

Bill Of Materials for SPROBE_ws2812_sch

Design Title SPROBE_ws2812_sch
Author
Document Number
Revision
Design Created 6 апреля 2023 г.
Design Last Modified 10 апреля 2023 г.
Total Parts In Design 38

0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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Sub-totals:

6 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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4	C1, C3-C4, C6	2.2u	Capacitor SMD0805
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2	C2, C5	1u	Capacitor SMD0805
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Sub-totals:

14 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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2	R1, R3	470K	RESISTOR SMD 2512 1W 1%
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1	R2	470k	RESISTOR SMD 2512 1W 1%
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1	R4	1k8	RESISTOR SMD 0805 1%
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1	R5	100	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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2	R8, R10	100K	RESISTOR SMD1206
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1	R9	10K	RESISTOR SMD1206
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1	R11	10K	RESISTOR SMD 0805 1%
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1	R12	33k	RESISTOR SMD 0805 1%
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1	R13	4K7	RESISTOR SMD 0805 1%
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1	R14	1M	RESISTOR SMD 0805 1%
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Sub-totals:

1 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	U1	IE0524S	DC-DC CONVERTER 4,5 - 13V Input to 24V Output
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Sub-totals:

5 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	Q1	2SC4923	NPN transistor 1500V TO-3 PML
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1	Q2	STR2P3LLH6	Power MOSFET, P Channel, 30 V, 2 A, 0.048 ohm, SOT-23, Surface Mount
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2	Q3-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:

5 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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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 Diodes 3.3V SOD123
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2	D3, D5	BAT54S	Planar Schottky barrier diodes
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1	D4	BZT52C24	Zener Diodes 24V SOD123
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Sub-totals:

7 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	ARD1	ARDUINO MINI	
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1	B1	5	BATTERY 4XAAA + HOLDER
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1	LS1	SOUNDER	Piezo Sounder 12mm
1	RV1	4k7	TRIMMER
1	RV2	470	TRIMMER
2	SW1-SW2		TACTILE SWICH

Sub-totals:

Totals:

10 апреля 2023 г. 13:10:40