CC2540 USB Dongle Parts List 1.0

Ref.	Part name	cs/unit	Description from PurchaseLib.xls	Manufacturer	Part number	Supplier	Ordering code	Alt. Manu	Alt. Part nu	Alt. Sup	Alt. Ordering code	Comments
IO	BL31_008U	1										
U1	CC2540	1	2.4 GHz SoC	TI	CC2540	TI	CC2540					
C3	C_0402	1	Capacitor, general, 0402; Do not mount									
C5	C_0P5_0402_NP0_B_50	1	Capacitor, 0.5p, 0402, NP0, +/-0.1pF, 50V	Murata	GRM1555C1HR50BZ01D							
C101;C211;C241;C271;C311	C_100N_0402_X5R_K_10	5	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D							
C41	C_10P_0402_NP0_J_50	1	Capacitor, 10p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H100JZ01D							
C221;C231	C_12P_0402_NP0_J_50	2	Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JZ01D							
C201	C_1N_0402_NP0_J_50	1	Capacitor, 1n, 0402, NP0, 5%, 50V	Murata	GRM1555C1H102JA01D							
C391;C401	C_1U_0402_X5R_K_6P3	2	Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R60J105KE19D							
C1	C_1U_0603_X5R_L_6P3	1	Capacitor, 1u, 0603, X5R, 15%, 6.3V	Murata	GRM188R60J105KA01D	Farnell	4716607					
C272	C_220P_0402_NP0_J_50	1	Capacitor, 220p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H221JA01D							
C4	C_2U2_0402_X5R_M_4VDC	1	Capacitor, 2u2, 0402, X5R, +/-20%, 4V	Murata	GRM1555C1H2R2CD01							
C21;C31	C_47P_0402_NP0_J_50	2	Capacitor, 47p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H470JZ01D							
C2	C_4U7_0603_X5R_K_6	1	Capacitor, 4u7, 0603, X5R, 10%, 6.3V	Murata	GRM188R60J475KE19D							
FM1-3	FIDUCIAL_MARK_1MM	3	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
B1	2450BM15A0002	1	Balun, JTI matched ZIGBEE, 2400 ~ 2500 MHz, 2012-06 (EIA) 0805, SMD	Johanson Technology	2450BM15A0002	Digikey	2450BM15A0002-ND					
D1	LED_EL19-21SURC	1	LED, red-orange, 0603, 2.0V, 39mcd	Everlight	19-21SURC/S530-A2/TR8	ELFA	75-312-39					
D2	LED_EL19-21SYGC	1	LED, green, 0603, 2.0V, 16mcd	Everlight	19-21SYGC/S530-E1/TR8	ELFA	75-312-47					
L301	L_6N8_0402_J	1	Inductor, 6n8, 0402, Monolithic type, ±5%	Murata	LQG15HS6N8J02D							
L1	L_BEAD_102_0402	1	EMI filter bead, 0402 1Kohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D	ACTE						
S1-2	SKRKAEE010	2	Tactile & Jog Switches 3.9x2.9x2.0mm	Alps	SKRKAEE010	Mouser	688-SKRKAE					
R2;R92	R_0402	2	Resistor, general, 0402; Do not mount									
R3;R9;R91	R_0_0402	3	Resistor, 0 ohm, 0402	Koa	RK73Z1ETTP	ELFA	60-470-05					
R32	R_1K5_0402_G	1	Resistor, 1k5 ohms, 0402, 2%	Koa	RK73H1ETTP1501F (±1%)	ELFA	60-481-36					
R11;R71	R_270_0402_F	2	Resistor, 270 ohms, 0402, ±1%	Koa	RK73H1E270RF-MR or RK73H1ETTP2700F	ELFA	60-885-61 or 60-477-73					
R201	R_2K2_0402_G	1	Resistor, 2k2 ohms, 0402, 2%	Koa	RK73H1ETTP2201F (±1%)	ELFA	60-482-19					
R1	R_2_0402_F	1	Resistor, 2 ohms, 0402, ±1%	Koa	RK73H1ETTP2R00F							
R21;R31	R_33_0402_G	2	Resistor, 33 ohms, 0402, 2%	Koa	RK73H1ETTP33R0F (±1%)	ELFA	60-473-36					
R301	R_56K_0402_F	1	Resistor, 56k ohms, 0402, ±1%	Koa	RK73H1ETTP5602F	ELFA	60-488-96					
DEBUG	STL21	1	10 pins connector	MPE-Garry GmbH	STL21-A01XX-010-TRU	Freber						
U2	TPS76933	1	ULTRALOW-POWER 100-mA LOW-DROPOUT LINEAR REGULATORS	TI	TPS76933DBVR or -T							
P1	USB_A	1	USB Plugg A/PCB Montering	ELFA	42-197-15	Freber	CU01PAM10R0	AMP	787780-1	ELFA	42-707-40	
X1	X_32.000/10/20/60/10	1	Crystal, 32 MHz, FA-128 -40/+85C, 10pF,	Epson Toyocom	FA-128, 32MHZ, 10PPM, 10PF, 2x1.6mm, -40/+85C,	ACTE	Q22FA1280009200					
	Total	**47**										