

Bill Of Materials for Microamp_OLED_SCH

0 Modules

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

10 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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7	C1,C5-C10	1uF	Capacitor SMD1206
3	C2-C4	10u	Capacitor 10u/25v SMC-C

Sub-totals:

11 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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3	R1,R3-R4	10k	R1 - 10K 0.01% 207/10
1	R2	1K	RESISTOR 0.01% 207/10
1	R5	90k	RESISTOR 0.01% 207/10
2	R6-R7	1k	RESISTOR SMD1206
2	R8-R9	100k	RESISTOR SMD1206
1	R10	100K	RESISTOR SMD106
1	R11	330	RESISTOR SMD106

Sub-totals:

3 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	U1	OPA2227P	High Precision, Low Noise Operational Amplifiers DIL08
1	U2	ICL7660A	Simple Conversion of +9V Supply to -9V Supplies
1	U3	ADS1115	Precision, low-power, 16-bit, I2C-compatible, ADC

Sub-totals:

3 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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2	Q1-Q2	2N7002	Logic Level N-CHANNEL SOT23
1	Q3	STR2P3LLH6	Power MOSFET, P Channel, 30 V, 2 A, 0.048 ohm, SOT-23, Surface Mount

Sub-totals:

12 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	ARD1	ARDUINO MINI	
1	BAT1	9V	9V BATTERY 11500mA/h USB TYPE C
3	D1-D3	BAT54S	SCHOTTKY SOT23
1	D4	LED-RED	LED2mA 5mm
1	J1	MKDSN1,5-2-5,08	CONNECTOR
1	LCD1	SSD1306 OLED (128x64)	TFT DISPLAY 1.8
1	RL1 G5V1	6V	RELAY G5V1 6V
3	SW1-SW3		TACTILE-SWITCH-SMD

Sub-totals: