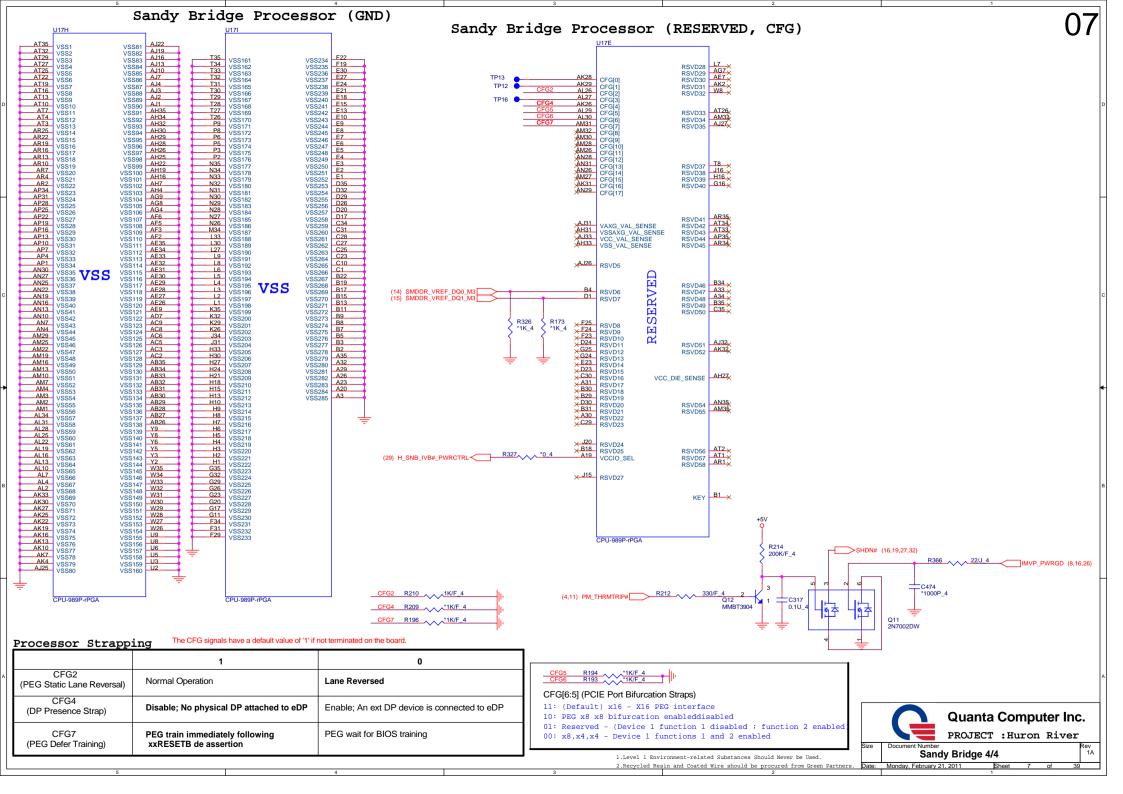


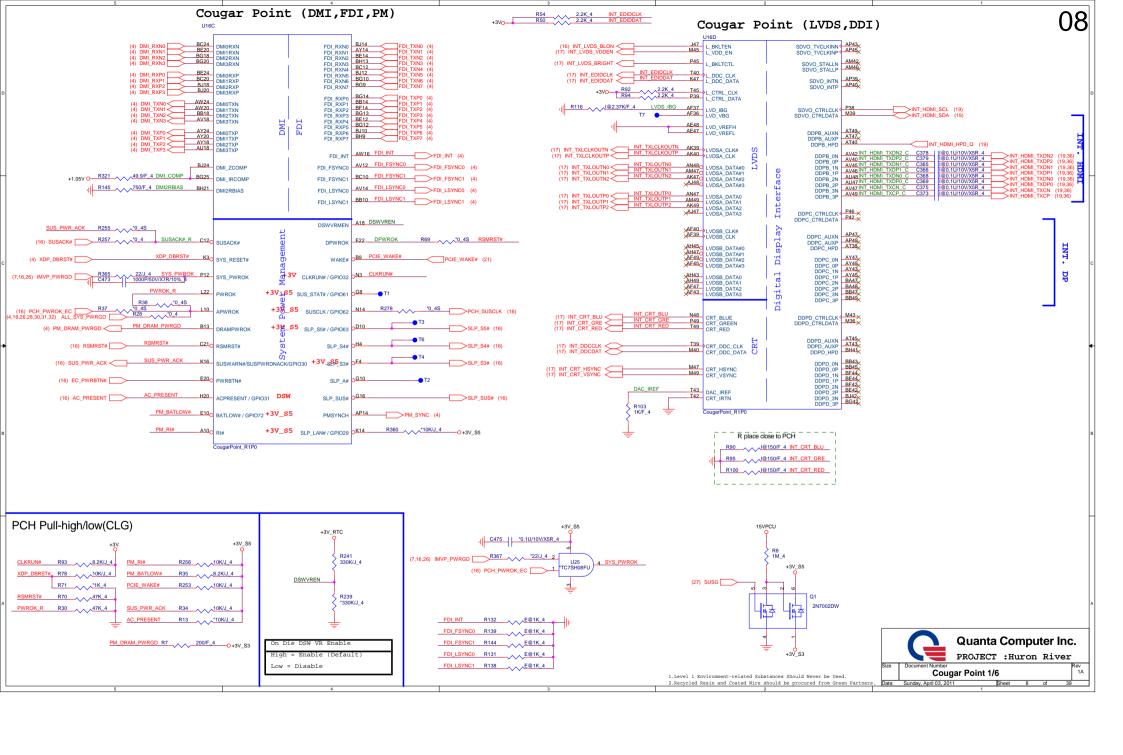


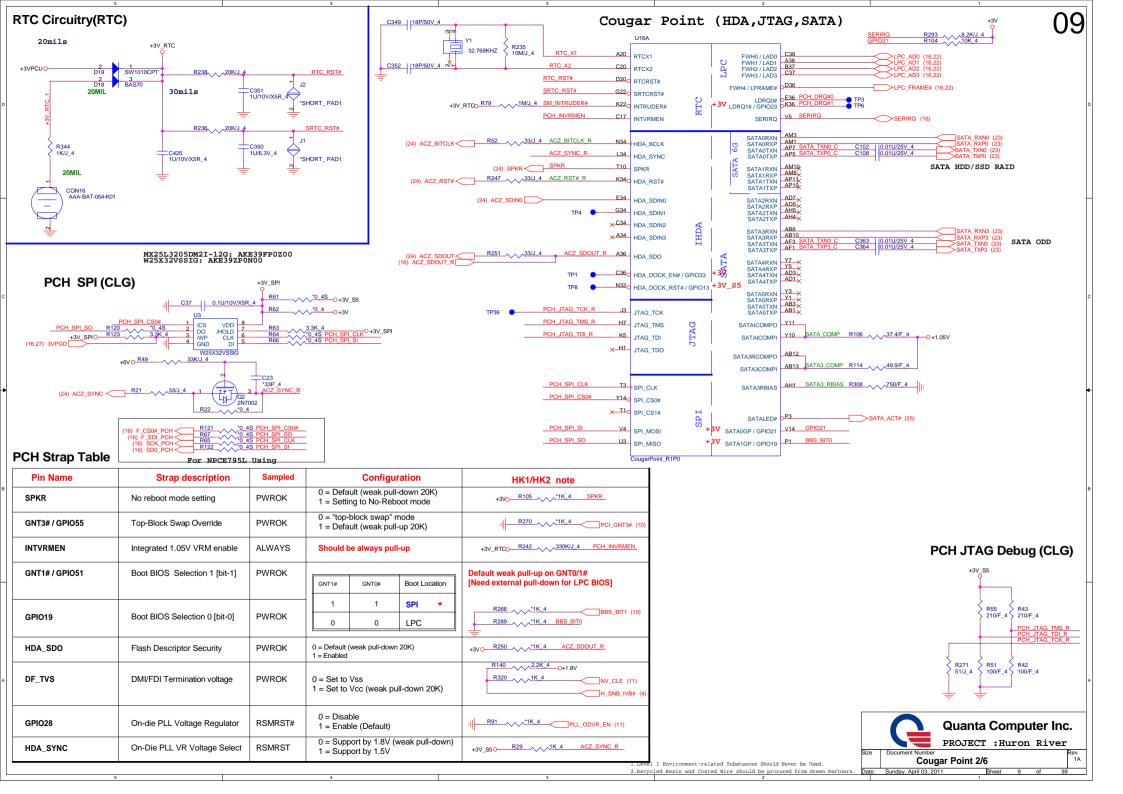


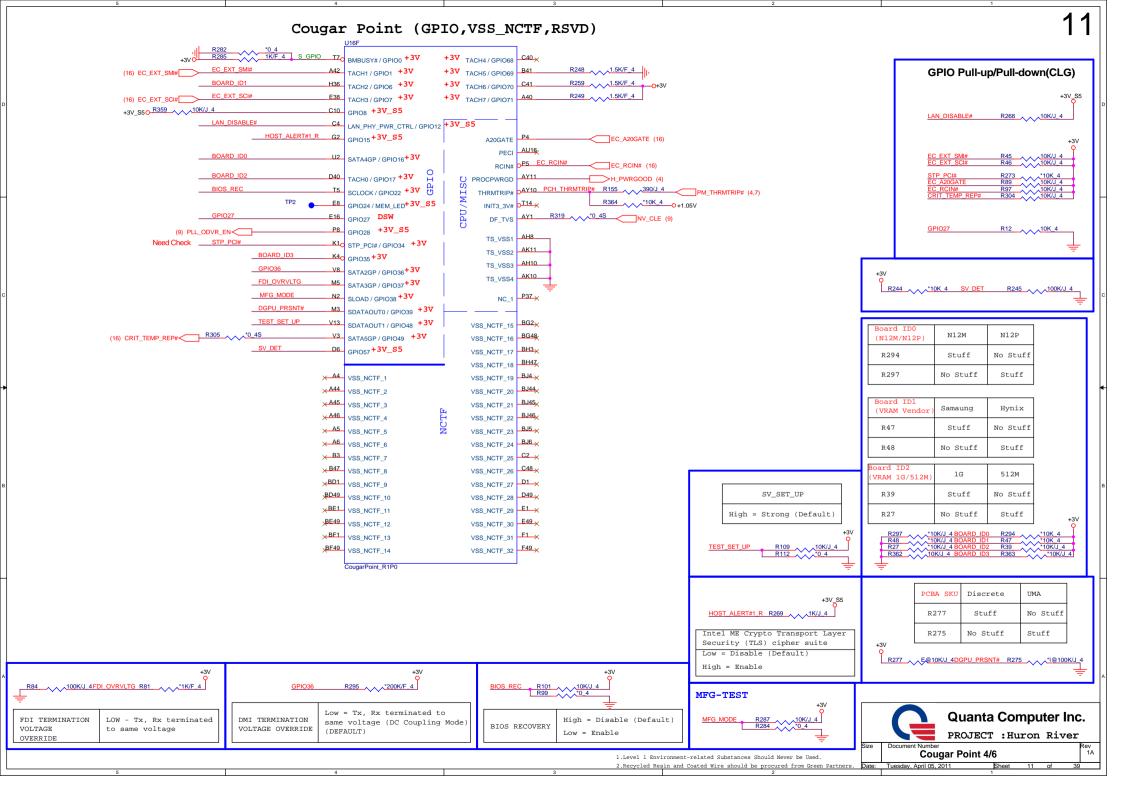


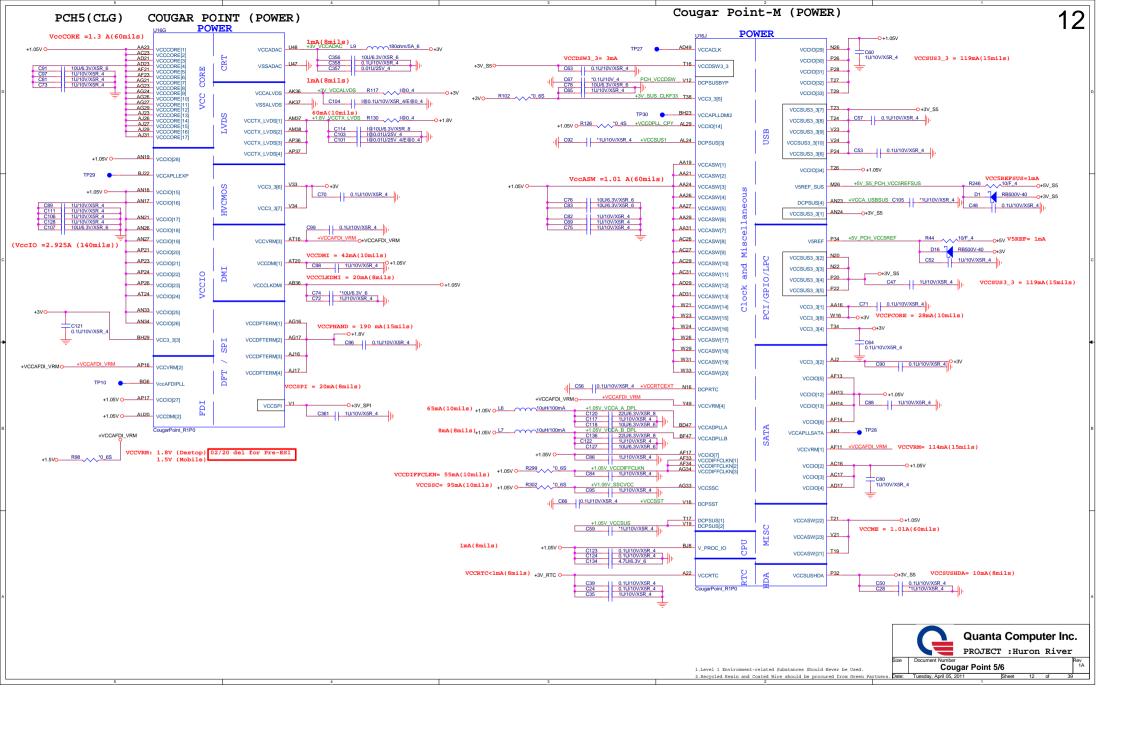


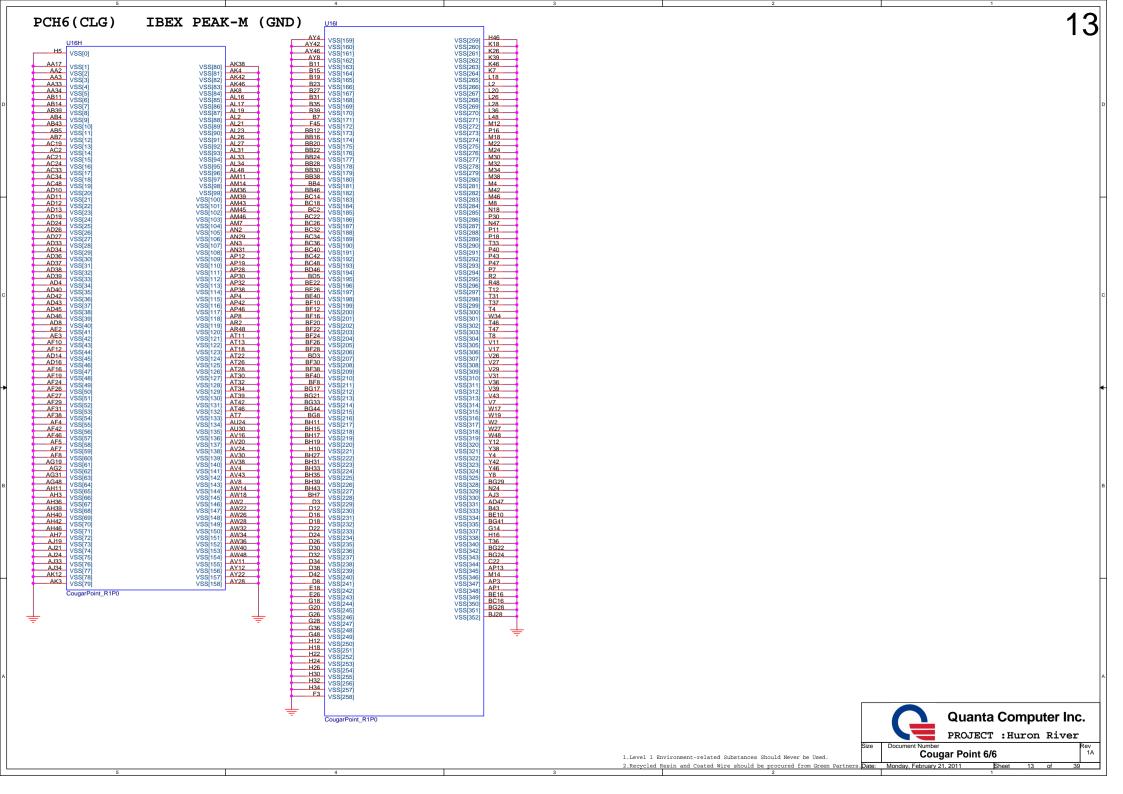


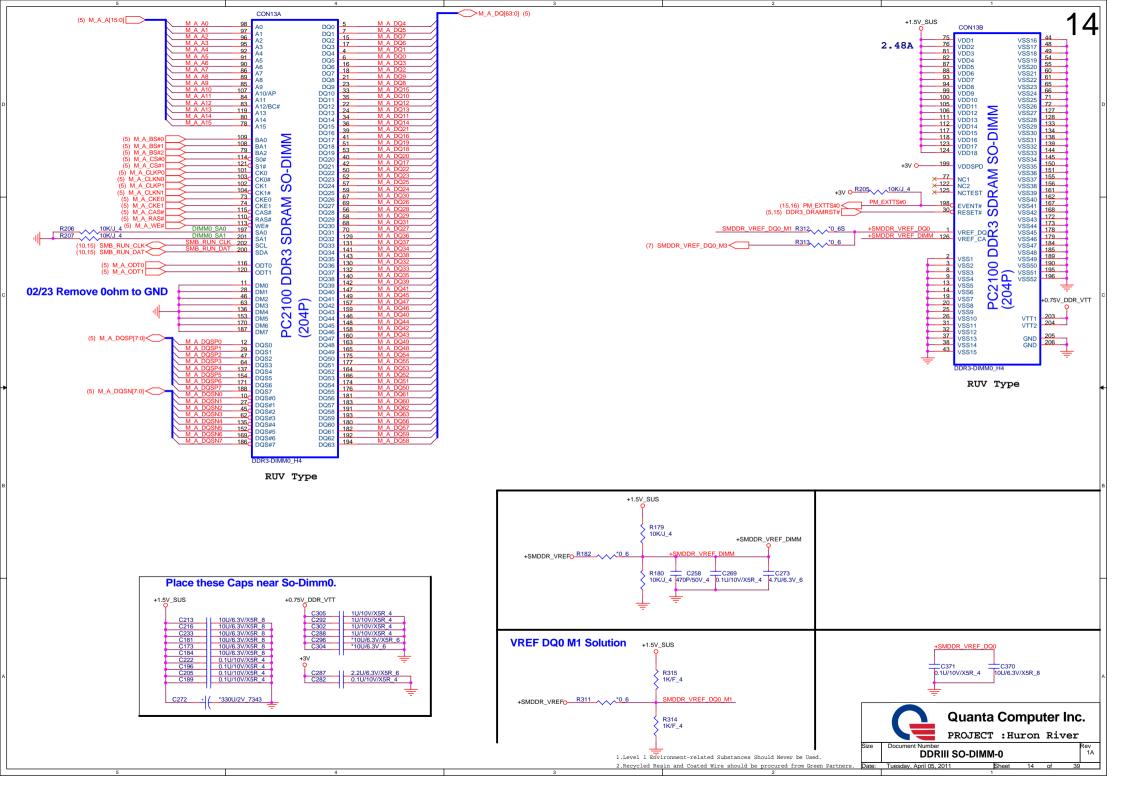


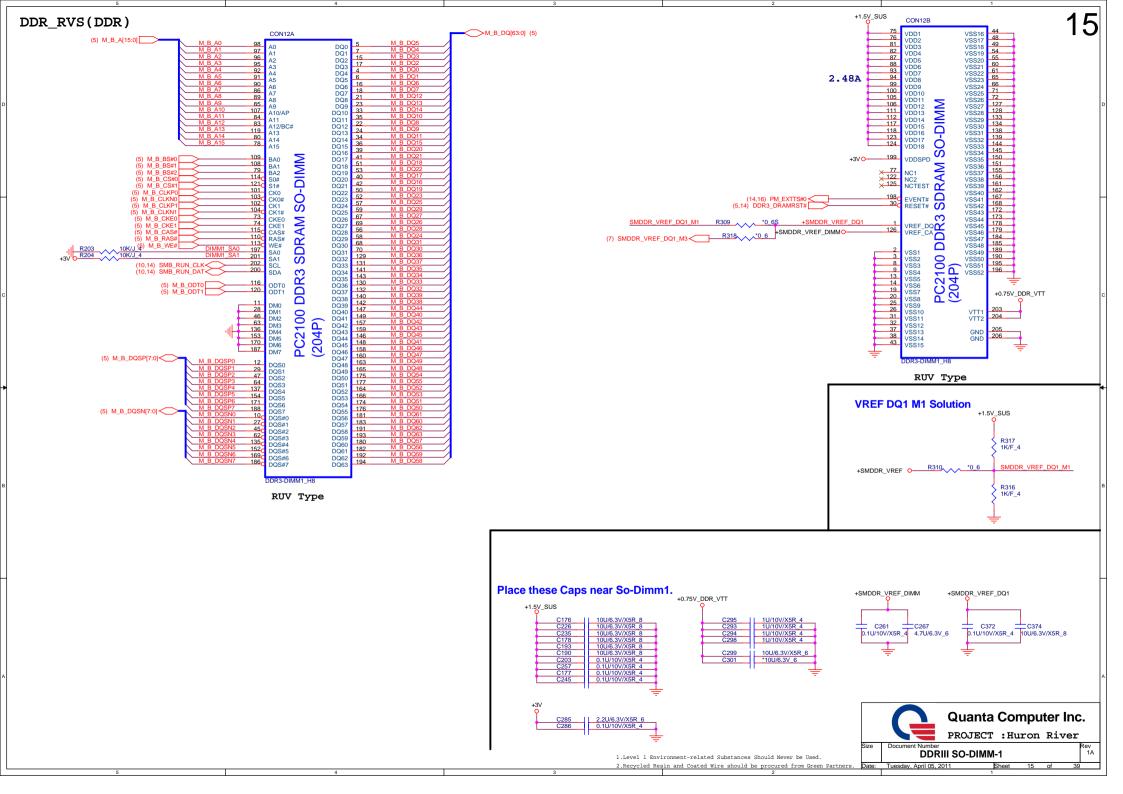


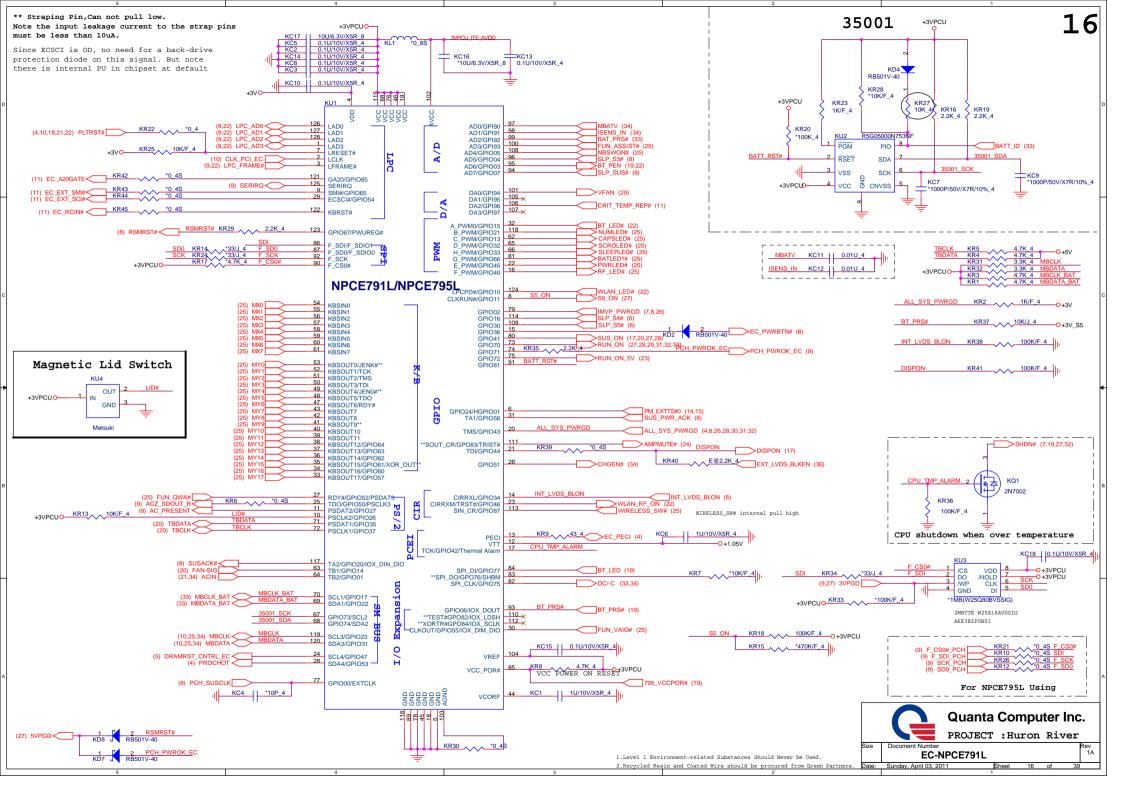


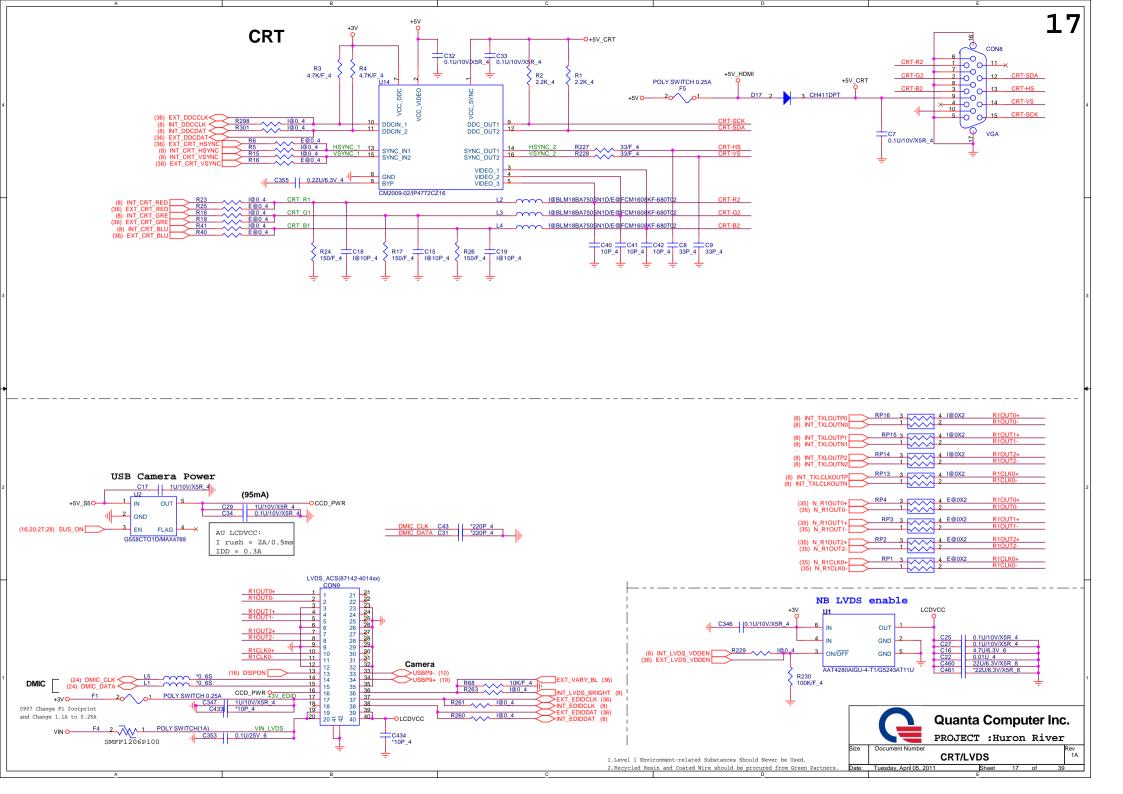


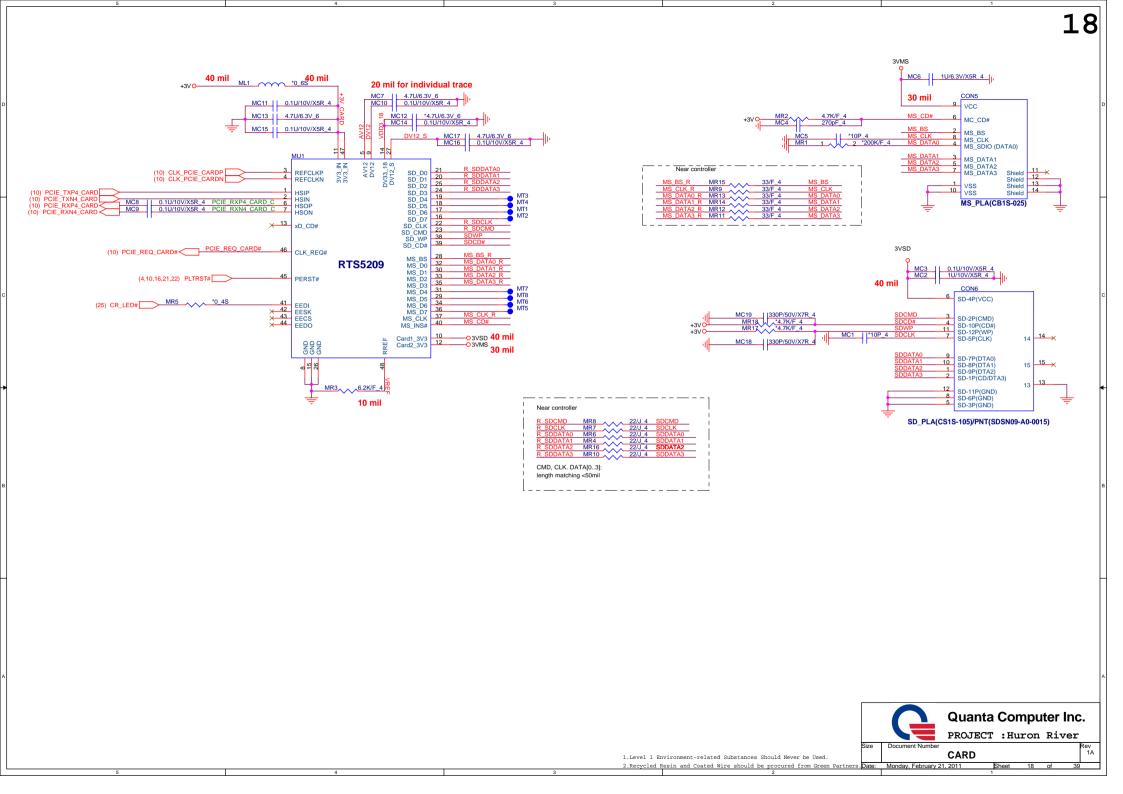


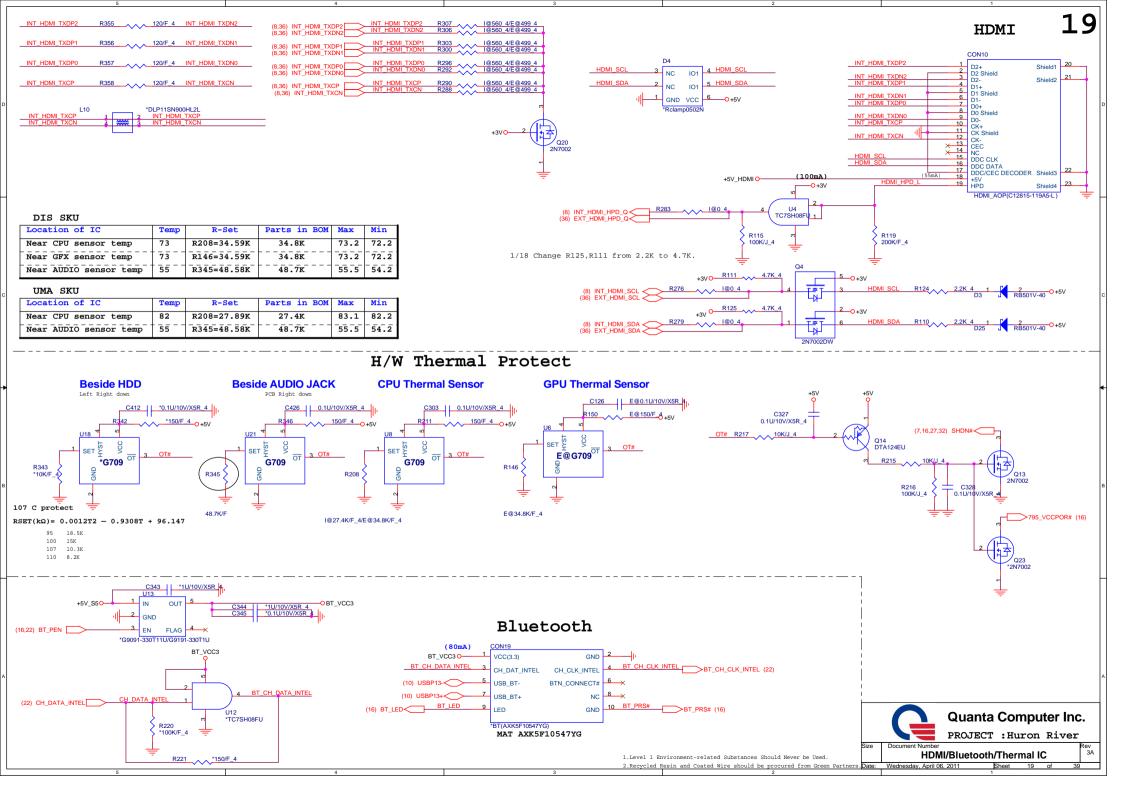


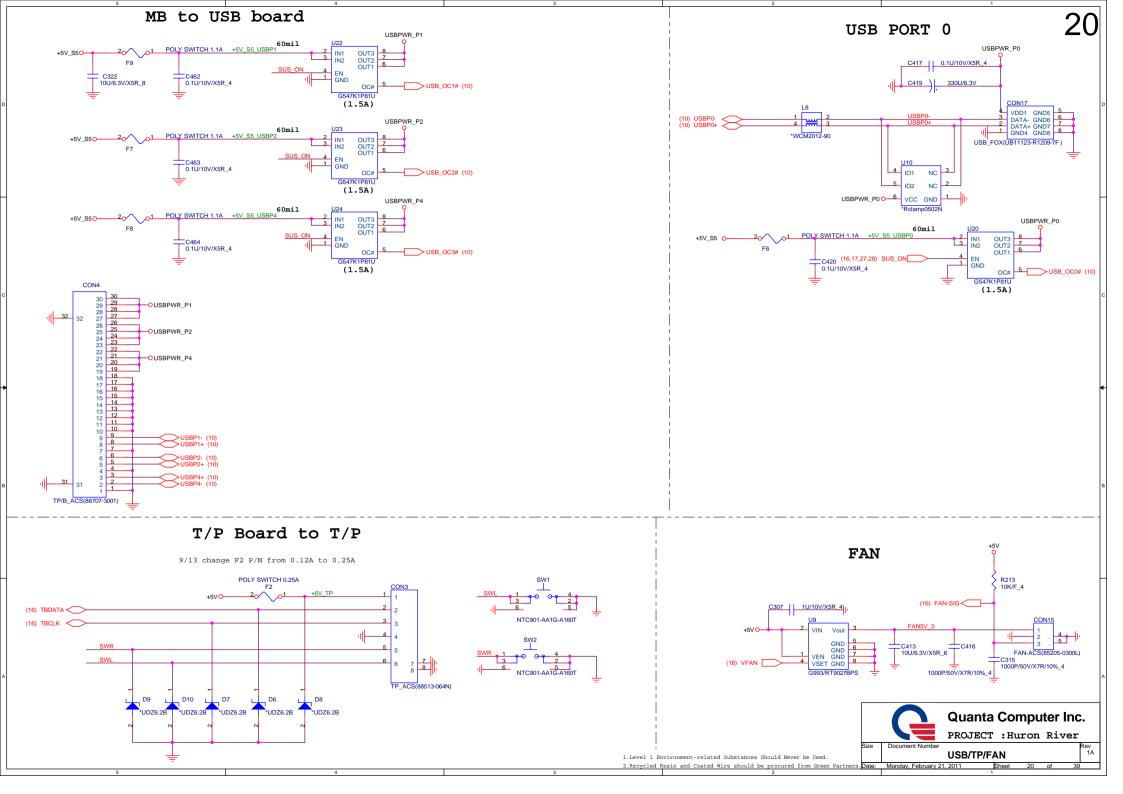


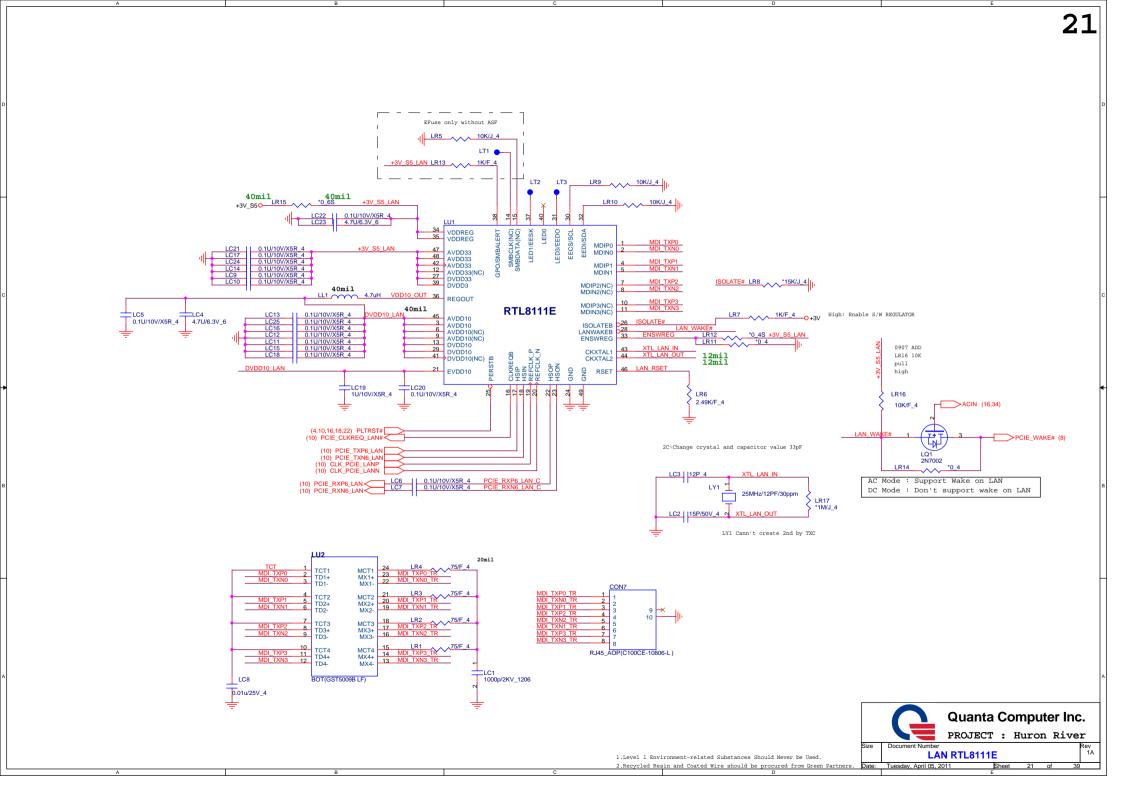


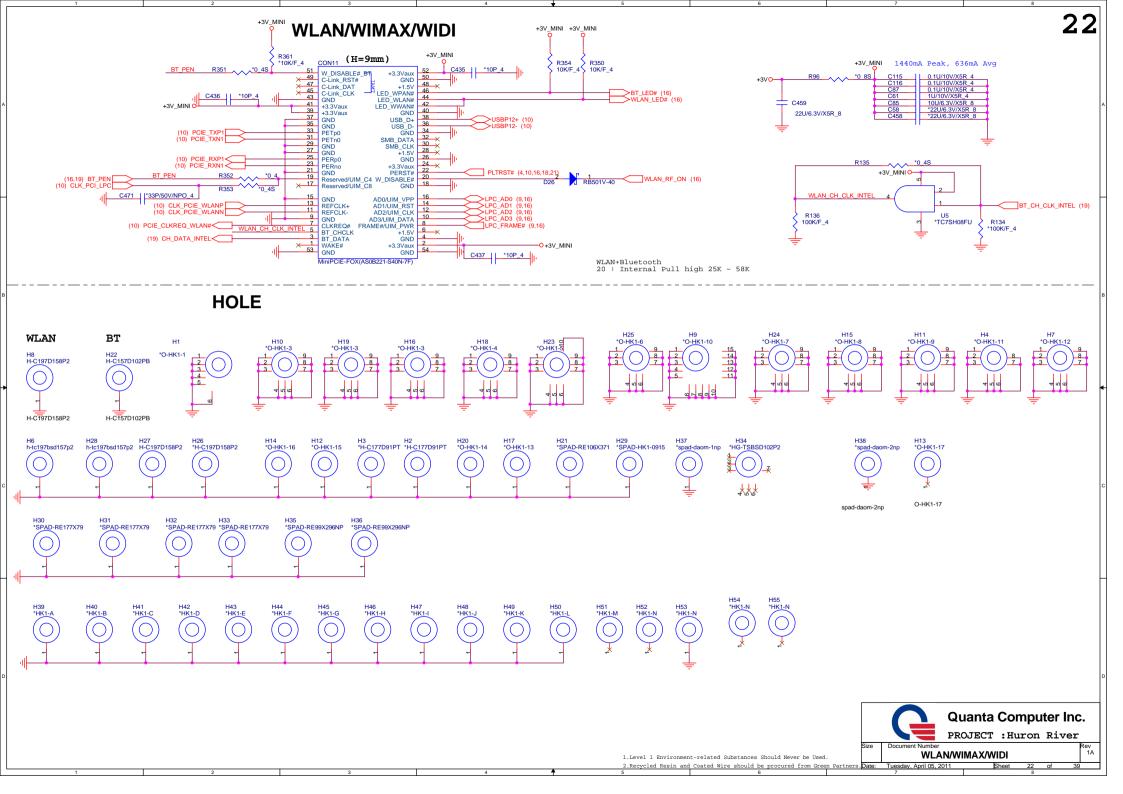


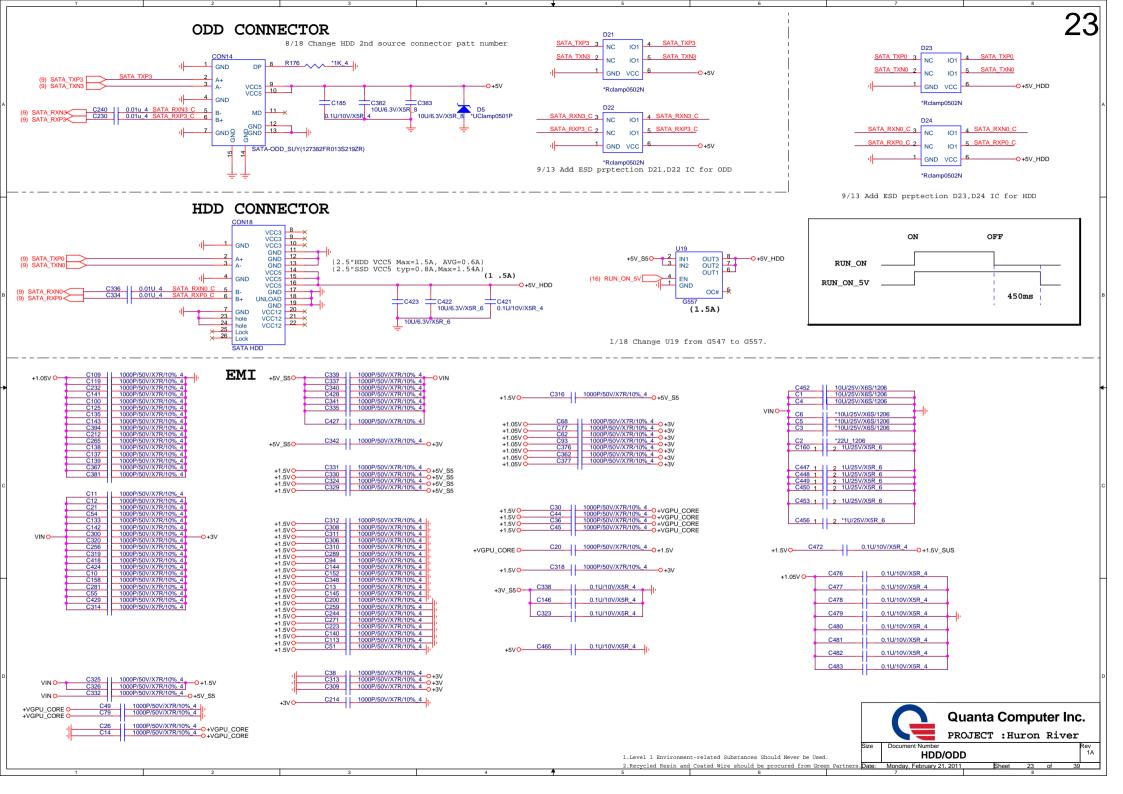


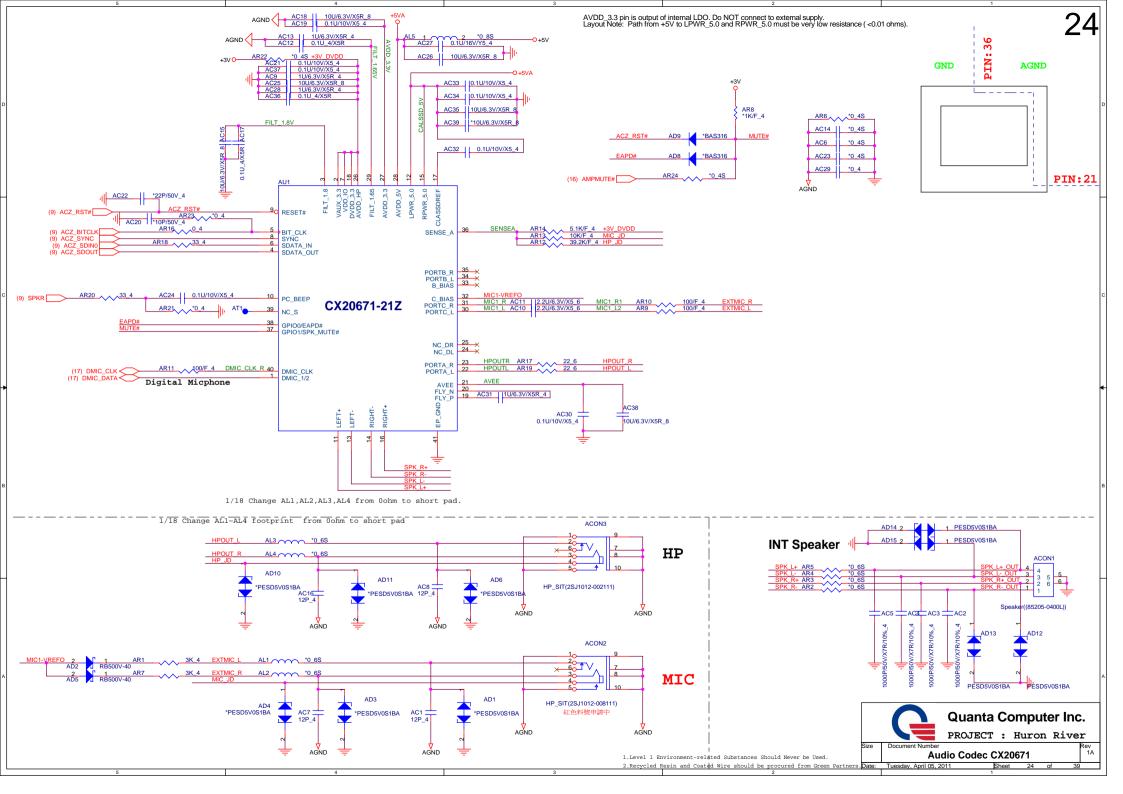


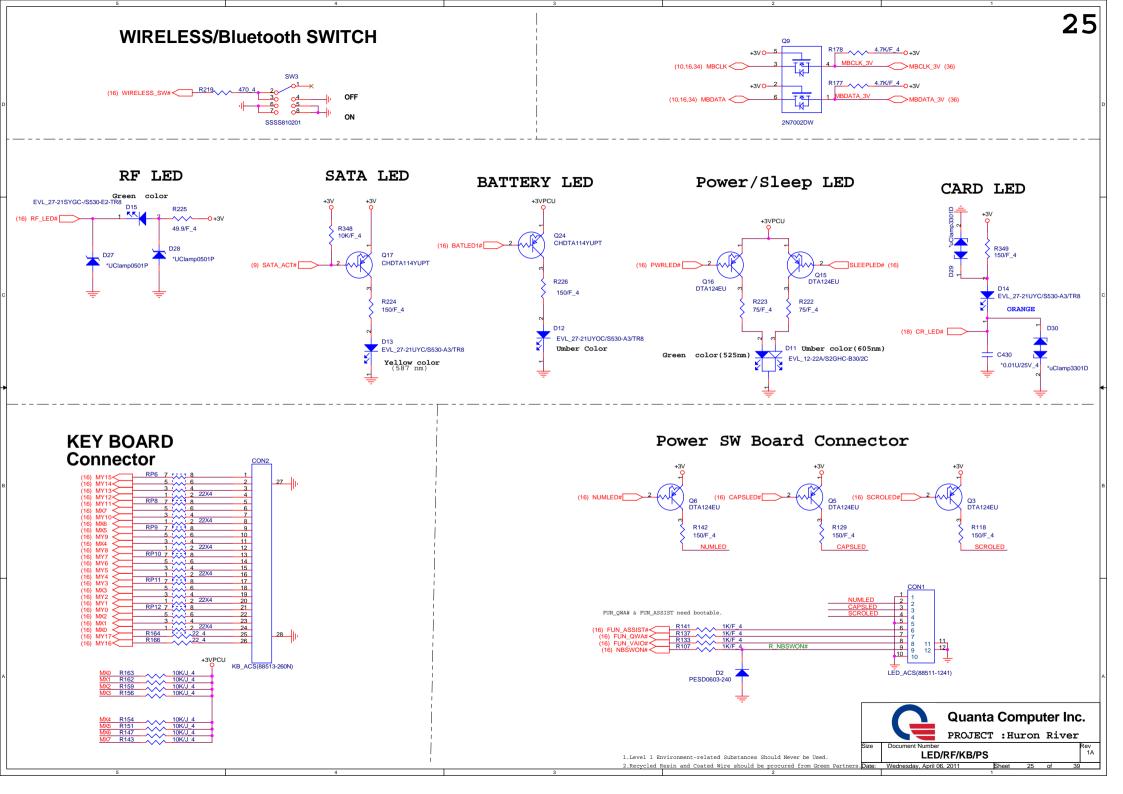


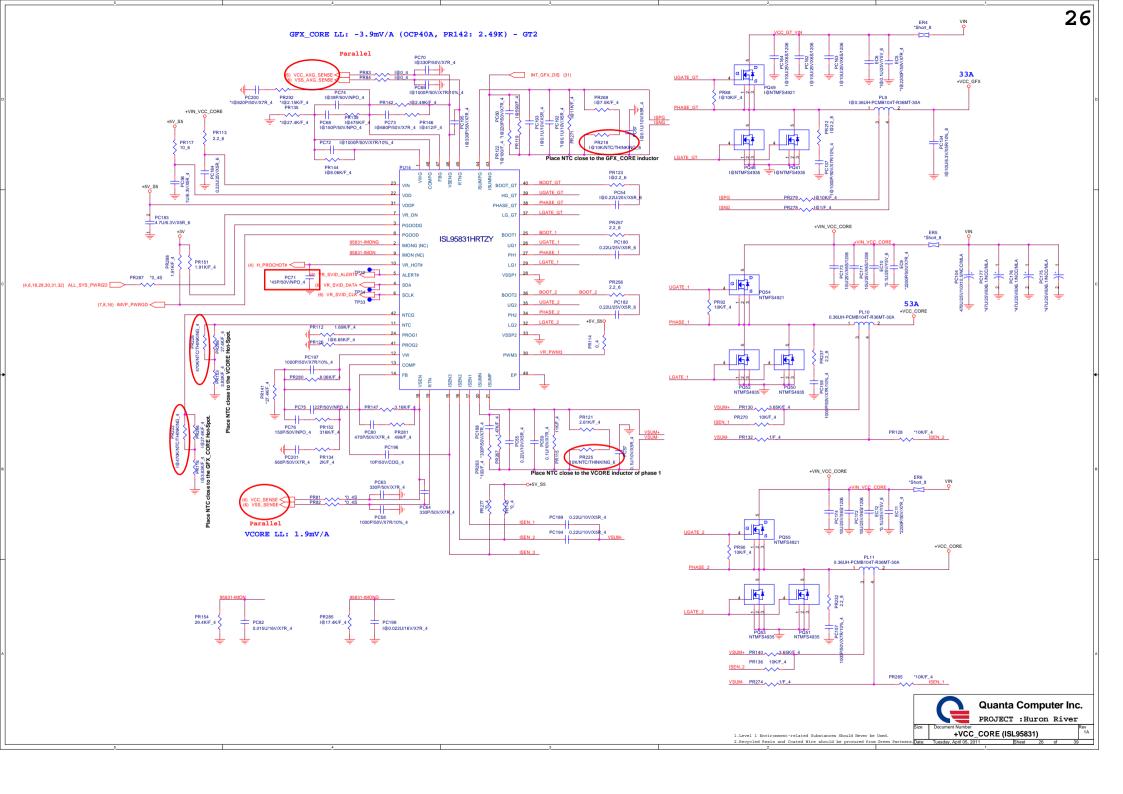


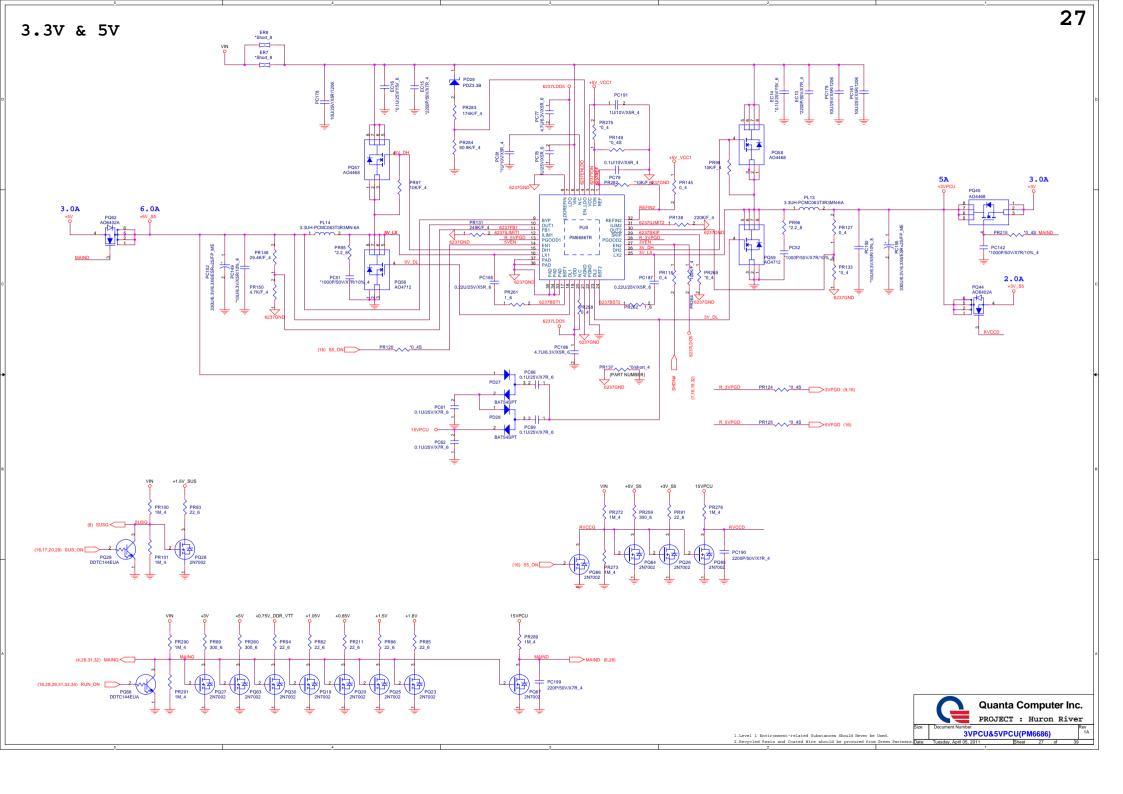




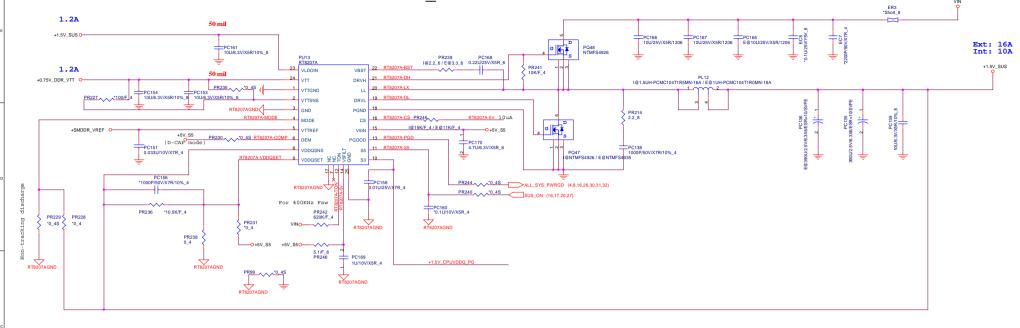


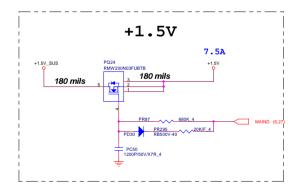


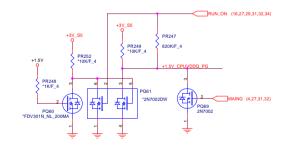




1.5VSUS & VTT MEM







+1.5V +0.75V_DDR_VTT	
+0.75V_DDR_V11	lms

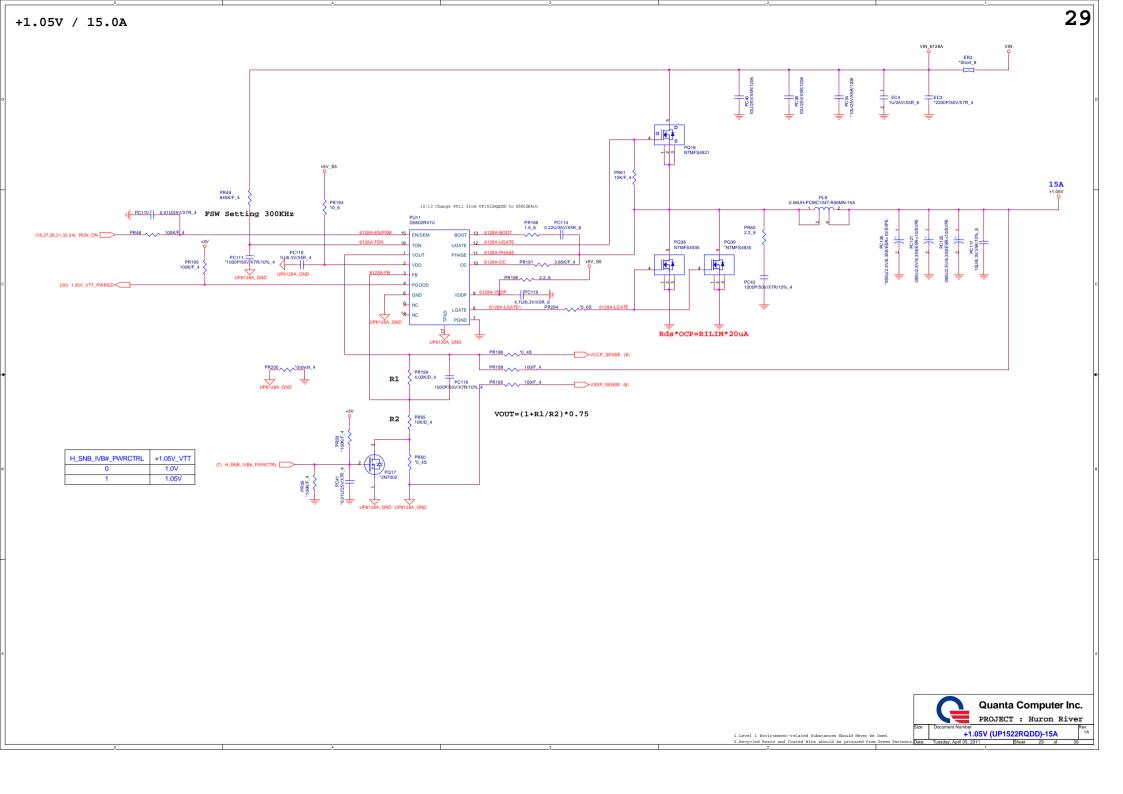
MODE	DISCHARGE MODE
+5V	No discharge
+1.5V	Tracking discharge
GND	Non-tracking discharge

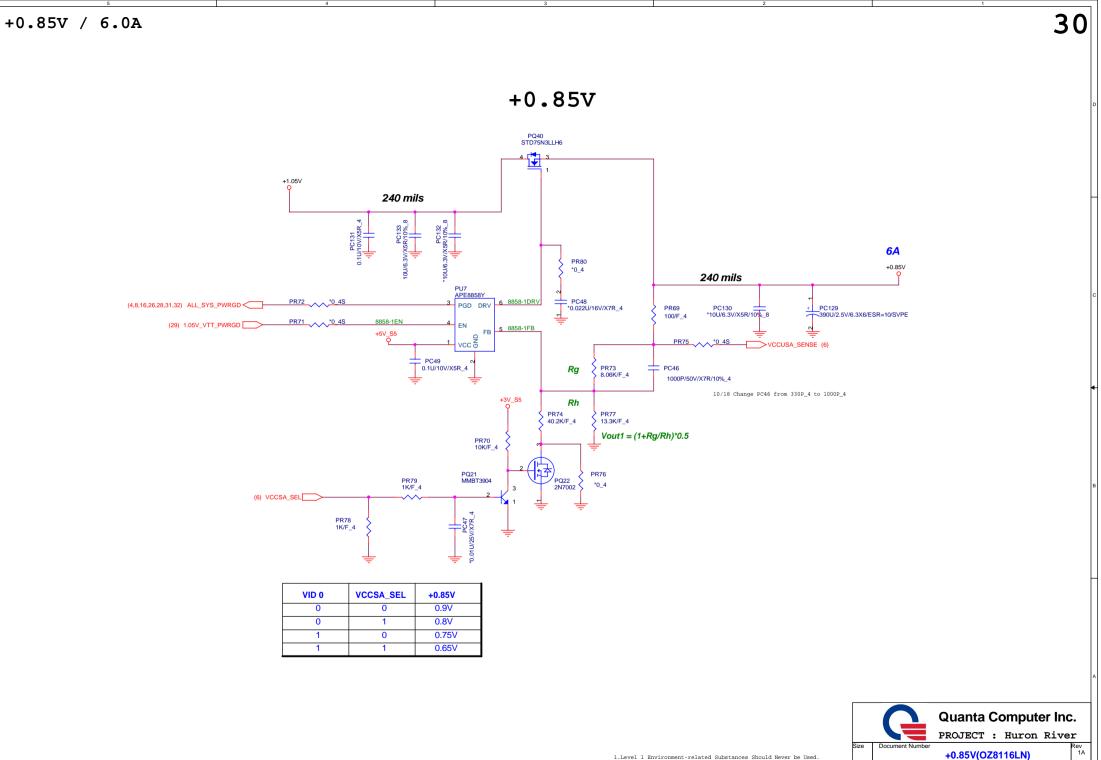
VDDQSET	VDDQ(V)	VTTREF & VTT	NOTE
GND	1.5 fixed	VDDQSNS/2	DDR3
5V	1.8 fixed	VDDQSNS/2	DDR2
FB-Resistor	Adjustable	VDDQSNS/2	1.5V <vddq<3v< td=""></vddq<3v<>

VTT = VTTREF = VDDQSNS/2 = 0.75V

STATE	S3	S5	1.5VSUS	VTTREF	VTT
S0	1	1	on	on	on
S3	0	1	on	on	off
S4/S5	0	0	off	off	off

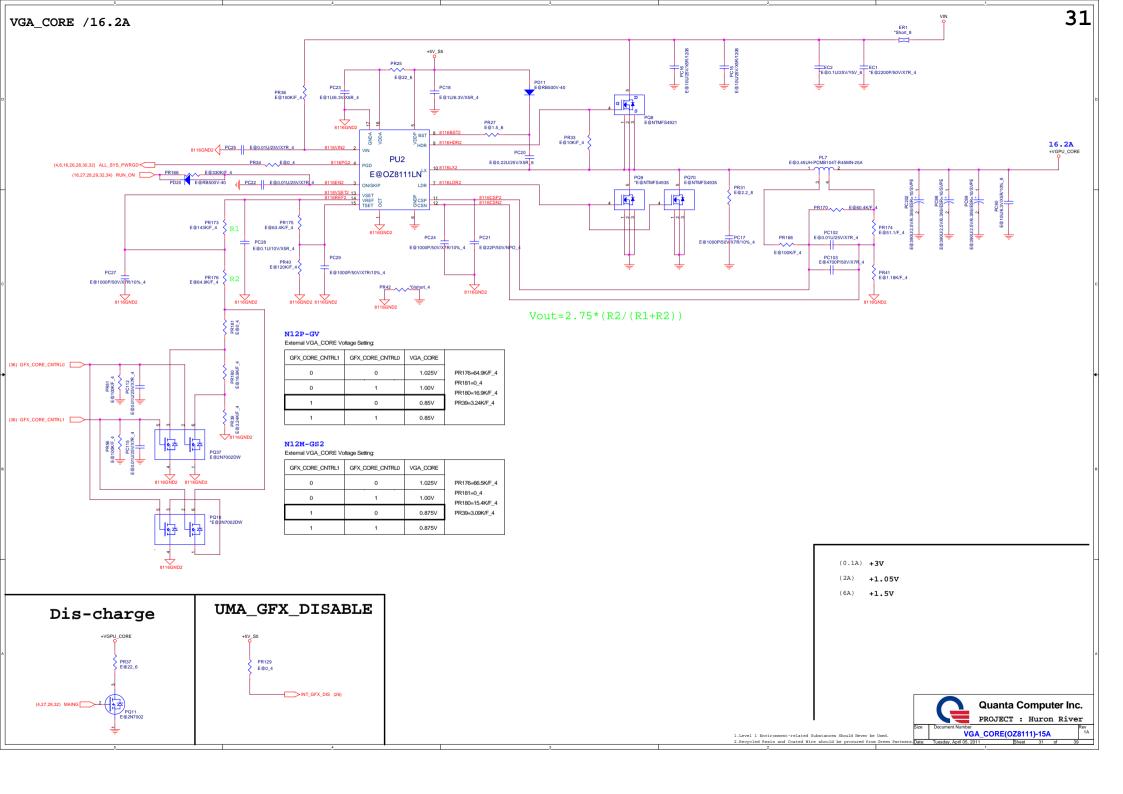
			Quanta	C	ompu	ter Inc	; .	
			PROJECT	:	Huron			
	Size	Document Number					Rev	
1.Level 1 Environment-related Substances Should Never be Used.		1.5	SVSUS/VTT	M	EM		1A	
2 Recycled Pagin and Costed Mire should be proposed from Green Dartners	Date:	Tuesday April 05 3	2011	Shac	t 28	of 30	-	

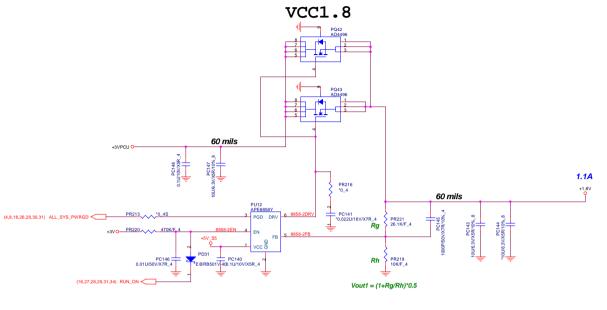


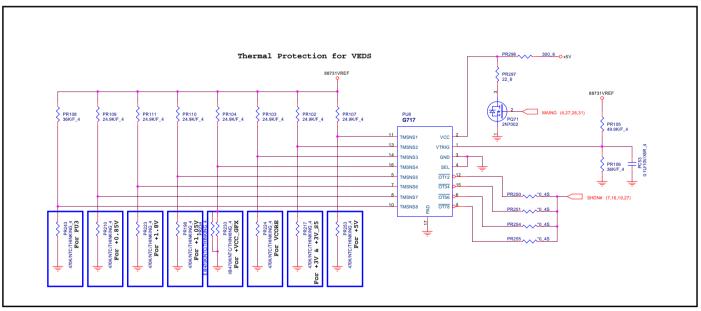


+0.85V(OZ8116LN)

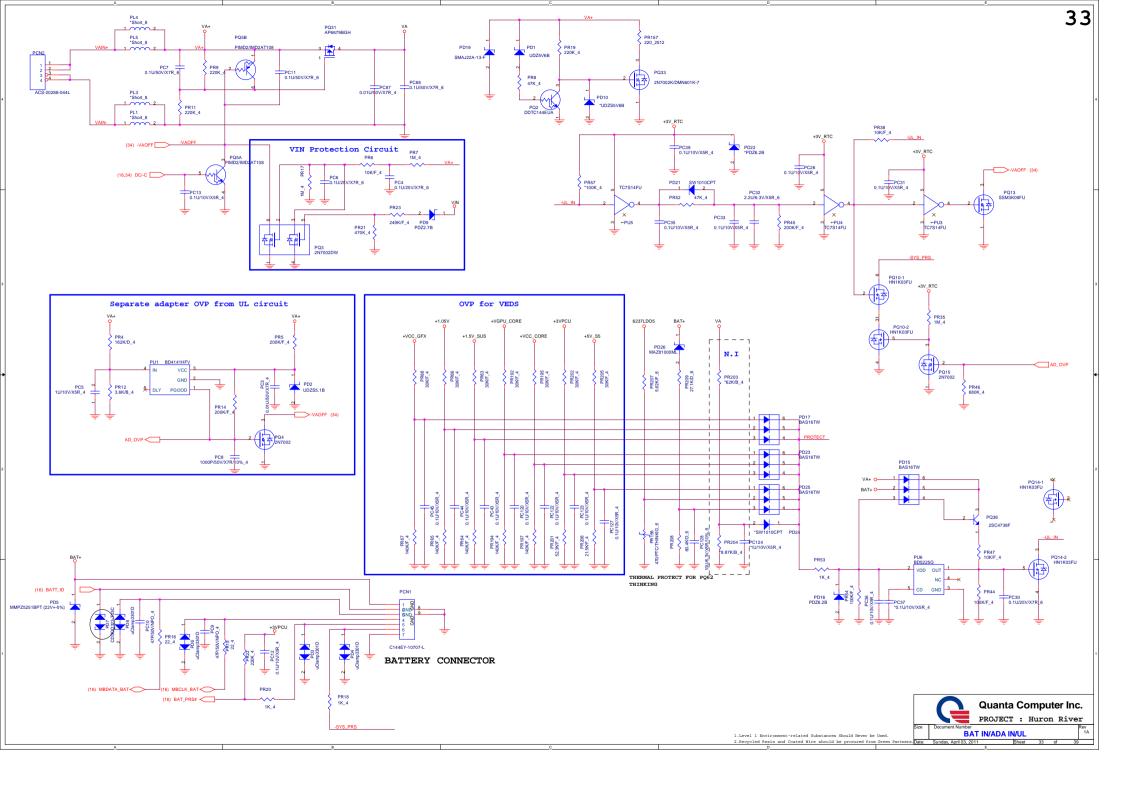
2.Recycled Resin and Coated Wire should be procured from Green Partners. Date: Tuesday, April 05, 201

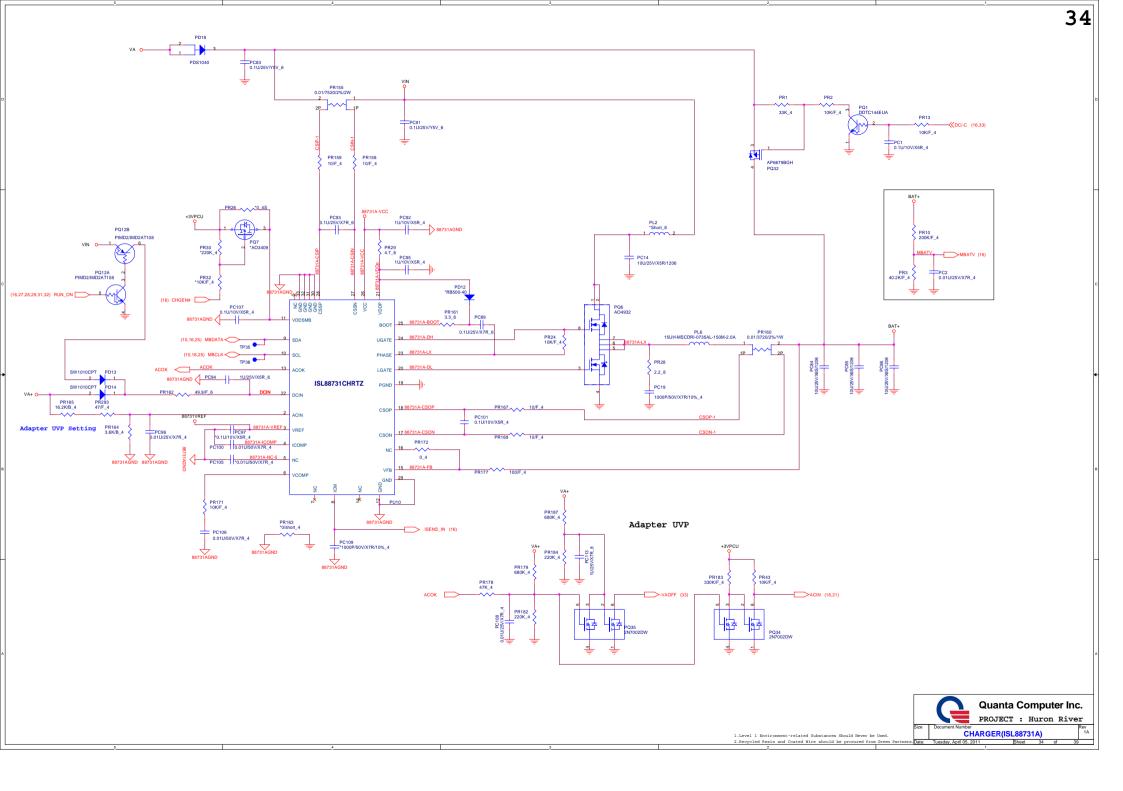


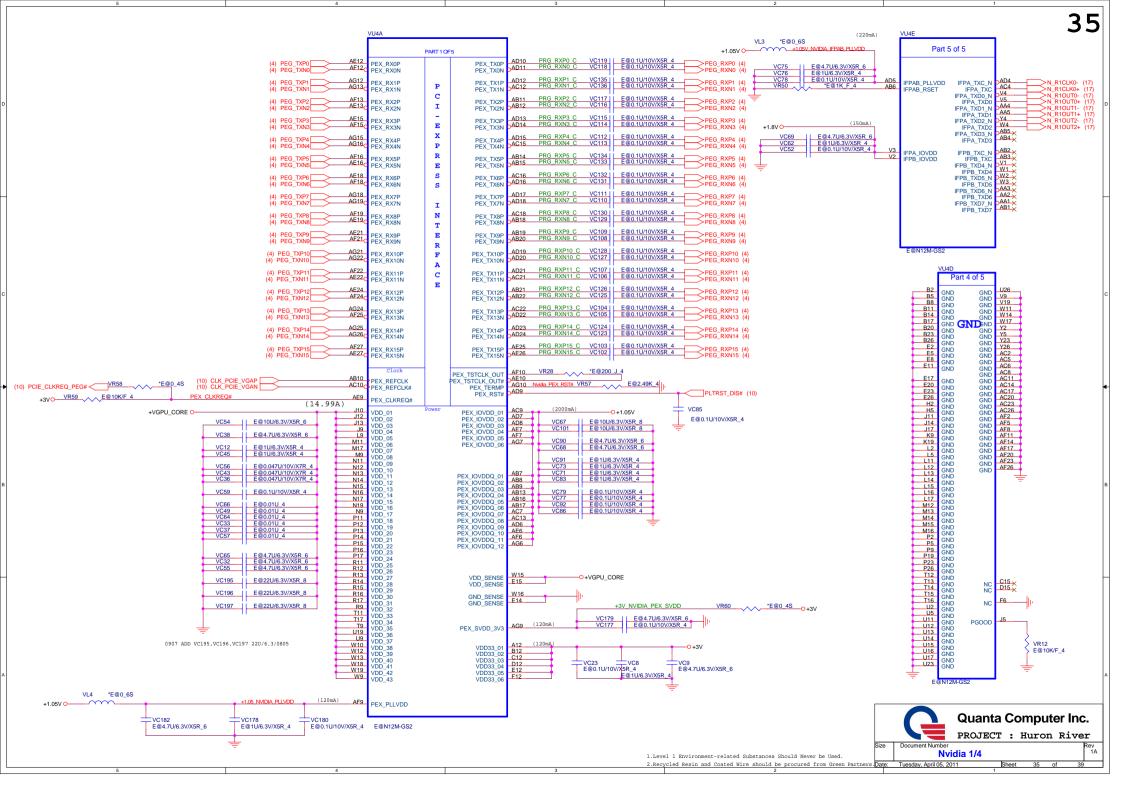


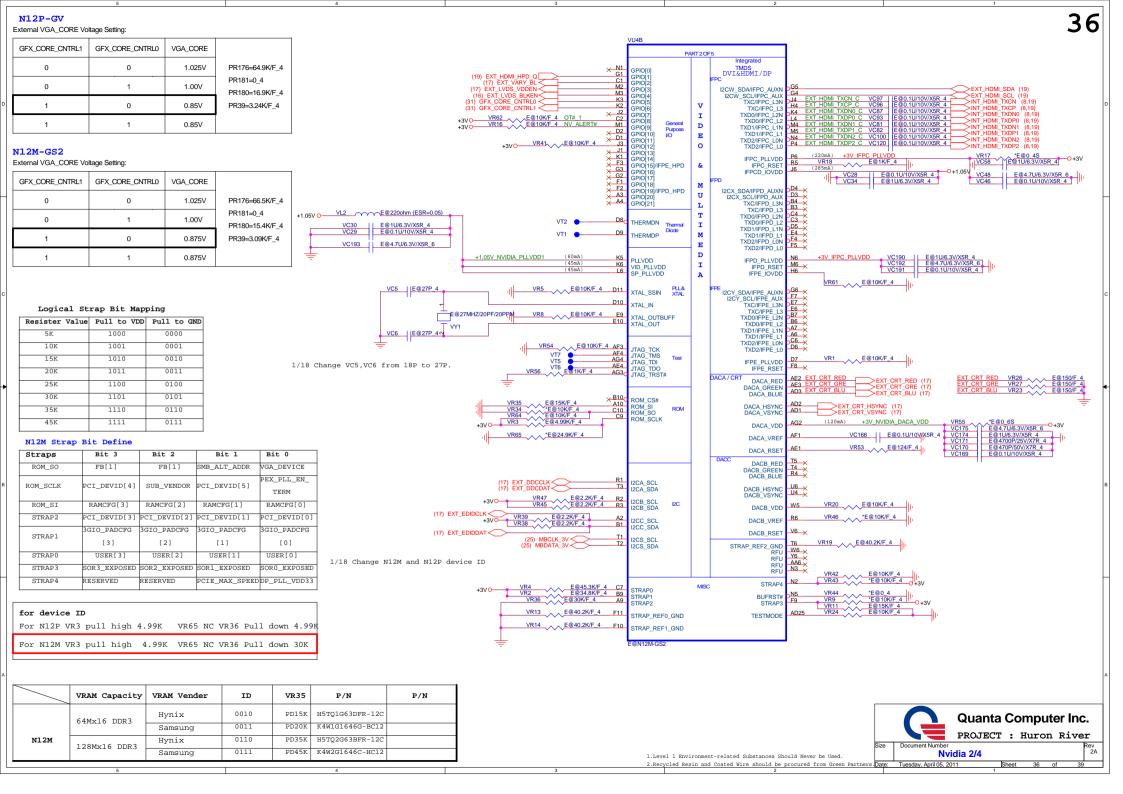


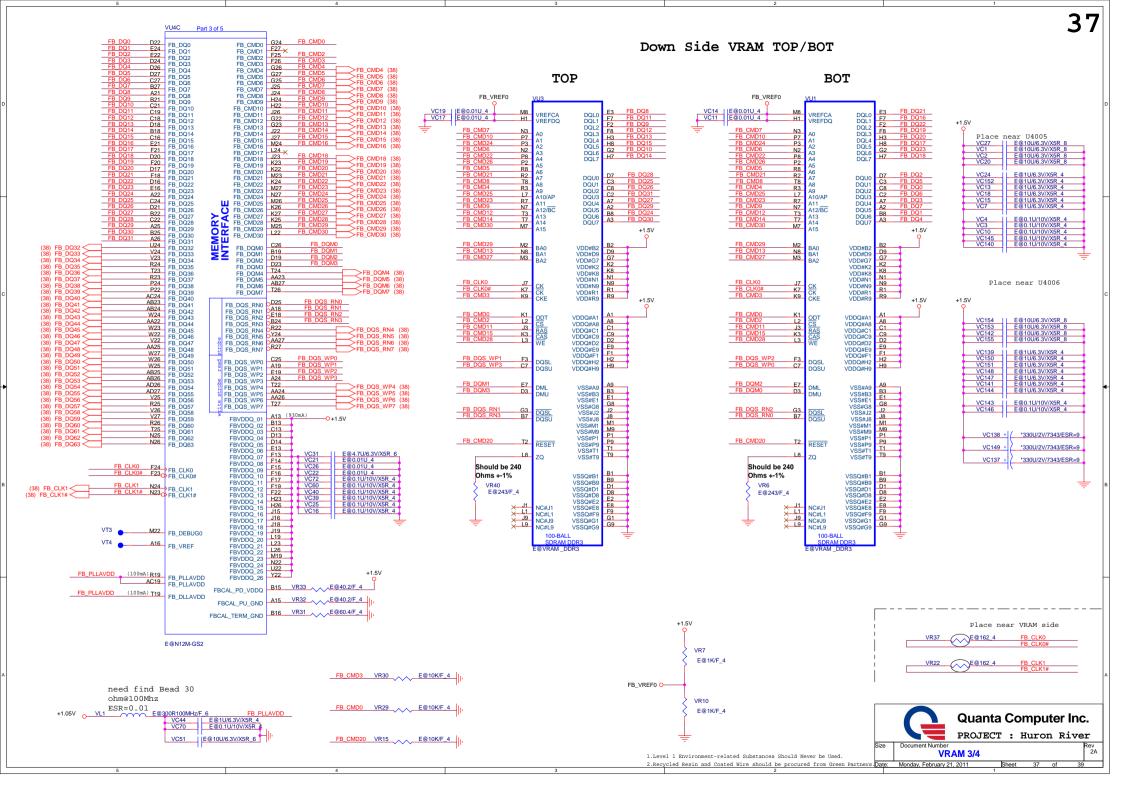


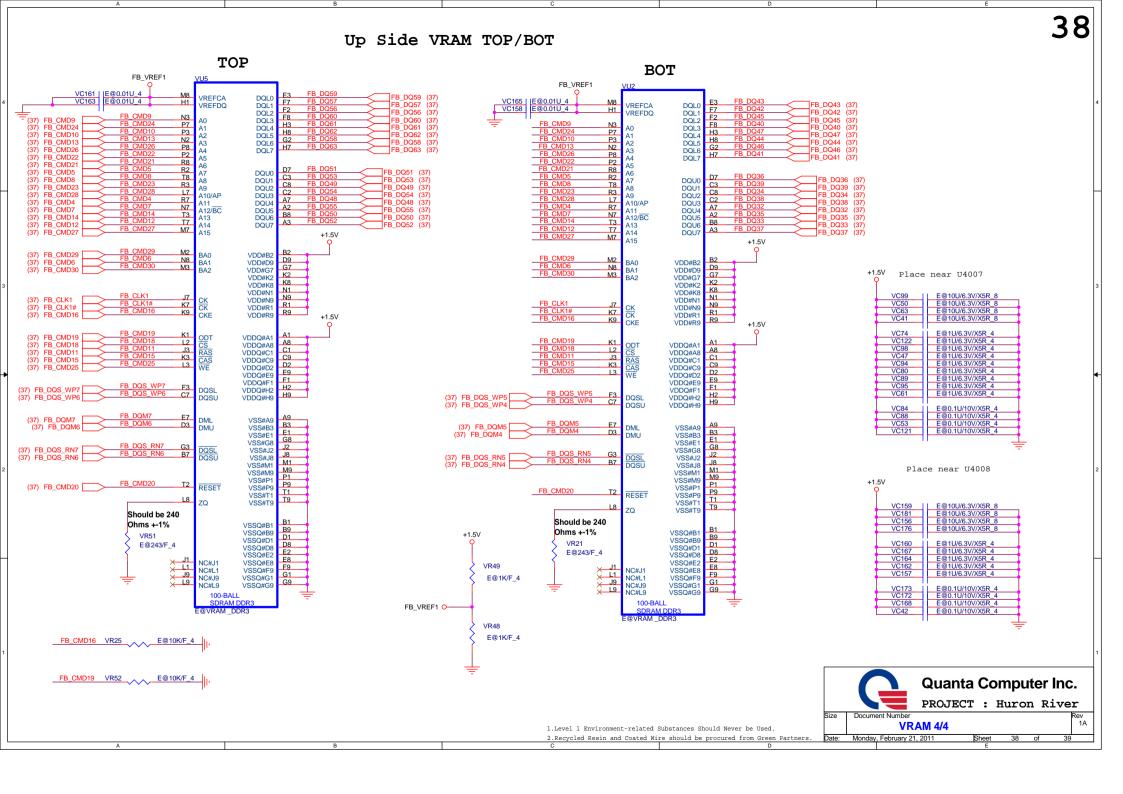












3 O

USB PORT Architecture for EVT PORT 0 IO Port PORT 1 IO Port PORT 2 IO Port PORT 3 N/A PORT 4 IO Port PORT 5 N/A PORT 6 N/A PORT 7 N/A PORT 8 N/A PORT 9 Camera PORT 10 N/A PORT 11 N/A PORT 12 WiMax PORT 13 BlueTooth

PCIE BUS PORT 1 WLAN Port PORT 2 N/A PORT 3 N/A PORT 4 CARD READER PORT 5 N/A PORT 6 GLAN(RTL8111E PORT 7 N/A PORT 8 N/A

SM BUS MBCLK/MBDATA

ISL88731CHRTZ 0001 001X

NVIDIA 1001 111X

	SATA	BUS
PORT	0	HDD
PORT	1	N/A
PORT	2	N/A
PORT	3	ODD
PORT	4	N/A

(N12M/N12P)	371 034		
R294	Stuff No Stuf		
R297	No Stuff	Stuff	

Board ID1 (VRAM Vendor)	Samaung	Hynix	
R47	Stuff	No Stuff	
R48	No Stuff	Stuff	

Soard ID2 (VRAM 1G/512M)	1G	512M
R39	Stuff	No Stuff
R27	No Stuff	Stuff

	DGPU_PRSNT#(GPI039)	BOARD_ID0 (GPIO16)	BOARD_ID1(GPIO6)	BOARD_ID2(GPIO17)
UMA	0	0	0	0
N12M-GS2_SAM_512MB	1	1	1	0
N12M-GS2-SAM_1GB	1	1	1	1
N12M-GS2-HYN_512MB	1	1	0	0
N12M-GS2-HYN_1GB	1	1	0	1
N12P-GV_SAM_512MB	1	0	1	0
N12P-GV-SAM_1GB	1	0	1	1
N12P-GV-HYN_512MB	1	0	0	0
N12P-GV-HYN1 1GB	1	0	0	1

5 4 3 2

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