

Bill Of Materials for RES_ARDUINO_SCH

0 Modules

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

8 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
4	C1-C4	0.47u	CAPACITOR SMD1206
2	C5-C6	10u	CAPACITOR POL. SMC-B
2	C7-C8	4.7u	CAPACITOR SMD1206

Sub-totals:

18 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
3	R1-R3	470	RESISTOR SMD1206
4	R4-R7	20	POWER RESISTOR RX24 50W
2	R8-R9	33K	RESISTOR SMD1206
4	R10-R12,R18	10K	RESISTOR SMD1206
2	R13,R15	51K	RESISTOR SMD1206
2	R14,R16	150K	RESISTOR SMD1206
1	R17	22K	RESISTOR SMD1206

Sub-totals:

5 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
2	U1-U2	LM35DT	TEMPERATURE SENSOR TO220
1	U3	PCF8574	I2C LCD DRIVER
1	U4	LM358	DUAL OP. AMPLIFIER DIL08
1	U5	ICL7660	CMOS Voltage Converters SOIC-127

Sub-totals:

3 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
3	Q1-Q3	BUZ11B	N-FET TRANSICTOR TO220

Sub-totals:

22 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
1	ARD1	ARDUINO NANO R3	
3	D1-D3	LED-RED	LED5MM
2	D4-D5	BAT54S	Schottky barrier double diodes
2	F1-F2	20A	FUSE 20A+HOLDER SH22,5A
4	J1-J4	TBLOCK-M2	5202-03-N-02
1	LCD1	LCD 16X2 V2	LCD DISPLAY I2C
3	RL1-RL3	12V	RELAY SLA-12VDC-SL-C 30A
3	RV1-RV3	10k	POTENTIOMETER PTV09
2	SW1-SW2		TACTILE SWITCH B3F-10XX
1	TR1	ZMPT103 10A	CURRENT SENSOR

Sub-totals:

Totals: