

KiBoM PCB Bill of Materials

Source File	C:/Users/Wesley/Desktop/EEC 134/Lab-1-PCB/Lab-1-PCB.sch
BoM Date	10/29/2017 6:10:31 AM
Schematic Version	
Schematic Date	
KiCad Version	Eeschema 4.0.7
Component Groups	23
Component Count (per PCB)	31
Fitted Components (per PCB)	31
Number of PCBs	1
Total Component Count (for 1 PCBs)	31

Component Groups

Kicad Fields (default)

Generated Fields

User Fields

Empty Fields

	Description	Part	References	Value	Footprint	Quantity Per PCB	Datasheet
1	Unpolarized capacitor	C	C1 C3	0.1u	C_0805_HandSoldering	2	
2	Unpolarized capacitor	C	C6 C7 C8 C9	1n	C_0805_HandSoldering	4	
3	Unpolarized capacitor	C	C2 C4 C5	1u	C_0805_HandSoldering	3	
4	Resistor	R	R15	1.62k	R_0805_HandSoldering	1	
5	Resistor	R	R8	102k	R_0805_HandSoldering	1	
6	Resistor	R	R4	10k	R_0805_HandSoldering	1	
7	Resistor	R	R10	12.1k	R_0805_HandSoldering	1	
8	Resistor	R	R14	17.4k	R_0805_HandSoldering	1	
9	Resistor	R	R11 R16	1k	R_0805_HandSoldering	2	
10	Resistor	R	R17	20k	R_0805_HandSoldering	1	
11	Potentiometer	POT	R6	20k	CT-94EW	1	https://www.nidec-copal-electronics.com/e/catalog/trimmer/ct-94.pdf
12	Resistor	R	R1 R5	220	R_0805_HandSoldering	2	
13	Resistor	R	R12	28k	R_0805_HandSoldering	1	
14	Potentiometer	POT	R2	2K	CT-94EW	1	https://www.nidec-copal-electronics.com/e/catalog/trimmer/ct-94.pdf
15	Resistor	R	R3	3.6k	R_0805_HandSoldering	1	
16	Resistor	R	R13	4.12k	R_0805_HandSoldering	1	
17	Resistor	R	R9	7.15k	R_0805_HandSoldering	1	
18	Resistor	R	R7	8.45k	R_0805_HandSoldering	1	
19		LM317	U2	LM317	LM317	1	http://www.ti.com/lit/ds/symlink/lm317.pdf
20		LT1009	U3	LT1009	LT1009	1	http://cds.linear.com/docs/en/datasheet/1009ff.pdf
21		MCP_4921	U4	MCP_4921	MCP_4921	1	http://ww1.microchip.com/downloads/en/devicedoc/21897b.pdf
22		TL974	U5	TL974	TL974	1	http://www.ti.com/lit/ds/symlink/tl974.pdf
23		Teensy3.2	U1	Teensy3.2	Teensy3.2	1	https://www.pjrc.com/teensy/K20P64M72SF1.pdf
24		5001TestPoint	U0	Vcc	Test_Point_Keystone_5000-5004_Miniature	1	http://datasheet.octopart.com/5001-Keystone-datasheet-7268890.pdf
25		5001TestPoint	U6	Output	Test_Point_Keystone_5000-5004_Miniature	1	http://datasheet.octopart.com/5001-Keystone-datasheet-7268890.pdf
26		5001TestPoint	U7	GND	Test_Point_Keystone_5000-5004_Miniature	1	http://datasheet.octopart.com/5001-Keystone-datasheet-7268890.pdf
27		5001TestPoint	U8	+5V	Test_Point_Keystone_5000-5004_Miniature	1	http://datasheet.octopart.com/5001-Keystone-datasheet-7268890.pdf
28		5001TestPoint	U9	+2.5V	Test_Point_Keystone_5000-5004_Miniature	1	http://datasheet.octopart.com/5001-Keystone-datasheet-7268890.pdf