QUANTA COMPUTER INC.

(March/31/2003) Rev : E

PROJECT : DT1
Quanta Computer Inc.

Size	Document Number	Rev
Custom	COVER PAGE	E

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DT1

VB Board

or

AGP Board

Video Bridge SiS/ 302LV

Graphic Chip ATi or nVIDIA

AGP Connector PAGE 15

AGP 4X BUS

S-Video PAGE 20

Y/C

CRT PAGE 16

RGB

RGB

CPU INTEL P4 (SOCKET-478) PAGE : 03,04,05

Host Bus (400/533MHz)

NORTH BRIDGE SIS M650 (BGA 702) PAGE : 06,07,08,09

266/333MHz DDR SDRAM

LONG-DIMM PAGE 17

LONG-DIMM PAGE 17

2*CPU/CPU-
1*SDRAM
2*HyperZip
1*AGP
4*PCI
3*REF
1*48MHz
0*24/48MHz

Main CLOCK GEN. PAGE : 14

CLK_IN
6*CLK_OUT/-
FB_OUT
FB_IN

DDR CLOCK BUFFER PAGE : 14

MUTIOL 533MHz

SOUTH BRIDGE SIS 962 (BGA 371) PAGE : 10,11,12,13

HDD PAGE 22

SECONDRY IDE

CDROM PAGE 22

PRIMARY IDE

USB

Card Reader Connector PAGE 19

USB4 PAGE 19

USB5 PAGE 19

USB2 PAGE 19

USB3 PAGE 19

MII

LAN PHY Broadcom/ AC101L PAGE 21

RJ45 PAGE 21

1394 PHY Agere/ FW802C PAGE 23

1394 PAGE 23

1394 PAGE 23

LPC

Audio DJ O2/ OZ263 PAGE 29

Audio DJ Board Connector PAGE 29

Audio Codec Realtek/ ALC202 PAGE 26

MIC-IN PAGE 26

BIOS PAGE 25

LPC

PCI
AC97
USB 1

Audio Amp NS/ LM4873LQ PAGE 27

Headphone PAGE 27

Speaker PAGE 27

Audio Amp NS/ LM4871LD PAGE 27

Sub-woofer PAGE 27

LED Board Connector PAGE 19

Keyboard Connector PAGE 28

KEY MATRIX

EC Winbond/ W83L950D PAGE 28

PS2

Touchpad Board Connector PAGE 19

KB/MS PAGE 19

PCI Board Connector PAGE 20

PCI Board

Card Bus O2/ OZ6912

PCMCIA Slot

Mini-PCI Slot

MDC Slot

RJ11 PAGE 21

LPT PAGE 22

COM PAGE 24

Super IO SMSC/ LPC47M192 PAGE 25

FDD PAGE 25

FAN1 PAGE 16

FAN2 PAGE 16

Power

RTCVDD

VIN
VA2
VAD

VDDQ

12V_HDD

VCC2.5_M
VCC2.5_MEM
DDR_VTT

5VPCU
3VPCU
+5VSUS
+3VSUS
5V
12VOUT
3V

1.8VSUS

1.8V

VCCP
VCCVID
DDR_VTT

RTC PAGE : 24

BATTERY & ACIN PAGE : 30

12V & VDDQ PAGE : 31

DDR & 2.5V PAGE : 32

SYSTEM POWER PAGE : 33

POWER DISCHARGE PAGE : 34

POWER CORE PAGE : 35

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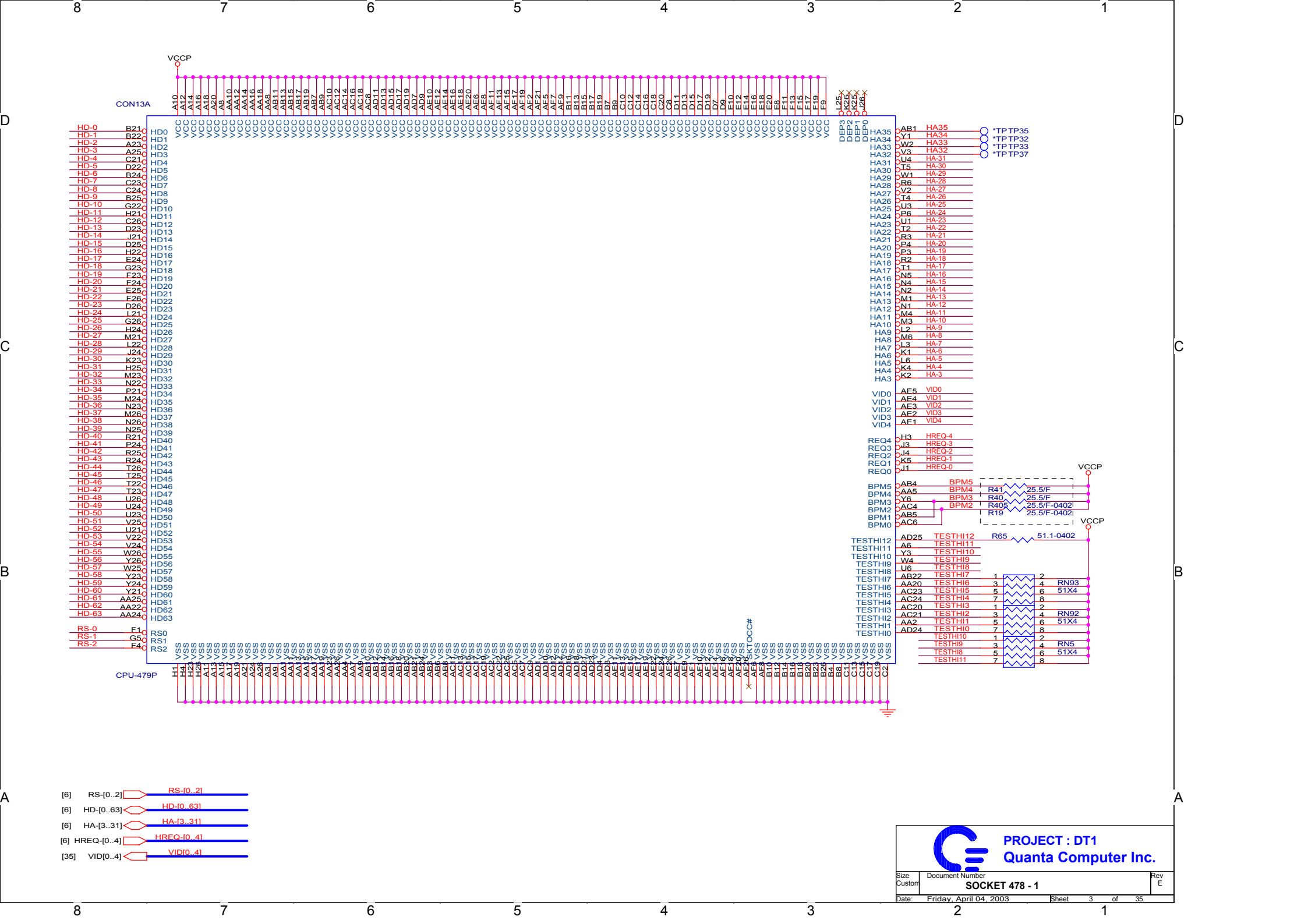
CON13A
CPU-479P
VCCP
HD-0
HD-1
HD-2
HD-3
HD-4
HD-5
HD-6
HD-7
HD-8
HD-9
HD-10
HD-11
HD-12
HD-13
HD-14
HD-15
HD-16
HD-17
HD-18
HD-19
HD-20
HD-21
HD-22
HD-23
HD-24
HD-25
HD-26
HD-27
HD-28
HD-29
HD-30
HD-31
HD-32
HD-33
HD-34
HD-35
HD-36
HD-37
HD-38
HD-39
HD-40
HD-41
HD-42
HD-43
HD-44
HD-45
HD-46
HD-47
HD-48
HD-49
HD-50
HD-51
HD-52
HD-53
HD-54
HD-55
HD-56
HD-57
HD-58
HD-59
HD-60
HD-61
HD-62
HD-63
RS-0
RS-1
RS-2
HA35
HA34
HA33
HA32
HA-31
HA-30
HA-29
HA-28
HA-27
HA-26
HA-25
HA-24
HA-23
HA-22
HA-21
HA-20
HA-19
HA-18
HA-17
HA-16
HA-15
HA-14
HA-13
HA-12
HA-11
HA-10
HA-9
HA-8
HA-7
HA-6
HA-5
HA-4
HA-3
*TP TP35
*TP TP32
*TP TP33
*TP TP37
VID0
VID1
VID2
VID3
VID4
HREQ-4
HREQ-3
HREQ-2
HREQ-1
HREQ-0
BPM5
BPM4
BPM3
BPM2
R41 25.5/F
R40 25.5/F
R405 25.5/F-0402
R19 25.5/F-0402
R65 51.1-0402
RN93 51X4
RN92 51X4
RN5 51X4
TESTHI12
TESTHI11
TESTHI10
TESTHI9
TESTHI8
TESTHI7
TESTHI6
TESTHI5
TESTHI4
TESTHI3
TESTHI2
TESTHI1
TESTHI0
XDP_TOCC#
[6] RS-[0..2]
[6] HD-[0..63]
[6] HA-[3..31]
[6] HREQ-[0..4]
[35] VID[0..4]
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Quanta Computer Inc.
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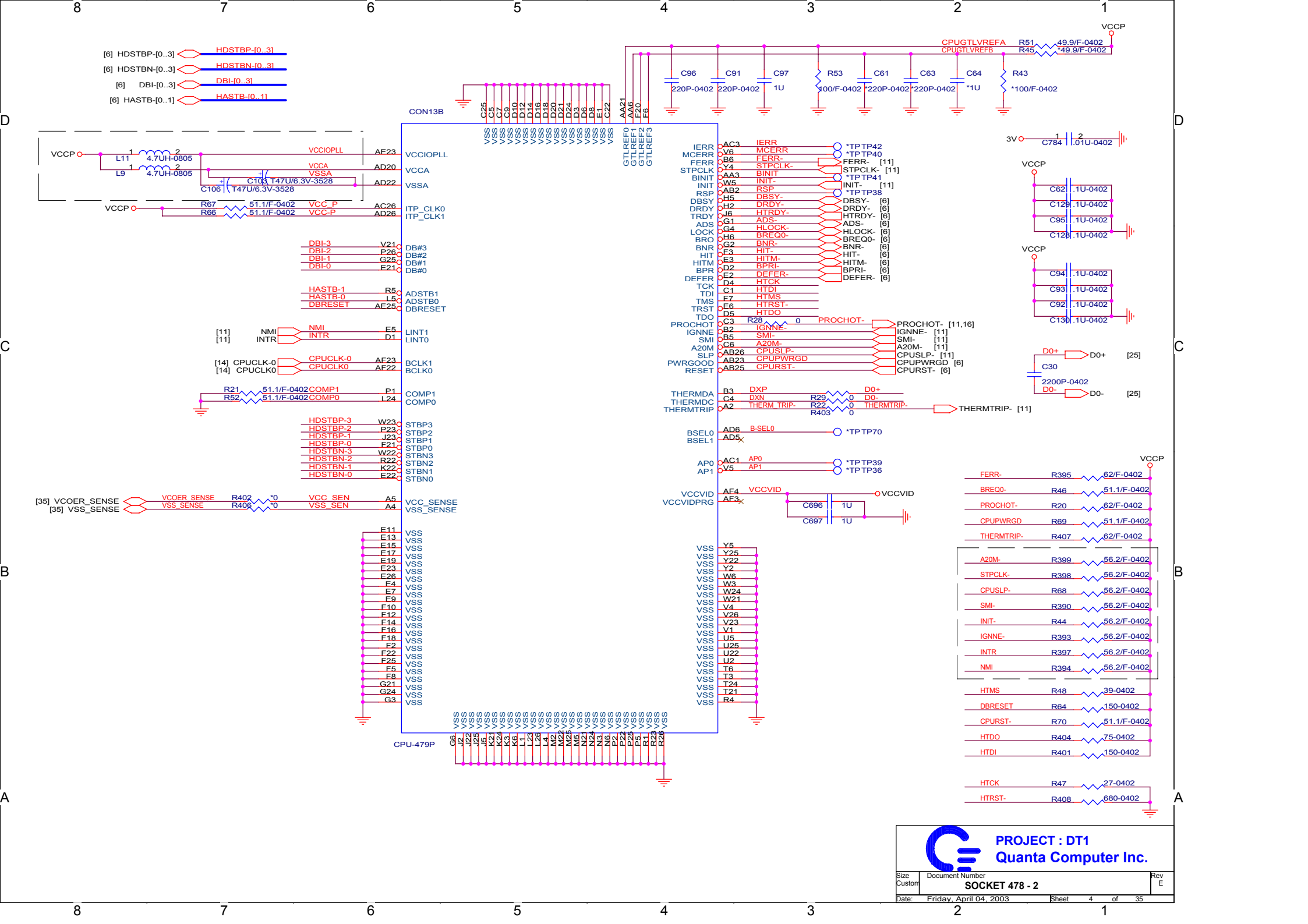
CON13B
CPU-479P
VCCP
HDSTBP-[0..3]
HDSTBN-[0..3]
DBI-[0..3]
HASTB-[0..1]
CPUGTLVREFA
CPUGTLVREFB
R51 49.9/F-0402
R45 *49.9/F-0402
C96 220P-0402
C91 220P-0402
C97 1U
R53 *100/F-0402
C61 *220P-0402
C63 *220P-0402
C64 *1U
R43 *100/F-0402
3V
C784 .01U-0402
C62 .1U-0402
C129 .1U-0402
C95 .1U-0402
C128 .1U-0402
C94 .1U-0402
C93 .1U-0402
C92 .1U-0402
C130 .1U-0402
L11 4.7UH-0805
L9 4.7UH-0805
C106 T47U/6.3V-3528
C103 T47U/6.3V-3528
R67 51.1/F-0402
R66 51.1/F-0402
VCCIOPLL
VCCA
VSSA
VCC_P
VCC-P
ITP_CLK0
ITP_CLK1
DBI-3
DBI-2
DBI-1
DBI-0
DB#3
DB#2
DB#1
DB#0
HASTB-1
HASTB-0
DBRESET
ADSTB1
ADSTB0
DBRESET
NMI
INTR
LINT1
LINT0
CPUCLK-0
CPUCLK0
BCLK1
BCLK0
R21 51.1/F-0402
R52 51.1/F-0402
COMP1
COMP0
HDSTBP-3
HDSTBP-2
HDSTBP-1
HDSTBP-0
HDSTBN-3
HDSTBN-2
HDSTBN-1
HDSTBN-0
STBP3
STBP2
STBP1
STBP0
STBN3
STBN2
STBN1
STBN0
VCOER_SENSE
VSS_SENSE
R402 *0
R406 *0
VCC_SEN
VSS_SEN
VCC_SENSE
VSS_SENSE
VSS
IERR
MCERR
FERR
STPCLK
BINIT
INIT
RSP
DBSY
DRDY
TRDY
ADS
LOCK
BRO
BNR
HIT
HITM
BPR
DEFER
TCK
TDI
TMS
TRST
TDO
PROCHOT
IGNNE
SMI
A20M
SLP
PWRGOOD
RESET
R28 0
PROCHOT-
THERMDA
THERMDC
THERMTRIP
DXP
DXN
THERM_TRIP-
R29 0
R22 0
R403 0
D0+
D0-
C30 2200P-0402
THERMTRIP-
BSEL0
BSEL1
B-SEL0
AP0
AP1
VCCVID
VCCVIDPRG
C696 1U
C697 1U
FERR- R395 62/F-0402
BREQ0- R46 51.1/F-0402
PROCHOT- R20 62/F-0402
CPUPWRGD R69 51.1/F-0402
THERMTRIP- R407 62/F-0402
A20M- R399 56.2/F-0402
STPCLK- R398 56.2/F-0402
CPUSLP- R68 56.2/F-0402
SMI- R390 56.2/F-0402
INIT- R44 56.2/F-0402
IGNNE- R393 56.2/F-0402
INTR R397 56.2/F-0402
NMI R394 56.2/F-0402
HTMS R48 39-0402
DBRESET R64 150-0402
CPURST- R70 51.1/F-0402
HTDO R404 75-0402
HTDI R401 150-0402
HTCK R47 27-0402
HTRST- R408 680-0402
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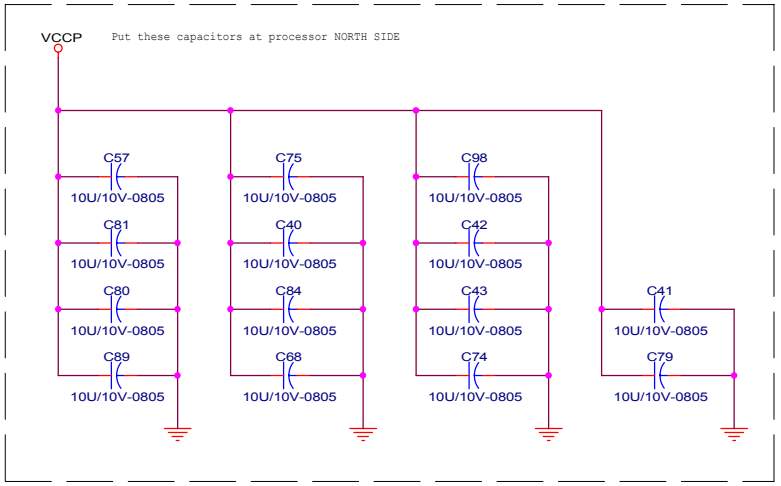
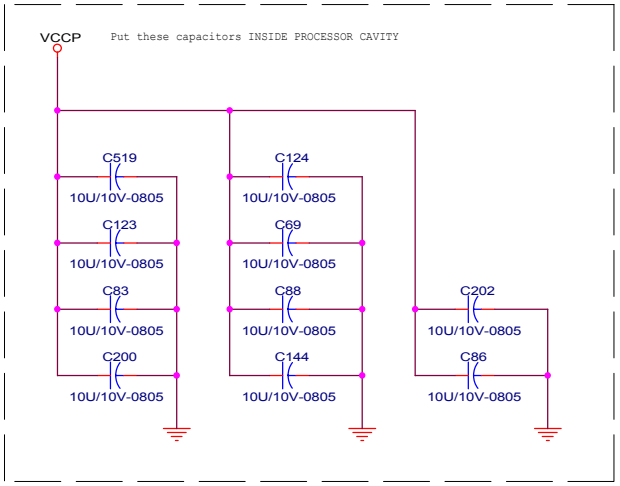
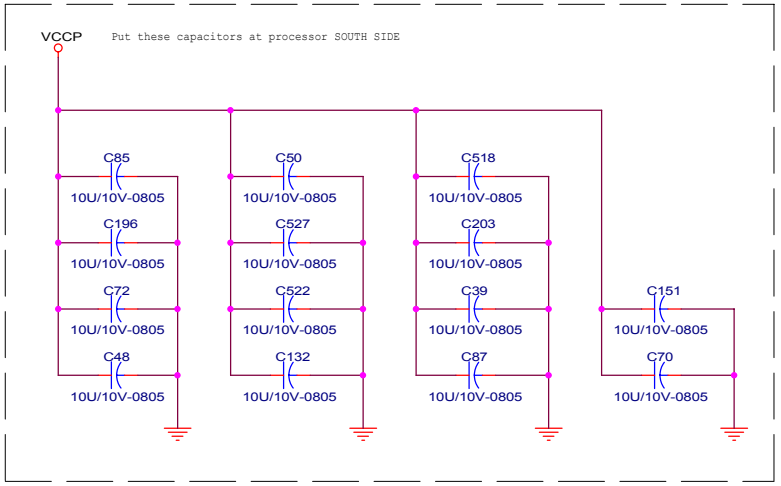
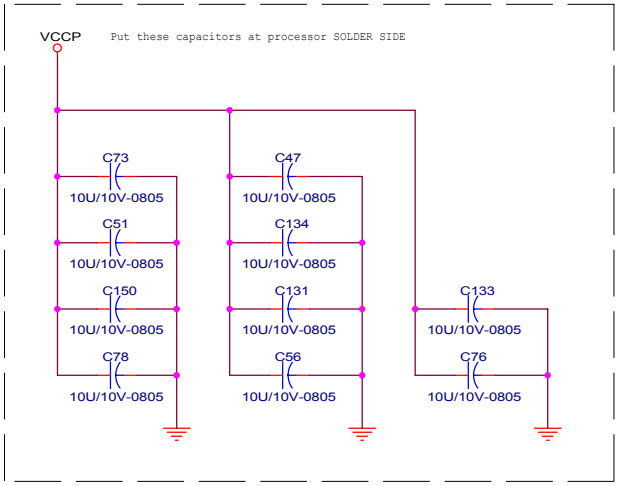
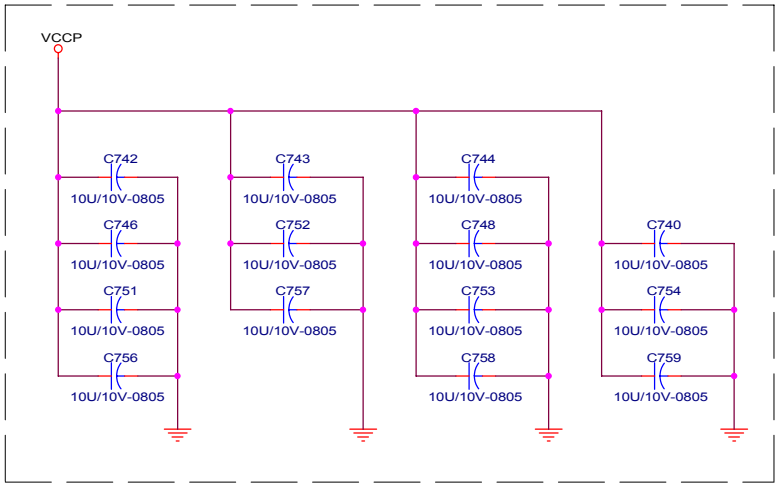


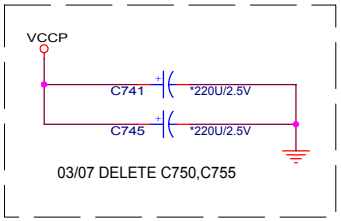






P.S. Choose X7R/X5R components instead of Y5V for all 10uF_1206 capacitors on this page.





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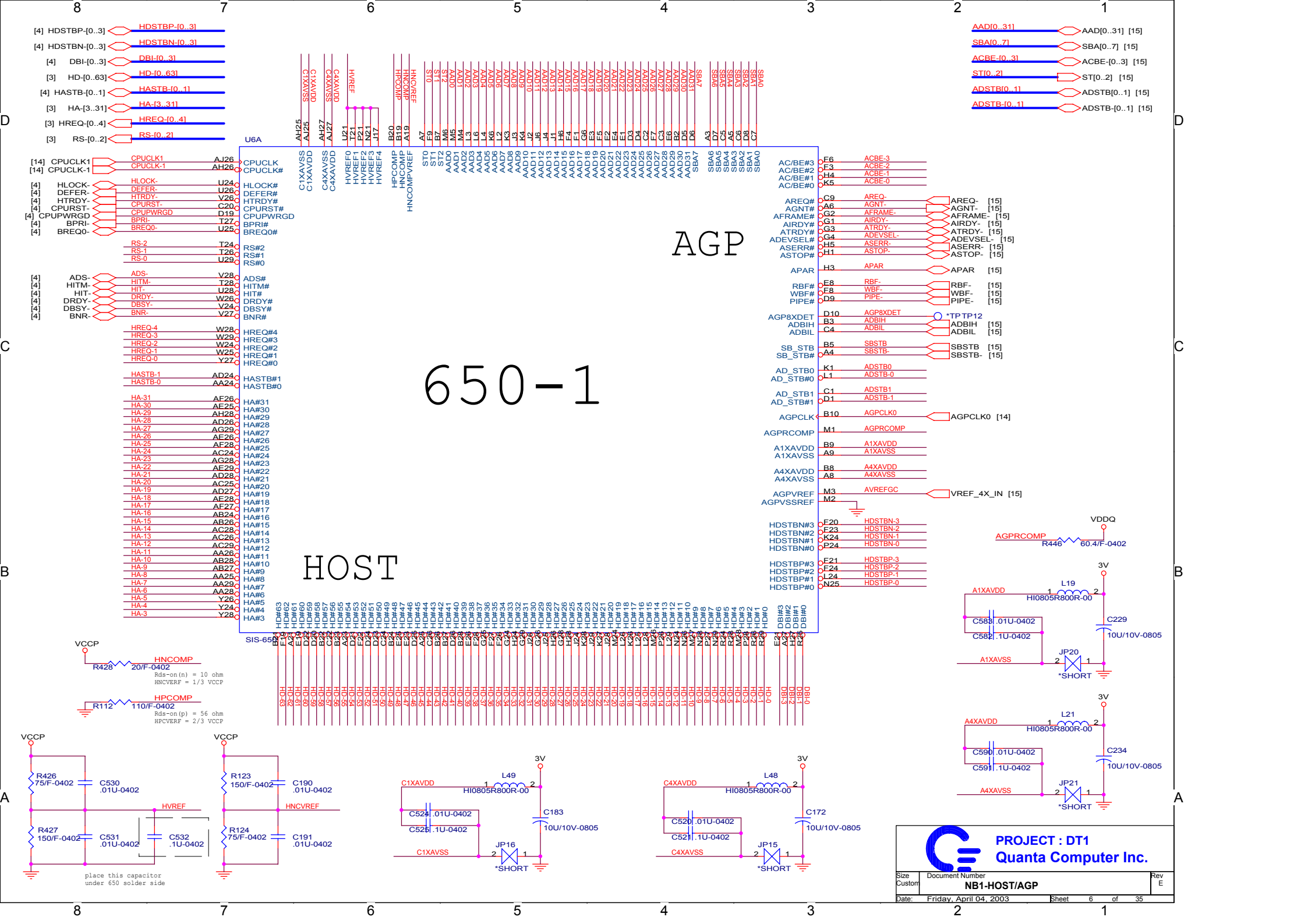
650-1
HOST
AGP
SIS-650
U6A
CPUCLK
CPUCLK#
HLOCK#
DEFER#
HTRDY#
CPURST#
CPUPWRGD
BPRI#
BREQ0#
RS#2
RS#1
RS#0
ADS#
HITM#
HIT#
DRDY#
DBSY#
BNR#
HREQ#4
HREQ#3
HREQ#2
HREQ#1
HREQ#0
HASTB#1
HASTB#0
HA#31
HA#30
HA#29
HA#28
HA#27
HA#26
HA#25
HA#24
HA#23
HA#22
HA#21
HA#20
HA#19
HA#18
HA#17
HA#16
HA#15
HA#14
HA#13
HA#12
HA#11
HA#10
HA#9
HA#8
HA#7
HA#6
HA#5
HA#4
HA#3
AC/BE#3
AC/BE#2
AC/BE#1
AC/BE#0
AREQ#
AGNT#
AFRAME#
AIRDY#
ATRDY#
ADEVSEL#
ASERR#
ASTOP#
APAR
RBF#
WBF#
PIPE#
AGP8XDET
ADBIH
ADBIL
SB_STB
SB_STB#
AD_STB0
AD_STB0#
AD_STB1
AD_STB1#
AGPCLK
AGPRCOMP
A1XAVDD
A1XAVSS
A4XAVDD
A4XAVSS
AGPVREF
AGPVSSREF
HDSTBN#3
HDSTBN#2
HDSTBN#1
HDSTBN#0
HDSTBP#3
HDSTBP#2
HDSTBP#1
HDSTBP#0
[4] HDSTBP-[0..3]
[4] HDSTBN-[0..3]
[4] DBI-[0..3]
[3] HD-[0..63]
[4] HASTB-[0..1]
[3] HA-[3..31]
[3] HREQ-[0..4]
[3] RS-[0..2]
[14] CPUCLK1
[14] CPUCLK-1
[4] HLOCK-
[4] DEFER-
[4] HTRDY-
[4] CPURST-
[4] CPUPWRGD
[4] BPRI-
[4] BREQ0-
[4] ADS-
[4] HITM-
[4] HIT-
[4] DRDY-
[4] DBSY-
[4] BNR-
AAD[0..31]
SBA[0..7]
ACBE-[0..3]
ST[0..2]
ADSTB[0..1]
ADSTB-[0..1]
AAD[0..31] [15]
SBA[0..7] [15]
ACBE-[0..3] [15]
ST[0..2] [15]
ADSTB[0..1] [15]
ADSTB-[0..1] [15]
AREQ- [15]
AGNT- [15]
AFRAME- [15]
AIRDY- [15]
ATRDY- [15]
ADEVSEL- [15]
ASERR- [15]
ASTOP- [15]
APAR [15]
RBF- [15]
WBF- [15]
PIPE- [15]
ADBIH [15]
ADBIL [15]
SBSTB [15]
SBSTB- [15]
AGPCLK0 [14]
VREF_4X_IN [15]
*TP TP12
VCCP
R428 20/F-0402 HNCOMP
Rds-on(n) = 10 ohm
HNCVERF = 1/3 VCCP
R112 110/F-0402 HPCOMP
Rds-on(p) = 56 ohm
HPCVERF = 2/3 VCCP
R426 75/F-0402
C530 .01U-0402
R427 150/F-0402
C531 .01U-0402
C532 .1U-0402
HVREF
place this capacitor under 650 solder side
R123 150/F-0402
C190 .01U-0402
R124 75/F-0402
C191 .01U-0402
HNCVREF
C1XAVDD
L49 HI0805R800R-00
C524 .01U-0402
C525 .1U-0402
C183 10U/10V-0805
JP16 *SHORT
C4XAVDD
L48 HI0805R800R-00
C520 .01U-0402
C521 .1U-0402
C172 10U/10V-0805
JP15 *SHORT
VDDQ
AGPRCOMP
R446 60.4/F-0402
3V
A1XAVDD
L19 HI0805R800R-00
C583 .01U-0402
C582 .1U-0402
C229 10U/10V-0805
JP20 *SHORT
A1XAVSS
A4XAVDD
L21 HI0805R800R-00
C590 .01U-0402
C591 .1U-0402
C234 10U/10V-0805
JP21 *SHORT
A4XAVSS
PROJECT : DT1
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NB1-HOST/AGP
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/RMD[0..63] /RMD[0..63] [17,18]
/RDQM[0..7] /RDQM[0..7] [17,18]
/RDQS[0..7] /RDQS[0..7] [17,18]
/RMA[0..14] /RMA[0..14] [17,18]
/RCS-[0..5] /RCS-[0..5] [17,18]
CKE[0..3] CKE[0..3] [17]

Rs place close to DIMM1

/RMD1	RN8	1	2	MD1
/RMD5		3	4	MD5
/RMD4		5	6	MD4
/RMD0	10X4	7	8	MD0
/RMD6	RN10	1	2	MD6
/RMD2		3	4	MD2
/RDQM0		5	6	DQM0
/RDQS0	10X4	7	8	DQS0
/RMD12	RN12	1	2	MD12
/RMD8		3	4	MD8
/RMD3		5	6	MD3
/RMD7	10X4	7	8	MD7
/RMD11	RN15	1	2	MD11
/RMD10		3	4	MD10
/RMD15		5	6	MD15
/RMD14	10X4	7	8	MD14
/RDQM1	RN13	1	2	DQM1
/RDQS1		3	4	DQS1
/RMD13		5	6	MD13
/RMD9	10X4	7	8	MD9
/RMD21	RN17	1	2	MD21
/RMD17		3	4	MD17
/RMD16		5	6	MD16
/RMD20	10X4	7	8	MD20
/RMD22	RN20	1	2	MD22
/RMD18		3	4	MD18
/RDQM2		5	6	DQM2
/RDQS2	10X4	7	8	DQS2
/RMD28	RN21	1	2	MD28
/RMD24		3	4	MD24
/RMD23		5	6	MD23
/RMD19	10X4	7	8	MD19
/RMD31	RN26	1	2	MD31
/RMD27		3	4	MD27
/RMD30		5	6	MD30
/RMD26	10X4	7	8	MD26
/RDQM3	RN25	1	2	DQM3
/RDQS3		3	4	DQS3
/RMD25		5	6	MD25
/RMD29	10X4	7	8	MD29
/RMD37	RN32	1	2	MD37
/RMD33		3	4	MD33
/RMD36		5	6	MD36
/RMD32	10X4	7	8	MD32
/RMD38		1	2	MD38
/RMD34	RN33	3	4	MD34
/RDQM4	10X4	5	6	DQM4
/RDQS4		7	8	DQS4
/RMD40		1	2	MD40
/RMD44	RN35	3	4	MD44
/RMD35	10X4	5	6	MD35
/RMD39		7	8	MD39
/RDQS5		1	2	DQS5
/RDQM5	RN39	3	4	DQM5
/RMD41	10X4	5	6	MD41
/RMD45		7	8	MD45
/RMD47		1	2	MD47
/RMD43	RN46	3	4	MD43
/RMD46	10X4	5	6	MD46
/RMD42		7	8	MD42
/RMD50		1	2	MD50
/RMD54	RN49	3	4	MD54
/RDQS6	10X4	5	6	DQS6
/RDQM6		7	8	DQM6
/RMD53		1	2	MD53
/RMD49	RN48	3	4	MD49
/RMD52	10X4	5	6	MD52
/RMD48		7	8	MD48
/RMD61		1	2	MD61
/RMD60	RN53	3	4	MD60
/RMD51	10X4	5	6	MD51
/RMD55		7	8	MD55
/RDQS7		1	2	DQS7
/RDQM7	RN56	3	4	DQM7
/RMD57	10X4	5	6	MD57
/RMD56		7	8	MD56
/RMD63		1	2	MD63
/RMD59	RN59	3	4	MD59
/RMD58	10X4	5	6	MD58
/RMD62		7	8	MD62

U6B

MD0	AJ23	MD0
MD1	AG22	MD1
MD2	AH21	MD2
MD3	AJ21	MD3
MD4	AD23	MD4
MD5	AE23	MD5
MD6	AE22	MD6
MD7	AF21	MD7
DQM0	AD22	DQM0
DQS0	AH22	DQS0/CSB#0
MD8	AD21	MD8
MD9	AG20	MD9
MD10	AE19	MD10
MD11	AF19	MD11
MD12	AE21	MD12
MD13	AD20	MD13
MD14	AD19	MD14
MD15	AH19	MD15
DQM1	AF20	DQM1
DQS1	AH20	DQS1/CSB#1
MD16	AF18	MD16
MD17	AG18	MD17
MD18	AH17	MD18
MD19	AD16	MD19
MD20	AD18	MD20
MD21	AD17	MD21
MD22	AF17	MD22
MD23	AJ17	MD23
DQM2	AE17	DQM2
DQS2	AH18	DQS2/CSB#2
MD24	AD14	MD24
MD25	AG14	MD25
MD26	AJ13	MD26
MD27	AE13	MD27
MD28	AJ15	MD28
MD29	AF14	MD29
MD30	AD13	MD30
MD31	AF13	MD31
DQM3	AH13	DQM3
DQS3	AH14	DQS3/CSB#3
MD32	AD10	MD32
MD33	AH10	MD33
MD34	AE9	MD34
MD35	AD8	MD35
MD36	AG10	MD36
MD37	AE10	MD37
MD38	AH9	MD38
MD39	AF9	MD39
DQM4	AD9	DQM4
DQS4	AJ9	DQS4/CSB#4
MD40	AH5	MD40
MD41	AG4	MD41
MD42	AE5	MD42
MD43	AH3	MD43
MD44	AG6	MD44
MD45	AF6	MD45
MD46	AF5	MD46
MD47	AF4	MD47
DQM5	AH4	DQM5
DQS5	AJ3	DQS5/CSB#5
MD48	AE4	MD48
MD49	AD6	MD49
MD50	AE2	MD50
MD51	AC5	MD51
MD52	AG2	MD52
MD53	AG1	MD53
MD54	AF3	MD54
MD55	AC6	MD55
DQM6	AD4	DQM6
DQS6	AE2	DQS6/CSB#6
MD56	AB6	MD56
MD57	AD3	MD57
MD58	AA6	MD58
MD59	AB3	MD59
MD60	AC4	MD60
MD61	AE1	MD61
MD62	AD2	MD62
MD63	AC1	MD63
DQM7	AB4	DQM7
DQS7	AC2	DQS7/CSB#7

650-2

SIS-650

Rs place close to DIMM1

MA3		1	2	/RMA3
MA2	RN28	3	4	/RMA2
MA1	0X4	5	6	/RMA1
MA0		7	8	/RMA0
MA8		1	2	/RMA8
MA5	RN23	3	4	/RMA5
MA6	0X4	5	6	/RMA6
MA4		7	8	/RMA4
MA14		1	2	/RMA14
MA13	RN19	3	4	/RMA13
MA9	0X4	5	6	/RMA9
MA7		7	8	/RMA7
MA10		1	2	/RMA10
MA12	RN30	3	4	/RMA12
MA11	0X4	5	6	/RMA11
		7	8	

MA0 AH11 MA0
MA1 AF12 MA1
MA2 AH12 MA2
MA3 AG12 MA3
MA4 AD12 MA4
MA5 AH15 MA5
MA6 AF15 MA6
MA7 AH16 MA7
MA8 AF15 MA8
MA9 AD15 MA9
MA10 AF11 MA10
MA11 AG8 MA11
MA12 AJ11 MA12
MA13 AG16 MA13
MA14 AF16 MA14

SRAS# AH8 SRAS- R162 0 /RSRAS- /RSRAS- [17,18]
SCAS# AJ7 SCAS- R173 0 /RSCAS- /RSCAS- [17,18]
SWE# AH7 SWE- R150 0 /RSWE- /RSWE- [17,18]

CS#0 AE7 CS-0 R167 0 /RCS-0
CS#1 AF7 CS-1 R177 0 /RCS-1
CS#2 AH6 CS-2 R168 0 /RCS-2
CS#3 AJ5 CS-3 R172 0 /RCS-3
CS#4 AF8 CS-4 R176 0 /RCS-4
CS#5 AD7 CS-5 R163 0 /RCS-5

CKE0 AB2 CKE0
CKE1 AA4 CKE1
CKE2 AB1 CKE2
CKE3 Y6 CKE3
CKE4 AA5 CKE4
CKE5 Y5 CKE5
S3AUXSW# Y4 S3AUXSW# R443 0 S3AUXSW- S3AUXSW- [19,28]
*TP TP44
*TP TP45

SDCLK AA3 SDCLK SDCLK [14]
FWDSDCLKO AD11 FWDSDCLK-O R432 22-0402 FWDSDCLKO FWDSDCLKO [14]
SDRCLKI AE11 C579 10P-0402

SDAVDD Y1 SDAVDD
SDAVSS Y2 SDAVSS
DDRAVDD AA1 DDRAVDD
DDRAVSS AA2 DDRAVSS
DDRVREFA AJ19 DDRVREFA
DDRVREFB AH2 DDRVREFB
DRAM_SEL W3 DRAM-SEL R440 4.7K-0402 +3VSUS

VCC2.5_MEM
C606 .01U-0402
R441 150/F-0402
C607 .01U-0402
R442 150/F-0402

VCC2.5_MEM
CKE5 2 1
CKE4 4 3 RN94
CKE2 6 5 470X4
CKE3 8 7
CKE1 R61 470-0402
CKE0 R63 470-0402

VCC2.5_MEM
C548 .01U-0402
R430 150/F-0402
DDRVREFA
C547 .01U-0402
R429 150/F-0402

3V
L25 HI0805R800R-00
SDAVDD
C612 .01U-0402
C618 .1U-0402
SDAVSS
C287 10U/10V-0805
JP25 *SHORT

3V
L26 HI0805R800R-00
DDRAVDD
C619 .01U-0402
C613 .1U-0402
DDRAVSS
C288 10U/10V-0805
JP26 *SHORT

PROJECT : DT1
Quanta Computer Inc.

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Custom	NB1-MEMORY FOR DDR	E
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NOTE: This page is for universal PCB design(suitable for both 645 or 650)

NB Hardware Trap Table

	0	1	Default	
DLLEN#	enable PLL	disable PLL	0	embedded pull-low (30~50K Ohm)
DRAM_SEL	SDR	DDR	1(DDR)	yes
TRAP0	normal	NB_debug mode	0	yes
TRAP1	TV selection, NTSC/PAL(0/1)		0	yes
CSYNC	enable VB		0	
RSYNC	enable VGA interrupt		1	
LSYNC	enable panel link		0	

[10] ZAD[0..15] ZADI[0..15]
[10] ZSTB[0..1] ZSTB[0..1]
[10] ZSTB-[0..1] ZSTB-[0..1]

U6C

VGA

Stereo Glass

HyperZip

650-3

SIS-650

[14] ZCLK0 — ZCLK V3
[10] ZUREQ — ZUREQ U6
[10] ZDREQ — ZDREQ U1
ZSTB0 T3 / ZSTB-0 T1
ZSTB1 P1 / ZSTB-1 P3
ZAD0 T4, ZAD1 R3, ZAD2 T5, ZAD3 T6, ZAD4 R2, ZAD5 R6, ZAD6 R1, ZAD7 R4, ZAD8 P4, ZAD9 N3, ZAD10 P5, ZAD11 P6, ZAD12 N1, ZAD13 N6, ZAD14 N2, ZAD15 N4
ZVREF U3
VDDZCMP V5, ZCMP_N U4, ZCMP_P U2, VSSZCMP V6
Z1XAVDD W1, Z1XAVSS W2
Z4XAVDD V2, Z4XAVSS V1

VOSCI C15 — REFCLK0 — REFCLK0 [14]

ROUT A12 R-OUT — R438 — BK1608LL680 ROUT — ROUT [16]
GOUT B13 G-OUT — R437 — BK1608LL680 GOUT — GOUT [16]
BOUT A13 B-OUT — R436 — BK1608LL680 BOUT — BOUT [16]
HSYNC F13 H-SYNC — R434 — BK1005LL121 HSYNC — HSYNC [16]
VSYNC E13 V-SYNC — R433 — BK1005LL121 VSYNC — VSYNC [16]
VGPIO0 D13 DDC1-CLK — R435 — BK1005LL121 DDC1CLK — DDC1CLK [16]
VGPIO1 D12 DDC1-DATA — R439 — BK1005LL121 DDC1DATA — DDC1DATA [16]
INT#A B11 — INT-A — INT-A [10,15,20]
CSYNC E12, RSYNC A11, LSYNC F12
VCOMP E14, VRSET D14, VVBWN F14
DACAVDD1 B12, DACAVSS1 C12
DACAVDD2 C13, DACAVSS2 C14
DCLKAVDD B15, DCLKAVSS A15
ECLKAVDD B14, ECLKAVSS A14

PCIRST# Y3, PWROK W4, AUXOK W6
TRAP1 D11, TRAP0 E10
TESTMODE2 A10, TESTMODE1 E11, TESTMODE0 C11
DLLEN# E11, ENTEST E10

[10,15,20,21,22,25,28,29] PCIRST- — PCIRST-
[11,28] PWRGD — PWRGD
[11,24] AUXOK — AUXOK

TRAP1 — TRAP1
TRAP0 — TRAP0
TESTMODE2 — TMODE2
TESTMODE1 — TMODE1
TESTMODE0 — TMODE0
DLLEN# — DLLEN
ENTEST — ENTEST

*TPTP10
*TPTP43
*TPTP11

1.8V — R200 150/F-0402 — C270 .1U-0402 — ZVREF — R199 150/F-0402 — C267 .1U-0402

3V — L24 HI0805R800R-00 — C286 10U/10V-0805 — C617 .1U-0402 — C611 .01U-0402 — JP24 *SHORT — Z1XAVDD — Z1XAVSS

3V — L23 HI0805R800R-00 — C285 10U/10V-0805 — C616 .1U-0402 — C610 .01U-0402 — JP23 *SHORT — Z4XAVDD — Z4XAVSS

1.8V — L22 HI0805R800R-00 — C284 10U/10V-0805 — C609 .1U-0402 — C608 .01U-0402 — JP22 *SHORT
R445 56.2-0402 ZCMP_N — VDDZCMP
R444 56.2-0402 ZCMP_P — VSSZCMP

ROUT C603 *.1U-0402
GOUT C602 *.1U-0402
BOUT C601 *.1U-0402
HSYNC C593 *.1U-0402
VSYNC C592 *.1U-0402

3V
RSYNC — RN42 4.7KX4
CSYNC
LSYNC
DLLEN-
TRAP0 — RN45 4.7KX4
TRAP1
ENTEST
PWRGD C261 .1U-0402
AUXOK C620 .1U-0402

DCLKAVDD — L15 HI0805R800R-00 — 3V — C553 .01U-0402 DCLKAVSS — C554 .1U-0402 — C204 10U/10V-0805 — JP17 *SHORT

ECLKAVDD — L17 HI0805R800R-00 — 3V — C559 .01U-0402 ECLKAVSS — C558 .1U-0402 — C205 10U/10V-0805 — JP18 *SHORT

VVBWN — C572 .1U-0402
VCOMP — C571 .1U-0402
DACAVDD — L18 HI0805R800R-00 — 1.8V — C563 .1U-0402 DACAVSS — C564 1U — C213 10U/10V-0805 — JP19 *SHORT
VRSET — R431 133/F-0402

PROJECT : DT1
Quanta Computer Inc.

Size	Document Number	Rev
Custom	NB1-HyperZip/VGA/Misc.	E

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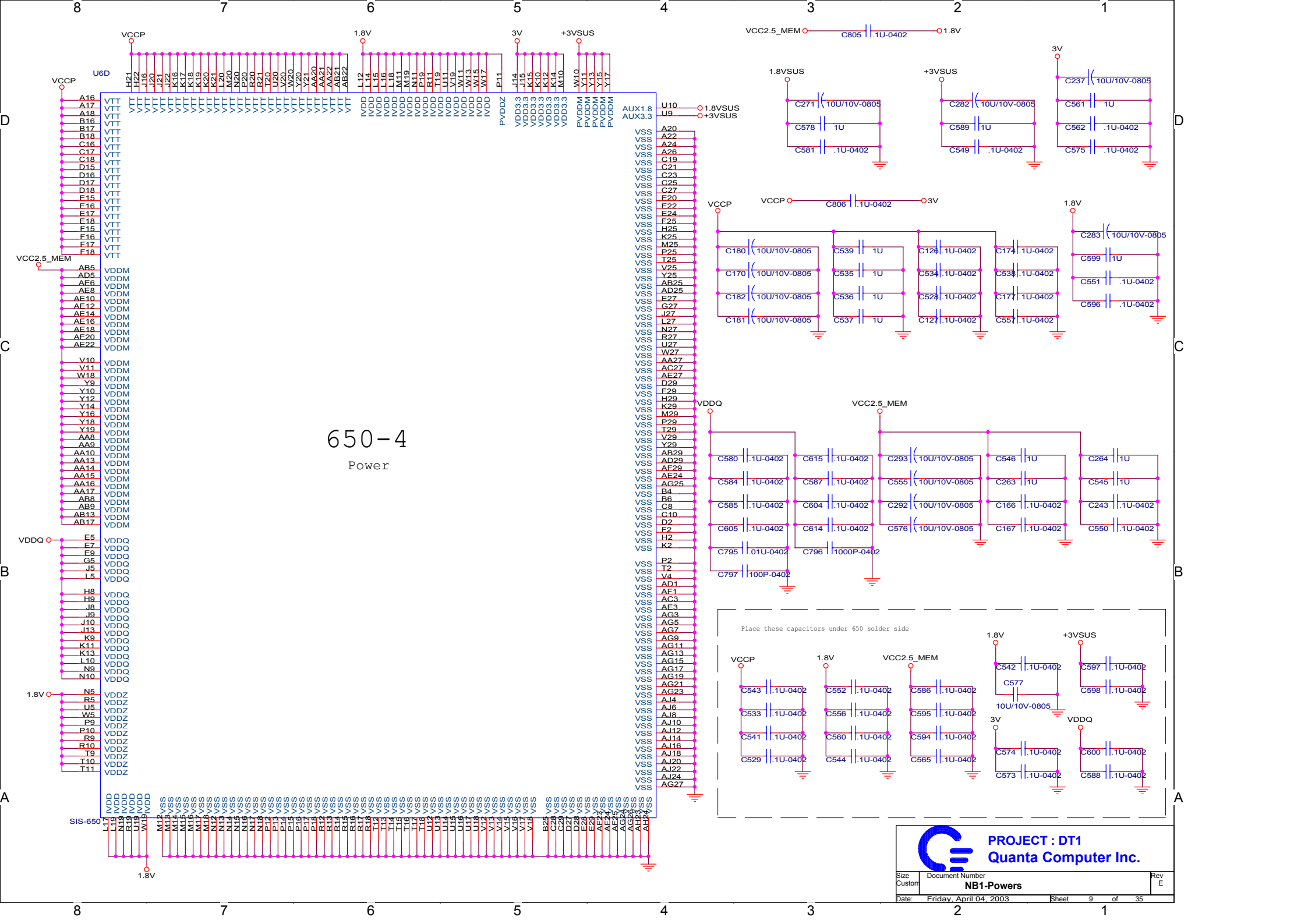
650-4
Power
U6D
SIS-650
VCCP
1.8V
3V
+3VSUS
VCC2.5_MEM
VDDQ
1.8VSUS
AUX1.8
AUX3.3
Place these capacitors under 650 solder side
PROJECT : DT1
Quanta Computer Inc.
Size
Custom
Document Number
NB1-Powers
Rev
E
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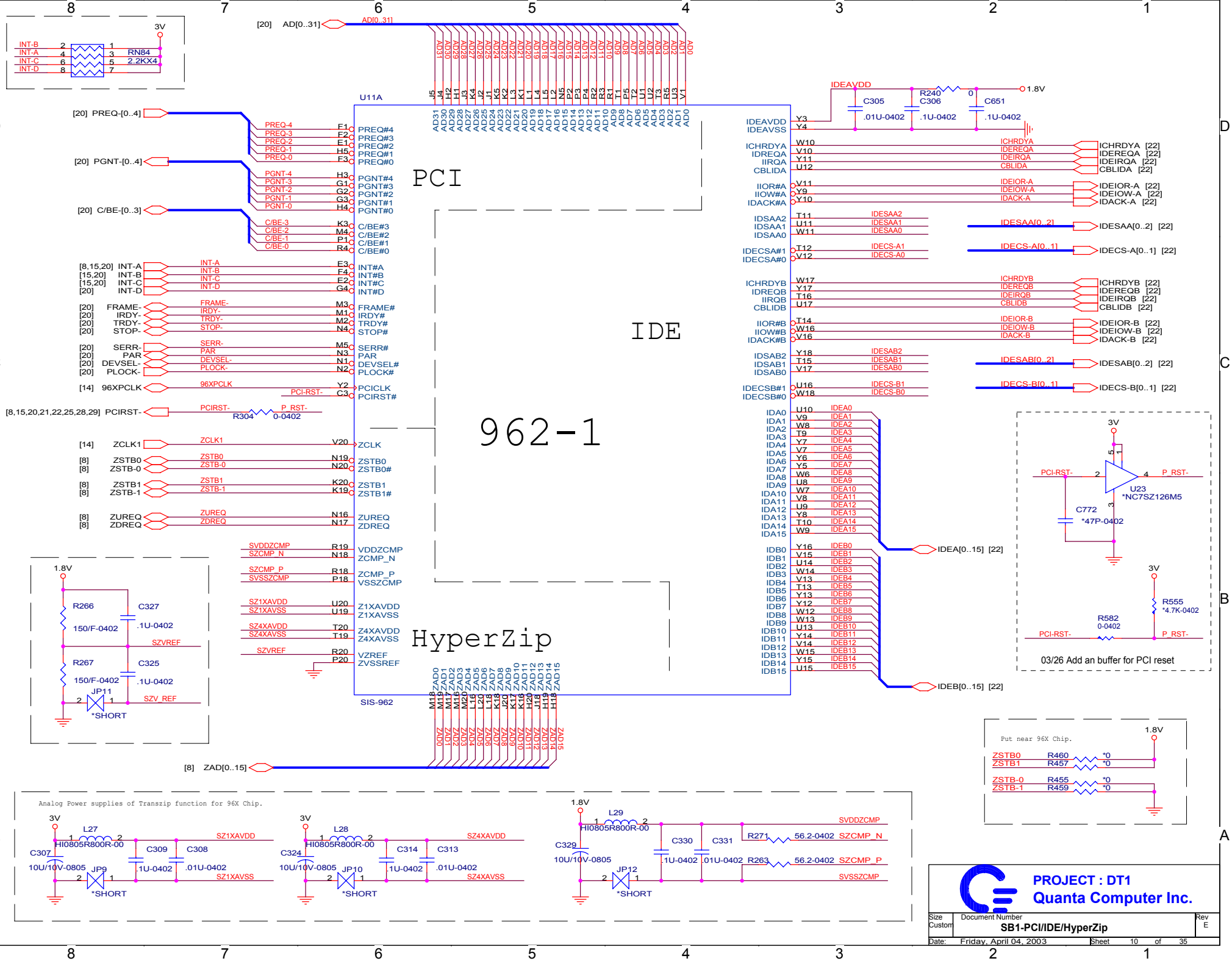
PCI
IDE
962-1
HyperZip
SIS-962
U11A
RN84
2.2KX4
R304
0-0402
P_RST-
PCI-RST-
R266
150/F-0402
C327
.1U-0402
SZVREF
R267
C325
JP11
*SHORT
SZV_REF
IDEAVDD
1.8V
C305
.01U-0402
R240
C306
.1U-0402
C651
.1U-0402
U23
*NC7SZ126M5
C772
*47P-0402
R555
*4.7K-0402
R582
0-0402
03/26 Add an buffer for PCI reset
Put near 96X Chip.
R460
R457
R455
R459
Analog Power supplies of Transzip function for 96X Chip.
L27
HI0805R800R-00
C307
10U/10V-0805
C309
C308
JP9
SZ1XAVDD
SZ1XAVSS
L28
C324
C314
C313
JP10
SZ4XAVDD
SZ4XAVSS
L29
C329
C330
C331
R271
56.2-0402
SZCMP_N
R263
SZCMP_P
JP12
SVDDZCMP
SVSSZCMP
PROJECT : DT1
Quanta Computer Inc.
SB1-PCI/IDE/HyperZip
Friday, April 04, 2003

Programable on-die pull-high strength for CPU_S:
(Infinite, 150, 110, 56 Ohm)

U11B

CPU_S
APIC
LPC
RTC
962-2
GPIO
AC97
ACPI /others
KBC /geyserville
MII
GPIO

SIS-962

02/28 X7 COMPONENT FROM BG332768721 TO BG33768216

02/28 C399 FROM 20P TO 10P, C400 FROM 15P TO 10P

PROJECT :	DT1
Quanta Computer Inc.	
Size: Custom	Document Number: SB2-Misc Signals
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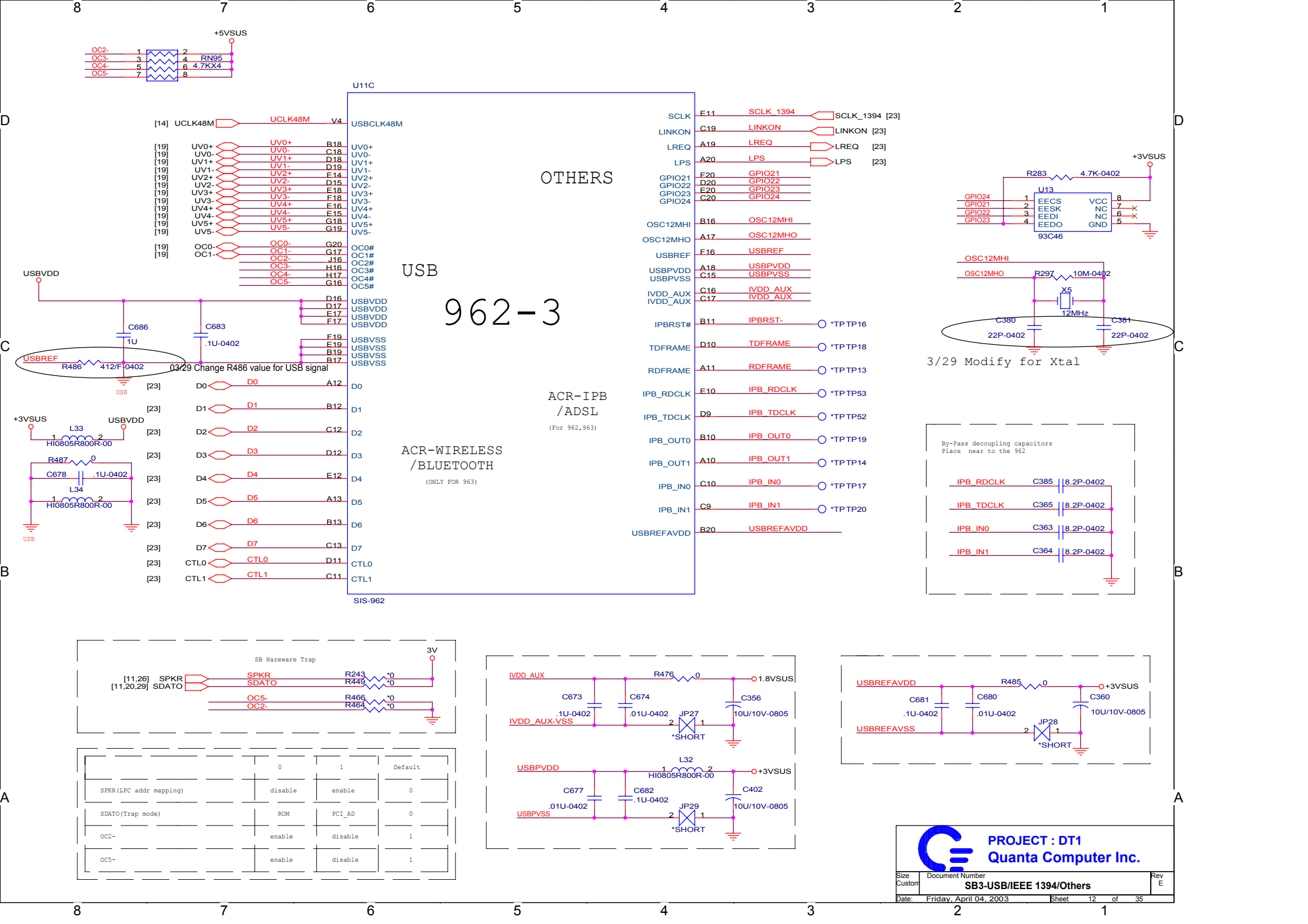
+5VSUS
OC2-
OC3-
OC4-
OC5-
RN95
4.7KX4
U11C
USB
962-3
SIS-962
OTHERS
ACR-IPB
/ADSL
(For 962,963)
ACR-WIRELESS
/BLUETOOTH
(ONLY FOR 963)
[14] UCLK48M
USBCLK48M
UV0+
UV0-
UV1+
UV1-
UV2+
UV2-
UV3+
UV3-
UV4+
UV4-
UV5+
UV5-
OC0#
OC1#
OC2#
OC3#
OC4#
OC5#
USBVDD
USBVSS
USBREF
R486 412/F-0402
03/29 Change R486 value for USB signal
C686 1U
C683 .1U-0402
D0
D1
D2
D3
D4
D5
D6
D7
CTL0
CTL1
SCLK
LINKON
LREQ
LPS
GPIO21
GPIO22
GPIO23
GPIO24
OSC12MHI
OSC12MHO
USBREF
USBPVDD
USBPVSS
IVDD_AUX
IPBRST#
TDFRAME
RDFRAME
IPB_RDCLK
IPB_TDCLK
IPB_OUT0
IPB_OUT1
IPB_IN0
IPB_IN1
USBREFAVDD
SCLK_1394
LINKON
LREQ
LPS
IPBRST-
TDFRAME
RDFRAME
IPB_RDCLK
IPB_TDCLK
IPB_OUT0
IPB_OUT1
IPB_IN0
IPB_IN1
USBREFAVDD
*TP TP16
*TP TP18
*TP TP13
*TP TP53
*TP TP52
*TP TP19
*TP TP14
*TP TP17
*TP TP20
+3VSUS
L33 HI0805R800R-00
R487 0
C678 .1U-0402
L34 HI0805R800R-00
R283 4.7K-0402
U13
93C46
EECS
EESK
EEDI
EEDO
VCC
NC
NC
GND
X5 12MHz
R297 10M-0402
C380 22P-0402
C381 22P-0402
3/29 Modify for Xtal
By-Pass decoupling capacitors
Place near to the 962
C385 8.2P-0402
C365 8.2P-0402
C363 8.2P-0402
C364 8.2P-0402
SB Hareware Trap
3V
[11,26] SPKR
[11,20,29] SDATO
R243 *0
R449 *0
R466 *0
R464 *0
SPKR(LPC addr mapping)
SDATO(Trap mode)
ROM
PCI_AD
disable
enable
IVDD_AUX
IVDD_AUX-VSS
R476 0
1.8VSUS
C673 .1U-0402
C674 .01U-0402
JP27 *SHORT
C356 10U/10V-0805
USBPVDD
USBPVSS
L32 HI0805R800R-00
C677 .01U-0402
C682 .1U-0402
JP29 *SHORT
C402 10U/10V-0805
USBREFAVDD
USBREFAVSS
R485 0
C681 .1U-0402
C680 .01U-0402
JP28 *SHORT
C360 10U/10V-0805
PROJECT : DT1
Quanta Computer Inc.
Size Custom
Document Number
SB3-USB/IEEE 1394/Others
Rev E
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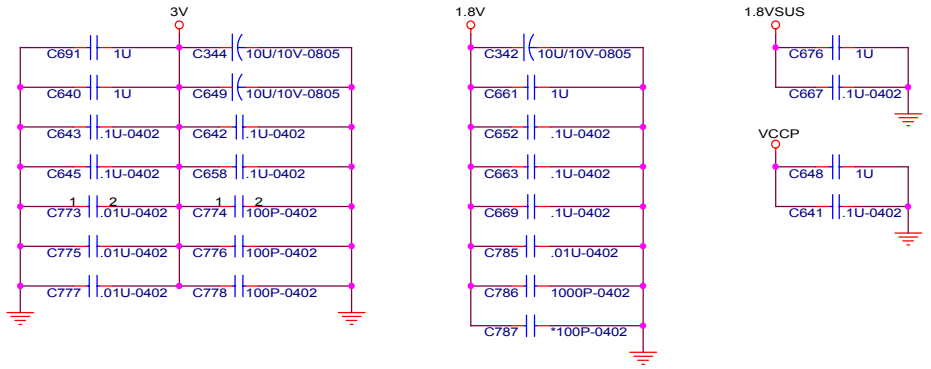

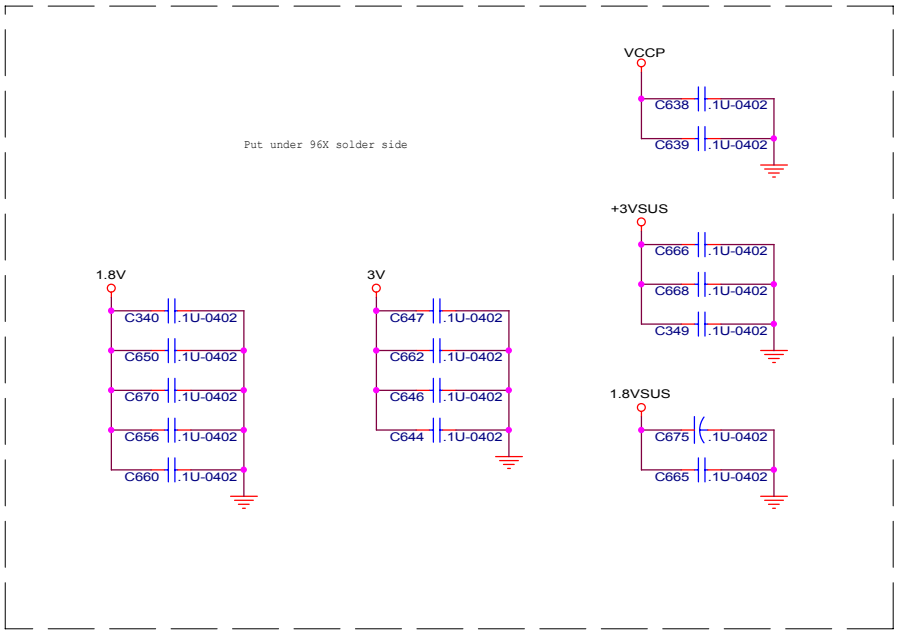

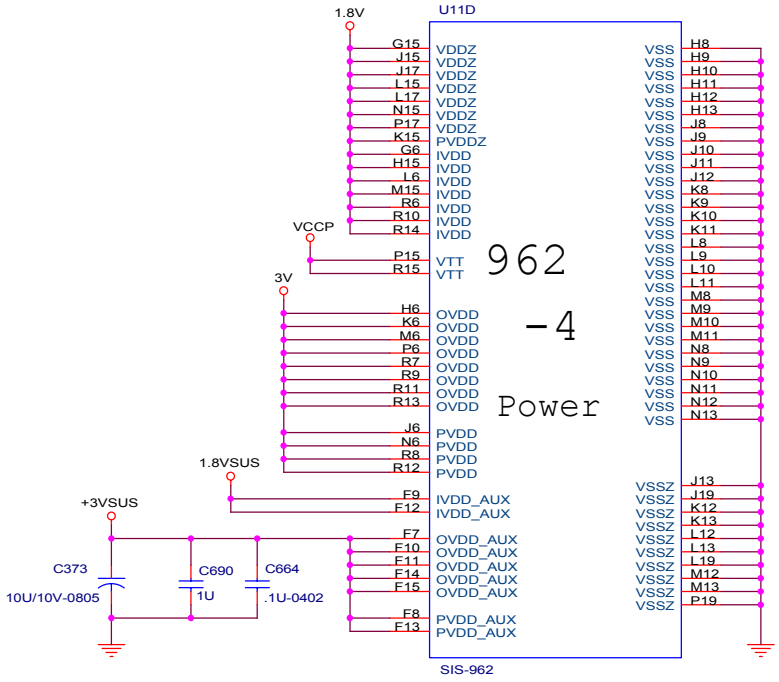

PROJECT : DT1
Quanta Computer Inc.

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MAIN CLOCK GENERATOR

U7

ICS952001

VDDREF VDDZ VDDPC1-1 VDDPC1-2 VDDA48 VDDAGP VDDCPU VDDSD

PCI_STOP#

GNDREF GNDZ GNDPCI-1 GNDPCI-2 GND48 GNDAGP GNDCPU GNDSD

CPU_STOP#

PD#/VTT_PWRGD

IREF

VDDA

GNDA

CPUCLKT-0 CPUCLKC-0 CPUCLKT-1 CPUCLKC-1 SDRAMCLK AGPCLK0 AGPCLK1 ZCLK0 ZCLK1 PCICLK_F0/FS3 PCICLK_F1/FS4 PCICLK0 PCICLK1 PCICLK2 PCICLK3 PCICLK4 PCICLK5 REF0/FS0 REF1/FS1 REF2/FS2 48MHz 24_48MHz/MULTISEL SCLK SDATA

Damping Resistors
Place near to the
Clock Outputs

CPUCLK0 [4] CPUCLK-0 [4] CPUCLK1 [6] CPUCLK-1 [6] SDCLK [7] AGPCLK0 [6] AGPCLK1 [15] ZCLK0 [8] ZCLK1 [10] 96XPCLK [10] SIOPCLK [25] PCICLK1 [20] PCLK_PCM [20] PCICLK-BIOS [25] PCICLK-DJ [29] PCICLK-EC [28] REFCLK0 [8] REFCLK1 [11] SIO14.318M [25] ALC650_XI [26] UCLK48M [12] SMBCLK [11,17,25] SMBDAT [11,17,25]

By-Pass Capacitors
Place near to the Clock Outputs

CPUCLK0 C569 *100P-0402
CPUCLK-0 C570 *100P-0402
CPUCLK1 C567 *100P-0402
CPUCLK-1 C568 *100P-0402
SDCLK C212 10P-0402
AGPCLK0 C207 10P-0402
AGPCLK1 C208 10P-0402
ZCLK0 C624 10P-0402
ZCLK1 C625 10P-0402
96XPCLK C626 10P-0402
SIOPCLK C627 10P-0402
PCICLK1 C628 10P-0402
PCICLK2 C629 10P-0402
PCICLK3 C630 10P-0402
PCICLK4 C631 10P-0402
PCICLK5 C254 10P-0402
PCICLK6 C255 10P-0402
REFCLK0 C621 10P-0402
REFCLK1 C622 10P-0402
SIO14.318M C623 10P-0402
UCLK48M C210 10P-0402
MULTI-SEL C211 10P-0402

SIS650 CLOCK

FS4	FS3	BSEL0	FS1	FS0	CPU (MHz)	SDRAM (MHz)	ZCLK (MHz)	AGPCLK (MHz)
0	0	0	0	0	66.67	66.67	66.67	66.67
0	0	0	0	1	100.00	100.00	66.67	66.67
0	0	0	1	0	100.00	200.00	66.67	66.67
0	0	0	1	1	100.00	133.33	66.67	66.67
0	0	1	0	0	133.33	150.00	60.00	60.00
0	0	1	0	1	133.33	125.00	62.50	62.50
0	0	1	1	0	133.33	160.00	66.67	66.67
0	0	1	1	1	133.33	133.33	80.00	66.67
0	1	0	0	0	100.00	200.00	66.67	66.67
0	1	0	0	1	100.00	166.67	62.50	62.50
0	1	0	1	0	100.00	166.67	71.43	83.33
0	1	0	1	1	80.00	133.33	66.67	66.67
0	1	1	0	0	80.00	133.33	66.67	66.67
0	1	1	0	1	95.00	95.00	63.33	63.33
0	1	1	1	0	95.00	126.67	63.33	63.33
0	1	1	1	1	66.67	66.67	50.00	50.00

SIS650 CLOCK

FS4	FS3	BSEL0	FS1	FS0	CPU (MHz)	SDRAM (MHz)	ZCLK (MHz)	AGPCLK (MHz)
1	0	0	0	0	105.00	140.00	70.00	70.00
1	**0**	**0**	**0**	**1**	**100.90**	**100.90**	**67.27**	**67.27**
1	0	0	1	0	108.00	144.00	72.00	72.00
1	0	0	1	1	100.90	134.53	67.27	67.27
1	0	1	0	0	112.00	149.33	74.67	74.67
1	**0**	**1**	**0**	**1**	**133.33**	**100.00**	**66.67**	**66.67**
1	0	1	1	0	133.33	133.33	66.67	66.67
1	0	1	1	1	133.33	166.67	66.67	66.67
1	1	0	0	0	100.00	133.00	80.00	66.67
1	1	0	0	1	100.00	100.00	80.00	66.67
1	1	0	1	0	100.00	166.67	83.33	62.50
1	1	0	1	1	133.33	160.00	80.00	66.67
1	1	1	0	0	100.00	133.00	100.00	66.67
1	1	1	0	1	100.00	100.00	100.00	66.67
1	1	1	1	0	100.00	166.67	100.00	62.50
1	1	1	1	1	133.33	160.00	100.00	66.67

Frequency Selection

R174 *8.2K-0402	FS0	R175	2.7K-0402	
R169 *8.2K-0402	FS1	R170	2.7K-0402	
R164 8.2K-0402	FS2	R165	*2.7K-0402	
R158 8.2K-0402	FS3	R159	*2.7K-0402	
R155 8.2K-0402	FS4	R156	*2.7K-0402	

Default: FS4 0, FS3 0, FS2 0, FS1 1, FS0 1

3/29 Modify open for Xtal

CLOCK BUFFER

U4

CLOCK BUFFER-ICS97322

DDRCLK[0..5] [17]

CBVDD VDD-1 VDD-2 VDD-3 VDDA GND-1 GND-2 GND-3 GND-4 CLK_INT SCLK SDATA FB_OUTT FB_INT NC-1 NC-2 NC-3

CLKC0 CLKC1 CLKC2 CLKC3 CLKC4 CLKC5 CLKT0 CLKT1 CLKT2 CLKT3 CLKT4 CLKT5 FB_OUT FB_IN

DDR-CLK1 DDR-CLK4 DDR-CLK3 DDR-CLK0 DDR-CLK2 DDR-CLK5 DDR-CLK-1 DDR-CLK-4 DDR-CLK-3 DDR-CLK-0 DDR-CLK-2 DDR-CLK-5

R58 R55 R59 R76 R79 R81 R57 R56 R60 R77 R78 R80 R74 22-0402

DDRCLK1 DDRCLK4 DDRCLK3 DDRCLK0 DDRCLK2 DDRCLK5 DDRCLK-1 DDRCLK-4 DDRCLK-3 DDRCLK-0 DDRCLK-2 DDRCLK-5

C141 10P-0402

03/29 R577 FOR DDR TIMING

FB_OUT R577 0-0402 FB_IN

VCC2.5_MEM

L10 HI0805R800-00 VDDA

C702 .01U-0402 C703 1000P-0402 C704 100P-0402 C105 10U/10V-0805 C116 .1U-0402 C119 .01U-0402

GND

[7] FWDSDCLKO FWDSDCLKO

SMBCLK R54 0 SMB-CLK SMBDAT R84 0 SMB-DAT

By-Pass Capacitors
Place near to the Clock Buffer

DDRCLK0 C113 10P-0403
DDRCLK1 C110 10P-0402
DDRCLK2 C114 10P-0404
DDRCLK3 C142 10P-0406
DDRCLK4 C146 10P-0409
DDRCLK5 C148 10P-0411
DDRCLK-0 C112 10P-0402
DDRCLK-1 C111 10P-0402
DDRCLK-2 C115 10P-0405
DDRCLK-3 C143 10P-0407
DDRCLK-4 C145 10P-0408
DDRCLK-5 C147 10P-0410
FB_OUT C140 *10P-0402

VCC2.5_MEM

L12 HI0805R800-00 CBVDD

C104 10U/10V-0805 C121 .1U-0402 C109 .01U-0402

C135 10U/10V-0805 C117 .01U-0402 C138 .1U-0402 C137 .1U-0402 C118 .1U-0402 C120 .1U-0402

PROJECT : DT1
Quanta Computer Inc.

Size	Document Number	Rev
Custom	MAIN CLOCK GENERATOR & BUFFER	E
Date: Friday, April 04, 2003	Sheet 14 of 35	

AGP 4X OUT INTERFACE

AGP_PLUG:
HI: USE AGP GRAPHIC
LO: USE ATI GRAPHIC

AGP PULL UPS

EMI Issue

02/26 +5VSUS CHANGE TO 5V

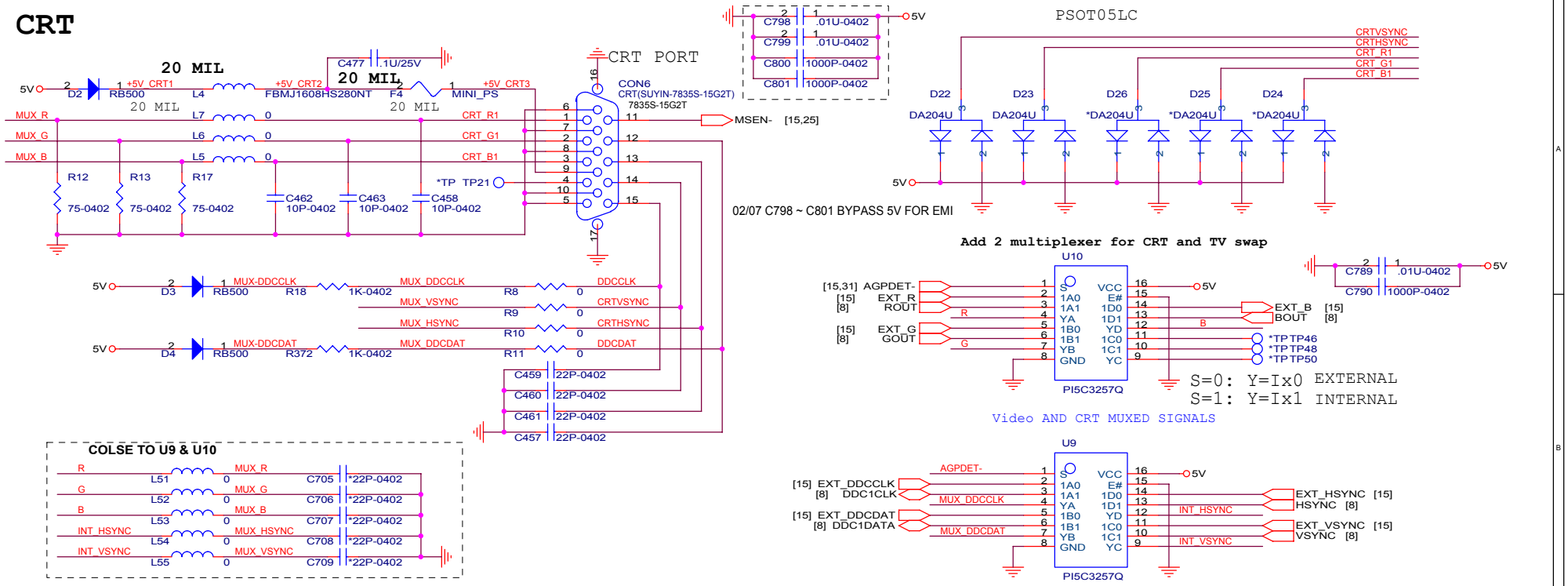
PLACE CLOSE TO CONNECTOR

AGP(QT81120A-2111)

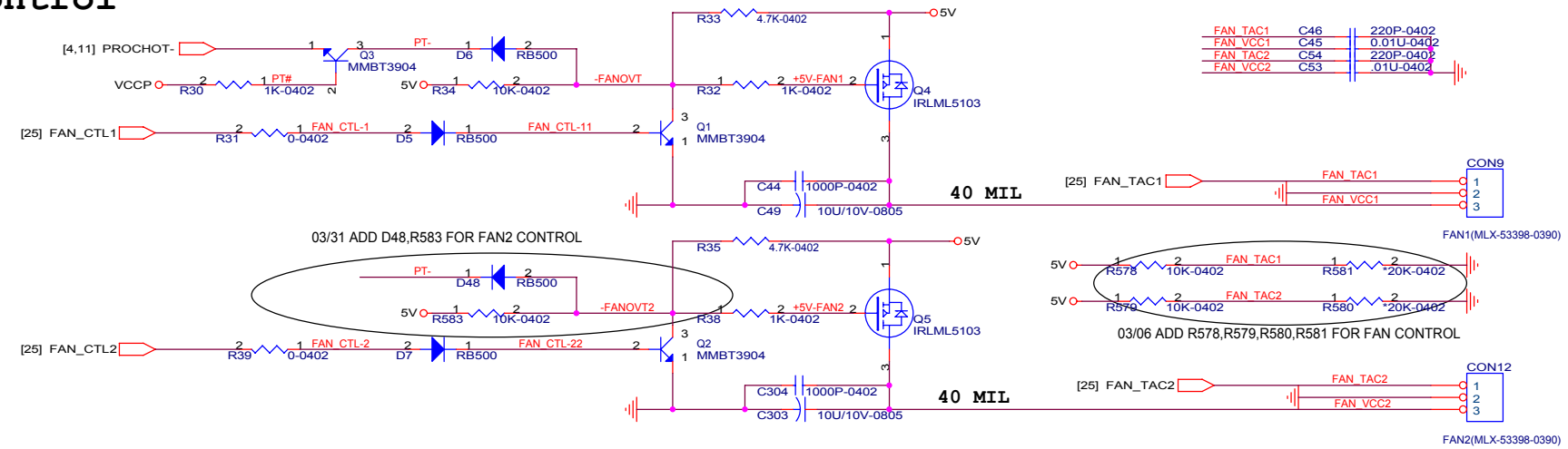
PROJECT : DT1
Quanta Computer Inc.

Size	Document Number	Rev
Custom	AGP SLOT	E
Date: Friday, April 04, 2003	Sheet 15 of 35	

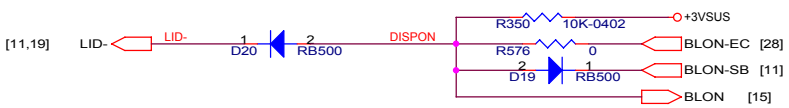
CRT



FAN Control



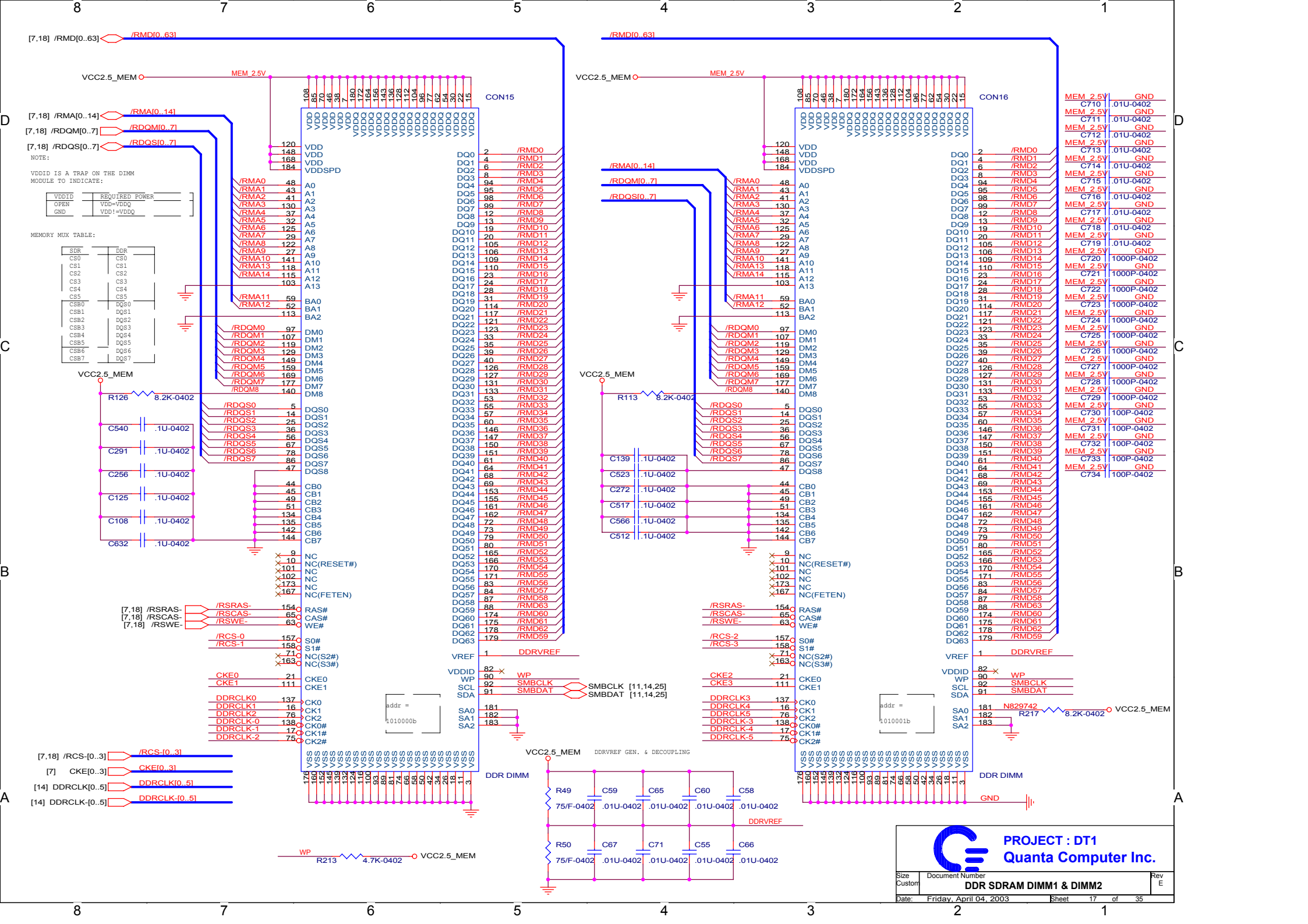
LCD-LID



LID SWITCH SIGNAL

PROJECT : DT1
Quanta Computer Inc.

Size	Document Number	Rev
Custom	CRT,LCD LID,BLON & FAN CONTROL	E
Date: Friday, April 04, 2003	Sheet 16 of 35	


[7,18] /RMD[0..63]
/RMD[0..63]
VCC2.5_MEM
MEM_2.5V
CON15
CON16
[7,18] /RMA[0..14]
/RMA[0..14]
[7,18] /RDQM[0..7]
/RDQM[0..7]
[7,18] /RDQS[0..7]
/RDQS[0..7]
NOTE:
VDDID IS A TRAP ON THE DIMM MODULE TO INDICATE:
VDDID | REQUIRED POWER
OPEN | VDD=VDDQ
GND | VDD!=VDDQ
MEMORY MUX TABLE:
SDR | DDR
CS0 | CS0
CS1 | CS1
CS2 | CS2
CS3 | CS3
CS4 | CS4
CS5 | CS5
CSB0 | DQS0
CSB1 | DQS1
CSB2 | DQS2
CSB3 | DQS3
CSB4 | DQS4
CSB5 | DQS5
CSB6 | DQS6
CSB7 | DQS7
R126 8.2K-0402
R113 8.2K-0402
C540 .1U-0402
C291 .1U-0402
C256 .1U-0402
C125 .1U-0402
C108 .1U-0402
C632 .1U-0402
C139 .1U-0402
C523 .1U-0402
C272 .1U-0402
C517 .1U-0402
C566 .1U-0402
C512 .1U-0402
[7,18] /RSRAS-
[7,18] /RSCAS-
[7,18] /RSWE-
/RCS-0
/RCS-1
/RCS-2
/RCS-3
CKE0
CKE1
CKE2
CKE3
DDRCLK0
DDRCLK1
DDRCLK2
DDRCLK-0
DDRCLK-1
DDRCLK-2
DDRCLK3
DDRCLK4
DDRCLK5
DDRCLK-3
DDRCLK-4
DDRCLK-5
addr = 1010000b
addr = 1010001b
DDRVREF
SMBCLK
SMBDAT
SMBCLK [11,14,25]
SMBDAT [11,14,25]
WP
R213 4.7K-0402
VCC2.5_MEM
DDR DIMM
DDRVREF GEN. & DECOUPLING
R49 75/F-0402
R50 75/F-0402
C59 .01U-0402
C65 .01U-0402
C60 .01U-0402
C58 .01U-0402
C67 .01U-0402
C71 .01U-0402
C55 .01U-0402
C66 .01U-0402
[7,18] /RCS-[0..3]
[7] CKE[0..3]
[14] DDRCLK[0..5]
[14] DDRCLK-[0..5]
GND
N829742
R217 8.2K-0402
C710 .01U-0402
C711 .01U-0402
C712 .01U-0402
C713 .01U-0402
C714 .01U-0402
C715 .01U-0402
C716 .01U-0402
C717 .01U-0402
C718 .01U-0402
C719 .01U-0402
C720 1000P-0402
C721 1000P-0402
C722 1000P-0402
C723 1000P-0402
C724 1000P-0402
C725 1000P-0402
C726 1000P-0402
C727 1000P-0402
C728 1000P-0402
C729 1000P-0402
C730 100P-0402
C731 100P-0402
C732 100P-0402
C733 100P-0402
C734 100P-0402
PROJECT : DT1
Quanta Computer Inc.
Size Custom
Document Number
DDR SDRAM DIMM1 & DIMM2
Rev E
Date: Friday, April 04, 2003
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SSTL-2 Termination Resistors

	SDR	Rs	DDR	Rs	Rtt
MD/DQM(/DQS)	LV-CMOS	0/10/-	SSTL-2	10	33
MA/Control	LV-CMOS	10	SSTL-2	0	33
CS	LV-CMOS	0	SSTL-2	0	47
CKE	OD 3.3V		OD 2.5V		

/RMD[0..63] /RMD[0..63] [7,17]
/RDQM[0..7] /RDQM[0..7] [7,17]
/RDQS[0..7] /RDQS[0..7] [7,17]
/RMA[0..14] /RMA[0..14] [7,17]
/RCS-[0..5] /RCS-[0..5] [7,17]

01/07 MEMORY TERMINATIO PIN SWAP

DDR_VTT

RN6 33X4: /RMD0 /RMD4 /RMD5 /RMD1
RN7 33X4: /RDQS0 /RDQM0 /RMD2 /RMD6
RN9 33X4: /RMD7 /RMD3 /RMD8 /RMD9
RN11 33X4: /RMD12 /RMD13 /RDQS1 /RDQM1
RN14 33X4: /RMD14 /RMD10 /RMD15 /RMD11
RN18 33X4: /RDQS2 /RDQM2 /RMD18 /RMD22
RN16 33X4: /RMD20 /RMD16 /RMD17 /RMD21
RN22 33X4: /RMD19 /RMD23 /RMD24 /RMD28
RN27 33X4: /RMD30 /RMD26 /RMD27 /RMD31
RN24 33X4: /RMD25 /RMD29 /RDQS3 /RDQM3

RN29 33X4: /RMD32 /RMD36 /RMD33 /RMD37
RN31 33X4: /RDQS4 /RDQM4 /RMD34 /RMD38
RN34 33X4: /RMD39 /RMD35 /RMD44 /RMD40
RN47 33X4: /RMD43 /RMD47 /RMD52 /RMD53
RN51 33X4: /RMD48 /RMD49 /RDQM6 /RDQS6
RN55 33X4: /RMD54 /RMD55 /RMD51 /RMD50
RN62 33X4: /RDQM7 /RDQS7 /RMD62 /RMD59
RN58 33X4: /RMD60 /RMD56 /RMD61 /RMD57
RN65 33X4: /RMD58 /RMD63

DDR_VTT

R122 R108 R105 R90 33-0402: /RMA0 /RMA1 /RMA2 /RMA3
R93 R82 R83 R73 33-0402: /RMA4 /RMA5 /RMA6 /RMA7
R75 R72 R125 R132 33-0402: /RMA8 /RMA9 /RMA10 /RMA11
R127 R71 R62 33-0402: /RMA12 /RMA13 /RMA14
R148 33-0402: [7,17] /RSRAS- /RSRAS-
R160 33-0402: [7,17] /RSCAS- /RSCAS-
R157 33-0402: [7,17] /RSWE- /RSWE-

DDR_VTT

RN44 33X4: /RDQM5 /RDQS5 /RMD42 /RMD46
RN37 33X4: /RMD45 /RMD41 /RCS-1 /RCS-0
RN41 47X4: /RCS-2 /RCS-3 /RCS-4 /RCS-5

DECOUPLING CAPACITOR FOR SSTL-2 END TERMIANTION VTT ISLAND
0603 Package placed within 200mils of VTT Termination R-packs

DDR_VTT
C101 .1U-0402 C107 .1U-0402 C152 .1U-0402 C165 .1U-0402
C274 .1U-0402 C295 .1U-0402 C214 .1U-0402 C192 .1U-0402
C201 .1U-0402 C235 .1U-0402 C238 .1U-0402 C257 .1U-0402
C290 .1U-0402 C82 .1U-0402 C90 .1U-0402 C100 .1U-0402

DDR_VTT
C122 .1U-0402 C136 .1U-0402 C159 .1U-0402 C184 .1U-0402
C77 .1U-0402 C294 .1U-0402 C99 .1U-0402 C102 .1U-0402
C162 .1U-0402 C171 .1U-0402 C176 .1U-0402 C199 .1U-0402
C215 .1U-0402 C227 .1U-0402 C244 .1U-0402 C268 .1U-0402

DDR_VTT
C824 .1U-0402 C825 .1U-0402 C826 .1U-0402 C827 .1U-0402
C828 .1U-0402 C829 .1U-0402 C830 .1U-0402 C831 .1U-0402
C832 .1U-0402 C841 .1U-0402 C842 .1U-0402 C843 .1U-0402
C844 .1U-0402 C845 .1U-0402 C846 .1U-0402 C847 .1U-0402

DDR_VTT
C839 *1000U/6.3V
C848 .1U-0402 C849 .1U-0402
C850 .1U-0402 C851 .1U-0402
C852 .1U-0402 C853 .1U-0402
C854 .1U-0402 C855 .1U-0402

PROJECT : DT1
Quanta Computer Inc.

Size	Document Number	Rev
Custom	SSTL-2 TERMINATION RESISTORS	E

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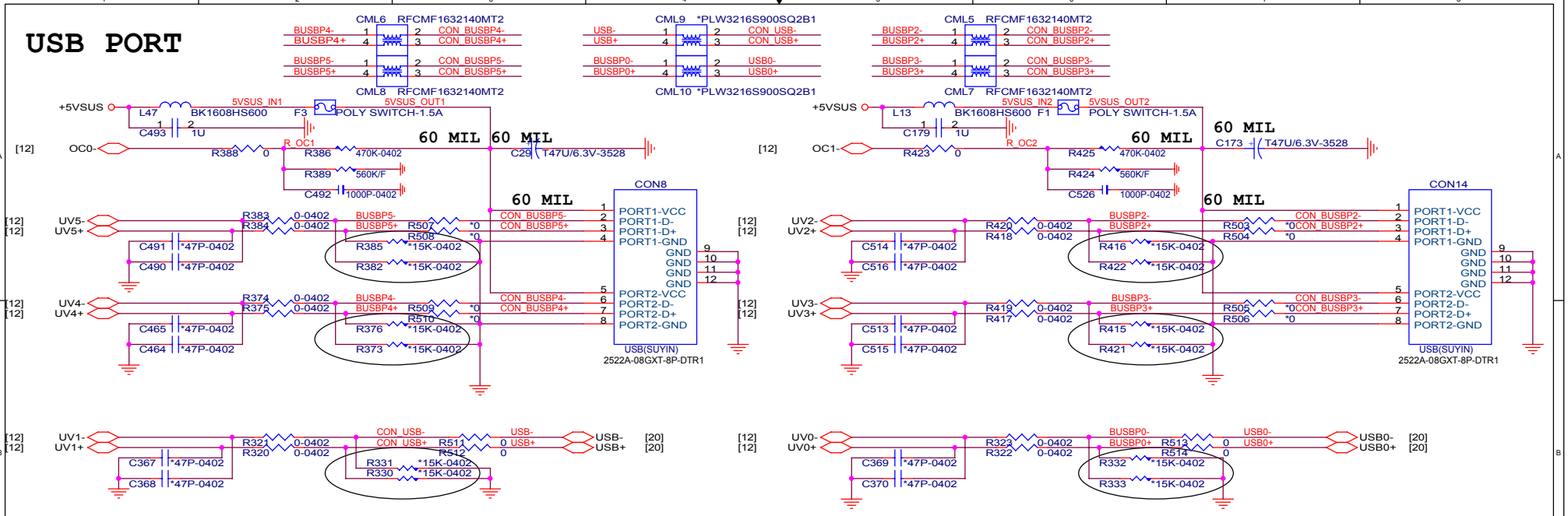
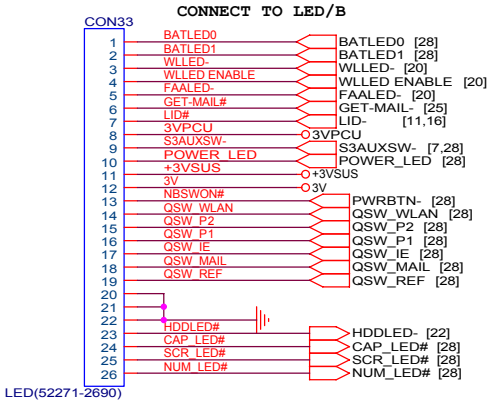
USB PORT

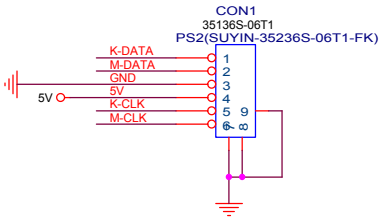


03/07 R330,R331,R332,R333,R373,R376,R382,R385,R416,R422 UNSTAFF

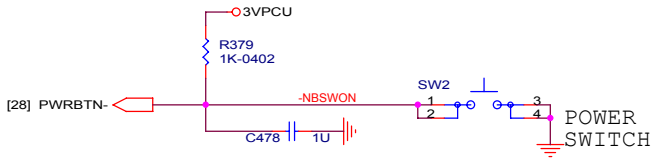
LED/B CONNECTOR



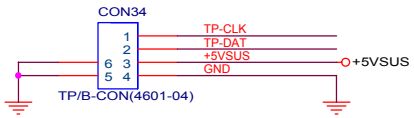
PS/2



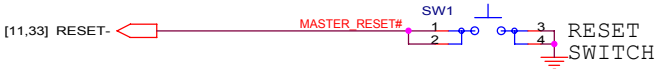
POWER SW

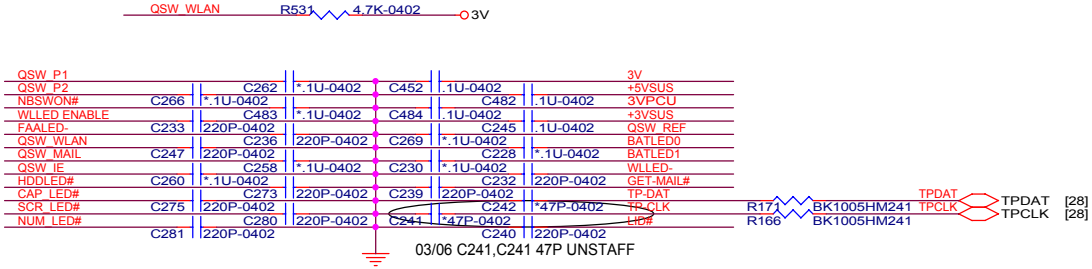


TP/B CONNECTOR



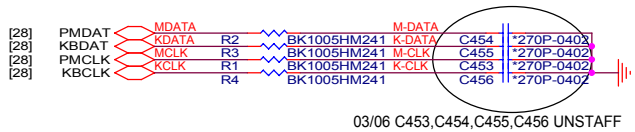
RESET SW





03/06 C241,C241 47P UNSTAFF

02/28 C45,C455,C456,C457 FROM 100P CHANGE TO 270P FOR EMI



03/06 C453,C454,C455,C456 UNSTAFF

PROJECT : DT1
Quanta Computer Inc.

Size	Document Number	Rev
Custom	USB,LED/B,PS2,PW & RST CONN	E
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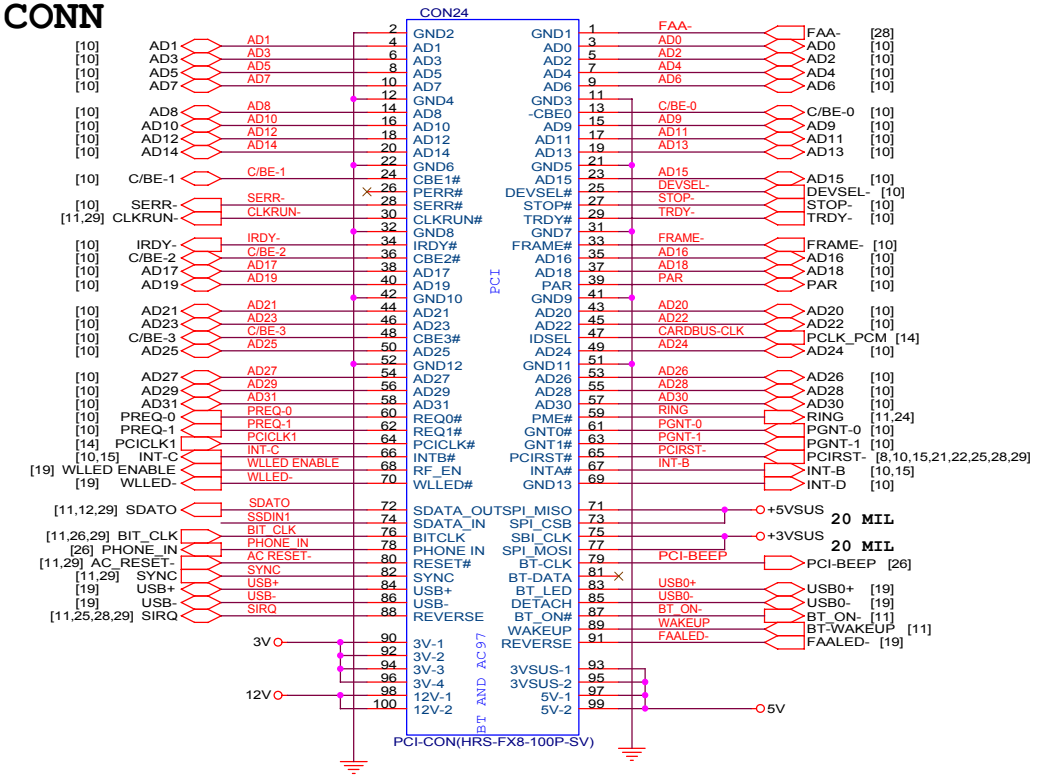
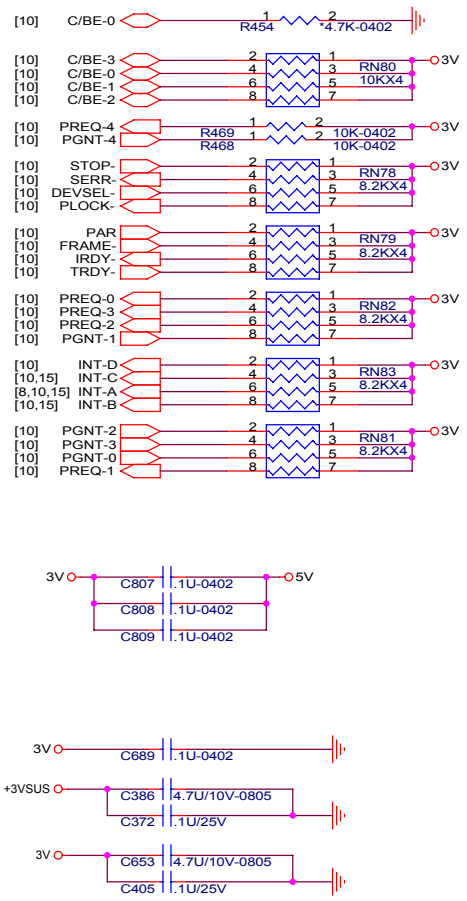
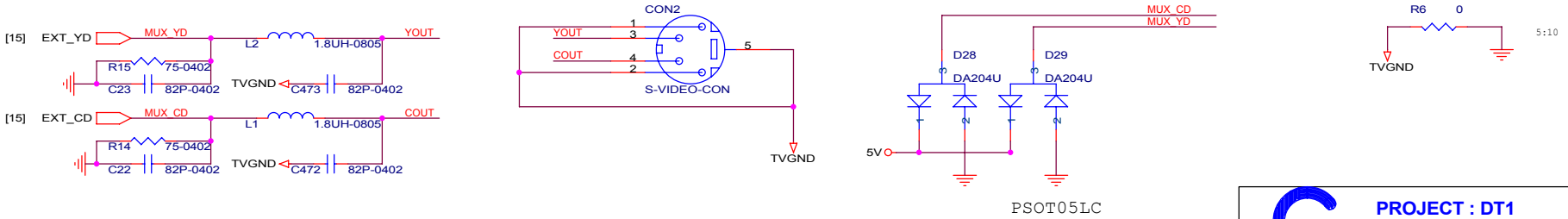
PCI-CONN



PCI PULL UP

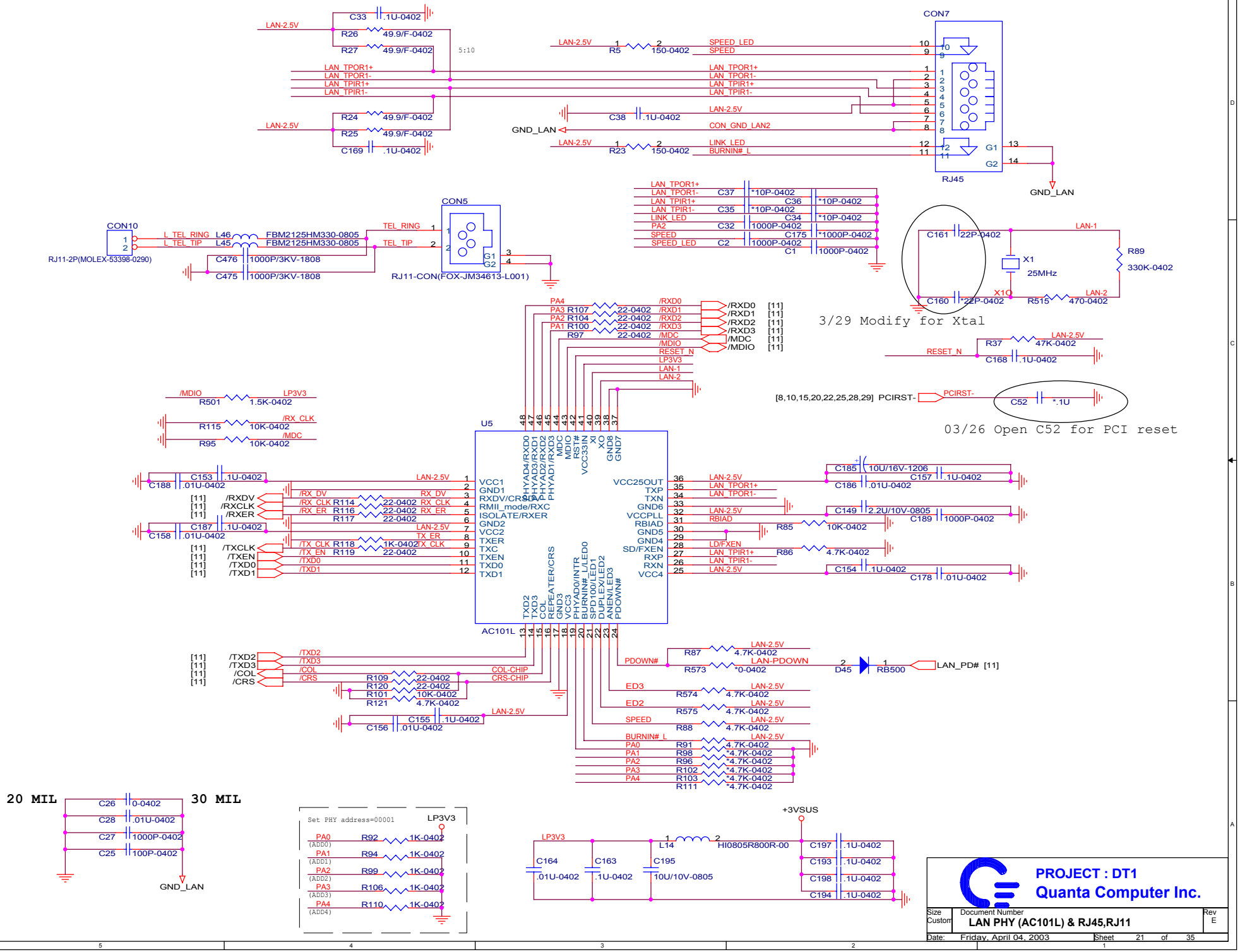


S-VIDEO(TV OUT)



Size: Custom	Document Number: PCI CONN & PULL UP	Rev: E
Date: Friday, April 04, 2003	Sheet 20 of 35	

PROJECT : DT1
Quanta Computer Inc.


C33 .1U-0402
LAN-2.5V
R26 49.9/F-0402
R27 49.9/F-0402
5:10
LAN_TPOR1+
LAN_TPOR1-
LAN_TPIR1+
LAN_TPIR1-
R24 49.9/F-0402
R25 49.9/F-0402
C169 .1U-0402
CON7
SPEED_LED
SPEED
R5 150-0402
C38 .1U-0402
GND_LAN
CON_GND_LAN2
LINK_LED
BURNIN# L
R23 150-0402
RJ45
G1
G2
CON10
L_TEL_RING L46 FBM2125HM330-0805
L_TEL_TIP L45 FBM2125HM330-0805
C476 1000P/3KV-1808
C475 1000P/3KV-1808
RJ11-2P(MOLEX-53398-0290)
CON5
TEL_RING
TEL_TIP
RJ11-CON(FOX-JM34613-L001)
C37 *10P-0402
C36 *10P-0402
C35 *10P-0402
C34 *10P-0402
PA2
C32 1000P-0402
C175 *1000P-0402
C2 1000P-0402
C1 1000P-0402
C161 22P-0402
X1
25MHz
X1O
C160 *22P-0402
R515 470-0402
LAN-1
LAN-2
R89 330K-0402
3/29 Modify for Xtal
PA4
PA3 R107 22-0402
PA2 R104 22-0402
PA1 R100 22-0402
R97 22-0402
/RXD0
/RXD1
/RXD2
/RXD3
/MDC
/MDIO
RESET_N
LP3V3
LAN-1
LAN-2
/MDIO R501 1.5K-0402
LP3V3
/RX_CLK R115 10K-0402
/MDC R95 10K-0402
RESET_N
R37 47K-0402
C168 .1U-0402
[8,10,15,20,22,25,28,29] PCIRST-
PCIRST-
C52 *.1U
03/26 Open C52 for PCI reset
U5
VCC1
GND1
RXDV/CRS_DV
RMII_mode/RXC
ISOLATE/RXER
GND2
VCC2
TXER
TXC
TXEN
TXD0
TXD1
VCC25OUT
TXP
TXN
GND6
VCCPLL
RBIAD
GND5
GND4
SD/FXEN
RXP
RXN
VCC4
AC101L
C153 .1U-0402
C188 .01U-0402
C187 .1U-0402
C158 .01U-0402
/RXDV
/RXCLK
/RXER
/TXCLK
/TXEN
/TXD0
/TXD1
/RX_DV
/RX_CLK R114 22-0402
/RX_ER R116 22-0402
R117 22-0402
/TX_CLK R118 1K-0402
/TX_EN R119 22-0402
C185 10U/16V-1206
C157 .1U-0402
C186 .01U-0402
C149 2.2U/10V-0805
C189 1000P-0402
R85 10K-0402
R86 4.7K-0402
C154 .1U-0402
C178 .01U-0402
LD/FXEN
LAN_TPIR1+
LAN_TPIR1-
/TXD2
/TXD3
/COL
/CRS
R109 22-0402
R120 22-0402
R101 10K-0402
R121 4.7K-0402
COL-CHIP
CRS-CHIP
C156 .01U-0402
C155 .1U-0402
PDOWN#
R87 4.7K-0402
R573 *0-0402
LAN-PDOWN
D45
RB500
LAN_PD# [11]
ED3
R574 4.7K-0402
ED2
R575 4.7K-0402
SPEED
R88 4.7K-0402
BURNIN# L
PA0 R91 4.7K-0402
PA1 R98 *4.7K-0402
PA2 R96 *4.7K-0402
PA3 R102 *4.7K-0402
PA4 R103 *4.7K-0402
R111 *4.7K-0402
20 MIL
30 MIL
C26 0-0402
C28 .01U-0402
C27 1000P-0402
C25 100P-0402
GND_LAN
Set PHY address=00001
LP3V3
PA0 (ADD0) R92 1K-0402
PA1 (ADD1) R94 1K-0402
PA2 (ADD2) R99 1K-0402
PA3 (ADD3) R106 1K-0402
PA4 (ADD4) R110 1K-0402
+3VSUS
LP3V3
L14 HI0805R800R-00
C164 .01U-0402
C163 .1U-0402
C195 10U/10V-0805
C197 .1U-0402
C193 .1U-0402
C198 .1U-0402
C194 .1U-0402
PROJECT : DT1
Quanta Computer Inc.
Size Custom
Document Number
LAN PHY (AC101L) & RJ45,RJ11
Rev E
Date: Friday, April 04, 2003
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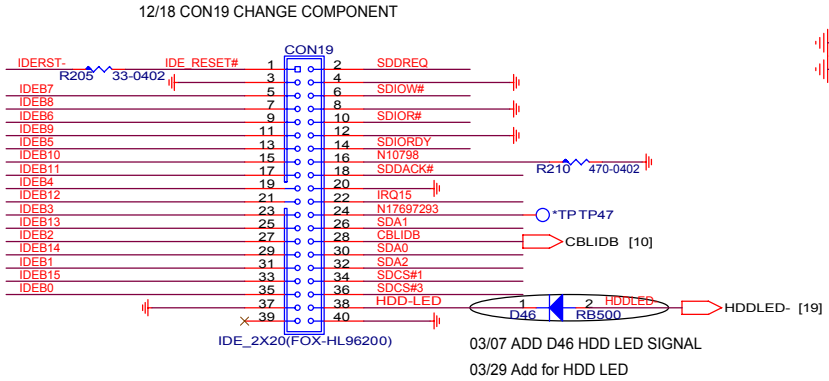
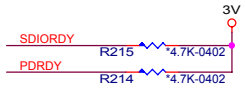
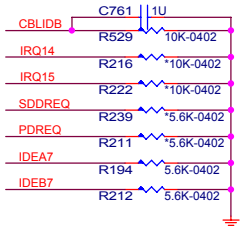
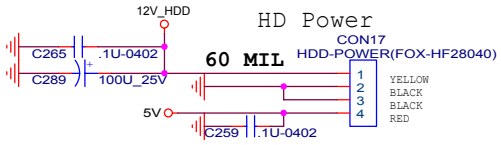
HDD,CD-ROM CONNECTOR

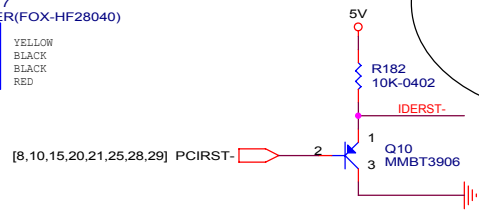


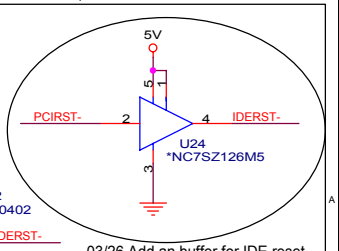


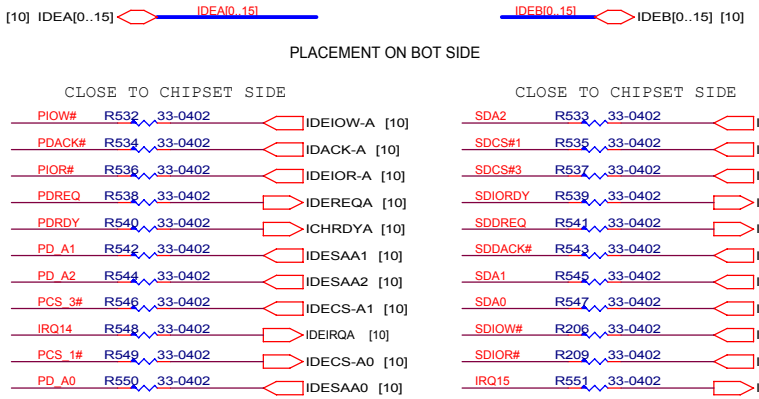


HDD POWER CONNECTOR

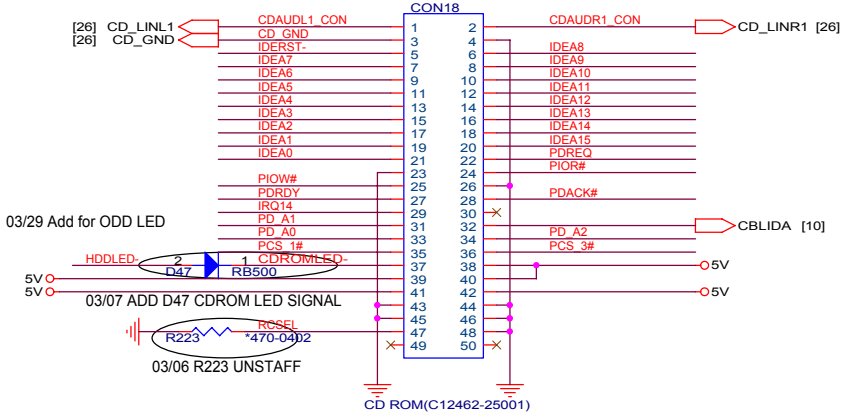




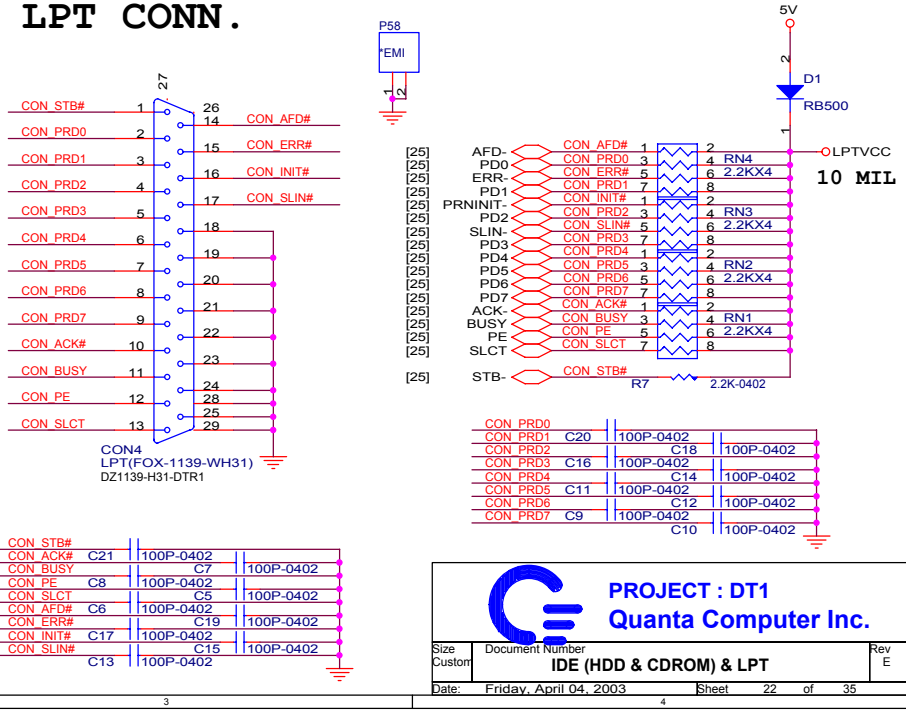




CD-ROM connector



LPT CONN.



PROJECT : DT1
Quanta Computer Inc.

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Custom	IDE (HDD & CDROM) & LPT	E
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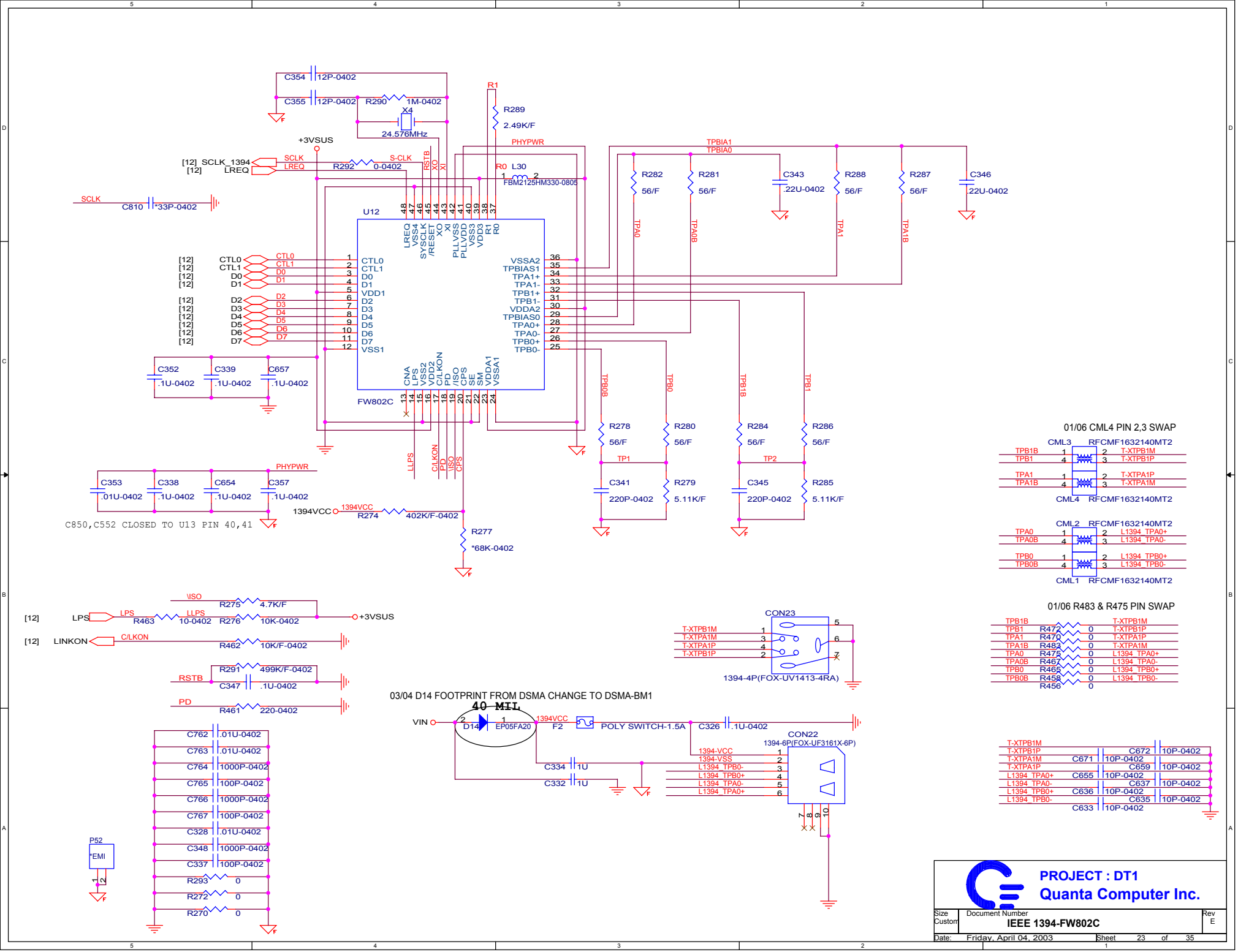
C354 12P-0402
C355 12P-0402
R290 1M-0402
X4
24.576MHz
R1
R289
2.49K/F
PHYPWR
+3VSUS
[12] SCLK_1394
[12] LREQ
SCLK
LREQ
S-CLK
R292 0-0402
RSTB
XO
XI
R0 L30
FBM2125HM330-0805
SCLK
C810 *33P-0402
U12
FW802C
LREQ
VSS4
SYSCLK
/RESET
XO
XI
PLLVSS
PLLVDD
VSS3
VSS2
R1
R0
CTL0
CTL1
D0
D1
VDD1
D2
D3
D4
D5
D6
D7
VSS1
VSSA2
TPBIAS1
TPA1+
TPA1-
TPB1+
TPB1-
VDDA2
TPBIAS0
TPA0+
TPA0-
TPB0+
TPB0-
CNA
LPS
VSS2
VDD2
C/LKON
PD
/ISO
CPS
SE
VDDA1
VSSA1
TPBIA1
TPBIA0
R282 56/F
R281 56/F
C343 .22U-0402
R288 56/F
R287 56/F
C346 .22U-0402
TPA0
TPA0B
TPA1
TPA1B
C352 .1U-0402
C339 .1U-0402
C657 .1U-0402
C353 .01U-0402
C338 .1U-0402
C654 .1U-0402
C357 .1U-0402
C850,C552 CLOSED TO U13 PIN 40,41
1394VCC
R274 402K/F-0402
R277 *68K-0402
TPB0B
TPB0
TPB1B
TPB1
R278 56/F
R280 56/F
R284 56/F
R286 56/F
TP1
TP2
C341 220P-0402
R279 5.11K/F
C345 220P-0402
R285 5.11K/F
01/06 CML4 PIN 2,3 SWAP
CML3 RFCMF1632140MT2
TPB1B
TPB1
T-XTPB1M
T-XTPB1P
TPA1
TPA1B
T-XTPA1P
T-XTPA1M
CML4 RFCMF1632140MT2
CML2 RFCMF1632140MT2
TPA0
TPA0B
L1394_TPA0+
L1394_TPA0-
TPB0
TPB0B
L1394_TPB0+
L1394_TPB0-
CML1 RFCMF1632140MT2
01/06 R483 & R475 PIN SWAP
R472 0
R470 0
R483 0
R475 0
R467 0
R465 0
R458 0
R456 0
\ISO
R275 4.7K/F
[12] LPS
R463 10-0402
R276 10K-0402
+3VSUS
[12] LINKON
C/LKON
R462 10K/F-0402
RSTB
R291 499K/F-0402
C347 .1U-0402
PD
R461 220-0402
C762 .01U-0402
C763 .01U-0402
C764 1000P-0402
C765 100P-0402
C766 1000P-0402
C767 100P-0402
C328 .01U-0402
C348 1000P-0402
C337 100P-0402
R293 0
R272 0
R270 0
P52
*EMI
03/04 D14 FOOTPRINT FROM DSMA CHANGE TO DSMA-BM1
40 MIL
VIN
D14 EP05FA20
1394VCC
F2
POLY SWITCH-1.5A
C326 .1U-0402
C334 1U
C332 1U
CON23
1394-4P(FOX-UV1413-4RA)
CON22
1394-6P(FOX-UF3161X-6P)
1394-VCC
1394-VSS
C672 10P-0402
C671 10P-0402
C659 10P-0402
C655 10P-0402
C637 10P-0402
C636 10P-0402
C635 10P-0402
C633 10P-0402
PROJECT : DT1
Quanta Computer Inc.
Size Custom
Document Number
IEEE 1394-FW802C
Rev E
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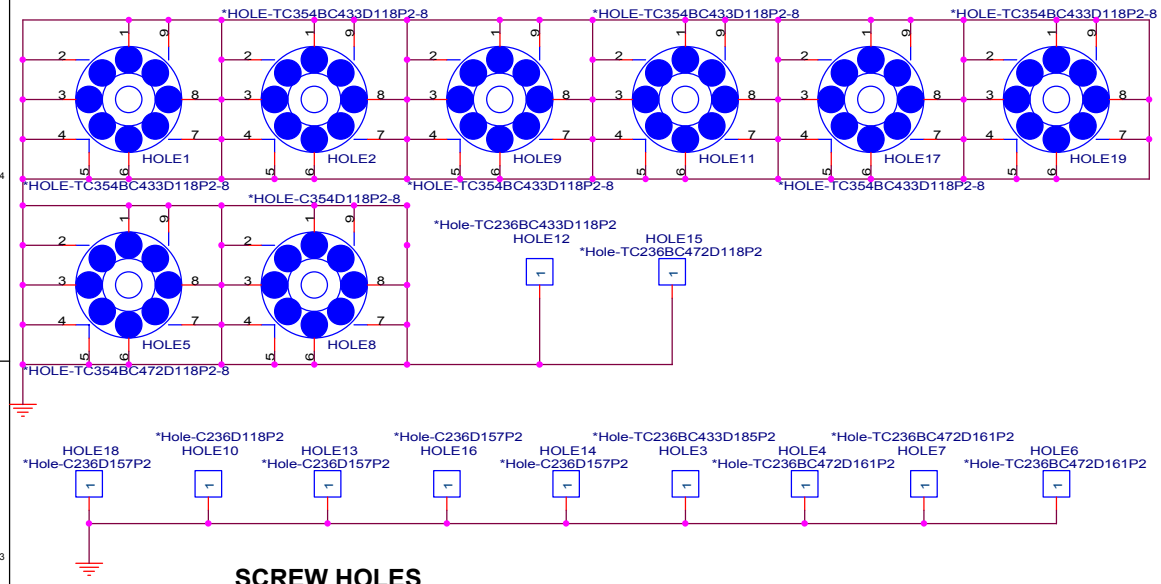
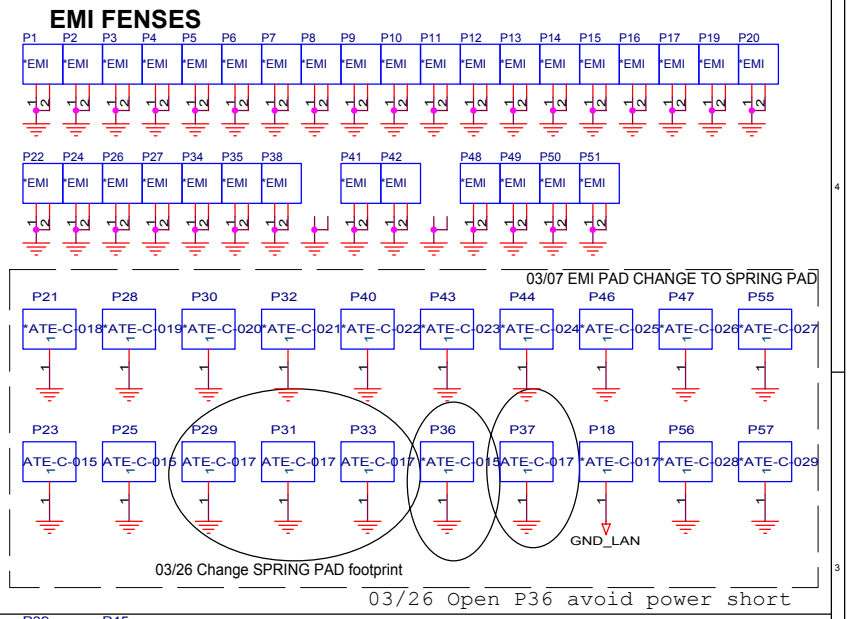
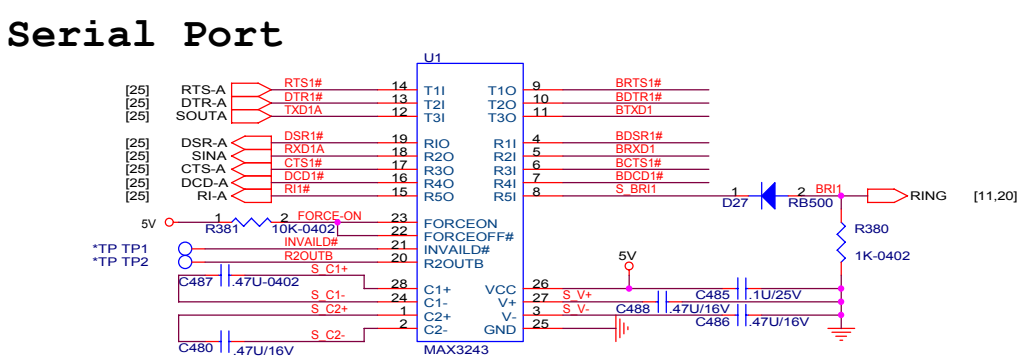
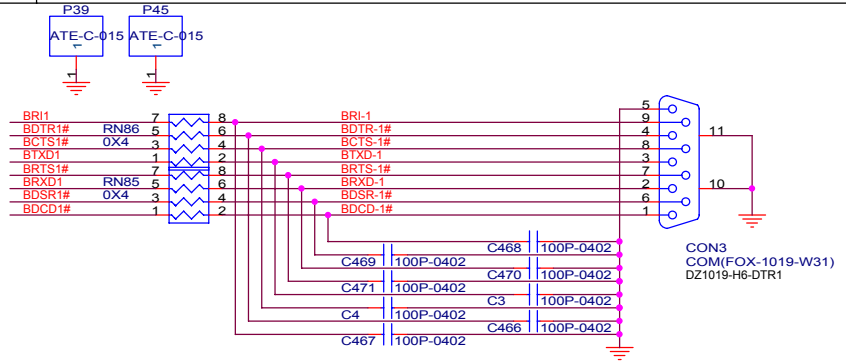


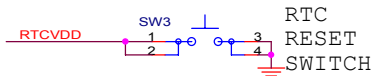


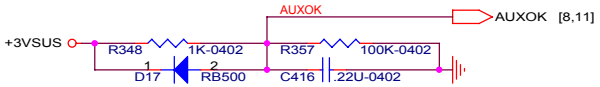


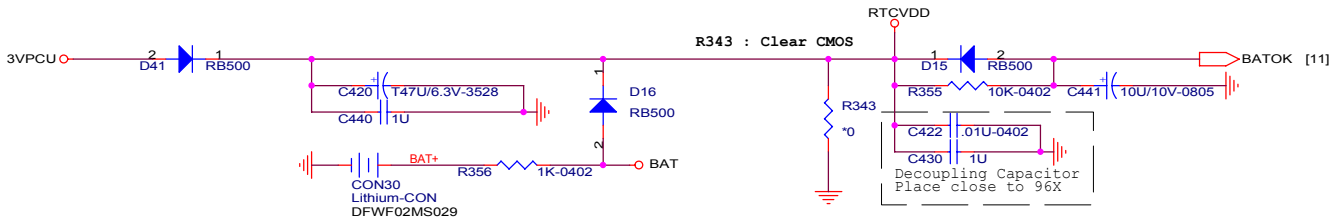


RTC

NOTE!
1.The RTCVDD is 3V
2.Decoupling capacitor must be close to 650 RTCVDD pin.
3.RTC circuit must strictly follow SiS's recommended design
SiS is not responsible for RTC problems from foreign designs.







PROJECT : DT1
Quanta Computer Inc.

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Custom	EMI PAD & COM1	E
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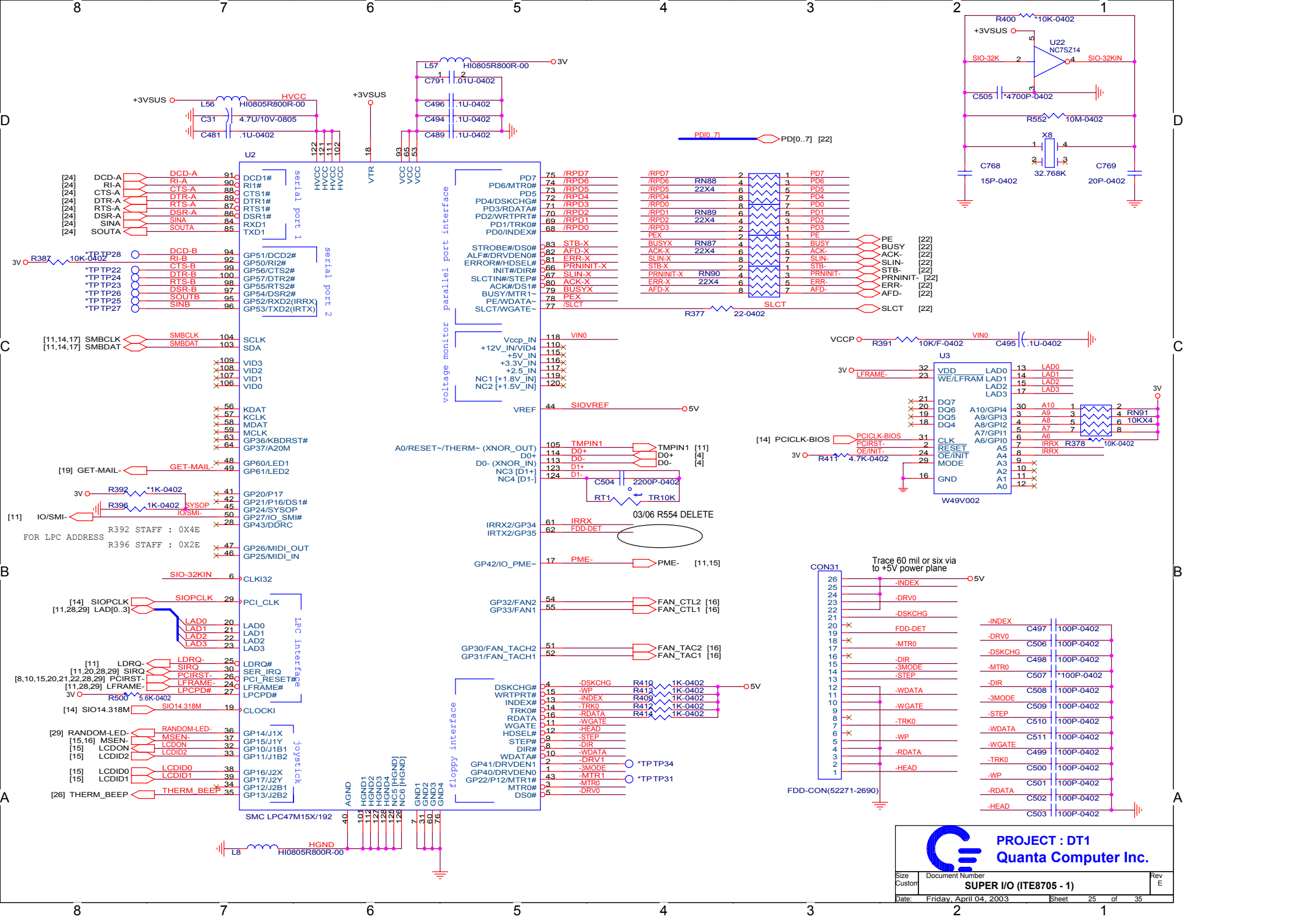
U2
SMC LPC47M15X/192
serial port 1
serial port 2
parallel port interface
voltage monitor
LPC interface
joystick
floppy interface
DCD-A
RI-A
CTS-A
DTR-A
RTS-A
DSR-A
SINA
SOUTA
DCD-B
RI-B
CTS-B
DTR-B
RTS-B
DSR-B
SOUTB
SINB
SMBCLK
SMBDAT
VID3
VID2
VID1
VID0
KDAT
KCLK
MDAT
MCLK
GP36/KBDRST#
GP37/A20M
GET-MAIL-
GP20/P17
GP21/P16/DS1#
GP24/SYSOP
IO/SMI-
GP27/IO_SMI#
GP43/DDRC
GP26/MIDI_OUT
GP25/MIDI_IN
SIO-32KIN
CLKI32
SIOPCLK
PCI_CLK
LAD0
LAD1
LAD2
LAD3
LDRQ-
SIRQ
PCIRST-
LFRAME-
LPCPD#
SIO14.318M
CLOCKI
RANDOM-LED-
MSEN-
LCDON
LCDID2
LCDID0
LCDID1
THERM_BEEP
PD7
PD6/MTR0#
PD5
PD4/DSKCHG#
PD3/RDATA#
PD2/WRTPRT#
PD1/TRK0#
PD0/INDEX#
STROBE#/DS0#
ALF#/DRVDEN0#
ERROR#/HDSEL#
INIT#/DIR#
SLCTIN#/STEP#
ACK#/DS1#
BUSY/MTR1~
PE/WDATA~
SLCT/WGATE~
Vccp_IN
+12V_IN/VID4
+5V_IN
+3.3V_IN
+2.5_IN
NC1 [+1.8V_IN]
NC2 [+1.5V_IN]
VREF
A0/RESET~/THERM~ (XNOR_OUT)
D0+
D0- (XNOR_IN)
NC3 [D1+]
NC4 [D1-]
IRRX2/GP34
IRTX2/GP35
GP42/IO_PME~
GP32/FAN2
GP33/FAN1
GP30/FAN_TACH2
GP31/FAN_TACH1
DSKCHG#
WRTPRT#
INDEX#
TRK0#
RDATA
WGATE
HDSEL#
STEP#
DIR#
WDATA#
GP41/DRVDEN1
GP40/DRVDEN0
GP22/P12/MTR1#
MTR0#
DS0#
AGND
HGND1
HGND2
HGND3
HGND4
NC5 [HGND]
NC6 [HGND]
GND1
GND2
GND3
GND4
HVCC
VTR
VCC
+3VSUS
3V
5V
L56 HI0805R800R-00
C31 4.7U/10V-0805
C481 .1U-0402
L57 HI0805R800R-00
C791 .01U-0402
C496 .1U-0402
C494 .1U-0402
C489 .1U-0402
L8 HI0805R800R-00
PD[0..7]
RN88
RN89
RN87
RN90
22X4
R377 22-0402
SLCT
PE
BUSY
ACK-
SLIN-
STB-
PRNINIT-
ERR-
AFD-
R387 10K-0402
TP28
TP22
TP24
TP23
TP26
TP25
TP27
R392 *1K-0402
R396 1K-0402
SYSOP
IO/SMI-
R392 STAFF : 0X4E
R396 STAFF : 0X2E
FOR LPC ADDRESS
R500 5.6K-0402
C504 2200P-0402
RT1 TR10K
03/06 R554 DELETE
TMPIN1
D0+
D0-
R410 1K-0402
R413 1K-0402
R409 1K-0402
R412 1K-0402
R414 1K-0402
TP34
TP31
R400 *10K-0402
U22 NC7SZ14
SIO-32K
SIO-32KIN
C505 *4700P-0402
R552 10M-0402
X8
32.768K
C768 15P-0402
C769 20P-0402
VCCP
R391 10K/F-0402
C495 .1U-0402
U3
W49V002
LFRAME-
PCICLK-BIOS
PCIRST-
OE/INIT-
R411 4.7K-0402
R378 10K-0402
RN91 10KX4
CON31
FDD-CON(52271-2690)
Trace 60 mil or six via to +5V power plane
-INDEX
-DRV0
-DSKCHG
FDD-DET
-MTR0
-DIR
-3MODE
-STEP
-WDATA
-WGATE
-TRK0
-WP
-RDATA
-HEAD
C497 100P-0402
C506 100P-0402
C498 100P-0402
C507 *100P-0402
C508 100P-0402
C509 100P-0402
C510 100P-0402
C511 100P-0402
C499 100P-0402
C500 100P-0402
C501 100P-0402
C502 100P-0402
C503 100P-0402
PROJECT : DT1
Quanta Computer Inc.
SUPER I/O (ITE8705 - 1)
Size Custom
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Rev E
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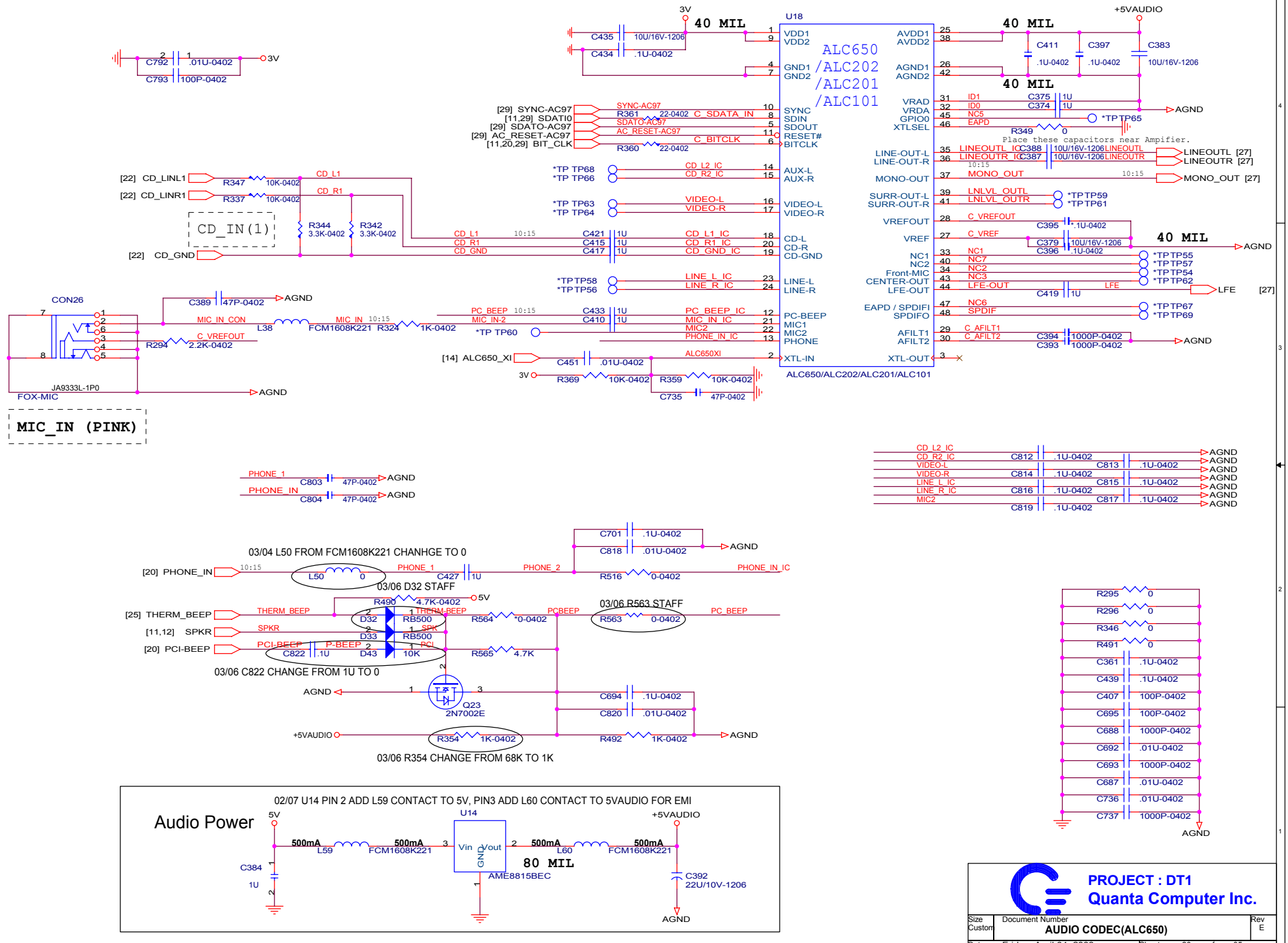
U18
ALC650 /ALC202 /ALC201 /ALC101
ALC650/ALC202/ALC201/ALC101
40 MIL
+5VAUDIO
3V
AGND
CD_IN(1)
MIC_IN (PINK)
CON26
FOX-MIC
JA9333L-1P0
03/04 L50 FROM FCM1608K221 CHANHGE TO 0
03/06 D32 STAFF
03/06 R563 STAFF
03/06 C822 CHANGE FROM 1U TO 0
03/06 R354 CHANGE FROM 68K TO 1K
Audio Power
02/07 U14 PIN 2 ADD L59 CONTACT TO 5V, PIN3 ADD L60 CONTACT TO 5VAUDIO FOR EMI
AME8815BEC
80 MIL
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Quanta Computer Inc.
AUDIO CODEC(ALC650)
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Audio amplifier

AMPMUTE — R567 0-0402 — AGND

03/06 U15 CHANGE COMPONENT FROM LM4873LQ TO LM4873MTE-1

+5VAUDIO — R339 100K-0402 — HPSENSE — R340 100K-0402 — HP-SENSE

[28] AUDIO_MUTE — Q16 *DTC144EU — AMPMUTE

5V — R566 *10K-0402

U15 LM4873MTE-1

GND8 GND2 SHUTDOWN GND3 GND7 HP-IN GND12 GND9

GND1 OUTA+ VDD1 OUTA- INA- GND4 INA+ GND10 GND11 GND5 INA2- MUX-CTRL INB2- GND6 GND13 GND14

OUTB+ VDD2 OUTB- INB- BYPASS INB+

L_SPK+ — R_SPK+ — +5VAUDIO — L_SPK- — R_SPK- — LIN-2 — RIN-2 — A_BYPASS — LIN+ — RIN+

[26] LINEOUTL — R309 20K/F L-HPIN-2 — R329 18K-0402 — R310 20K-0402 LIN-2 — R328 27K-0402

[26] LINEOUTR — R308 20K-0402 RIN-2 — R307 20K/F R-HPIN-2

R327 27K-0402 RIN-2 — R326 18K-0402 R-HPIN-2

C362 .47U-0402 — AGND

AGND — L-HPIN-2 — HPSENSE — R306 0-0402 MUX-CTRL — R-HPIN-2

L_SPK+ — L42 0 — C431 *180P-0402 — C432 *180P-0402 — AGND — L_SPK-

INT-SPKL+ — Q21 NDS351AN — SPK_ON — INT-SPKL- — Q22 NDS351AN

R_SPK+ — L41 0 — C425 *180P-0402 — C424 *180P-0402 — AGND — R_SPK-

INT-SPKR+ — Q18 NDS351AN — SPK_ON — INT-SPKR- — Q17 NDS351AN

03/06 Q18 STAFF

INT_C_SPKL+ INT_C_SPKL- INT_C_SPKR+ INT_C_SPKR-

CON35 SPEAKER-CON(53261-0490)

C443 1000P-0402 — C438 1000P-0402 — C437 1000P-0402 — C442 1000P-0402 — AGND

03/06 Q19, Q20 CHANGE COMPONENT FROM DTA144EUA TO ON

5VPCU — R568 1M-0402 — 12V — R569 47K-0402 — SPK_ON

AUDIO_MUTE — Q20 DTA114 — Q19 DTA114 — Q25 2N7002E

03/06 R570 STAFF

HPSENSE — R570 100K-0402 — C821 .1U-0402

U16 LM4871LD

SHUTDOWN VO2 BYPASS GND IN+ VDD IN- VO1

AMPMUTE — BYPASS — AGND — C413 1U — LFE — LFE-IN — R338 *20K-0402

VO+1 — L36 0 — AGNDAGND — +5VAUDIO — VO-1 — L37 0

VO1+ — VO1- — C350 *180P-0402 — C358 *180P-0402 — SPK_ON

Q14 NDS351AN — Q15 NDS351AN — VO1+_SPK — VO1-_SPK

CON25 SUBWOOFER-CON(53261-0290)

C359 *220P-0402 — C351 *220P-0402 — AGND

[26] LFE

R334 20K-0402

[26] MONO_OUT — MONO_OUT — MONOOUT — C406 10U/16V-1206 — R336 20K-0402 — C390 *4700P-0402

HEADPHONE OUT

CON27 FOX-HEAD JA9333L-1P0

INT-SPKL- — C436 100U/6.3V — AOUTL_2 — L44 BLM11A12PT — AOUTL_3

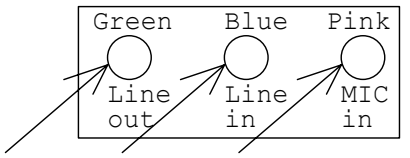
INT-SPKR- — C423 100U/6.3V — AOUTR_2 — L39 BLM11A12PT — AOUTR_3

HPSENSE — C426 1000P-0402 — C414 1000P-0402

L31 BK1608HS241-T — AGND

+5VAUDIO — C412 10U/10V-0805 — C376 .01U-0402 — C404 .1U-0402 — C403 1000P-0402 — AGND

R341 1K-0402 — AGND — R351 1K-0402 — AGND



PROJECT : DT1
Quanta Computer Inc.

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Custom	AUDIO AMPLIFIER(LM4873 & 4871)	E
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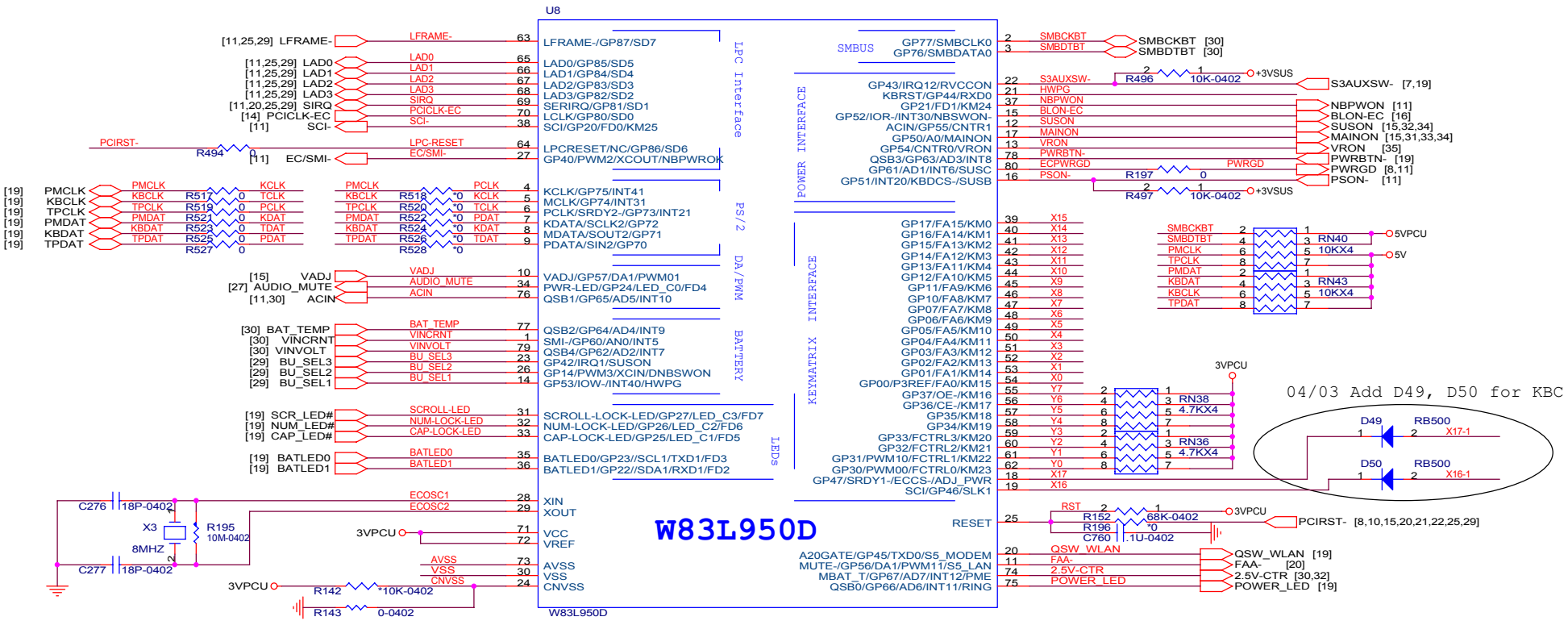
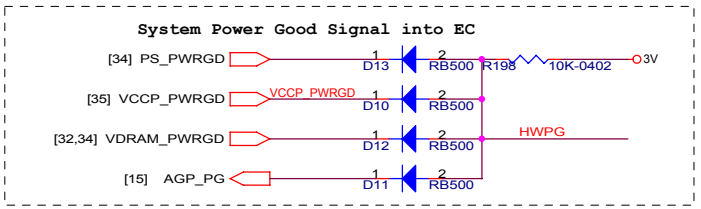
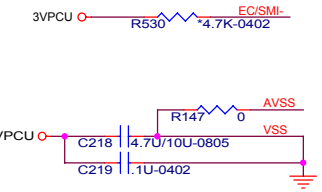
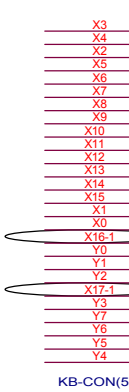


PIN 24 CNVSS PULL-HI EC PROGRAMABLE
PIN 24 CNVSS PULL-LO EC UNPROGRAMABLE

04/03 Add D49, D50 for KBC

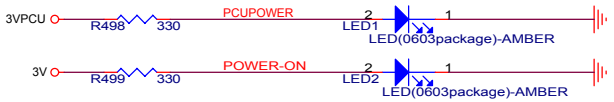


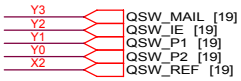




04/03 Add D49 D50 for KBC

X2 & Y3: E-MAIL
X2 & Y2: EXPLORER
X2 & Y1: P1
X2 & Y0: P2





PROJECT : DT1
Quanta Computer Inc.

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Custom	EC W83L950D	E
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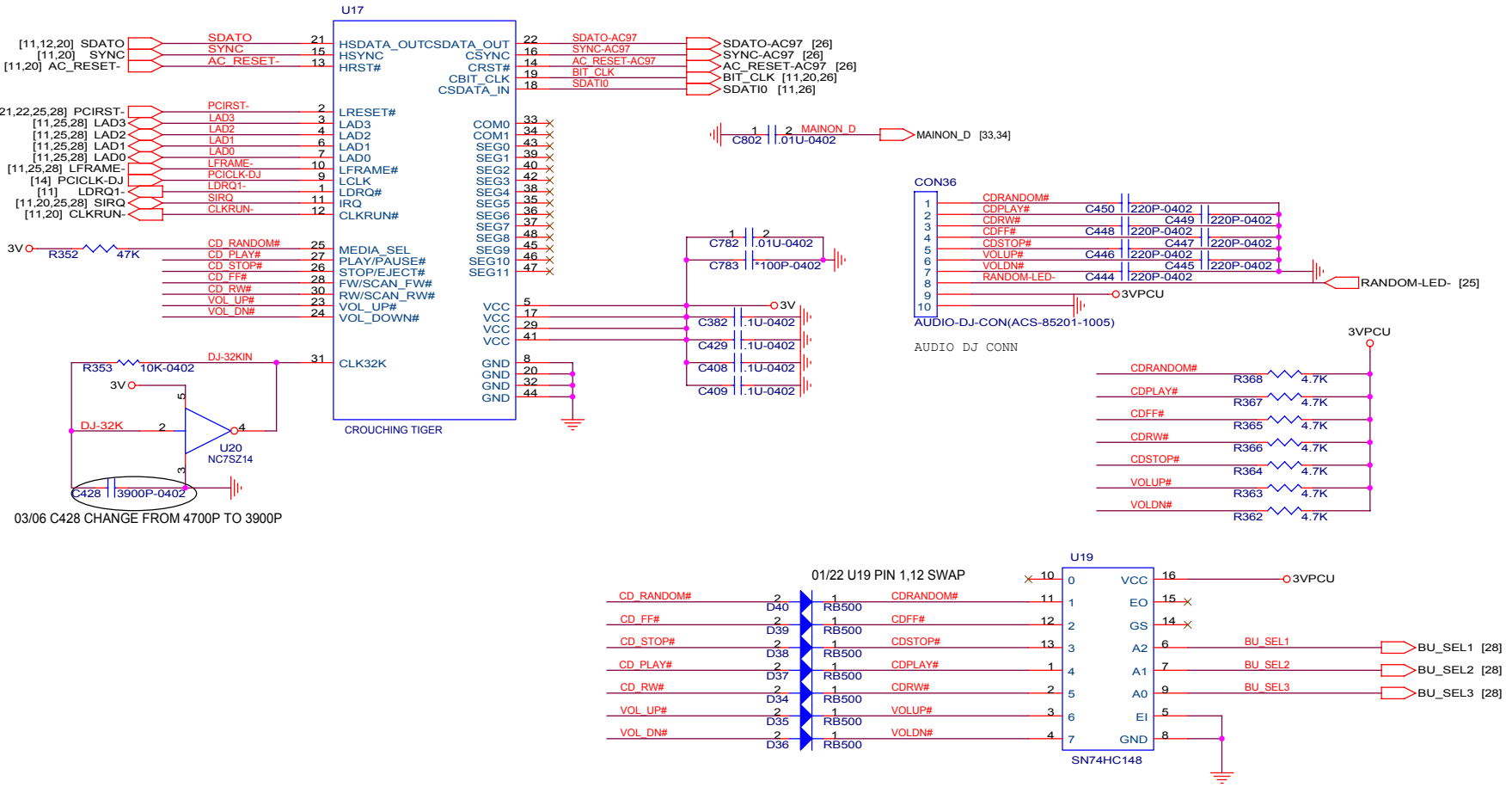

SN74HC148 TABLE

INPUTS									OUTPUTS				
EI	0	1	2	3	4	5	6	7	A2	A1	A0	GS	EO
H	X	X	X	X	X	X	X	X	H	H	H	H	H
L	H	H	H	H	H	H	H	H	H	H	H	H	L
L	X	X	X	X	X	X	X	L	L	L	L	L	H
L	X	X	X	X	X	X	L	H	L	L	H	L	H
L	X	X	X	X	X	L	H	H	L	H	L	L	H
L	X	X	X	X	L	H	H	H	L	H	H	L	H
L	X	X	X	L	H	H	H	H	H	L	L	L	H
L	X	X	L	H	H	H	H	H	H	L	H	L	H
L	X	L	H	H	H	H	H	H	H	H	L	L	H
L	L	H	H	H	H	H	H	H	H	H	H	L	H

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Quanta Computer Inc.

Size	Document Number	Rev
Custom	OZ263 AUDIO-DJ	E

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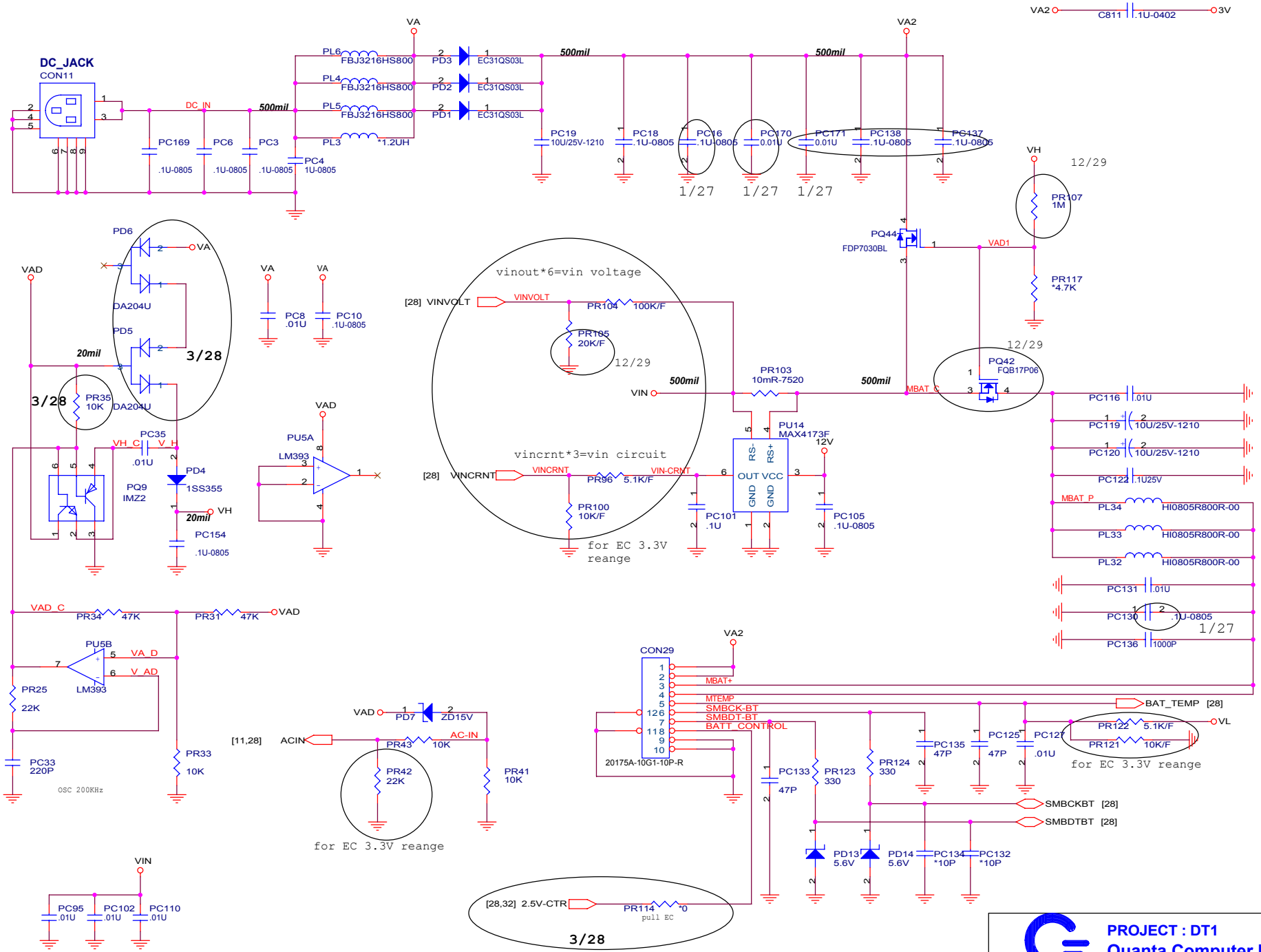

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Quanta Computer Inc.

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Custom	BATTERY CONN & POWER JACK	E
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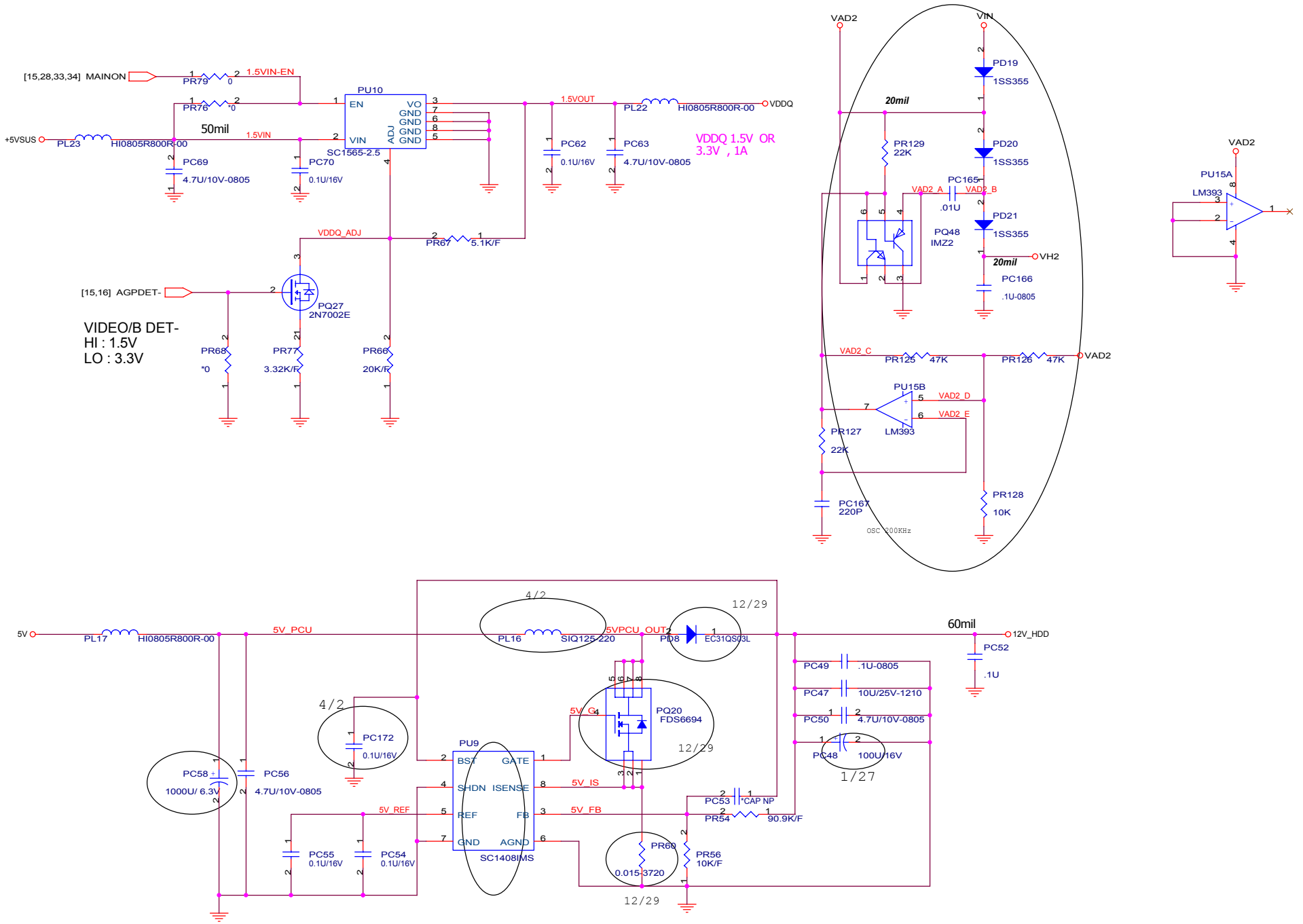

03/06 PC58 CHANGE COMPONENT TO 100U/16V

03/06 PR60 CHANGE FROM 10mohm TO 15mohm

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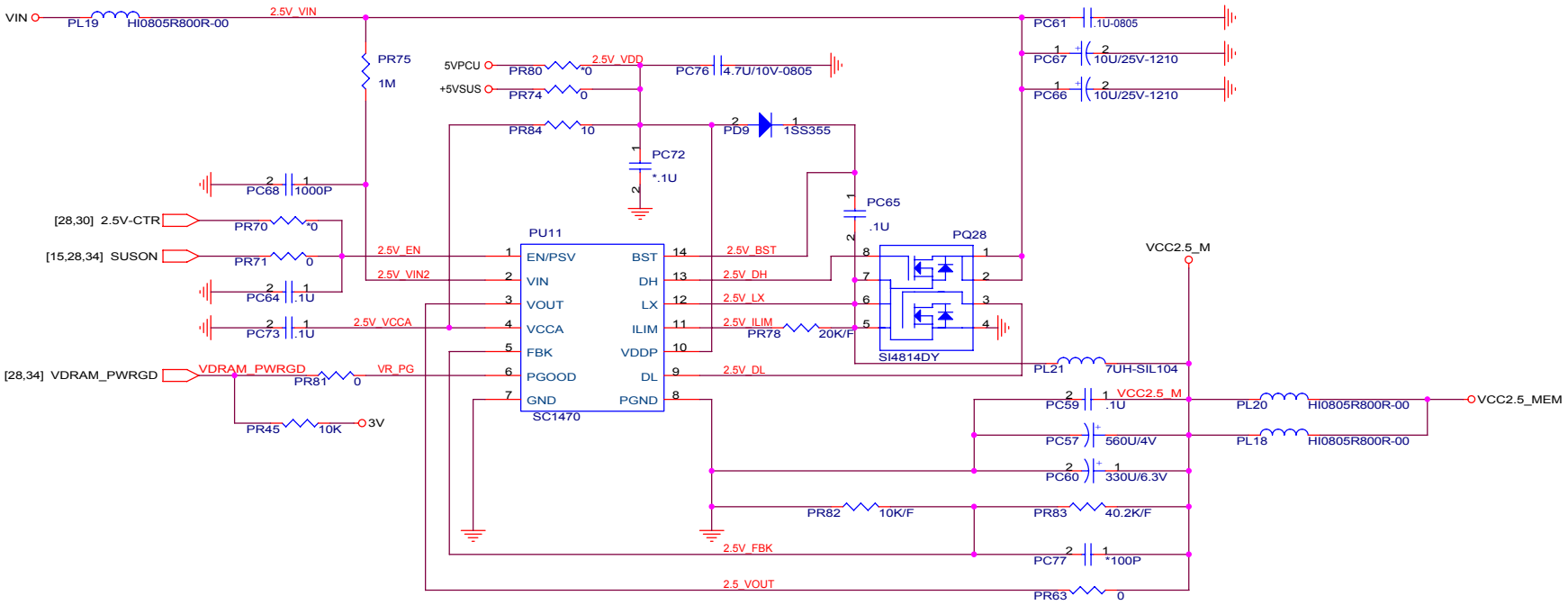

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Custom	POWER - DDR & 2.5V	E
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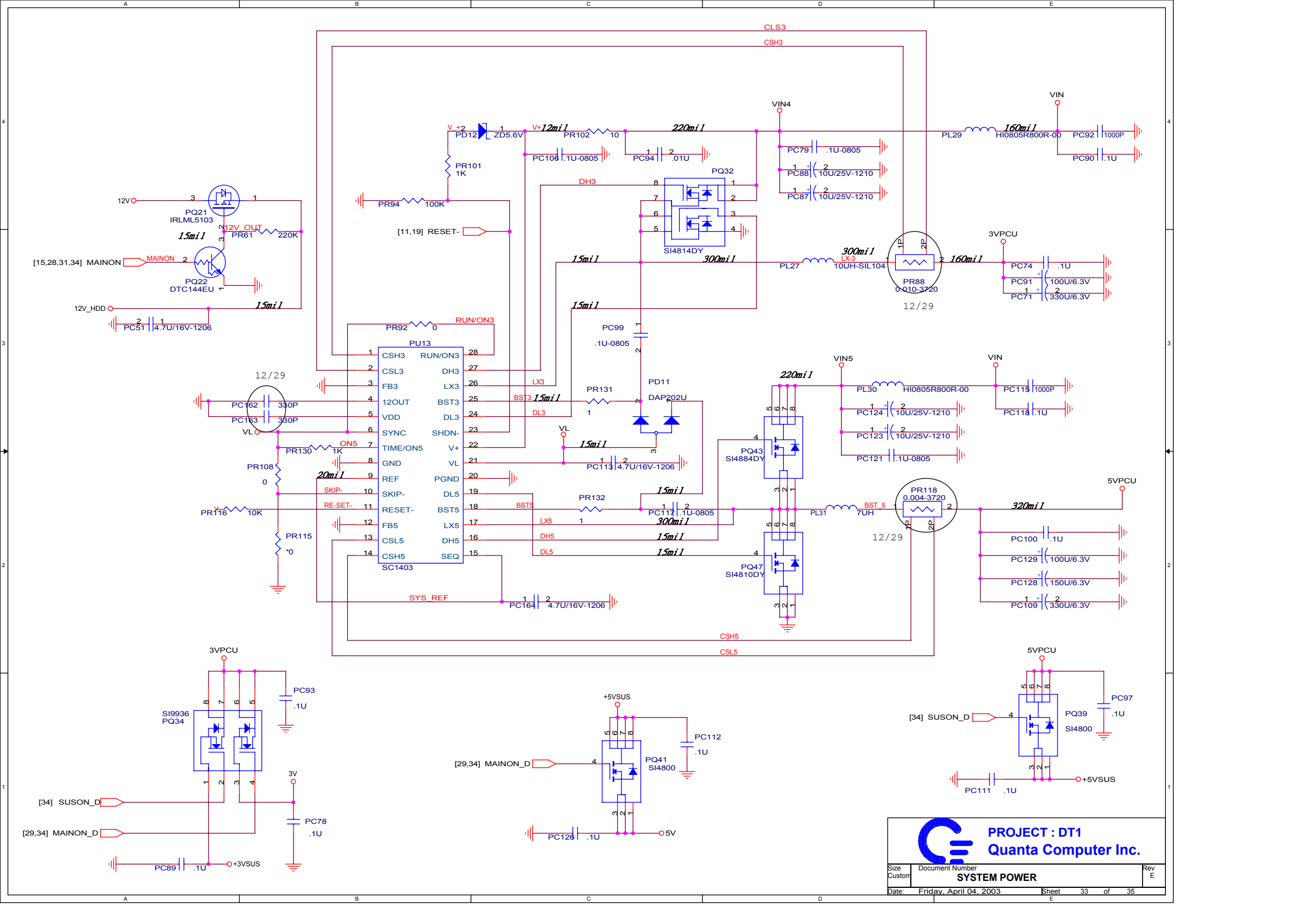
CLS3
CSH3
VIN
VIN4
PD12
ZD5.6V
PR102
10
220mil
PC106
.1U-0805
PC94
.01U
PL29
160mil
HI0805R800R-00
PC92
1000P
PC90
.1U
PC79
.1U-0805
PC88
10U/25V-1210
PC87
10U/25V-1210
PR101
1K
PR94
100K
DH3
PQ32
SI4814DY
[11,19] RESET-
12V
PQ21
IRLML5103
12V_OUT
PR61
220K
15mil
[15,28,31,34] MAINON
MAINON
PQ22
DTC144EU
12V_HDD
PC51
4.7U/16V-1206
300mil
PL27
LX-3
10UH-SIL104
PR88
0.010-3720
160mil
3VPCU
PC74
.1U
PC91
100U/6.3V
PC71
330U/6.3V
12/29
PR92
0
RUN/ON3
PU13
CSH3
CSL3
FB3
12OUT
VDD
SYNC
TIME/ON5
GND
REF
SKIP-
RESET-
FB5
CSL5
CSH5
RUN/ON3
DH3
LX3
BST3
DL3
SHDN-
V+
VL
PGND
DL5
BST5
LX5
DH5
SEQ
SC1403
PC99
.1U-0805
PR131
PD11
DAP202U
LX3
BST3
DL3
PC162
330P
PC163
330P
VL
PR130
1K
ON5
PR108
0
20mil
PR116
10K
PR115
*0
SKIP-
RE-SET-
PC113
4.7U/16V-1206
PR132
BST5
LX5
DH5
DL5
PC117
.1U-0805
SYS_REF
PC164
4.7U/16V-1206
VIN5
220mil
PL30
HI0805R800R-00
PC115
1000P
PC118
.1U
PC124
10U/25V-1210
PC123
10U/25V-1210
PC121
.1U-0805
PQ43
SI4884DY
PQ47
SI4810DY
PR118
0.004-3720
BST_5
PL31
7UH
320mil
5VPCU
PC100
.1U
PC129
100U/6.3V
PC128
150U/6.3V
PC109
330U/6.3V
12/29
CSH5
CSL5
3VPCU
PC93
.1U
SI9936
PQ34
[34] SUSON_D
[29,34] MAINON_D
3V
PC78
.1U
PC89
.1U
+3VSUS
+5VSUS
PC112
.1U
PQ41
SI4800
PC126
.1U
5V
5VPCU
PC97
.1U
PQ39
SI4800
PC111
.1U
+5VSUS
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Custom
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SYSTEM POWER
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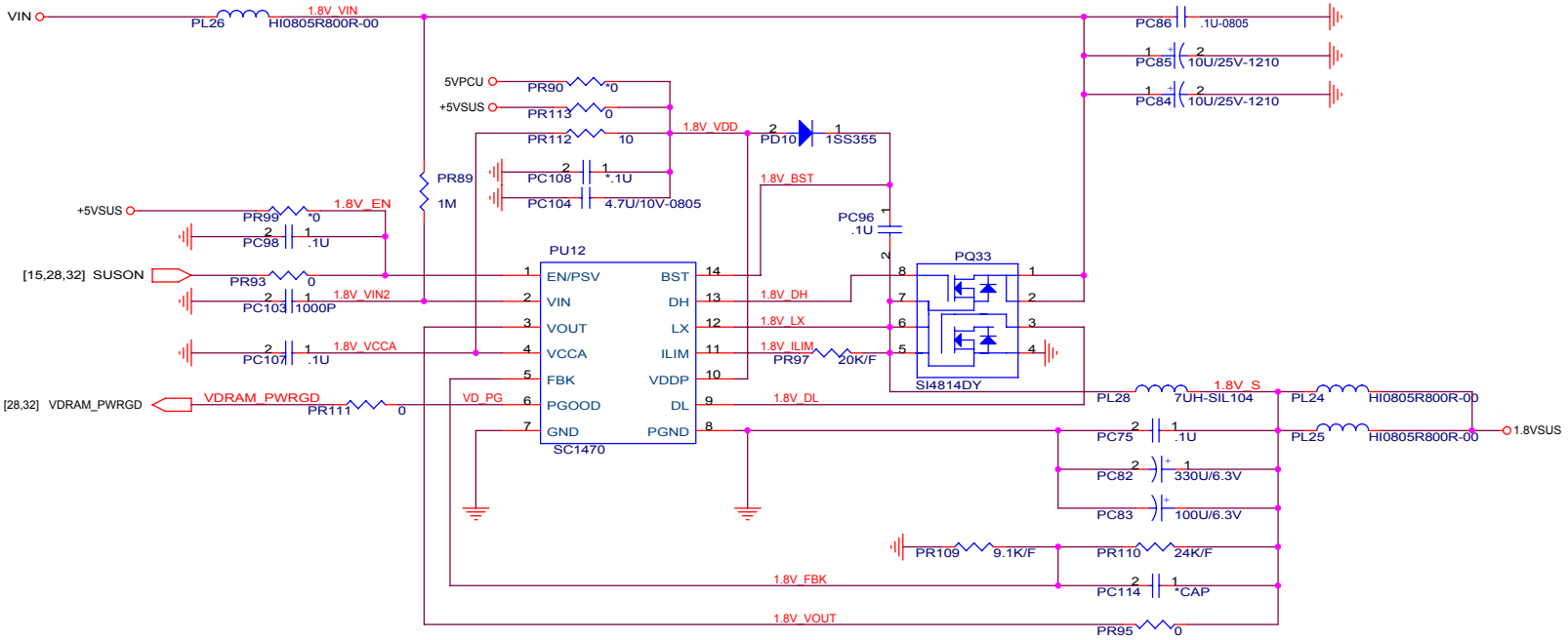

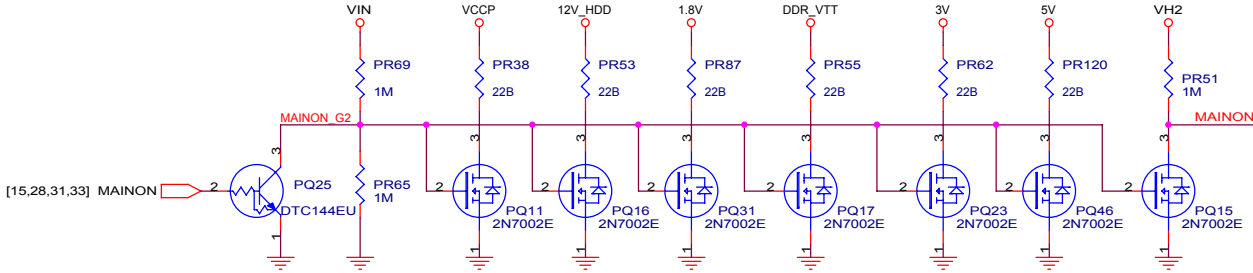

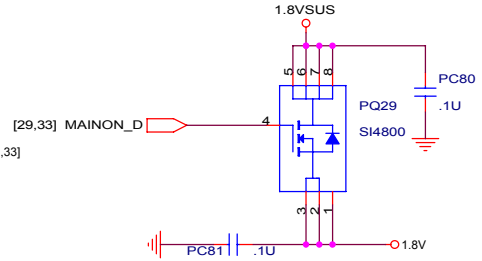

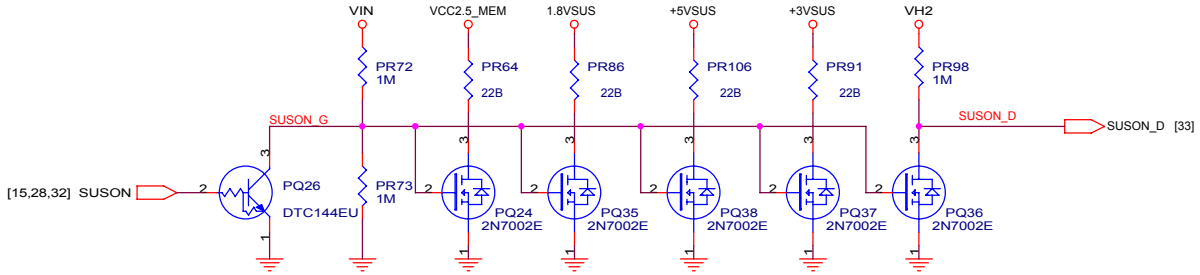

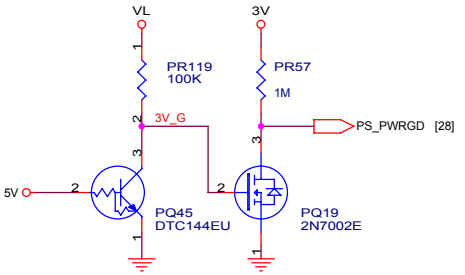

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HIP6301 FOR INTEL Brookdale POWER CKT-DDR