

Bill Of Materials for Chang_arduino_SCH

17 Resistors

Quantity	References	Value	description
1	R1	33K	SMD 1206 5%
1	R2	910	SMD 1206 5%
2	R3-R4	47K	SMD 1206 5%
1	R5	47	Resistor SMD 2512 (3521) 2W 1%
6	R6,R10-R11,R15-R17	2.2	Resistor SMD 2512 (3521) 2W 1%
3	R7,R9,R13	68	Resistor SMD 2512 (3521) 2W 1%
2	R8,R14	47	SMD Chip Resistor, 22 ohm, $\pm 1\%$, 3 W, 2512 [6432 Metric]
1	R12	100K	SMD 1206 5%

Sub-totals:

3 Integrated Circuits

Quantity	References	Value	description
1	U1	7812	12V Positive Voltage Regulator
1	U2	LM45	SOT-23 Precision Centigrade Temperature Sensors
1	U3	LM317K	Adjustable Positive Voltage Regulator

Sub-totals:

2 Diodes

Quantity	References	Value	description
1	D1	1N5400	3.0 AMP SILICON RECTIFIERS
1	D2	BAT54S	

Sub-totals:

26 Miscellaneous

Quantity	References	Value	description
1	ARD2	ARDUINO NANO	
1	C1	100u/50V	
1	C2	47u/25V	
1	J1	POWER JACK DC-005	
1	J2	1xAAA battery holder pcb mount	
1	J3	1xAA battery holder pcb mount	
4	J4,J7,J9-J10	MSTBA2	
1	J5	3xAA BATTERY HOLDER	
1	J6	3x3AAA BATTERY HOLDER	
1	J8	9V BATTERY HOLDER	
1	J11	TBLOCK-M3	
1	LCD1	LM041L	LCD 4X16 CHARACTER DISPLAY
1	Q1	BUZ11	N - CHANNEL 50V - 0.03 ? - 33A TO-220 MOSFET
1	Q2	BC337	Amplifier Transistor 800mA 50V
1	RV1	5K1	Potentiometer RV09 5K
1	RV2	15	Rotary Potentiometer, 22 ohm, 1 Turns, Linear, 2 W
1	RV3	33K	
1	SW1	Power switch KCD1-11	

SW2 -SW6

TACTILE SWITCH