

Watersafe Transmitter Bill of Materials

Item	Ref	Value	Description	Package
1	A1		Antenna	PCB Track
2	B1	CR2025	Battery	CR2025
3	C1	100 nF	Capacitor, Ceramic, 10%, 50V	805
4	C2	33 pF	Capacitor, Ceramic, 5%, 50V, NPO	603
5	C3	4.7 pF	Capacitor, Ceramic, +/- 0.25pF, 50V, NPO	603
6	C4	12 pF	Capacitor, Ceramic, 5%, 50V, NPO	603
7	C5	10 nF	Capacitor, Ceramic, 10%, 50V	603
8	C6	1 nF	Capacitor, Ceramic, 10%, 50V	603
9	C7	15 pF	Capacitor, Ceramic, 5%, 50V, NPO	603
10	C8	2.7 pF	Capacitor, Ceramic, +/- 0.25pF, 50V, NPO	603
11	C9	10 nF	Capacitor, Ceramic, 10%, 50V	603
12	DN1	BAV99	Diode, Dual with Series Connection	SOT-23
13	L1	22 nH	Inductor, 5%	603
14	Q1	BSS138	Transistor, MOSFET, N-Channel	SOT-23
15	Q2	BSS138	Transistor, MOSFET, N-Channel	SOT-23
16	Q3	BSS84	Transistor, MOSFET, P-Channel	SOT-23
17	Q4	BSS138	Transistor, MOSFET, N-Channel	SOT-23
18	Q5	MMBR901	Transistor, MMBR901	SOT-23
19	R1	10M	Resistor, 5%	603
20	R10	100k	Resistor, 5%	603
21	R11	100k	Resistor, 5%	603
22	R12	100k	Resistor, 5%	603
23	R13	5.62k 1%	Resistor, 1%	603
24	R14	20.0k 1%	Resistor, 1%	603
25	R2	1M	Resistor, 5%	603
26	R3	150k	Resistor, 5%	603
27	R4	150k	Resistor, 5%	603
28	R5	150k	Resistor, 5%	603
29	R6	150k	Resistor, 5%	603
30	R7	18k	Resistor, 5%	603
31	R8	100	Resistor, 5%	603
32	R9	100k	Resistor, 5%	603
33	SN1		Water Sensor	PCB Track
34	U1	74VHC14	IC, Hex Schmitt-Trigger INVERTERS	TSSOP-14
35	U2	74VHC74	IC, Dual D-Type FLIP-FLOPS	TSSOP-14
36	U3	PIC-12C508-04/SM	IC, PIC12C508 (4 MHz)	SOIC-8
37	U4	S-80720SN-DH	IC, Voltage Detector, 2.0V, S-80720SN-DH	SOT-23-5
38	X1	RO2118A	Resonator, SAW, (318 MHz)	SM-2
39	X2	PBRC-4.00BR	Resonator, Ceramic, (4 MHz), Internal caps	7.4 x 3.4 x 2.0