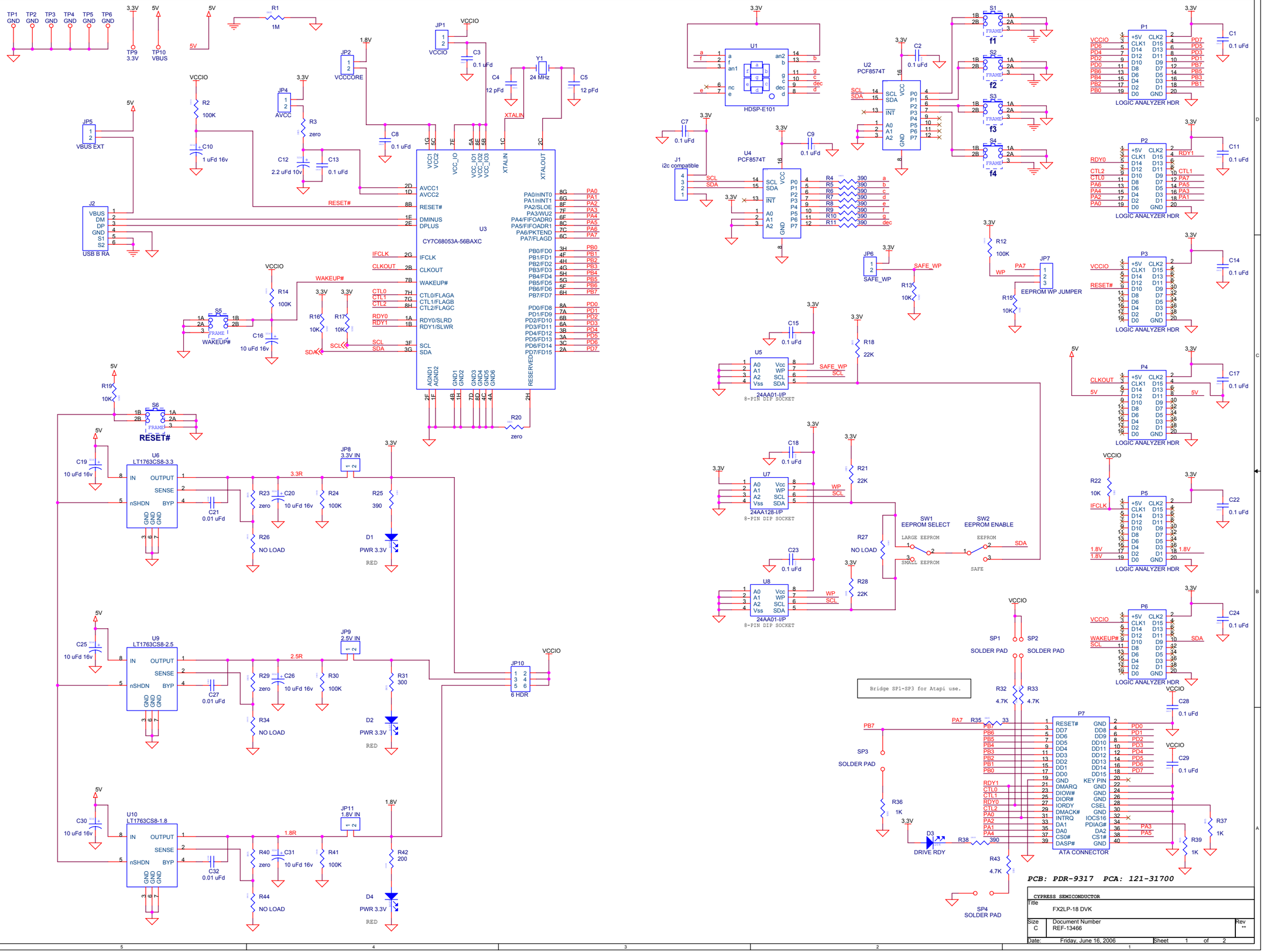
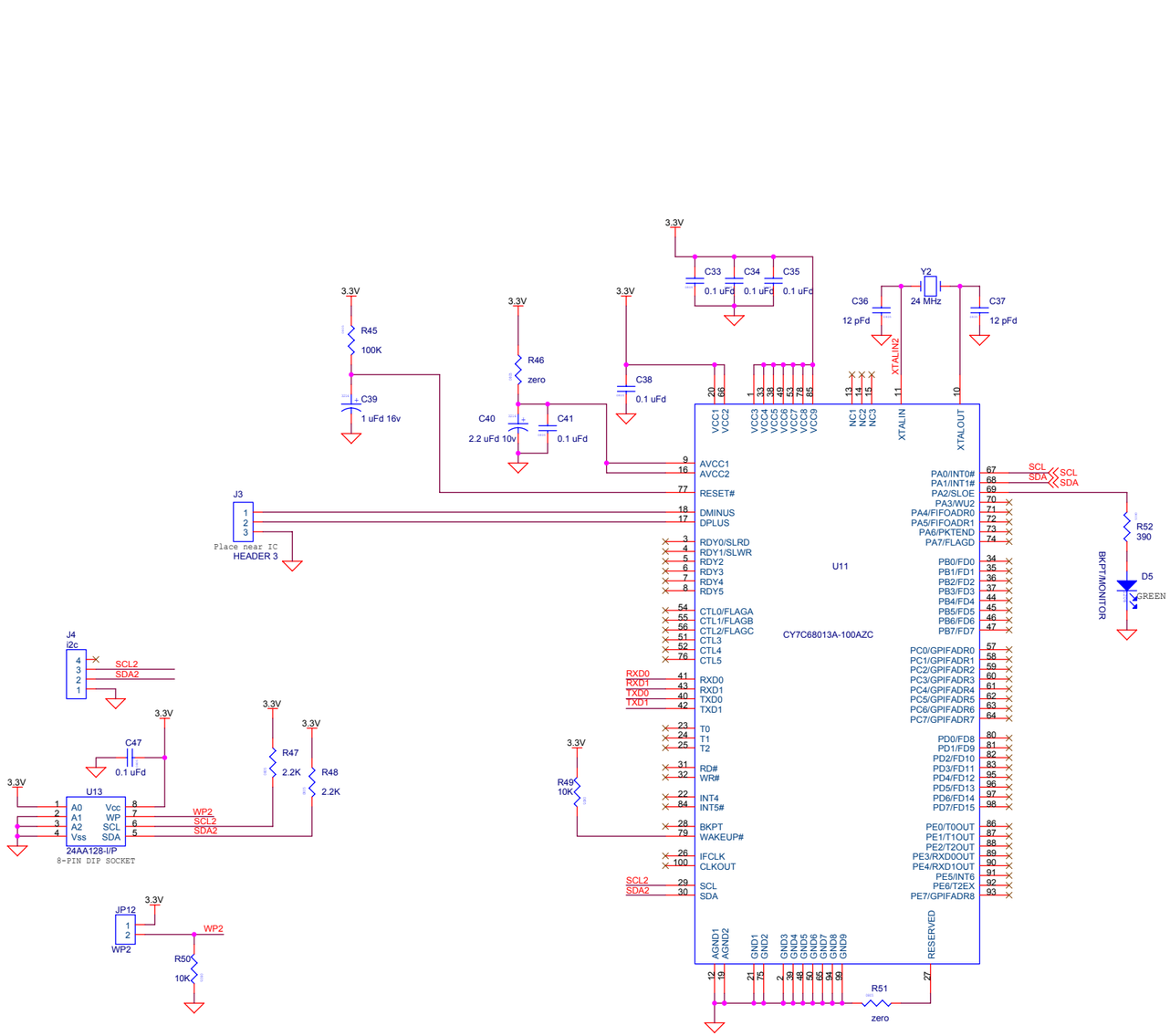

TP1 GND
TP2 GND
TP3 GND
TP4 GND
TP5 GND
TP6 GND
TP9 3.3V
TP10 VBUS
3.3V
5V
R1 1M
JP1 VCCIO
C3 0.1 uFd
JP2 VCCCORE
1.8V
C4 12 pFd
Y1 24 MHz
C5 12 pFd
XTALIN
XTALOUT
C8 0.1 uFd
JP4 AVCC
R3 zero
C12 2.2 uFd 10v
C13 0.1 uFd
R2 100K
C10 1 uFd 16v
JP5 VBUS EXT
J2 USB B RA
VBUS
DM
DP
GND
S1
S2
RESET#
U3
CY7C68053A-56BAXC
AVCC1
AVCC2
VCC_IO
VCC_IO0
VCC_IO1
VCC_IO2
VCC_IO3
DMINUS
DPLUS
IFCLK
CLKOUT
WAKEUP#
CTL0/FLAGA
CTL1/FLAGB
CTL2/FLAGC
RDY0/SLRD
RDY1/SLWR
SCL
SDA
AGND1
AGND2
GND1
GND2
GND3
GND4
GND5
GND6
RESERVED
PA0/nINT0
PA1/nINT1
PA2/SLOE
PA3/WU2
PA4/FIFOADR0
PA5/FIFOADR1
PA6/PKTEND
PA7/FLAGD
PB0/FD0
PB1/FD1
PB2/FD2
PB3/FD3
PB4/FD4
PB5/FD5
PB6/FD6
PB7/FD7
PD0/FD8
PD1/FD9
PD2/FD10
PD3/FD11
PD4/FD12
PD5/FD13
PD6/FD14
PD7/FD15
S5 WAKEUP#
R14 100K
C16 10 uFd 16v
R16 10K
R17 10K
R19 10K
S6 RESET#
C19 10 uFd 16v
U6 LT1763CS8-3.3
IN
OUTPUT
SENSE
nSHDN
BYP
C21 0.01 uFd
R23 zero
C20 10 uFd 16v
R24 100K
R25 390
R26 NO LOAD
JP8 3.3V IN
3.3R
D1 PWR 3.3V RED
U9 LT1763CS8-2.5
C25 10 uFd 16v
C27 0.01 uFd
R29 zero
C26 10 uFd 16v
R30 100K
R31 300
R34 NO LOAD
JP9 2.5V IN
2.5R
D2 PWR 3.3V RED
JP10 6 HDR
U10 LT1763CS8-1.8
C30 10 uFd 16v
C32 0.01 uFd
R40 zero
C31 10 uFd 16v
R41 100K
R42 200
R44 NO LOAD
JP11 1.8V IN
1.8R
D4 PWR 3.3V RED
R20 zero
U1 HDSP-E101
U2 PCF8574T
U4 PCF8574T
J1 i2c compatible
C7 0.1 uFd
C9 0.1 uFd
R4 390
R5 390
R6 390
R7 390
R8 390
R9 390
R10 390
R11 390
S1 f1
S2 f2
S3 f3
S4 f4
JP6 SAFE_WP
R13 10K
R12 100K
JP7 EEPROM WP JUMPER
R15 10K
U5 24AA01-I/P 8-PIN DIP SOCKET
C15 0.1 uFd
R18 22K
U7 24AA128-I/P 8-PIN DIP SOCKET
C18 0.1 uFd
R21 22K
U8 24AA01-I/P 8-PIN DIP SOCKET
C23 0.1 uFd
R28 22K
R27 NO LOAD
SW1 EEPROM SELECT
LARGE EEPROM
SMALL EEPROM
SW2 EEPROM ENABLE
EEPROM
SAFE
P1 LOGIC ANALYZER HDR
P2 LOGIC ANALYZER HDR
P3 LOGIC ANALYZER HDR
P4 LOGIC ANALYZER HDR
P5 LOGIC ANALYZER HDR
P6 LOGIC ANALYZER HDR
C1 0.1 uFd
C11 0.1 uFd
C14 0.1 uFd
C17 0.1 uFd
C22 0.1 uFd
C24 0.1 uFd
C28 0.1 uFd
C29 0.1 uFd
SP1 SOLDER PAD
SP2 SOLDER PAD
SP3 SOLDER PAD
SP4 SOLDER PAD
Bridge SP1-SP3 for Atapi use.
R32 4.7K
R33 4.7K
R35 33
R36 1K
R37 1K
R38 390
R39 1K
R43 4.7K
D3 DRIVE RDY
P7 ATA CONNECTOR
PCB: PDR-9317 PCA: 121-31700
CYPRESS SEMICONDUCTOR
Title FX2LP-18 DVK
Size C
Document Number REF-13466
Rev **
Date: Friday, June 16, 2006
Sheet 1 of 2



PCB: PDR-9317 PCA: 121-31700

CYPRESS SEMICONDUCTOR		
Title: FX2LP-18 DVK		
Size: C	Document Number: REF-13466	Rev: **
Date: Friday, June 16, 2006	Sheet 2 of 2	