

# 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
C11	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C12	C_100N_0402_X5R_K_10	0	<b>Do not mount</b>									
C41	C_10N_0402_X7R_K_25	0	<b>Do not mount</b>									
C51	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C52	C_2U2_0603_X5R_K_10	1	Capacitor, 2u2, 0603, X5R, 10%, 10V	Murata	GRM188R61A225KE34D							
C53	C_0402	0	<b>Do not mount</b>									
C61	C_220N_0402_X5R_K_10	1	Capacitor, 220n, 0402, X5R, 10%, 10V	Murata	GRM155R61A224KE19D							
C121	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C131	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C151	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C171	C_10N_0402_X7R_K_25	1	Capacitor, 10n, 0402, X7R, 10%, 25V	Murata	GRM155R71E103KA01D							
C172	C_100P_0402_NP0_J_50	1	Capacitor, 100p, 0402, NP0, 5% 50V	Murata	GRM1555C1H101JZ01D							
C173	C_100P_0402_NP0_J_50	0	<b>Do not mount</b>									
C174	C_82P_0402_NP0_J_50	1	Capacitor, 82p, 0402, NP0, 5% 50V	Murata	GRM1555C1H820JZ01D							
C175	C_15P_0402_NP0_J_50	1	Capacitor, 15p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H150JZ01D							
C176	C_12P_0402_NP0_J_50	1	Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JZ01D							
C177	C_1P2_0402_NP0_B_50	1	Capacitor, 1p2, 0402, NP0, +/-0.1pF 50V	Murata	GRM1555C1H1R2BZ01D							
C181	C_12P_0402_NP0_J_50	1	Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JZ01D							
C191	C_12P_0402_NP0_J_50	1	Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JZ01D							
C201	C_12P_0402_NP0_J_50	1	Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JZ01D							
C211	C_10N_0402_X7R_K_25	1	Capacitor, 10n, 0402, X7R, 10%, 25V	Murata	GRM155R71E103KA01D							
C221	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C231	C_1N8_0402_U2J_J_10	1	Capacitor, 1n8, 0402, U2J, 5%, 10V	Murata	GRM1557U1A182JA01D							
C251	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C261	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C271	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C281	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C291	C_47N_0402_X7R_K_25	1	Capacitor, 47n, 0402, X7R, 10%, 25V	Murata	GRM155R71E473KA88D							
C301	C_15P_0402_NP0_J_50	1	Capacitor, 15p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H150JZ01D							
C302	C_0402	0	<b>Do not mount</b>									
C311	C_15P_0402_NP0_J_50	1	Capacitor, 15p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H150JZ01D							
C321	C_100N_0402_X5R_K_10	0	<b>Do not mount</b>									
C322	C_22P_0402_NP0_J_50	0	<b>Do not mount</b>									
L1	L_BEAD_102_0402	1	EMI filter bead, 0402 1k ohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D	ACTE		Stelco				
L171	L_220N_0402_J	1	Inductor, 220n, 0402, ±5%	Murata	LQG15HSR22J02							
L172	L_18N_0402_J_LQW	1	Inductor, 18n, 0402, ±5%, wire-wound type	Murata	LQW15AN18NJ00D							
L173	L_100N_0402_J_LQW	1	Inductor, 100n, 0402, ±5%, wire-wound type	Murata	LQW15ANR10J00							
L174	L_68N_0402_J_LQW	1	Inductor, 68n, 0402, ±5%, wire-wound type	Murata	LQW15AN68NJ00	ACTE						



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