

Bill Of Materials for SterereO - Stereo Output Mixer

Design Title SterereO - Stereo Output Mixer
Author Dustin Stroh J3RK
Document Number
Revision 1.1
Design Created Friday, March 31, 2023
Design Last Modified Friday, March 31, 2023
Total Parts In Design 76

0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
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Sub-totals:

12 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
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6	C1-C2,C7-C10	22uF	CAP10	X7R Ceramic / Film / Audio Grade Electrolytic
4	C3-C6	10pF	CAP10	C0G/NP0 MLCC / Ceramic / Film
2	C11-C12	22pF	CAP10	C0G/NP0 MLCC / Ceramic / Film

Sub-totals:

22 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
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8	R1-R8	10k	RES40	1% Resistor (50PPM / 100PPM)
8	R9-R16	1k	RES40	1% Resistor (50PPM / 100PPM)
4	R17-R20	100K	RES40	1% Resistor (50PPM / 100PPM)
2	R21-R22	4.99K	RES40	1% Resistor (50PPM / 100PPM)

Sub-totals:

7 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
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3	U1-U2,U7	OPA2132U	SO8	Use quality audio op amps. OPA1656 / AD8034 / LME49720 / OPA2134 / etc.
4	U3-U6	BUF634U	SOIC127P600X173-8	Buffer / Driver IC.

Sub-totals:

0 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
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Sub-totals:

0 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
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Sub-totals:

35 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Notes</u>
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18	BP1-BP18	100nF	0805	Decoupling / Bypass 0805 Capacitors C0G/NP0
2	FB1-FB2	0R	RES40	Ferrite Beads
6	IN1-IN2,LINLEFT,LINERIGHT, PHONESLEFT,PHONESRIGHT	CONN-SIL1	CONN-SIL1	SIL Pads on PCB. No component required.
4	INLVL1-INLVL2,PAN1-PAN2	10k	CONN-SIL3	Panel Pots - Log for Input Level and Linear for Pan.
1	J1	SIL-156-04	SIL-156-04	MTA-156 Friction Lock Power Header
2	PF1-PF2	10uF	ELEC-RAD13	Electrolytic Power Filtering Capacitors
2	PHONES-DUAL-1-PHONES-DUAL-2	10K	CONN-SIL3	Dual Gang Headphone Level Pot (Log)

Sub-totals:

Totals:

Friday, March 31, 2023 2:24:21 PM