

CC2541EM R1.1.0

Ref.	Part name	Pcs/unit	Description	Manufacturer	Part number	Supplier	Ordering code	Alt. Manuf
U1	CC2541	1	2.4 GHz SoC	TI	CC2541	TI	CC2541	
C2	C_0402	0	Capacitor, general, 0402; Do not mount					
C101;C211;C241;C271;C311	C_100N_0402_X5R_K_10	5	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D			
C221;C231	C_12P_0402_NP0_J_50	2	Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JA01D			
C321;C331	C_15P_0402_NP0_J_50	2	Capacitor, 15p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H150JA01D			
C251;C261	C_18P_0402_NP0_J_50	2	Capacitor, 18p, 0402, NP0, 5% 25V	Murata	GRM1555C1H180JZ01D	ELFA	65-881-23	
C201	C_1N_0402_NP0_J_50	1	Capacitor, 1n, 0402, NP0, 5%, 50V	Murata	GRM1555C1H102JA01D			
C252-253;C262	C_1P0_0402_NP0_C_50	3	Capacitor, 1p, 0402, NP0, +/-0.25pF 50V	Murata	GRM1555C1H1R0CZ01D			
C391;C401	C_1U_0402_X5R_K_6P3	2	Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R60J105KE19D			
C272	C_220P_0402_NP0_J_50	1	Capacitor, 220p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H221JA01D			
C1	C_2U2_0402_X5R_M_6P3VDC	1	Capacitor, 2u2, 0402, X5R, +/-20%, 6.3V	Murata	GRM155R60J225ME	TTI		
L252	L_1N0_0402_S	1	Inductor, 1n0, 0402, Monolithic type, +/-0.3 nH	Murata	LQG15HS1N0S02D			Coilcraft
L251;L261	L_2N0_0402_S	2	Inductor, 2n0, 0402, +/-0.3 nH	Murata	LQG15HS2N0S02D			
L253	L_3N0_0402_S	1	Inductor, 3n0, 0402, Monolithic type, +/-0.3 nH	Murata	LQG15HS3N0S02D	ACTE		Coilcraft
L1	L_BEAD_102_0402	1	EMI filter bead, 0402 1k ohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D	ACTE		
R1-4;R251	R_0402	0	Resistor, general, 0402; Do not mount					
R21;R31	R_10K_0402_F	2	Resistor, 10k ohms, 0402, ±1%	Koa	RK73H1ETTP1002F	ELFA	60-485-32	
R201	R_2K7_0402_F	1	Resistor, 2k7 ohms, 0402, ±1%	Koa	RK73H1ETTP2701F	ELFA	60-482-50	
R301	R_56K_0402_F	1	Resistor, 56k ohms, 0402, ±1%	Koa	RK73H1ETTP5602F	ELFA	60-488-96	
P3	SMA_SMD	1	SMA connector, straight SMD-mount	Hus-Tsan Group Taiwan	SMA-10V21-TGG	EC Partner A/S	SMA-10V21-TGG	
P1-2	SMD_SOCKET_2x10	2	SMD pinrow socket, .050 spacing, 2x10	Samtec	SFM-110-02-SM-D-A-K-TR	Abacus		
X1	X_32.000/10/20/40/10	1	Crystal, 32.000000MHz, FA-20H, 10.0pF, +/-10ppm, (FTC: +/-20ppm)	Epson Toyocom	FA-20H, 32MHz, 10PPM, 10pF,	ACTE	Q24FA20H0021714	
X2	X_32.768/20/50/40/12	1	Crystal, 32.768 kHz, 12.5pF, 20/50 ppm,SMD package	Epson Toyocom	MC-306	ACTE	Q13MC3061000314	
Total number of components		34						