

Item	Quantity	Reference	Part	Description	Footprint	Manufacturer	Manufacturer Part #
1	1	ANT1	ANT-2.45-CHP-T	ANT 2.4GHZ 802.11 BLUETOOTH SMD		ANT-245-CHP-X	Linx Technologies ANT-2.45-CHP-T
			DNP	1.33300			
2	26	C1,C9,C10,C11,C13,C14,	0.1 uF 0402 10V X5R	CAP .10UF 10V CERAMIC X5R 0402		C0402	Kemet C0402C104K8PACTU
			0.01430				
		C15,C16,C19,C20,C21,C22,					
		C23,C24,C25,C26,C27,C30,					
		C34,C35,C36,C37,C38,C39,					
		C40,C41					
3	1	C2	47 pF 0402 250V COG	CAP CER 47PF 50V 5% C0G 0402	C0402	Murata	GRM1555C1H470JZ01D
			0.12412				
4	1	C3	47 pF 0402 250V COG	CAP CER 47PF 50V 5% C0G 0402	C0402	Murata	GRM1555C1H470JZ01D
		DNP	0.12412				
5	3	C4,C7,C8	.01 uF 0402 16V X7R	CAP CERM .01UF 10% 16V X7R 0402		C0402	AVX 0402YC103KAT2A
			0.03250				
6	2	C18,C5	15 pF 0402 50V NPO	CAP CERAMIC 15PF 50V NP0 0402	C0402	Kemet	C0402C150J5GACTU
			0.01430				
7	2	C17,C6	22 pF 0402 50V NPO	CAP CERAMIC 22PF 50V NP0 0402	C0402	Kemet	C0402C220J5GACTU
			0.01430				
8	1	C12	0.5 pF 0402 50V RFCER	CAP CER .5PF 50V 0402 HIGH FREQ		C0402	Taiyo Yuden UVK105CH0R5BW-F
			0.09750				
9	1	C28	22 pF 0402 50V NP0	CAP CERAMIC 22PF 50V NP0 0402	C0402	Kemet	C0402C220J5GACTU
		DNP	0.01430				
10	4	C29,C31,C32,C33	1 uF 0402 6.3 V X5R	CAP CERM 1UF 6.3V X5R 0402		C0402	Kemet C0402C105K9PACTU
			0.02930				
11	2	C43,C42	0.1 uF 0402 10V X5R	CAP .10UF 10V CERAMIC X5R 0402		C0402	Kemet C0402C104K8PACTU
		DNP	0.01430				
12	1	C44	.01 uF 0402 16V X7R	CAP CERM .01UF 10% 16V X7R 0402		C0402	AVX 0402YC103KAT2A
		DNP	0.03250				
13	1	C45	1 uF 0402 6.3 V X5R	CAP CERM 1UF 6.3V X5R 0402		C0402	Kemet C0402C105K9PACTU
		DNP	0.02930				
14	1	J1	544770808	Molex Receptacle 0.4 mm 80 ckt.		MOLEX_544770808	Molex 544770808
			1.53				
15	1	J2	SMA_ANT_CONN	CONN JACK END LAUNCH PCB 0.062" PCB		SMA_ANT_CONN1	Emerson Network Power 142-0701-801
			3.33720				
16	1	L1	2.2 uH 1000 mA SMT	2.2 uH Power Inductor		LPS3015	CoilCraft LPS3015-222MLB
			0.66				
17	3	L2,L3,L4	0 0805 1/16 1% RES	0.0 OHM 1/8W 5% 0805 SMD	L0805	Yageo	RC0805JR-070RL
			0.07230				
18	1	RFSHIELD1	RFSHIELD	RFSHIELD			
19	3	R1,R8,R11	10 K 0402 1/10 5%	RES 10K OHM 1/10W 5% 0402 SMD	R0402	Panasonic - ECG	ERJ-2GEJ103X
			0.04360				

20	4	R2,R3,R4,R5	33 0402 1/10 5%	RES 33 OHM 1/10W 5% 0402 SMD	R0402	Panasonic - ECG	ERJ-2GEJ330X
			0.04360				
21	1	R6	0 0402 1/10 5%	RES 0.0 OHM 1/16W 0402 SMD	R0402	Stackpole	RMCF 1/16S 0 R
			0.04360				
22	1	R7	10 K 0402 1/10 5%	RES 10K OHM 1/10W 5% 0402 SMD	R0402	Panasonic - ECG	ERJ-2GEJ103X
		DNP	0.04360				
23	1	R9	180K 0402 1/16 1%	RES 180K OHM 1/16W 1% 0402 SMD	R0402	Yageo	RC0402FR-07180KL
		DNP	0.02085				
24	1	R10	0 0402 1/10 5%	RES 0.0 OHM 1/16W 0402 SMD	R0402	Stackpole	RMCF 1/16S 0 R
		DNP	0.04360				
25	1	U1	GS1010 GainSpan 1010 WiFi SOC QFN-102 GainSpan	GS1010			15.00
26	1	U2	DEA252450BT-7012D1 Bandpass filter 2.450 GHz	DEA25240BT-8PIN	TDK	DEA252450BT-7012D1	
			2.00				
27	1	U3	TPS62261DRVT IC STEP-DN CONV 600MA 6-SON	SON2x2-6	Texas Instruments	TPS62261DRVT	
			1.82000				
28	1	U4	NCP700MN180R2G IC REG RF LDO 200MA 1.8V 6-DFN	DFN-6	ON Semi	NCP700MN180R2G	
		DNP	0.72500				
29	1	Y1	32.7680KHz FC-135 CRYSTAL 32.7680KHZ 12.5PF SMD FC_135	Epson Toyocom Corporation		FC-135 32.7680KA-A3	
			1.91250				
30	1	Y2	44MHZ CRYSTAL 44.000000 MHZ SMD 10PF	CRYSTAL_NX2520SA	NDK	NX2520SA-44.000000MHZ	
			1.03190				