

Bill Of Materials for MIX-O-TRON

Design Title	MIX-O-TRON
Author	Dustin J3RK Stroh
Document Number	
Revision	3.1
Design Created	Thursday, February 1, 2024
Design Last Modified	Thursday, February 1, 2024
Total Parts In Design	128

0 Modules

Quantity	References	Value	PCB Package	Notes
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Sub-totals:

18 Capacitors

Quantity	References	Value	PCB Package	Notes
4	C1, C4, C7, C10	1nF	CAP20	
4	C2, C5, C8, C11	10uF	CAP10	
4	C3, C6, C9, C12	100nF	CAP10	
1	C13	47pF	CAP10	
1	C14	22pF	CAP10	
4	C15-C18	22uF	CAP10	

Sub-totals:

44 Resistors

Quantity	References	Value	PCB Package	Notes
4	R1, R11, R20, R29	150K	RES40	
8	R2, R9, R12, R18, R21, R27, R30, R36	4.99K	RES40	
4	R3, R13, R22, R31	390K	RES40	
5	R4, R7, R14, R23, R32	100R	RES40	
8	R5-R6, R15-R16, R24-R25, R33-R34	100k	RES40	
4	R8, R17, R26, R35	330K	RES40	
4	R10, R19, R28, R37	680	RES40	
4	R38-R41	22K	RES40	
2	R42, R44	10K	RES40	
1	R43	33K	RES40	

Sub-totals:

5 Integrated Circuits

Quantity	References	Value	PCB Package	Notes
5	U1-U5	TL072	SO8	

Sub-totals:

4 Transistors

Quantity	References	Value	PCB Package	Notes
4	Q1-Q4	2N3904	TO92	

Sub-totals:

4 Diodes

Quantity	References	Value	PCB Package	Notes
4	D1-D4	DIODE	DIODE30	

Sub-totals:

53 Miscellaneous

Quantity	References	Value	PCB Package	Notes
13	0V, CV1-CV4, SI1-SI4, SO1-SO4	CONN-SIL1	CONN-SIL1	
10	BP1-BP10	100nF	CAP10	
4	CVL1-CVL4	100k	CONN-SIL3	
2	FB01-FB02	0R	RES40	
1	J1	SIL-156-04	SIL-156-04	
4	LDR1-LDR4	LDR	CONN-SIL2	

8	LED1-LED8	LED-YELLOW	LED
1	MO	MO	CONN-SIL1
4	OFF1-OFF4	100K	CONN-SIL3
2	PF1-PF2	10uF	ELEC-RAD10
4	SW1-SW4	SW-SPST	CONN-SIL2

Sub-totals:

Totals:

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