

Bill of Materials

Ref.	Part name	Pcs/unit	Description	Manufacturer	Part number	Supplier	Ordering code	Alt. Manufacturer	Alt. Part number	Alt. Supplier	Alt. Ordering code	Comments
U1	CC1125	1	Single-chip transceiver	TI	CC1125	TI	CC1125					
C53;C194	C_0402	2	Capacitor, general, 0402; Do not mount									
C12	C_100N_0402_X5R_K_10	1	Do not mount	Murata	GRM155R71A104KA01D							
C321	C_100N_0402_X5R_K_10	1	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D							
C172	C_100P_0402_NP0_J_50	1	Capacitor, 100p, 0402, NP0, 5% 50V	Murata	GRM1555C1H101JZ01D							
C41	C_10N_0402_X7R_K_25	1	Do not mount	Murata	GRM155R71E103KA01D							
C171;C211	C_10N_0402_X7R_K_25	2	Capacitor, 10n, 0402, X7R, 10%, 25V	Murata	GRM155R71E103KA01D							
C174	C_15P_0402_NP0_J_50	1	Capacitor, 15p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H150JA01D							
C193	C_1P2_0402_NP0_C_50	1	Capacitor, 1p2, 0402, NP0, +/-0.25pF 50V	Murata	GRM1555C1H1R2CZ01D							
C231	C_1N8_0402_U2J_J_10	1	Capacitor, 1n8, 0402, U2J, 5%, 10V	Murata	GRM1557U1A182JA01D							
C176	C_1P0_0402_NP0_B_50	1	Capacitor, 1p, 0402, NP0, +/-0.1pF 50V	Murata	GRM1555C1H1R0BZ01D							
C61	C_220N_0402_X5R_K_10	1	Capacitor, 220n, 0402, X5R, 10%, 10V	Murata	GRM155R61A224KE19D							
C322	C_22P_0402_NP0_J_50	1	Capacitor, 22p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H220JZ01D							
C181	C_2P2_0402_NP0_C_50	1	Capacitor, 2p2, 0402, NP0, +/-0.25pF, 50V	Murata	GRM1555C1H2R2CZ01							
C52	C_2U2_0603_X5R_K_10	1	Capacitor, 2u2, 0603, X5R, 10%, 10V	Murata	GRM188R61A225KE34D							
C173	C_33P_0402_NP0_J_50	1	Capacitor, 33p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H330JZ01D							
C175	C_3P0_0402_NP0_C_50	1	Capacitor, 3p0, 0402, NP0, +/-0.25pF, 50V	Murata	GRM1555C1H3R0CZ01D							
C191;C201	C_3P3_0402_NP0_C_50	2	Capacitor, 3p3, 0402, NP0, +/-0.25pF, 50V	Murata	GRM1555C1H3R3CZ01D							
C11;C51;C121;C131;C151;C221;C251;C261;C271;C281;C291	C_47N_0402_X7R_K_25	11	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
U3	EPCOS_B3749	1	SAW filter, 869.3 MHz	EPCOS	B3749	Arrow	B39871B3749H110					
L171	L_10N_0402_J_LQW	1	Inductor, 10n, 0402, ±5%, wire-wound type	Murata	LQW15AN10NJ00D							
L174;L192;L201	L_12N_0402_J_LQW	3	Inductor, 12n, 0402, ±5%, wire-wound type	Murata	LQW15AN12NJ00D							
L191	L_15N_0402_J_LQW	1	Inductor, 15n, 0402, ±5%, wire-wound type	Murata	LQW15AN15NJ00D							
L173	L_18N_0402_J_LQW	1	Inductor, 18n, 0402, ±5%, wire-wound type	Murata	LQW15AN18NJ00D							
L194	L_39N_0402_J_LQW	0	Inductor, 39n, 0402, ±5%, wire-wound type	Murata	LQW15AN39NJ00D							
L195	L_33N_0402_J_LQW	1	Inductor, 33n, 0402, ±5%, wire-wound type	Murata	LQW15AN33NJ00D	ACTE						
L172	L_7N5_0402_G_LQW	1	Inductor, 7n5, 0402, ±2%, wire-wound type	Murata	LQW15AN7N5G00	ACTE						
L1	L_BEAD_102_0402	1	EMI filter bead, 0402 1k ohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D	ACTE						
R191	R_0_0402	1	Resistor, 0 ohm, 0402	Koa	RK73Z1ETTP	ELFA	60-470-05					
R321	R_0402	1	Resistor, general, 0402; Do not mount									
R322	R_0_0402	1	Resistor, 0 ohm, 0402	Koa	RK73Z1ETTP	ELFA	60-470-05					
R171	R_10_0402_J	1	Resistor, 10 ohms, 0402, 5%	Koa	RK73H1ETTP10R0F (±1%)	ELFA	60-470-96					

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