

Bill Of Materials for SOLDER_SIMPLE_SCH

Design Title SOLDER_SIMPLE_SCH
Author
Document Number
Revision
Design Created 15 марта 2025 г.
Design Last Modified 24 марта 2025 г.
Total Parts In Design 37

0 Modules

Quantity	References	Value	description
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Sub-totals:

9 Capacitors

Quantity	References	Value	description
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5	C1-C2,C7-C9	470n	Capacitor SMD0805
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2	C3-C4	470u	Electr. Capacitor 16V 13mm 5.08
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2	C5-C6	47u	Electr. Capacitor 47,0x25V
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Sub-totals:

11 Resistors

Quantity	References	Value	description
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1	R1	2K2	Resistor SMD0805
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3	R2,R4,R11	1K	Resistor SMD0805
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2	R3,R5	220K	Resistor SMD0805
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1	R6	470K	Resistor SMD0805
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2	R7-R8	10K	Resistor SMD0805
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1	R9	470	Resistor SMD0805
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1	R10	12K	Resistor SMD0805
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Sub-totals:

6 Integrated Circuits

Quantity	References	Value	description
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2	U1-U2	AD8552AS	Single-Supply, Rail-to-Rail Input/Output Operational Amplifiers SO8
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1	U3	7805	POSITIVE-VOLTAGE REGULATOR TO-220
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2	U4-U5	7SEGM VOLTMETER	YB21 DC Voltmeter 0-10V
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1	U6	AC DC CONVERTER 24V 5A	
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Sub-totals:

3 Transistors

Quantity	References	Value	description
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2	Q1-Q2	2N7000	Transistor NPN TO-92
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1	Q3	IRF4905	Power MOSFET(Vdss=-55V, Rds(on)=0.02ohm, Id=-74A) International Rectifier
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Sub-totals:

8 Miscellaneous

Quantity	References	Value	description
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1	D1	1N4372A	Zener Diode 3.0V DO35
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1	D2	LED-RED	LED 5MM 2mA
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1	J1	5PIN CONNECTOR	
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1	RV1	100k	TRIMMER EU-B64Y
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1	RV2	12k	TRIMMER EU-B64Y
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1	RV3	10k	Potentiometer PTV09
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1	SW1	SW-200D	Dual ball type tilt sensitive trigger switch
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1	TC1	TCK	Temperature Sensor
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Sub-totals:

Totals:

24 марта 2025 г. 14:15:21