

Bill Of Materials for SPROBE_led_sch

Design Title SPROBE_led_sch
Author
Document Number
Revision
Design Created 6 апреля 2023 г.
Design Last Modified 10 апреля 2023 г.
Total Parts In Design 51

0 Modules

Quantity	References	Value	description
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Sub-totals:

5 Capacitors

Quantity	References	Value	description
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4	C1,C3-C5	2.2u	Capacitor SMD0805
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1	C2	1u	Capacitor SMD0805
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Sub-totals:

23 Resistors

Quantity	References	Value	description
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2	R1-R2	470K	RESISTOR SMD 2512 1W 1%
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1	R3	100K	RESISTOR SMD 2512 1W 1%
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1	R4	1k8	RESISTOR SMD 0805 1%
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1	R5	470	RESISTOR SMD 0805 1%
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1	R6	10k	RESISTOR SMD 2512 1W 1%
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1	R7	47k	RESISTOR SMD 0805 1%
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1	R8	47K	RESISTOR SMD 0805 1%
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11	R9,R14-R19,R21-R24	51	RESISTOR SMD 0805 1%
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1	R10	10K	RESISTOR SMD 0805 1%
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1	R11	4K7	RESISTOR SMD 0805 1%
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1	R12	33k	RESISTOR SMD 0805 1%
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1	R13	1M	RESISTOR SMD 0805 1%
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Sub-totals:

1 Integrated Circuits

Quantity	References	Value	description
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1	U1	IE0315S	DC DC Uin: 3.3V; Uout: 15VDC; Iout: 66mA; SIP4
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Sub-totals:

3 Transistors

Quantity	References	Value	description
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1	Q1	2SC4923	NPN transistor 1500V TO-3 PML
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1	Q4	BC817	Bipolar (BJT) Single Transistor, NPN, 45 V, 500 mA, SOT23
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1	Q5	2N3819	N-Channel JFET TRANSISTOR
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Sub-totals:

11 Diodes

Quantity	References	Value	description
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1	D1	CGRM4007-G	Si-D 1000V 1A ; Case SOD-123_MINI-SMA
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1	D2	BZT52B3V3-G3-08	ZENER DIODE 3.3V SOD-123
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2	D3,D5	BAT54S	Planar Schottky barrier diodes
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1	D4	BZT52B15-E3-18	ZENER DIODE 15V SOD-123
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5	D6,D8-D11	LED-BI COLOR	Led duo5mm
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1	D7	LED-GREEN	Led 5mm
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Sub-totals:

8 Miscellaneous

Quantity	References	Value	description
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1	ARD1	ARDUINO MINI	
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1	B1	3.6	Saft lithium battery CR 1/2 AA 3,6V LS14250 with soldering ears
1	J1	USBCONN	USB MINI
1	LS1	SOUNDER	Piezo 12mm
1	RV1	4k7	TRIMMER
1	RV2	470	TRIMMER
1	RV6	10K	TRIMMER
1	SW1		PEM TL36W010400 Toggle switch 48 V DC/AC 0.5 A

Sub-totals:

Totals:

10 апреля 2023 г. 13:17:55