

Bill Of Materials for Zenertest_ARDUINO_sch

Design Title Zenertest_ARDUINO_sch
Author
Document Number
Revision
Design Created 27 апреля 2024 г.
Design Last Modified 1 мая 2024 г.
Total Parts In Design 40

0 Modules

Quantity	References	Value	description
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Sub-totals:

4 Capacitors

Quantity	References	Value	description
4	C1-C4	0.47u	Capacitor SMD1206

Sub-totals:

19 Resistors

Quantity	References	Value	description
4	R1-R3,R17	10k	RESISTOR SMD1206
1	R4	10K	RESISTOR SMD1206
1	R5	2K2	RESISTOR SMD1206
1	R6	1K9	RESISTOR SMD1206
1	R7	2k2	RESISTOR SMD1206
3	R8-R10	3K9	Power Resistor 5W AC05
3	R11-R13	110K	RESISTOR SMD1206
1	R14	1	RESISTOR SMD1206
1	R15	43K	RESISTOR SMD1206
1	R16	820	RESISTOR SMD1206
2	R18-R19	4K7	RESISTOR SMD1206

Sub-totals:

4 Integrated Circuits

Quantity	References	Value	description
1	U1	MCP4725	Single channel, 12-bit, voltage output Digital-to-Analog Converter
2	U2,U4	AD8519AS	Precision, JFET Operational Amplifiers
1	U5	NCH6300HV	High Voltage DC-DC Power Booster OUT 170Vdc

Sub-totals:

2 Transistors

Quantity	References	Value	description
1	Q1	ZTX458	NPN Transistor 400V 300mA TO92
1	Q2	BU806	NPN Transistor 400V 8A TO220

Sub-totals:

11 Miscellaneous

Quantity	References	Value	description
1	D1	S3M	Diode 100V 3A SMC
1	J1	POWER JACK	DCJ0202
2	J2-J3	TBLOCK-I2	
1	LCD2	LCD 16X2	LCD Display I2C
1	NANO1	ARDUINO NANO V2	ARDUINO V3.0
2	RV1-RV2	470	TRIMMER
1	RV3	10K	POTENTIOMETER PV09
2	SW1-SW2		Tactile Switch

Sub-totals:

Totals:

