

## Bill of Materials

Part Name/Description	Unit Qty	Extras	Unit Cost	Total Cost	Manufacturer
.33uF Ceramic Capacitor, Capacitor Assortment	1	0	\$0.00	\$0.00	TAODAN
.1uF Ceramic Capacitor	2	0	\$0.00	\$0.00	Vishay Beyschlag
Blue LED, Electronics Starter Kit	1	0	\$0.00	\$0.00	WWZMDiB
1A Fuse	1	0	\$0.00	\$0.00	SCHURTER Inc.
8-pin Connector	1	0	\$0.00	\$0.00	Assmann WSW Components
1-pin Header Test Point, Electronics Starter Kit	4	0	\$0.00	\$0.00	WWZMDiB
6-pin Header, Electronics Starter Kit	1	0	\$0.00	\$0.00	WWZMDiB
Barrel Jack Switch	1	0	\$0.00	\$0.00	Same Sky
PIC18F47Q10 Curiosity Nano Evaluation Kit	1	0	\$0.00	\$0.00	Microchip Technology
220ohm Resistor, Resistor Kit	2	0	\$0.00	\$0.00	LuminologyPro
2kohm Resistor, Resistor Kit	2	0	\$0.00	\$0.00	LuminologyPro
1kohm Resistor, Resistor Kit	1	0	\$0.00	\$0.00	LuminologyPro
100kohm Resistor, Resistor Kit	2	0	\$0.00	\$0.00	LuminologyPro
220kohm Resistor, Resistor Kit	2	0	\$0.00	\$0.00	LuminologyPro
10kohm Resistor, Resistor Kit	2	0	\$0.00	\$0.00	LuminologyPro
IR Reflective Sensor, 5V	2	1	\$4.61	\$9.22	TT Electronics
Gravity Pressure Sensor, 5V	2	1	\$15.90	\$31.80	DFRobot
Pushbutton Switch, Electronics Starter Kit	1	0	\$0.00	\$0.00	WWZMDiB
Quad Op-Amp	1	0	\$0.00	\$0.00	Microchip Technology
5V Voltage Regulator, 1A	1	0	\$0.00	\$0.00	STMicroelectronics
<b>Total:</b>				<b>\$41.02</b>	

Manufacturer Part #	Vendor	Vendor Part #	Datasheet	Schematic Designator
B0CCP3FFZX	PRLTA 109	N/A	<a href="https://www">https://www</a>	C1
K104K10X7RF5UH5	PRLTA 109	N/A	<a href="https://www">https://www</a>	C2,C3
B0B2HVCDJH	PRLTA 109	N/A	<a href="https://www">https://www</a>	D1
#0034.1515	PRLTA 109	N/A	<a href="https://www">https://www</a>	F1
A 08-LC-TT	PRLTA 109	N/A	<a href="https://www">https://www</a>	J1
B0B2HVCDJH	PRLTA 109	N/A	<a href="https://www">https://www</a>	J2,J3,J4,J5
B0B2HVCDJH	PRLTA 109	N/A	<a href="https://www">https://www</a>	J6
PJ-102AH	PRLTA 109	N/A	<a href="https://www">https://www</a>	J8
DM182029	PRLTA 109	N/A	<a href="https://www">https://www</a>	P1
B0F4P352BB	PRLTA 109	N/A	<a href="https://www">https://www</a>	R1,R11
B0F4P352BB	PRLTA 109	N/A	<a href="https://www">https://www</a>	R2,R3
B0F4P352BB	PRLTA 109	N/A	<a href="https://www">https://www</a>	R4
B0F4P352BB	PRLTA 109	N/A	<a href="https://www">https://www</a>	R5,R7
B0F4P352BB	PRLTA 109	N/A	<a href="https://www">https://www</a>	R6,R8
B0F4P352BB	PRLTA 109	N/A	<a href="https://www">https://www</a>	R10,RV1
OPB732	Digikey	N/A	<a href="https://www">https://www</a>	S1
SEN0257	DFRobot	SEN0257	<a href="https://wiki">https://wiki</a>	S2
B0B2HVCDJH	PRLTA 109	N/A	<a href="https://www">https://www</a>	SW1
MCP6004-I/P	PRLTA 109	N/A	<a href="https://www">https://www</a>	U1
L7805CV	PRLTA 109	N/A	<a href="https://www">https://www</a>	U2