

MSP430F2013 PIR Demo BOM

Part	Value	Part Number	Vendor	Package	Description
B1	CR-2032	N189-ND	Digikey: www.digikey.com	20mm	3V Li-Ion Battery
	Holder	1066K-ND	Digikey	PCB mount	3V Li-Ion Battery Holder
C1	1uF	490-1692-1-ND	Digikey	0805	Capacitor
C2	10uF	PCC2182CT-ND	Digikey	0805	Capacitor
C3	0.1uF	490-1683-1-ND	Digikey	0805	Capacitor
C4	470nF	PCC1847CT-ND	Digikey	0805	Capacitor
LED1	LED	L62411CT-ND	Digikey	0805	Red LED
PIR	PIR325	PIR325	GloLab: www.gloLab.com	0805	Passive infrared sensor
	Lens	BB052	Electronics123: www.electronics123.com	PCB	Fresnel lens for sensor
PWR	2-pin	generic header		0.1" Thru-hole	Power header & jumper
R1	1k	P1.0KACT-ND	Digikey	0805	Resistor
R2	100k	P100KACT-ND	Digikey	0805	Resistor
R3	100k	P100KACT-ND	Digikey	0805	Resistor
R4	100k	P100KACT-ND	Digikey	0805	Resistor
R5	1k	P1.0KACT-ND	Digikey	0805	Resistor
SBW_JTAG	14-pin	A26269-ND	Digikey	0.1" Thru-hole	14-pin JTAG header
SW1	Switch	P8087SCT-ND	Digikey	SMT	Momentary-on pushbutton switch
U1	MCU	MSP430F2013IPW	Texas Instruments: www.msp430.com	PW14	MSP430 MCU