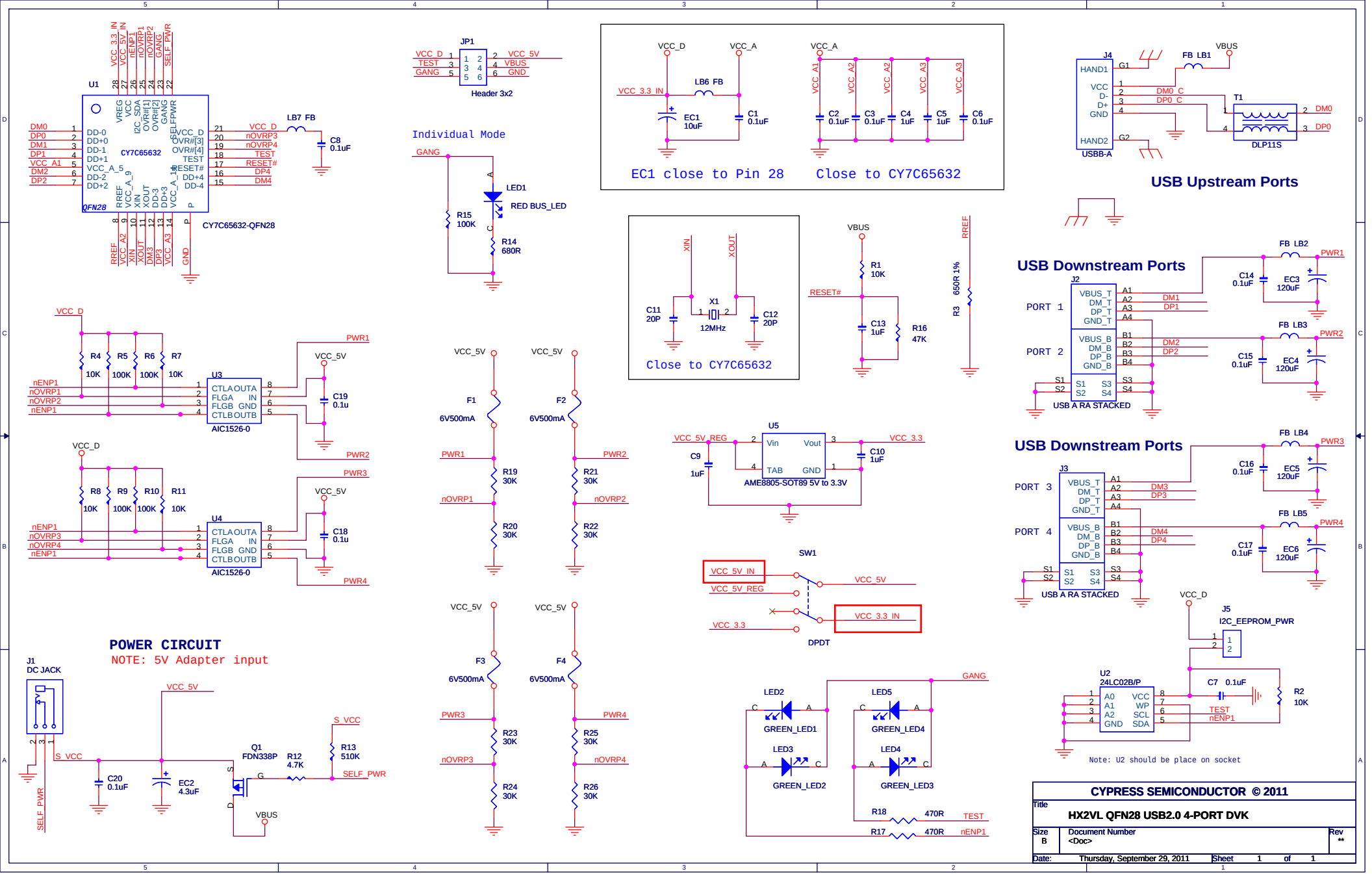

U1
CY7C65632
QFN28
CY7C65632-QFN28
LB7 FB
C8 0.1uF
JP1
Header 3x2
Individual Mode
GANG
LED1
RED BUS_LED
R15 100K
R14 680R
EC1 10uF
C1 0.1uF
LB6 FB
C2 0.1uF
C3 0.1uF
C4 1uF
C5 1uF
C6 0.1uF
EC1 close to Pin 28
Close to CY7C65632
X1
12MHz
C11 20P
C12 20P
Close to CY7C65632
R1 10K
R16 47K
C13 1uF
R3 650R 1%
J4
USBB-A
FB LB1
T1
DLP11S
USB Upstream Ports
USB Downstream Ports
J2
USB A RA STACKED
FB LB2
FB LB3
EC3 120uF
EC4 120uF
C14 0.1uF
C15 0.1uF
PORT 1
PORT 2
USB Downstream Ports
J3
USB A RA STACKED
FB LB4
FB LB5
EC5 120uF
EC6 120uF
C16 0.1uF
C17 0.1uF
PORT 3
PORT 4
U3
U4
AIC1526-0
R4 10K
R5 100K
R6 100K
R7 10K
R8 10K
R9 100K
R10 100K
R11 10K
C19 0.1u
C18 0.1u
F1 6V500mA
F2 6V500mA
F3 6V500mA
F4 6V500mA
R19 30K
R20 30K
R21 30K
R22 30K
R23 30K
R24 30K
R25 30K
R26 30K
U5
AME8805-SOT89 5V to 3.3V
C9 1uF
C10 1uF
SW1
DPDT
LED2
GREEN_LED1
LED3
GREEN_LED2
LED4
GREEN_LED3
LED5
GREEN_LED4
R18 470R
R17 470R
POWER CIRCUIT
NOTE: 5V Adapter input
J1
DC JACK
Q1
FDN338P
R12 4.7K
R13 510K
C20 0.1uF
EC2 4.3uF
J5
I2C_EEPROM_PWR
U2
24LC02B/P
C7 0.1uF
R2 10K
Note: U2 should be place on socket
CYPRESS SEMICONDUCTOR © 2011
HX2VL QFN28 USB2.0 4-PORT DVK
Size B
Document Number <Doc>
Rev **
Date: Thursday, September 29, 2011
Sheet 1 of 1