

Bill Of Materials for Milliom_volt 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-C7	1u	CAPACITOR SMD1206
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3	C8-C10	10u	ELECTROL. CAPACITOR SMC-D
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Sub-totals:

14 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	R1	10	RESISTOR SMD2512 0.5W 1%
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1	R2	1	RESISTOR SMD2512 0.5W 1%
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7	R3-R7,R10, R14	100K	RESISTOR SMD1206 1%
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2	R8-R9	100k	RESISTOR SMD1206 1%
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2	R11-R12	330	RESISTOR SMD1206 1%
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1	R13	100K	RESISTOR SMD1206
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Sub-totals:

7 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	U1	LM1086-ADJ	Low dropout positive voltage regulators with a maximum dropout of 1.5V at 3A of load current.
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2	U2-U3	AD820S	Single Supply, Rail to Rail Low Power FET-Input Op Amp
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1	U4	LM393	Low power dual voltage comparator SO08
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2	U6-U7	ADS1115	Ultra-Small, Low-Power, 16-Bit Analog-to-Digital Converter with Internal Reference
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1	U8	ICL7660	CMOS Voltage Converter SOIC 127
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Sub-totals:

3 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	Q1	IRFL4105	Power MOSFET(Vdss=55V, Rds(on)=0.045ohm, Id=3.7A)
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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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1	Q3	BSS138	N-Channel Logic Level Enhancement Mode Field Effect Transisto
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Sub-totals:

14 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	3.7	3.7V LI-PO BATTERY + 18650 HOLDER
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1	D1	1N5333BRL	ZENER SMB 3,3V
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1	D2	MRA4007T3G	SMA
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1	D3	BZT52C2V0	ZENER 2V SOT23
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2	D4-D5	TS4148	DIODE SMD
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1	D6	LED-RED	LED3MM 2mA
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1	LCD1	SSD1306 OLED (128x64)	TFT DISPLAY 1.8
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1	RV1	100k	TRIMMER B64W
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4	SW1-SW4		Tactile Switch SMD
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Sub-totals: