

**BoM, for kit building assembly**

ref	value	Vendor	Vendor P/N	NOTE 2	MODULE	QTY	RATE	AMOUNT
C5	100n	<a href="#">DigiKey</a>	490-1734-1-ND	Decoupling Capacitor	c_0805	1	0.12	0.12
D1	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D2	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D3	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D4	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D5	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D6	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D7	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D8	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D9	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D10	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D11	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D12	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D13	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D14	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D15	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
D16	LED	<a href="#">DigiKey</a>	1080-1235-1-ND	LED, SMD, 20mA, 2400mcd	d_1206	1	0.37	0.37
P1	CONN_1	--	--	Mounting Hole	vite_3mm	0	0.00	0.00
P2	CONN_1	<a href="#">DigiKey</a>	609-3465-ND	connects to R33 on C3Jr_v2	Pad01	1	0.03	0.03
P3	CONN_1	--	--	Mounting Hole	vite_3mm	0	0.00	0.00
P4	CONN_1	--	--	Mounting Hole	vite_3mm	0	0.00	0.00
P5	DC_IN_1	<a href="#">DigiKey</a>	609-3465-ND	connects to Proto area [+] and [-] on C3Jr_ pin_strip_2		1	0.06	0.06
P6	DC_IN_2	<a href="#">DigiKey</a>	609-3465-ND	not required / optional	pin_strip_3	0	0.00	0.00
P7	DIL6	--	--	--	PROTO-6	0	0.00	0.00
P8	DIL6	--	--	--	PROTO-6	0	0.00	0.00
P9	DIL6	--	--	--	PROTO-6	0	0.00	0.00
Q1	PBSS9110Z	<a href="#">DigiKey</a>	568-6798-1-ND	Transistor, PNP, SMD	sot223	1	0.44	0.44
R1	47E	<a href="#">DigiKey</a>	311-47.0CRCT-ND	Resistor, SMD, 0805	r_0805	1	0.02	0.02
R2	47E	<a href="#">DigiKey</a>	311-47.0CRCT-ND	Resistor, SMD, 0805	r_0805	1	0.02	0.02

R3	47E	<a href="#">DigiKey</a>	311-47.0CRCT-ND	Resistor, SMD, 0805	r_0805	1	0.02	0.02
R4	47E	<a href="#">DigiKey</a>	311-47.0CRCT-ND	Resistor, SMD, 0805	r_0805	1	0.02	0.02
R5	47E	<a href="#">DigiKey</a>	311-47.0CRCT-ND	Resistor, SMD, 0805	r_0805	1	0.02	0.02
R6	47E	<a href="#">DigiKey</a>	311-47.0CRCT-ND	Resistor, SMD, 0805	r_0805	1	0.02	0.02
R7	47E	<a href="#">DigiKey</a>	311-47.0CRCT-ND	Resistor, SMD, 0805	r_0805	1	0.02	0.02
R8	47E	<a href="#">DigiKey</a>	311-47.0CRCT-ND	Resistor, SMD, 0805	r_0805	1	0.02	0.02
R9	1k	<a href="#">DigiKey</a>	RMCF0805JT1K00CT-ND	Resistor, SMD, 0805	r_0805	1	0.03	0.03
SP1	SPEAKER	<a href="#">DigiKey</a>	609-3465-ND	not required / optional	pin_strip_2	0	0.00	0.00

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NOT USED COMPONENTS

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MISC. COMPONENTS

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GRAND TOTAL	6.74
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