

Bill Of Materials for fgen8038_OPAMP_sch

Design Title fgen8038_OPAMP_sch
Author
Document Number
Revision
Design Created 25 марта 2026 г.
Design Last Modified 26 марта 2026 г.
Total Parts In Design 57

0 Modules

Quantity	References	Value	description
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Sub-totals:

22 Capacitors

Quantity	References	Value	description
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1	C1	10uF	Capacitor SMD1206 1%
1	C2	100n	Capacitor SMD1206 1%
1	C3	47nF	Capacitor SMD1206 1%
1	C4	4N7	Capacitor SMD1206 1%
1	C5	10n	Capacitor SMD1206 1%
1	C6	470pF	Capacitor SMD1206 1%
14	C7,C9-C17,C19-C22	1u	Capacitor SMD1206 1%
2	C8,C18	10u	Capacitor Electrol. SMC-C

Sub-totals:

11 Resistors

Quantity	References	Value	description
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2	R1-R2	2.2k	Resistor SMD1206 1%
4	R3-R4,R6-R7	10K	Resistor SMD1206 1%
1	R5	22K	Resistor SMD1206 1%
4	R8-R11	1k	Resistor SMD1206 1%

Sub-totals:

6 Integrated Circuits

Quantity	References	Value	description
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1	U1	XR8038	Precision Waveform Generator DIL14
1	U2	AD8397ARZ	Rail-to-Rail, High Output Current Amplifier SO08
1	U3	7809	Positive voltage regul. +9V 1A TO220
1	U4	7909	Negative voltage regul. -9V 1A TO220
1	U5	LM358	
1	U7	LM324	

Sub-totals:

0 Transistors

Quantity	References	Value	description
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Sub-totals:

18 Miscellaneous

Quantity	References	Value	description
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4	D1,D3,D5,D7	LED-RED	LED5MM
4	D2,D4,D6,D8	LED-GREEN	LED5MM
2	J1-J2	TBLOCK-M2	
1	J3	52207-1619	Connector WAGO 2.54 16CON
4	J4-J7	BNC CONNECTOR	
1	RV1	10k	Resistor SMD1206 1%
1	SW1	SW-SPDT	Toggle SWITCH SW_100SP1T6B11M1QE
1	SW2	SS-10-15SP-LE	Rotary Switch 6 pos SS-10-16

Sub-totals:

Totals:

27 марта 2026 г. 14:55:40