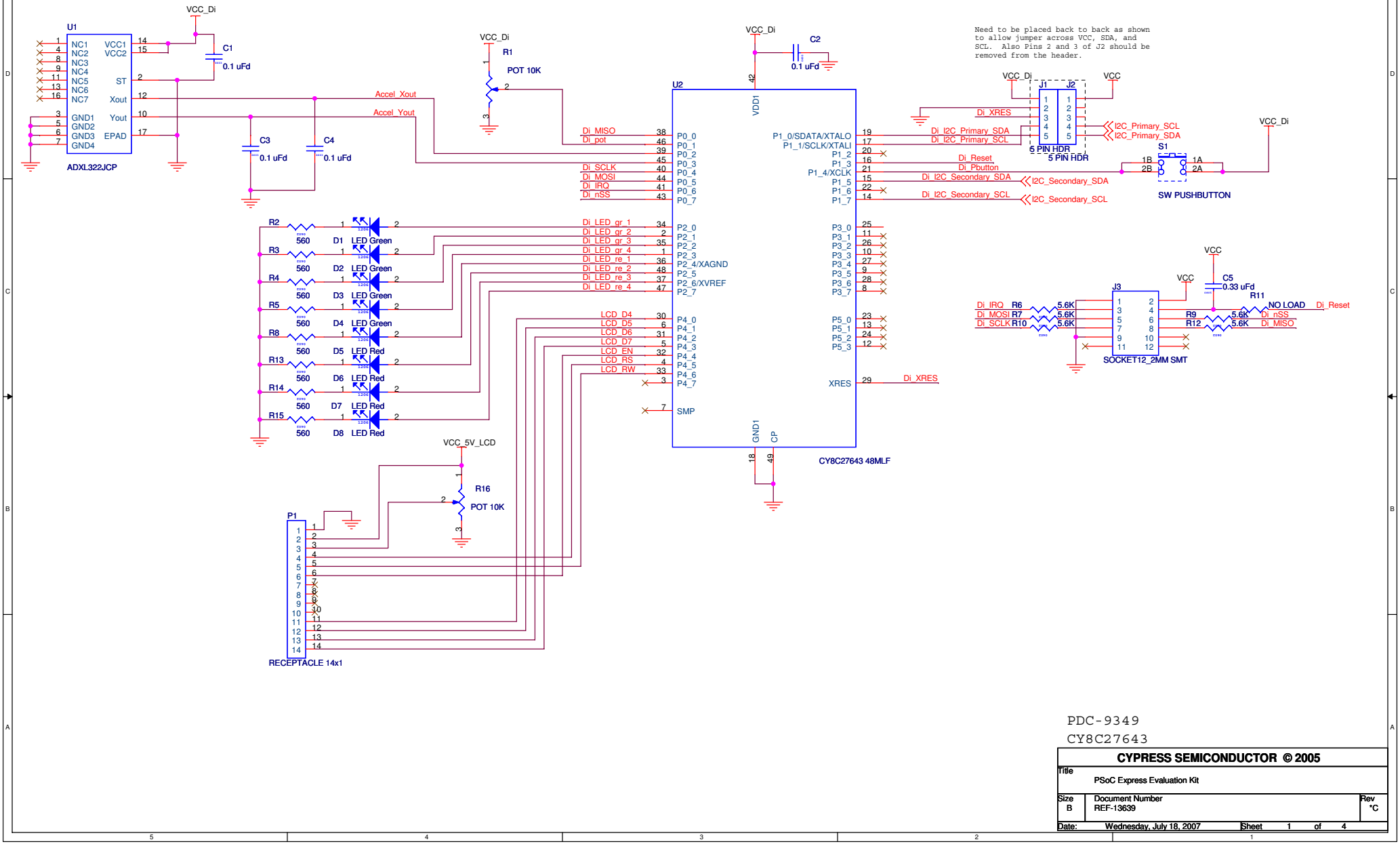
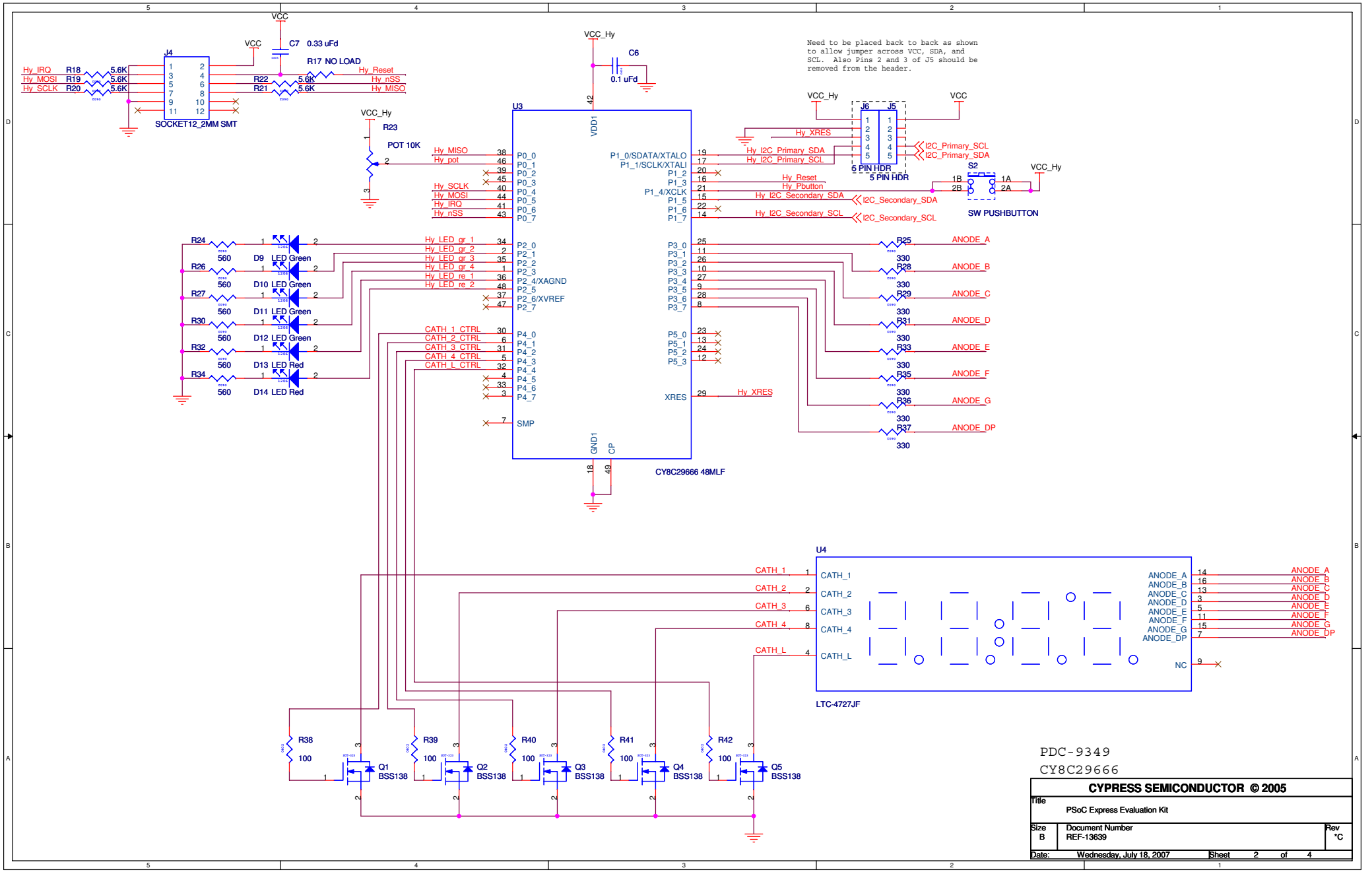
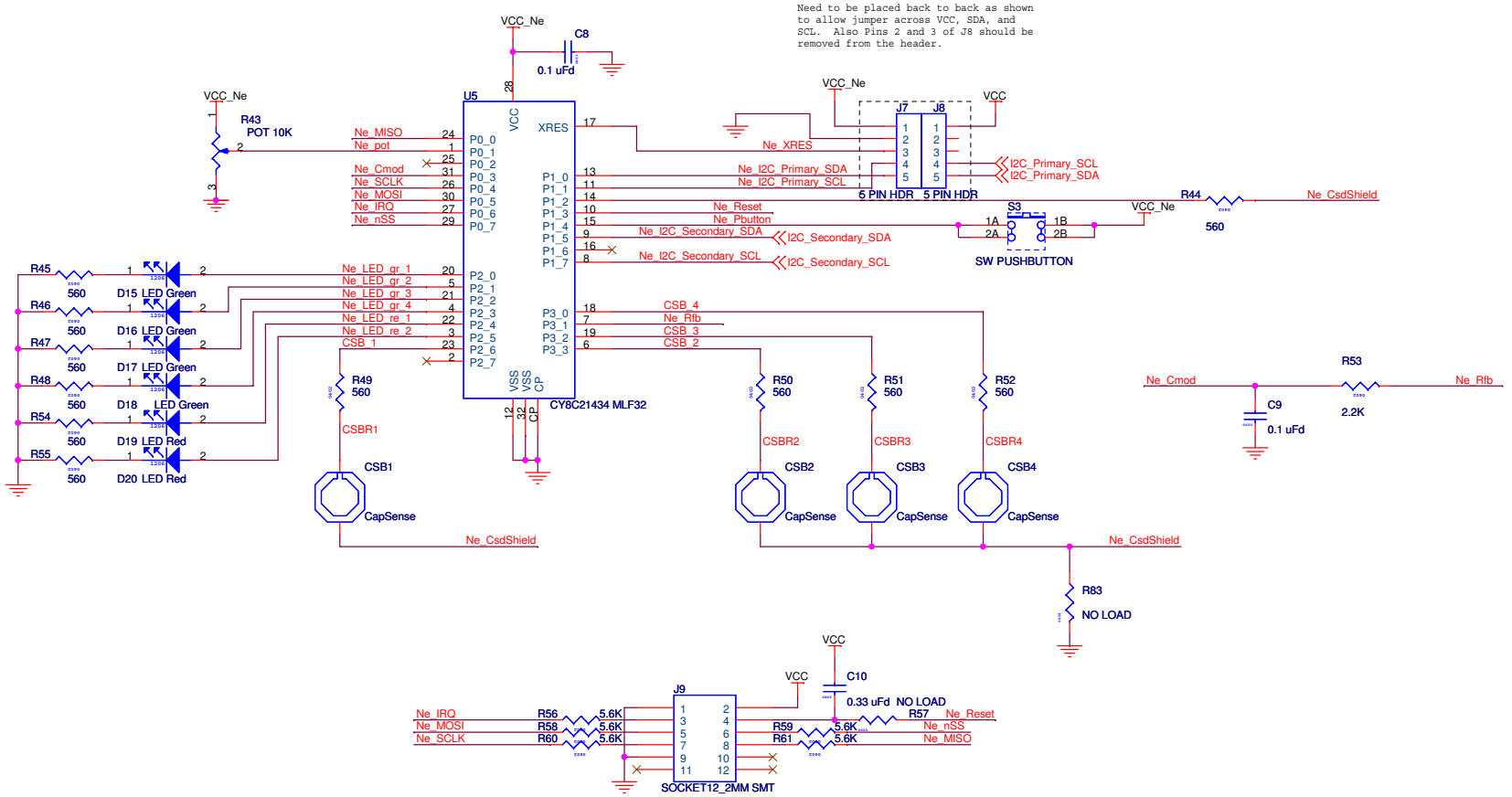


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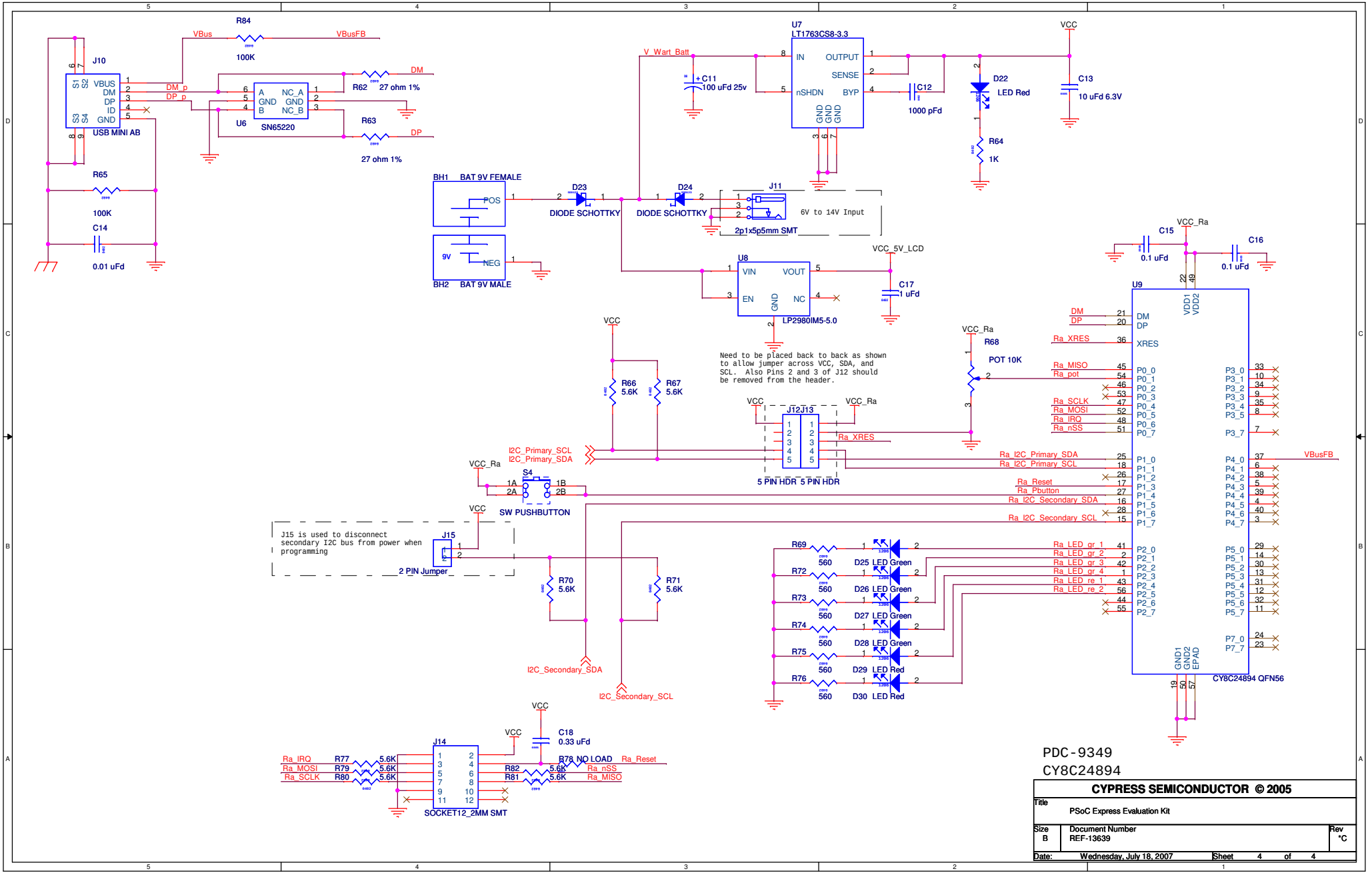

Need to be placed back to back as shown to allow jumper across VCC, SDA, and SCL. Also Pins 2 and 3 of J5 should be removed from the header.
SOCKET12_2MM SMT
POT 10K
CY8C29666 48MLF
SW PUSHBUTTON
5 PIN HDR
6 PIN HDR
LTC-4727JF
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J10
USB MINI AB
R84
100K
VBus
VBusFB
R62 27 ohm 1%
R63 27 ohm 1%
DM
DP
DM_p
DP_p
U6
SN65220
R65
100K
C14
0.01 uFd
U7
LT1763CS8-3.3
V_Wart_Batt
C11
100 uFd 25v
C12
1000 pFd
D22
LED Red
R64
1K
VCC
C13
10 uFd 6.3V
BH1 BAT 9V FEMALE
BH2 BAT 9V MALE
D23
DIODE SCHOTTKY
D24
DIODE SCHOTTKY
J11
6V to 14V Input
2p1x5p5mm SMT
U8
LP2980IM5-5.0
VCC_5V_LCD
C17
1 ufd
C15
0.1 uFd
C16
0.1 uFd
VCC_Ra
U9
CY8C24894 QFN56
R66
5.6K
R67
5.6K
R68
POT 10K
Need to be placed back to back as shown to allow jumper across VCC, SDA, and SCL. Also Pins 2 and 3 of J12 should be removed from the header.
J12J13
5 PIN HDR 5 PIN HDR
I2C_Primary_SCL
I2C_Primary_SDA
S4
SW PUSHBUTTON
J15 is used to disconnect secondary I2C bus from power when programming
J15
2 PIN Jumper
R70
5.6K
R71
5.6K
I2C_Secondary_SDA
I2C_Secondary_SCL
R69 560 D25 LED Green
R72 560 D26 LED Green
R73 560 D27 LED Green
R74 560 D28 LED Green
R75 560 D29 LED Red
R76 560 D30 LED Red
J14
SOCKET12_2MM SMT
R77 5.6K
R79 5.6K
R80 5.6K
R82 5.6K
R81 5.6K
R78 NO LOAD
C18
0.33 uFd
Ra_IRQ
Ra_MOSI
Ra_SCLK
Ra_nSS
Ra_MISO
Ra_Reset
Ra_XRES
Ra_pot
Ra_I2C_Primary_SDA
Ra_I2C_Primary_SCL
Ra_Reset
Ra_Pbutton
Ra_I2C_Secondary_SDA
Ra_I2C_Secondary_SCL
Ra_LED_gr_1
Ra_LED_gr_2
Ra_LED_gr_3
Ra_LED_gr_4
Ra_LED_re_1
Ra_LED_re_2
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