

# Bill of Materials: PedalBoi\_Schematic\_2.fzz

/Users/elijahrou/Documents/PedalBoi\_Schematic\_2.fzz

Friday, December 18 2020, 15:53:46

## Assembly List

Label	Part Type	Properties
Current Protection	Diode	variant hv; package diode-hv
DC Input	DC Power	voltage 15; type dc power supply
Foot Switch	NKK M2032SS1W01 3PDT Toggle Switch	switching circuit 3PDT; variant Solder ligs, can be board mounted or through hole; package THT; part # EG5491
Input Bias R	2M $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 2M $\Omega$ ; package 0805 [SMD]
Input Buffer/Audio Bias	Dual Op-Amp	channels dual; package dip08; part # MCP6002
Input C1	Electrolytic Capacitor	voltage 6.3V; capacitance 10 $\mu$ F; package 0405 [SMD, electrolytic]
Input C2	Electrolytic Capacitor	voltage 6.3V; capacitance 1 $\mu$ F; package 0405 [SMD, electrolytic]
Input C3	Ceramic Capacitor	voltage 6.3V; capacitance 100nF; package 100 mil [THT, multilayer]
Input C4	Ceramic Capacitor	voltage 6.3V; capacitance 100nF; package 100 mil [THT, multilayer]
Input Jack	1/4 inch mono jack	size 6.3mm; variant variant 1; package audio-jack-6.5mm-panel-mount; part # 2223-SJ-63062B
Input R1	2M $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 2M $\Omega$ ; package 0805 [SMD]
Input R2	100k $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 100k $\Omega$ ; package 0805 [SMD]
Input R3	100k $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 100k $\Omega$ ; package 0805 [SMD]
LED	Red (633nm) LED	color Red (633nm); package 0805 [SMD]
LED R	100k $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 100k $\Omega$ ; package 0805 [SMD]
Ouput Buffer	Dual Op-Amp	channels dual; package dip08; part # NJM4580D

Ouput C1	Electrolytic Capacitor	voltage 6.3V; capacitance 10 $\mu$ F; package 0405 [SMD, electrolytic]
Ouput R2	2M $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 2M $\Omega$ ; package 0805 [SMD]
Output C2	Ceramic Capacitor	voltage 6.3V; capacitance 100nF; package 100 mil [THT, multilayer]
Output C3	Ceramic Capacitor	voltage 6.3V; capacitance 100nF; package 100 mil [THT, multilayer]
Output C4	Electrolytic Capacitor	voltage 6.3V; capacitance 10 $\mu$ F; package 0405 [SMD, electrolytic]
Output Jack	1/4 inch mono jack	size 6.3mm; variant variant 1; package audio-jack-6.5mm-panel-mount; part # 2223-SJ-63062B
Output R1	2M $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 2M $\Omega$ ; package 0805 [SMD]
Output R3	110 $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 110 $\Omega$ ; package 1206 [SMD]
Output R4	2M $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 2M $\Omega$ ; package 0805 [SMD]
Seed	IC	editable pin labels false; pins 40; variant variant 4; pin spacing 100mil; chip label IC; package DIP (Dual Inline) [THT]; hole size 1.0mm,0.508mm

## Shopping List

Amount	Part Type	Properties
1	Diode	variant hv; package diode-hv
1	DC Power	voltage 15; type dc power supply
1	NKK M2032SS1W01 3PDT Toggle Switch	switching circuit 3PDT; variant Solder ligs, can be board mounted or through hole; package THT; part # EG5491
5	2M $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 2M $\Omega$ ; package 0805 [SMD]
1	Dual Op-Amp	channels dual; package dip08; part # MCP6002
3	Electrolytic Capacitor	voltage 6.3V; capacitance 10 $\mu$ F; package 0405 [SMD, electrolytic]
1	Electrolytic Capacitor	voltage 6.3V; capacitance 1 $\mu$ F; package 0405 [SMD, electrolytic]
4	Ceramic Capacitor	voltage 6.3V; capacitance 100nF; package 100 mil [THT, multilayer]
2	1/4 inch mono jack	size 6.3mm; variant variant 1; package audio-jack-6.5mm-panel-mount; part # 2223-SJ-63062B
3	100k $\Omega$ Resistor	tolerance $\pm 5\%$ ; resistance 100k $\Omega$ ; package 0805 [SMD]

1	Red (633nm) LED	color Red (633nm); package 0805 [SMD]
1	Dual Op-Amp	channels dual; package dip08; part # NJM4580D
1	110Ω Resistor	tolerance ±5%; resistance 110Ω; package 1206 [SMD]
1	IC	editable pin labels false; pins 40; variant variant 4; pin spacing 100mil; chip label IC; package DIP (Dual Inline) [THT]; hole size 1.0mm,0.508mm

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