

Bill of Materials Example																			
Part Name/Description	Unit	Quantity	Unit	Prototype Co.	Total Prototype Co.	Unit	Production Co.	Total Production Co.	Manufacturer	Manufacturer Part #	Vendor Link	Datasheet Link	Supplier	Supplier Part #	# Orders	Date Ordered	# Received	Surplus	Schematic Reference Designators
F3169CT-ND - Cut Tape (CT)-Fuse	1	\$1.17	\$1.17	\$1.17	\$1.17	\$1.17	\$1.17	\$1.17	Littlefuse Inc.	FUSE BRD MNT 1A 125VAC/VDC AXIAL	<a href="#">Fuse</a>	<a href="#">Fuse Data</a>	Digikey	F3169CT-ND - Cut Tape (CT)	1	10/31/2025	1	0	F1
S9339-ND- Jumper	5	\$0.10	\$0.50	\$0.10	\$0.50	\$0.50	\$0.50	\$0.50	Sullins Connector Solutions	SPN02SXCN-RC	<a href="#">Jumper</a>	<a href="#">Jumper Data</a>	Digikey	S9339-ND	5	10/31/2025	5	0	JP1, JP2, JP3, JP4, JP5
17-215570-8CT-ND- Ribbon Connector	1	\$0.81	\$0.81	\$0.81	\$0.81	\$0.81	\$0.81	\$0.81	TE Connectivity AMP Connectors Microchip Technology	215570-8	<a href="#">Connector</a>	<a href="#">Connector Data</a>	Digikey	17-215570-8CT-ND - Cut Tape (CT)	1	10/31/2025	1	0	J1
LM2575-5.0WT Voltage Converter	1	\$1.72	\$1.72	\$1.72	\$1.72	\$1.72	\$1.72	\$1.72	Microchip Technology	LM2575-5.0WT	<a href="#">Voltage Converter</a>	<a href="#">Voltage Converter Data</a>	Digikey	576-1516-5-ND	1	10/31/2025	1	0	U3
MCP6022-I/P-ND- Op-Amp	1	\$1.86	\$1.86	\$1.86	\$1.86	\$1.86	\$1.86	\$1.86	MCP6022-I/P	<a href="#">Op-Amp</a>	<a href="#">Op-Amp Data</a>	Digikey	MCP6022-I/P-ND	1	10/31/2025	1	0	U2A, U2B, U2C	
Barrel Jack	1	\$0.76	\$0.76	\$0.76	\$0.76	\$0.76	\$0.76	\$0.76	Same Sky (Formerly CUI Devices)	PJ-102AH	<a href="#">Barrel Jack</a>	<a href="#">Barrel Jack Data</a>	Digikey	PJ-102AH	1	10/31/2025	1	0	J2
LED Diode	1	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	Würth Elektronik	151051RS11000	<a href="#">LED</a>	<a href="#">LED Data</a>	Digikey	151051RS11000	1	10/31/2025	1	0	D1
10uF Capacitor	2	\$0.26	\$0.52	\$0.26	\$0.26	\$0.26	\$0.26	\$0.26	Components	ECA-1HHG100B	<a href="#">10uF Cap</a>	<a href="#">10uF Cap Data</a>	Digikey	ECA-1HHG100B	2	10/31/2025	2	0	C1, C3
0.1 uF Capacitor	3	\$0.87	\$2.61	\$0.87	\$0.87	\$2.61	\$0.87	\$2.61	KEMET	C322C104K5R5TA	<a href="#">0.1uF Cap</a>	<a href="#">0.1uF Cap Data</a>	Digikey	399-4329-ND	3	10/31/2025	3	0	C4, C5
100 uF Capacitor	2	\$0.26	\$0.52	\$0.26	\$0.26	\$0.26	\$0.26	\$0.26	Components	ECA-1CHG101I	<a href="#">100uF Cap</a>	<a href="#">100uF Cap Data</a>	Digikey	ECA-1CHG101I	1	10/31/2025	1	0	C6
100 kOhm Resistor	1	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	YAGEO	MFR25SFBE52-100K	<a href="#">100 kOhm Resistor</a>	<a href="#">100 kOhm Resistor Data</a>	Digikey	13-MFR25SFBE52-100K-ND MFR-25FTF52-1K	1	10/31/2025	1	0	R1
1 kOhm Resistor	3	\$0.10	\$0.30	\$0.10	\$0.10	\$0.30	\$0.10	\$0.30	YAGEO	MFR-25FTF52-1K	<a href="#">1 kOhm Resistor</a>	<a href="#">1 kOhm Resistor Data</a>	Digikey	399-4329-ND	3	10/31/2025	3	0	R2, R3, R4
PIC18F57Q10 Curiosity Nano Board	1	\$10.19	\$10.19	\$10.19	\$10.19	\$10.19	\$10.19	\$10.19	Microchip Technology	DM164150	<a href="#">Microcontroller</a>	<a href="#">Microcontroller Data</a>	Digikey	150-DM164150-ND	1	10/31/2025	1	0	PIC1J1
Probe Node Printed on PCB	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Peralta Hall	N/A	N/A	N/A	Digikey	13-MFR-25FRF52-200R	1	10/31/2025	1	0	ProbeNodeJ1
200 Ohm Resistor	1	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	YAGEO	MFR-25FRF52-200R	<a href="#">200 Ohm</a>	<a href="#">200 Ohm Data</a>	Digikey	200RCT-ND	0	N/A	0	0	R5
AIUR-06-331K Inductor	1	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	Abraccon LLC	AIUR-06-331K	<a href="#">Inductor</a>	<a href="#">Inductor Data</a>	Digikey	AIUR-06-331K-ND	1	10/31/2025	1	0	L1
330uF Capacitor	1	\$0.54	\$0.54	\$0.54	\$0.54	\$0.54	\$0.54	\$0.54	Rubycon	25ZLS330MEFC8X11.5	<a href="#">330uF Cap</a>	<a href="#">330uF Cap Data</a>	Digikey	1189-2582-ND	1	10/31/2025	1	0	C2
1N5819-E3/54 Schottky Diode	1	\$0.29	\$0.29	\$0.29	\$0.29	\$0.29	\$0.29	\$0.29	Vishay General Semiconductor - Diodes Division	1N5819-E3/54	<a href="#">Schottky Diode</a>	<a href="#">Schottky Diode Data</a>	Digikey	1N5819-E3/54GICT-ND	1	10/31/2025	1	0	D2