

Bill Of Materials for srf04_2SCH

5 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
3	C1,C4-C5	220N	CAP CERAMIC 220N SMD1206
2	C2-C3	22u	22u 16V Aluminium radial

Sub-totals:

11 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	R1	100K	1/10W 5% 1206 SMD
1	R2	300K	1/10W 5% 1206 SMD
1	R3	200K	1/10W 5% 1206 SMD
7	R4-R10	220	1/10W 5% 1206 SMD
1	R11	470	1/10W 5% 1206 SMD

Sub-totals:

2 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	U1	MAX1674	High-Efficiency, Low-Supply-Current, Compact, Step-Up DC-DC Converters
1	U2	PIC16F688	PIC16 Microcontroller (4kB code, 256B data, 256B EPROM, Ports A,C, 2xACMP, 2xTimers, EUSART, 8x10-bit ADC)

Sub-totals:

3 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
3	Q1-Q3	BSS138	N-Channel SOT23 Logic Level Gate

Sub-totals:

1 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	D1	1N4007	Si; 1.00kV 1.00A 3.00us

Sub-totals:

7 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	B1	3V	AAAx2 Battery holder
1	BOX1	1552D3BK	Plastic Enclosure, Handheld, 30 mm, 50 mm, 104 mm, IP54
1	L1	UP2B-220-R	Fixed Inductors 22uH 2.0A 0.0617ohms
1	LED1	BA56-12 CA	Red, 3 Digit, 7-Segment Anode Display
1	LED2	LED3MM RED	LED 3MM
1	S1	TL32WO	Single Pole (SPDT) Toggle Switch, Latching, PCB
1	SONAR1	SRF04	Ultrasonic Sensor (HC SRF-04)

Sub-totals:

Totals: