

CC2541 Key fob Partlist List 1.4.0

Ref.	Part name	Unit	Description	Manufacturer	Part number
A1	BMA250	1	3-AXIS ACCELEROMETER DIGITAL I/I	Bosch Sensortec	BMA250
B1	CR2032_SOCKET	1	Socket for CR2032 buttoncell battery	Keystone	3002
B2	CMT-1603	1	Piezo audio transducer, 25V, SMD	CUI Inc.	CMT-1603
B3	147873-2	1	SMD 2 pin button switch	Tyco Electronics	147873-2
B4	147873-2	1	SMD 2 pin button switch	Tyco Electronics	147873-2
C2	C_100N_0402_X5R_K_10	1	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D
C3	C_100N_0402_X5R_K_10	1	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D
C7	C_47U_1206_X5R_K_6P3	1	Capacitor, 47u,1206, X5R, 10%, 6.3V	Murata	GRM31CR60J476KE19L
C8	C_1N_0402_NP0_J_50	1	Capacitor, 1n, 0402, NP0, 5%, 50V	Murata	GRM1555C1H102JA01D
C9	C_0805	1	Capacitor, general, 0805; Do not mount		
C10	C_2U2_0402_X5R_M_6P3VDC	1	Capacitor, 2u2, 0402, X5R, +/-20%, 6.3V	Murata	GRM155R60J225ME
C11	C_2U2_0402_X5R_M_6P3VDC	1	Capacitor, 2u2, 0402, X5R, +/-20%, 6.3V	Murata	GRM155R60J225ME
C21	C_2U2_0402_X5R_M_6P3VDC	1	Capacitor, 2u2, 0402, X5R, +/-20%, 6.3V	Murata	GRM155R60J225ME
C101	C_100N_0402_X5R_K_10	1	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D
C211	C_100N_0402_X5R_K_10	1	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D
C221	C_12P_0402_NP0_J_50	1	Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JA01D
C231	C_12P_0402_NP0_J_50	1	Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JA01D
C241	C_100N_0402_X5R_K_10	1	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D
C251	C_18P_0402_NP0_J_50	1	Capacitor, 18p, 0402, NP0, 5% 25V	Murata	GRM1555C1H180JZ01D
C252	C_1P0_0402_NP0_C_50	1	Capacitor, 1p, 0402, NP0, +/-0.25pF 50V	Murata	GRM1555C1H1R0CZ01D
C253	C_1P0_0402_NP0_C_50	1	Capacitor, 1p, 0402, NP0, +/-0.25pF 50V	Murata	GRM1555C1H1R0CZ01D
C261	C_18P_0402_NP0_J_50	1	Capacitor, 18p, 0402, NP0, 5% 25V	Murata	GRM1555C1H180JZ01D
C262	C_1P0_0402_NP0_C_50	1	Capacitor, 1p, 0402, NP0, +/-0.25pF 50V	Murata	GRM1555C1H1R0CZ01D
C271	C_220P_0402_NP0_J_50	1	Capacitor, 220p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H221JA01D
C281	C_100N_0402_X5R_K_10	1	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D
C311	C_100N_0402_X5R_K_10	1	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D
C321	C_15P_0402_NP0_J_50	1	Capacitor, 15p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H150JA01D
C331	C_15P_0402_NP0_J_50	1	Capacitor, 15p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H150JA01D
C391	C_1U_0402_X5R_K_6P3	1	Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R60J105KE19D
C401	C_1U_0402_X5R_K_6P3	1	Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R60J105KE19D
D1	R_0_0603	1	Resistor, 0 ohm, 0603, ±1%	Koa	RK73Z1JTDD
D2	LED_EL209EGW	1	LED, red/green, 3.0mm, 2/2.1V, 10/3,6	Everlight	209SURYSGW/S530-A3
DEBUG	STL21	1	10 pins connector	FCI	20021121-000-10C4LF
L3	L_2U2_0805_N_LQM	1	Inductor, 2u2, 0805, ±30%	Murata	LQM21PN2R2NGC
L1	L_BEAD_102_0402	1	EMI filter bead, 0402 1k ohms Tape	GHMurata	BLM15HG102SN1D
L251	L_2N0_0402_S	1	Inductor, 2n0, 0402, +/-0.3 nH	Murata	LQG15HS2N0S02D
L252	L_1N0_0402_S	1	Inductor, 1n0, 0402, Monolithic type, +/-	Murata	LQG15HS1N0S02D
L253	L_3N0_0402_S	1	Inductor, 3n0, 0402, Monolithic type, +/-	Murata	LQG15HS3N0S02D
L261	L_2N0_0402_S	1	Inductor, 2n0, 0402, +/-0.3 nH	Murata	LQG15HS2N0S02D
R2	R_2K7_0402_F	1	Resistor, 2k7 ohms, 0402, ±1%	Koa	RK73H1ETTP2701F
P1	PINROW_2	1	1x2 pinrow, 2.54mm pin header, single-r	Samtec	TSW-102-06-T-S
R11	R_270_0402_F	1	Resistor, 270 ohms, 0402, ±1%	Koa	RK73H1E270RF-MR or RK73H1ETTP2700F
R12	R_270_0402_F	1	Resistor, 270 ohms, 0402, ±1%	Koa	RK73H1E270RF-MR or RK73H1ETTP2700F
R301	R_56K_0402_F	1	Resistor, 56k ohms, 0402, ±1%	Koa	RK73H1ETTP5602F
TEST	STL21	1	10 pins connector	FCI	20021121-000-10C4LF
U1	CC2541	1	2.4 GHz SoC	TI	CC2541
U2	TPS62730	1	Step Down Converter with Bypass Mode	TI	TPS62730DRY
X1	X_32.000/10/20/60/10	1	Crystal, 32.000000MHz, FA-128, 10.0pf	Epson Toyocom	FA-128, 32MHZ, 10PPM, 10PF, 2x1.6mm, -40/+85C, 60ohms
X2	X_32.768/20/30/40/12.5	1	Crystal, 32.768kHz, FC-12M, 12.5pF	Epson Toyocom	FC-12M, 32.768kHz, 20PPM, 12.5pF
S1*	SNM-100-BK-G	1	1x2 pinrow shunt, 2.54mm pin spacing,s	Samtec	SNM-100-BK-G

Total no of components 50

* The shunt S1 is used to short the P1 pin row. The shunt should not be mounted but should be included with the board as part of the kit.