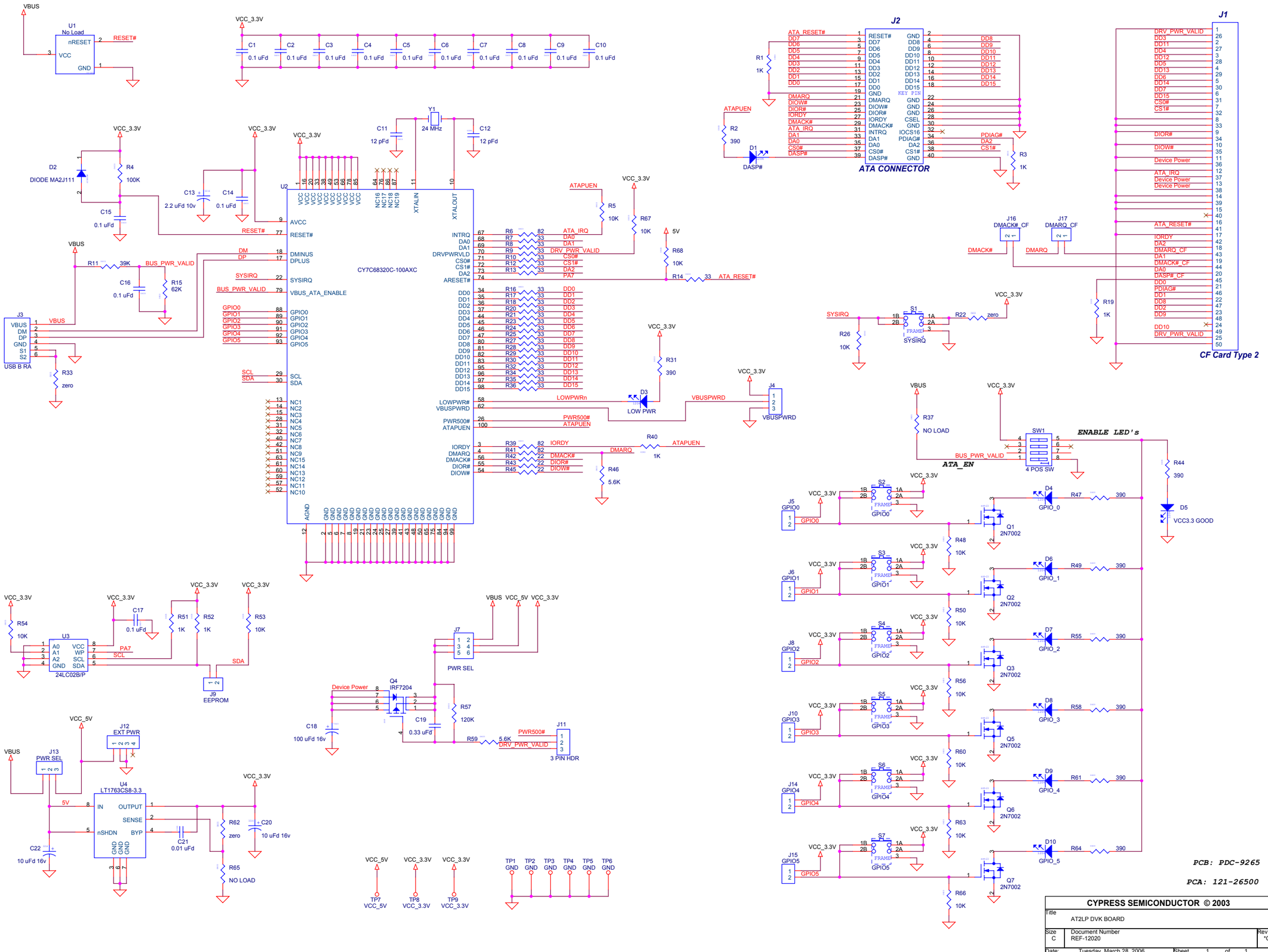

U1
No Load
nRESET
VCC
GND
RESET#
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10
0.1 uFd
VCC_3.3V
Y1
24 MHz
C11
12 pFd
C12
12 pFd
U2
CY7C68320C-100AXC
AVCC
RESET#
DMINUS
DPLUS
SYSIRQ
VBUS_ATA_ENABLE
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
SCL
SDA
XTALIN
XTALOUT
AGND
D2
DIODE MA2J111
R4
100K
C13
2.2 uFd 10v
C14
0.1 uFd
C15
0.1 uFd
R11
39K
BUS_PWR_VALID
C16
0.1 uFd
R15
62K
J3
USB B RA
VBUS
DM
DP
GND
S1
S2
R33
zero
R5
10K
R67
10K
R68
10K
5V
R14
33
ATA_RESET#
ATAPUEN
INTRQ
DA0
DA1
DRVPWRVLD
CS0#
CS1#
DA2
ARESET#
DD0 DD1 DD2 DD3 DD4 DD5 DD6 DD7 DD8 DD9 DD10 DD11 DD12 DD13 DD14 DD15
LOWPWR#
VBUSPWRD
PWR500#
ATAPUEN
LOWPWRn
D3
LOW PWR
R31
390
J4
R39 R41 R42 R43 R45
IORDY
DMARQ
DMACK#
DIOR#
DIOW#
R40
1K
R46
5.6K
NC1 NC2 NC3 NC4 NC5 NC6 NC7 NC8 NC9 NC15 NC14 NC13 NC12 NC11 NC10
J2
ATA CONNECTOR
ATA_RESET# DD7 DD6 DD5 DD4 DD3 DD2 DD1 DD0 DMARQ DIOW# DIOR# IORDY DMACK# ATA_IRQ DA1 DA0 CS0# DASP#
RESET# DD7 DD6 DD5 DD4 DD3 DD2 DD1 DD0 GND DMARQ DIOW# DIOR# IORDY DMACK# INTRQ DA1 DA0 CS0# DASP#
GND DD8 DD9 DD10 DD11 DD12 DD13 DD14 DD15 KEY PIN GND GND GND GND CSEL GND IOCS16 PDIAG# CS1# GND
DD8 DD9 DD10 DD11 DD12 DD13 DD14 DD15 PDIAG# DA2 CS1#
R1
1K
R2
390
ATAPUEN
D1
DASP#
R3
1K
J1
CF Card Type 2
DRV_PWR_VALID DD3 DD11 DD4 DD12 DD5 DD13 DD6 DD14 DD7 DD15 CS0# CS1# DIOR# DIOW# Device Power ATA_IRQ Device Power Device Power ATA_RESET# IORDY DA2 DMARQ_CF DA1 DMACK#_CF DA0 DASP#_CF DD0 PDIAG# DD1 DD8 DD2 DD9 DD10 DRV_PWR_VALID
J16
DMACK#_CF
J17
DMARQ_CF
DMACK#
DMARQ
R19
1K
SYSIRQ
R26
10K
S1
FRAME
R22
zero
R37
NO LOAD
BUS_PWR_VALID
ATA_EN
SW1
4 POS SW
ENABLE LED's
R44
390
D5
VCC3.3 GOOD
S2 S3 S4 S5 S6 S7
J5 GPIO0
J6 GPIO1
J8 GPIO2
J10 GPIO3
J14 GPIO4
J15 GPIO5
D4 GPIO_0
D6 GPIO_1
D7 GPIO_2
D8 GPIO_3
D9 GPIO_4
D10 GPIO_5
R47 R49 R55 R58 R61 R64
390
R48 R50 R56 R60 R63 R66
10K
Q1 Q2 Q3 Q5 Q6 Q7
2N7002
R54
10K
U3
24LC02B/P
A0 A1 A2 GND VCC WP SCL SDA
C17
0.1 uFd
R51
1K
R52
1K
R53
10K
PA7
SCL
SDA
J9
EEPROM
J7
PWR SEL
VBUS VCC_5V VCC_3.3V
Q4
IRF7204
Device Power
C18
100 uFd 16v
C19
0.33 uFd
R57
120K
R59
5.6K
PWR500#
DRV_PWR_VALID
J11
3 PIN HDR
VCC_5V
J12
EXT PWR
J13
PWR SEL
U4
LT1763CS8-3.3
IN OUTPUT SENSE nSHDN BYP GND GND GND
5V
C22
10 uFd 16v
C21
0.01 uFd
R62
zero
C20
10 uFd 16v
R65
NO LOAD
TP7 VCC_5V
TP8 VCC_3.3V
TP9 VCC_3.3V
TP1 TP2 TP3 TP4 TP5 TP6
GND
PCB: PDC-9265
PCA: 121-26500
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AT2LP DVK BOARD
Size C
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Date: Tuesday, March 28, 2006
Sheet 1 of 1