

Bill Of Materials for OPAMP_TEST_QUAD_SCH1

Design Title	OPAMP_TEST_QUAD_SCH1
Author	
Document Number	
Revision	
Design Created	19 марта 2026 г.
Design Last Modified	27 марта 2026 г.
Total Parts In Design	86

0 Modules

Quantity	References	Value	description
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Sub-totals:

8 Capacitors

Quantity	References	Value	description
1	C1	10u	Capacitor SMD1206
7	C2-C8	1u	Capacitor SMD1206

Sub-totals:

41 Resistors

Quantity	References	Value	description
8	R1,R3,R6,R8-R10,R13,R15	1K	Resistor SMD1206
4	R2,R5,R11,R14	140K	Resistor SMD1206
4	R4,R7,R12,R16	100K	Resistor SMD1206
7	R17,R25,R29,R33,R38,R42,R46	50K	Resistor SMD1206
7	R18,R24,R26,R34,R39,R43,R47	2K	Resistor SMD1206
8	R20,R28,R32,R35,R37,R41,R45,R49	100k	Resistor SMD1206
1	R21	5K9	Resistor SMD1206
1	R22	15k	Resistor SMD1206
1	R23	330	Resistor SMD1206

Sub-totals:

5 Integrated Circuits

Quantity	References	Value	description
1	U1	ADS1015	Ultra-Small, Low-Power, 16-Bit Analog-to-Digital Converter
1	U2	MCP4725	12-Bit Digital-to-Analog Converter with EEPROM Memory in SOT-23-6
1	U3	PCF8574	LCD I2C DRIVER
1	U4	LM358	
1	U5	LM324	

Sub-totals:

9 Transistors

Quantity	References	Value	description
9	Q1,Q3-Q10	ZVN3310F	N-CHANNEL MOSFET SOT-23

Sub-totals:

23 Miscellaneous

Quantity	References	Value	description
1	ARD1	ARDUINO NANO R3	
4	D1-D4	LED-RED	LED5MM
4	D5-D8	BZX84-C3V3	Zener diode 3V3 SOT-23
1	J1	TBLOCK-M2	
1	J2	52207-1619	WAGO CONNECTOR 16pin 2,54
4	J3-J6	BNC CONNECTOR	
1	LCD1	LCD 20X4 V2	LCD Display 20x4
1	RL1	12V	Relay G2R SPDT 12V Coil

Sub-totals:

Totals:
