Cypress ACADEMY
PSoC-101

Arduino UNO   PSoC 4 Pioneer Kit   Digilent Pmod
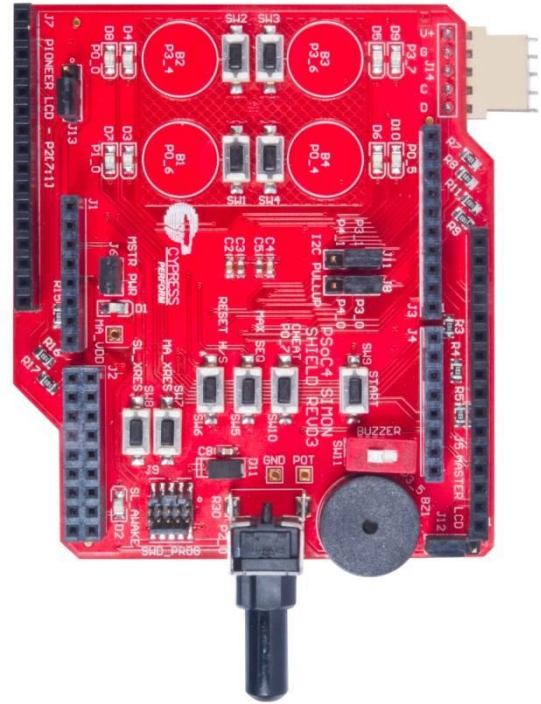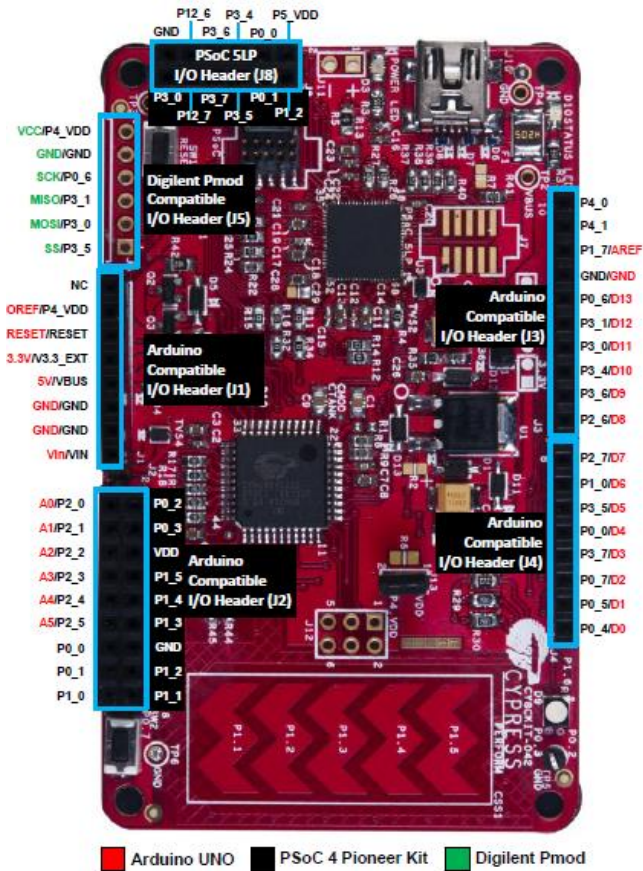
DESIGN THE WAY YOU THINK
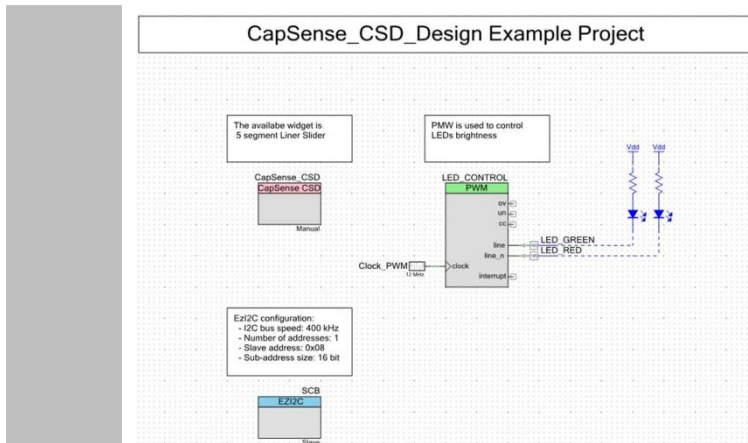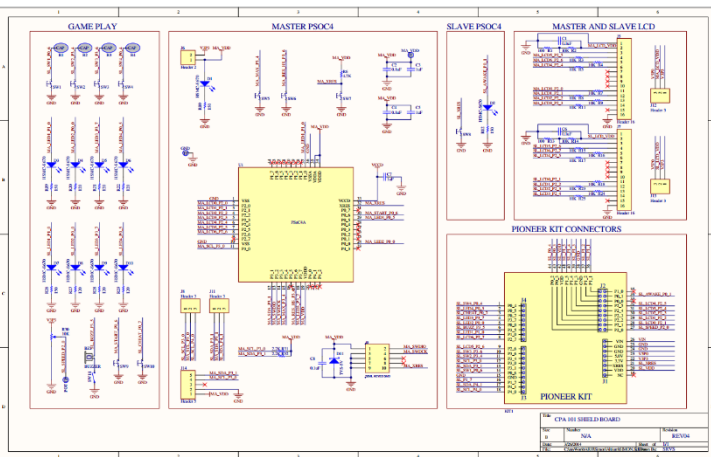
Shield Resources

PSoC 4 Pioneer Pin	Shield Connection	Function
P0[6]	SW1 and Capsense 1	Button 1
P3[4]	SW2 and Capsense 2	Button 2
P3[6]	SW3 and Capsense 3	Button 3
P0[4]	SW4 and Capsense 4	Button 4
P0[7]	SW10	Button "CHEAT"
P1[0]	D7	LED 1
P0[0]	D8	LED 2
P3[7]	D9	LED 3
P0[5]	D10	LED 4
P0[1]	D2	LED "AWAKE"
P2[0]	R30	Potentiometer (POT)
P3[5]	BZ1	Buzzer
P3[0]	I2C SCL	I2C Clock
P3[1]	I2C SDA	I2C Data
P2[7:1]	LCD	LCD
P4[2]	None	Capsense CMOD

Pioneer Board Resources

PSoC 4 Pioneer Pin	Onboard Connection
P1[6]	Red LED
P0[2]	Green LED
P0[3]	Blue LED
P0[7]	Button SW2
P1[5:1]	Capsense Slider
P4[2]	Capsense CMOD
P3[0]	I2C Bridge SCL
P3[1]	I2C Bridge SDA
P4[0]	2.2K pullup resistor
P4[1]	2.2K pullup resistor
P3[2]	SWDIO (programming)
P3[3]	SWDCK (programming)

Why does my design not work?
Did you remember to…

1) Set the pins?
2) Start the components?
3) Set the correct active workspace?
4) Program the board?