

Item	Quantity	Reference	Description	Manufacturer	Manufacturer Part#	Suggested Vendor	Suggested Vendor Part #	Footprint	Temp Min	Temp Max
1	1	DOC	Schematic	Creare	1010403-900-0011, Rev.B	N/A	N/A	N/A	N/A	N/A
2	1	PCB	PCB		1010403-900-0012, Rev.B	N/A	N/A	N/A	N/A	N/A
3	1	ANT1	PCB Antenna, 2.4GHz	DNP	DNP	DNP	DNP	pcbantenna_an043	-	-
4	2	B1 B2	BATTERY NiMH 1.2V 700MAH AAA	Panasonic - BSG	HHR70AAAB8T	Digi-Key	P213T-ND	PANASONIC_HHR70AAAB8T	-10°C	65°C
5	10	C1 C4 C6 C10 C14 C18	0.1uF, 50V, 10%, X7R, Ceramic, 0402	TDK	CGA2B3X7R1H104K050B8	Digi-Key	445-6899-1-ND	CAPC100X50X55L20N	-55°C	125°C
6	1	C2	10uF, 10V, 20%, X5R, Ceramic, 0402	Samsung	CL05A106MP8NUB8	Digi-Key	1276-6830-1-ND	CAPC100X50X90L25N	-55°C	85°C
7	1	C11	DNP, 10uF, 10V, 20%, X5R, Ceramic, 0402					CAPC100X50X90L25N	-55°C	85°C
8	1	C12	22uF, 25V, 20%, X5R, Ceramic, 0805	TDK Corporation	C2012X5R1E226M125AC	Digi-Key	445-9112-1-ND	CAPC2013X145N	-55°C	85°C
9	2	C16 C58	DNP, Capacitor, 0402	NA	NA	NA	NA	CAPC100X55L25N		
10	1	C19	0.8pF, 50V, ±0.1pF, NP0, Ceramic, 0402	Murata	GJM1555C1HR80B01D	Digi-Key	490-6080-1-ND	CAPC100X50X55L25N	-55°C	125°C
11	2	C22 C25	22nF, 50V, 10%, X7R, Ceramic, 0402	Murata Electronics North	GRM155R71H223KA12D	Digi-Key	490-3884-1-ND	CAPC100X50X55L25N	-55°C	125°C
12	4	C23 C24 C27 C28	12pF, 50V, 1%, NP0, Ceramic, 0402	Murata	GJM1555C1H120F801D	Digi-Key	490-11190-1-ND	CAPC100X50X55L25N	-55°C	125°C
13	2	C26 C44	0.47uF, 25V, 10%, X5R, Ceramic, 0402	TDK	C1005X5R1E474K050B8	Digi-Key	445-8020-1-ND	CAPC100X50X55L15N	-55°C	85°C
14	1	C32	15nF, 100V, 10%, X7R, Ceramic, 0603	Murata	GCM188R72A153KA37D	Digi-Key	490-8029-1-ND	CAPC160X80X90L35N	-55°C	125°C
15	3	C41 C43 C56	1uF, 25V, 10%, X5R, Ceramic, 0603	AVX	06033D105KAT2A	Digi-Key	478-5142-1-ND	CAPC160X894N	-55°C	85°C
16	2	C45 C46	10nF, 50V, 10%, X8R, Ceramic, 0402	TDK	C1005X8R1H103K050B8	Digi-Key	445-8851-1-ND	CAPC100X50X55L15N	-55°C	150°C
17	2	C47 C48	68nF, 50V, 5%, X7R, Ceramic, 0603	Kemet	C0603C683J5RACTU	Digi-Key	399-9121-1-ND	CAPC160X80X87L35N	-55°C	125°C
18	1	C49	47nF, 50V, 10%, X7R, Ceramic, 0402	TDK	CGA2B3X7R1H473K050B8	Digi-Key	445-6897-1-ND	CAPC100X50X55L20N	-55°C	125°C
19	1	C50	1.8nF, 50V, 10%, X7R, Ceramic, 0402	AVX	04025C182KAT2A	Digi-Key	478-1104-1-ND	CAPC100X50X56L25N	-55°C	125°C
20	1	C51	100pF, 50V, 5%, C0G, Ceramic, 0603	KEMET	C0603T101J5GCLTU	Digi-Key	399-6300-1-ND	CAPC160X80X87L35N	-55°C	125°C
21	1	C52	0.1uF, 50V, 10%, X7R, Ceramic, 0603	AVX	06035C104KA22A	Digi-Key	478-3540-1-ND	CAPC160X894N	-55°C	125°C
22	2	C53 C54	10uF, 35V, 20%, X5R, Ceramic, 0603	Murata	GRM188R6YA106MA73D	Digi-Key	490-13248-1-ND	CAPC160X80X100L37N	-55°C	85°C
23	1	C57	100pF, 50V, 1%, C0G, Ceramic, 0402	AVX	04025A101FAT2A	Digi-Key	478-3658-1-ND	CAPC100X50X56L25N	-55°C	125°C
24	1	D1	LED, Green, 2.1V, 20mA	SunLED	XZVG54W-8	Digi-Key	1497-1434-1-ND	LEDCC200X125X120L40N	-40°C	85°C
25	1	D2	LED Red/Yel, 2.2V/2V, 20mA, 1206	SunLED	XZM2CRKCYK55W-8	Digi-Key	1497-1306-1-ND	SUNLED_XZM2CRKCYK55W-8	-40°C	85°C
26	1	D3	LED, Green, 2.1V, 10mA, 3.2mcd, 0603	Lite-On Inc.	LTST-C190GKT	Digi-Key	160-1183-1-ND	LEDCC160X80N	-55°C	85°C
27	1	F1	Fuse, 2A, 63VDC, Slow, 1206	Bourns	5F-1206SP200M-2	Digi-Key	5F-1206SP200M-2CT-ND	FUSC320X160X117L51N	-55°C	150°C
28	1	J1	FFC/FPC, 6pos, 0.5mm, 0.5A, 50V, R/A, SMD	Molex	5034800600	Digi-Key	WM1387CT-ND	Molex_503480-0600	-40°C	85°C
29	1	L1	3.9nH, 400mA, High Frequency, 0402	TDK	MLK1005S3N9ST000	Digi-Key	445-1462-1-ND	INDC1005X60L15	-55°C	125°C
30	1	L2	10uH, 100mA, Wirewound, 0603	Abracon	AISC-0603F-100I-T	Digi-Key	535-12537-1-ND	Abracon_AISC-0603F	-40°C	85°C
31	1	L3	15nH, 300mA, High Frequency, 0402	TDK	MLK1005S15NJT000	Digi-Key	445-1469-1-ND	INDC1005X60L15	-55°C	125°C
32	1	Q2	MOSFET, P-CH, 20V, 3.6A, SOT-23	Diodes	DMP2035U-7	Digi-Key	DMP2035U-7DICT-ND	SOT23-3P91_240X120L53X44	-55°C	150°C
33	1	R1	100K, 1%, 50V, 1/16W, Thick, 0402	Vishay	CRCW0402100KFED	Digi-Key	541-100KLT-ND	RESC100X50X40L25	-55°C	155°C
34	1	R2	4.99K, 1%, 50V, 1/16W, Thick, 0402	Vishay	CRCW04024K99KFED	Digi-Key	541-4.99KLT-ND	RESC100X50X40L25	-55°C	155°C
35	1	R4	DNP, 4.99K, 1%, 50V, 1/16W, Thick, 0402					RESC100X50X40L25	-55°C	155°C
36	1	R5	140 Ohms, 1%, 75V, 1/10W, Thick, 0603	Vishay	CRCW0603140RFKEA	Digi-Key	541-140HCT-ND	RESC155X85X50L30N	-55°C	155°C
37	4	R7 R8 R9 R12	33 Ohms, 1%, 50V, 1/10W, Thick, 0402	Panasonic	ERJ-2RKf33R0X	Digi-Key	P33.0LCT-ND	RESC100X50X40L25	-55°C	155°C
38	4	R10 R19 R26 R33	10K, 1%, 50V, 1/10W, Thick, 0402	Panasonic Electronic Com	ERJ-2RKf1002X	Digi-Key	P10.0KLT-ND	RESC100X50X40L25	-55°C	155°C
39	4	R11 R35 R36 R37	1M, 1%, 50V, 1/10W, Thick, 0402	Panasonic	ERJ-2RKf1004X	Digi-Key	P1.00MLCT-ND	RESC100X50X40L25	-55°C	155°C
40	1	R13	DNP, Jumper, 50V, 1/16W, Thick, 0402	Vishay	CRCW04020000Z0ED	Digi-Key	541-0.0JCT-ND	RESC100X50X40L25	-55°C	155°C
41	1	R14	10K, 1%, 50V, 1/16W, Thick, 0402	Vishay	CRCW040210K0FKED	Digi-Key	541-10.0KLT-ND	RESC100X50X40L25	-55°C	155°C
42	1	R15	357 Ohms, 1%, 75V, 1/10W, Thick, 0603	Vishay	CRCW0603357RFKEA	Digi-Key	541-357HCT-ND	RESC155X85X50L30N	-55°C	155°C
43	1	R16	1.5K, 5%, 75V, 1/10W, Thick, 0603	Vishay	CRCW06031K50JNEA	Digi-Key	541-1.5KGCT-ND	RESC155X85X50L30N	-55°C	155°C
44	2	R17 R20	1M, 1%, 50V, 1/16W, Thick, 0402	KOA Speer	RK73H1ETTP1004F	Mouser	660-RK73H1ETTP1004F	RESC1005X40N	-55°C	155°C
45	3	R22 R34 R39	100 Ohms, 1%, 50V, 1/10W, Thick, 0402	Panasonic	ERJ-2RKf1000X	Digi-Key	P100LCT-ND	RESC100X50X40L25	-55°C	155°C
46	1	R30	140K, 1%, 50V, 1/10W, Thick, 0402	Panasonic	ERJ-2RKf1403X	Digi-Key	P140KLT-ND	RESC100X50X40L25	-55°C	155°C
47	1	R31	100K, 1%, 50V, 1/10W, Thick, 0402	Panasonic	ERJ-2RKf1003X	Digi-Key	P100KLT-ND	RESC100X50X40L25	-55°C	155°C
48	1	R38	DNP, 100K, 1%, 150V, 1/8W, Thick, 0805	Vishay	DNP(CRCW0805100KFKEA)			RESC205X125X50L35N	-55°C	155°C
49	2	R44 R45	4.02K, 1%, 50V, 1/10W, Thick, 0402	Panasonic	ERJ-2RKf4021X	Digi-Key	P4.02KLT-ND	RESC100X50X40L25	-55°C	155°C
50	1	R51	Jumper, 50V, 1/16W, Thick, 0402	Vishay	CRCW04020000Z0ED	Digi-Key	541-0.0JCT-ND	RESC100X50X40L25	-55°C	155°C
51	1	R72	Thermistor, NTC, 10K, Max Temp 125°C,TH	Cantherm	MF52A2103J3470	Digi-Key	317-1258-ND	THMRB220W45L300T300H950	-55°C	125°C
52	1	SW1	Switch, Reed, SPST-NO, 100mA, 30V, SM	Standex	MK24-A-3	Digi-Key	374-1138-1-ND	standex_mk24-a-3	-40°C	115°C
53	12	TP7 TP8 TP9 TP12 TP18	DNP, Test Point, SMD, 25 mil Round Pad	NA	NA	NA	NA	TP_C0635	NA	NA
54	2	TP28 TP29	Test Point, Miniature, 3.4mm x 1.8mm Pad, SMD	Keystone	5015	Digi-Key	36-5015CT-ND	TP340X180N		
55	1	U1	Temperature, Digital, -40~125°C, 6WDFN	TI	TMP117AIDRVR	Digi-Key	296-51834-1-ND	son7p65_200x200x80l25x30t160x10	-55°C	150°C
56	1	U10	Buffer, Triple, Open Drain, 8XSON	Nexperia USA Inc.	74LVC3G07GS,115	Digi-Key	1727-8082-1-ND	PSON8P35_135x100x35L31X16N	-40°C	125°C
57	1	U2	Pressure Sensor, 0~30bar, ±400 mbar, I2C, SMD	TE Connectivity Measure	MS583730BA01-50	Digi-Key	223-1704-1-ND	icdfn4_330x330x285l130x130	-20°C	85°C
58	1	U3	Buffer, Single, Open Drain, 6-SON	TI	SN74LVC1G07QDRYRQ1	Digi-Key	296-SN74LVC1G07QDRYRQ1CT-ND	pson6p50_145x100x55l30x20n	-40°C	125°C
59	1	U5	SOC, 2.4 GHz Bluetooth, Cortex M4 MCU, 512K Fl	Nordic	NRF52832-QFAA-R	Digi-Key	1490-1052-1-ND	QFN40P600X600X90-49N	-40°C	85°C
60	1	U6	Flash Memory, 16Mbit, 80MHz, 8USON	Macronix	MX25R1635FZUIH0	Digi-Key	1092-1178-1-ND	PSON9P50_200x300x60L40X25T160	-40°C	85°C
61	1	U7	Battery Charger, Multi-Chemistry, 60V, 250mA, 1	Analog Devices Inc.	LTC4079EDD#TRPBF	Digi-Key	LTC4079EDD#TRPBFCT-ND	SON11P50_300x300x80L40X25T238	-40°C	125°C
62	1	U8	Wireless Power Supply Receiver, 20QFN	Texas Instruments	BQ51013ARHLR	Digi-Key	296-30568-1-ND	QFN50P450X350X100-21N	0°C	125°C
63	1	U9	Opamp, Single, GP, RRIO, 6.2kHz, SC70-5	Texas Instruments	LPV521MG/NOPB	Digi-Key	296-39069-1-ND	SOT23-5P65_210X110L36X22N	-40°C	125°C
64	1	Y2	Crystal, 32MHz, 8pF, SMD	ECS	ECS-320-8-37CKM	Digi-Key	XC1547CT-ND	OSCC200X160X46-4NA	-20°C	70°C
65	1	Y4	Crystal, 32.768kHz, 9pF, SMD	Abracon	ABS05-32.768KHZ-9-T	Digi-Key	535-11897-1-ND	DFN160X100X50-2NA	-40°C	85°C
66	1	L4	Coil	TDK	WR303050-15F5-G	Digi-Key	445-16092-ND	N/A		