

Bill Of Materials for ATtini2313 + HC-SRF04 SCH

Design Title ATtini2313 + HC-SRF04 SCH
Author
Document Number
Revision
Design Created
Design Last Modified
Total Parts In Design

7 Capacitors

Quantity	References	Value	Description
3	C1,C4-C5	220N	CAP CERAMIC 220N 50V SMD1206
2	C2-C3	22u	Surface Mount Tantalum Capacitor, 47 µF, 10 V, 1411 [3528 Metric]
2	C6-C7	22pF	CAP CERAMIC 22pF 50V SMD1206

Sub-totals:

4 Resistors

Quantity	References	Value	Description
1	R1	100K	1/10W 5% 1206 SMD
1	R2	300K	1/10W 5% 1206 SMD
1	R3	200K	1/10W 5% 1206 SMD
1	R11	470	1/10W 5% 1206 SMD

Sub-totals:

2 Integrated Circuits

Quantity	References	Value	Description
1	U1	ATTINY2313	2 KBytes Flash, 192 Bytes SRAM, 128 Bytes EEPROM, Analog Comparator, USI, 3 Ports, 2 Timers, 1 USART
1	U2	MAX1674	High-Efficiency, Low-Supply-Current, Compact, Step-Up DC-DC Converters

Sub-totals:

1 Transistors

Quantity	References	Value	Description
1	Q1	8MHz	Crystal, 8 MHz, SMD, 11.4mm x 4.9mm

Sub-totals:

1 Diodes

Quantity	References	Value	Description
1	D1	1N4007	Si; 1.00kV 1.00A 3.00us

Sub-totals:

9 Miscellaneous

Quantity	References	Value	Description
1	B1	3V	AAAx2 Battery holder
2	BOX1-BOX2	55-32-4A-R-BL	ENCLOSURE, HAND HELD, PLASTIC, BLACK
1	L1	UP2B-220-R	Fixed Inductors 22uH 2.0A 0.0617ohms
1	LCD1	LM020L	16x1 Alphanumeric LCD
1	LED2	LED3MM RED	Animated LED model (Red)
1	RV1	1k	High Granularity Interactive Potentiometer
1	S1	TL32WO	Single Pole (SPDT) Toggle Switch, Latching, PCB
1	SONAR1	SRF04	Ultrasonic Sensor (HC SR-04)

Sub-totals:

Totals: