

BOM Z100S1 Family

Qty	Reference	Part Name	Value	Description
PLACE				
1	L3	0100-00085	0	Res, 0402, 0, 1/16W, 5%
1	R13	0100-00088	1K	Res, 0402, 1K, 1/16W, 5%
1	R11	0100-00098	10K	Res, 0402, 10K, 1/16W, 5%
1	R10	0100-00102	47K	Res, 0402, 47K, 1/16W, 5%
1	R261	0120-00016	43.0K	Res, 0402, 43.0K, 1/16W, 1%
1	R221	0120-00017	56.0K	Res, 0402, 56.0K, 1/16W, 1%
2	R1-2	0120-00019	100K	Res, 0402, 100K, 1/16W, 1%
1	R4	0120-00029	61.9	Res, 0402, 61.9, 1/16W, 1%
2	R5 R7	0120-00030	105	Res, 0402, 105, 1/16W, 1%
11	C1-3 C6-7 C10 C13 C18 C21-22 C62 C71	0200-00055	5.6pF	Cap, Cer, 0402, 5.6pF, C0G, 16V
7	C4 C11 C15 C19 C23 C25 C231	0200-00056	0.1uF	Cap, Cer, 0402, 0.1uF, X7R, 25V
3	C241 C281 C351	0200-00057	0.01uF	Cap, Cer, 0402, 0.01uF, X7R, 25V
2	C191 C211	0200-00061	22pF	Cap, Cer, 0402, 22pF, X7R, 16V
2	C61 C81	0200-00063	0.5pF	Cap, Cer, 0402, 0.5pF, C0G, 50V
3	C251 C411 C421	0200-00071	0.22uF	Cap, Cer, 0402, 0.22uF, Y5V, 10V
1	Q1	0350-00009	DTC114	Transistor, PNP, SOT416, DTC114
1	L2	0400-00062	2.2nH	Inductor, 0402, 2.2nH, 5%
1	L61	0400-00065	6.8nH	Inductor, 0402, 6.8nH, Hi-Q, 5%
2	L62 L81	0400-00066	7.5nH	Inductor, 0402, 7.5nH, Hi-Q, 5%
1	U1	0450-00021	2.4GHz LP	Filter, Ceramic, Low Pass, 2.4GHz
1	X1	0500-00022	32.00 Mhz	Crystal, SMD3.0, 4P, 32.00Mhz
1	S1	0800-00017	.	Switch, SMD, SW RF Coax Probe
1	U3	1200-00075	UPG158	IC, UPG158TB, 6P, SO6, 2.4Gig Ant Switch
1	U2	1200-00109	CC2430	IC, CC2430, 48P, QLP, 2.4GHz Xcrv Chip
1	U5	1200-00114	AWL6254	IC, AWL6254, 16P, QLP, 2.4G RF Front End
1	U6	1200-00130	74LVC2G86	IC, SN74LVC2G86, 8P, SSOP, Dual XOR
1	U4	1200-00136	M25PE20	IC, M25PE20, 8P, SO, 2Mbit Serial Flash
1	bare board	0050-00147	Rev.2	PCB, 2.4GHz Zigbee Module, Hi Pwr w/ Flash
Place only for Z100S1UFR, Z100S1UFC, and Z100S1UFE				
1	R9	0100-00085	0	Res, 0402, 0, 1/16W, 5%
1	J1	0700-00068	U.FL Jack	Conn, Coax, U.FL, Jack
Place only for models Z100S1AFR, Z100S1AFC, and Z100S1AFE				
1	R3	0100-00085	0	Res, 0402, 0, 1/16W, 5%
1	ANT	0600-00042	.	Ant, SMT, 2P, Chip, 2.4G, 2.5dbi
DO NOT PLACE				
1	C17	0200-00069	1.5pF***	Cap, Cer, 0402, 1.5pF, C0G, 50V
1	L1	0400-00066	7.5nH***	Inductor, 0402, 7.5nH, Hi-Q, 5%