## CC2540 USB Dongle Parts List 1.0

D	10		cs/unit Description from PurchaseLib.xls	Manufacturer	Part number	Supplier	Ordering code	Ait. Iviai	iu Ait. Part i	iui Ait. Sup	Alt. Ordering code	Comments
C3			1									•
C5	U1			TI	CC2540	TI	CC2540					
C101;C211;C241;C271;C311		C_0402	1 Capacitor, general, 0402; Do not mount									
C41 C 10P_0402_NPO_J_50 1 Capacitor, 10p_0402_NPO_S%, 50V Murata GRM1555C1H120J201D C221C231 C 12P_0402_NPO_J_50 1 Capacitor, 1n_0402_NPO_S%, 50V Murata GRM1555C1H120J201D C391;C401 C 1U_0402_XFR_6P3 1 Capacitor, 1n_0402_NPO_S%, 50V Murata GRM1555C1H120J201D C391;C401 C 1U_0402_XFR_6P3 1 Capacitor, 1n_0402_NPO_5%, 63V Murata GRM155C1H120J201D C272 C 220P_0402_NPO_J_50 1 Capacitor, 20p_0402_NPO_5%, 63V Murata GRM155C1H122J401D C4 C 2 2U_0402_XFR_M_4VDC 1 Capacitor, 20p_0402_NPO_5%, 50V Murata GRM155C1H22J401D C21;C31 C _47P_0402_NPO_J_50 2 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22J401D C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22D01 C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22D01 C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22D01 C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22D01 C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22D01 C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22D01 C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22D01 C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22D01 C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM155C1H22D01 C2 C _4UT_0603_XFR_6 1 Capacitor, 47p_0402_NPO_5%, 50V Murata GRM158C01475KE19D D1	C5	C_0P5_0402_NP0_B_50	1 Capacitor, 0.5p, 0402, NP0, +/-0.1pF, 50V	Murata	GRM1555C1HR50BZ01D							
C221;C231	C101;C211;C241;C271;C31	1 C_100N_0402_X5R_K_10	5 Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D							
C201 C_1N_0402_NPO_J_50 1 Capacitor, 1n_0402_NPO_S\$6,\$SOV Murata GRM1555C11H02JA01D C391;C401 C_1U_0603_X5R_L6P3 1 Capacitor, 1n_0402_X5R_K, 63V Murata GRM1555C11H02JA01D C1 C_220P_0402_NPO_J_50 1 Capacitor, 1n_0603_X5R_15%, 63V Murata GRM1555C11H22JA01D C27 C_220P_0402_NPO_J_50 1 Capacitor, 200_0402_NPO_J_50 1 Capacitor, 200_0402_NPO_J_50 2 Capacitor, 4P_0402_X5R_K, 4P_0402_NPO_J_50 2 Capacitor, 4P_0402_NPO_J_50 2 Capacitor, 4P_0402_NPO_J_50 2 Capacitor, 4P_0402_NPO_J_50 2 Capacitor, 4P_0402_NPO_J_50 3R_K_6 1 Capacitor, 4P		C_10P_0402_NP0_J_50	1 Capacitor, 10p, 0402, NP0, 5%, 50V	Murata								
C391;C401 C_1U_0603_XSR_L_6P3 2 Capacitor, 1u_0402_XSR_0, 6.3V Murata GRM15SR60_1105KA01D Famell 4716607 C1 C_1U_0603_XSR_L_6P3 1 Capacitor, 1u_0603_XSR_15%, 6.3V Murata GRM15SR60_1105KA01D Famell 4716607 C272 C_22D_0402_NPD_J_50 1 Capacitor, 2u_0, 0402_NPD_J_50 1 Capacitor, 2u_0, 0402_NPD_J_50 1 Capacitor, 2u_0, 0402_NPD_J_50 2 Capacitor, 4v_0, 0402_NPD_J_50 2 Capacitor, 4v_0, 0402_NPD_J_50 2 Capacitor, 4v_0, 0402_NPD_J_50 2 Capacitor, 4v_0, 0402_NPD_J_50 3 Capacitor, 4v_0, 0402_NPD_J_50 4 Capacitor, 4v_0, 0402_NPD_J_50 5 CAP_0402_NPD_J_50	C221;C231	C_12P_0402_NP0_J_50	2 Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JZ01D							
C1 C_1U_0603_XSR_L_6P3 1 Capacitor, 1u_0603_XSR_15%, 6.3V Murata GRM183R60J105KA01D Famell 4716607  C272 C_220P_0402_NP0_J5 1 Capacitor, 2u_0 0402_XSR_5, 50V Murata GRM1555C1H27LJA01D  C4 C_21U_0402_XSR_M_4VDC 1 Capacitor, 2u_0 2042_XSR_4+720%, 4V Murata GRM1555C1H27LJA01D  C21C31 C_24TP_0402_NP0_J5 0 2 Capacitor, 4tp_0402_NP0_S%, 50V Murata GRM1555C1H27LJA01D  C2 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0402_NP0_S%, 50V Murata GRM1555C1H27LJA01D  C3 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0402_NP0_S%, 50V Murata GRM1555C1H27LJA01D  C4 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0402_NP0_S%, 50V Murata GRM1555C1H27LJA01D  C5 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0402_NP0_S%, 50V Murata GRM1555C1H27LJA01D  C6 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0402_NP0_S%, 50V Murata GRM1555C1H27LJA01D  C7 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0402_NP0_S%, 50V Murata GRM1555C1H27LJA01D  C6 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6.3V Murata GRM1555C1H27LJA01D  C7 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6.3V Murata GRM1555C1H27LJA01D  C6 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6.3V Murata GRM1555C1H27LJA01D  C7 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6.3V Murata GRM1555C1H27LJA01D  C6 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6.3V Murata GRM1555C1H27LJA01D  C7 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6.3V Murata GRM1555C1H27LJA01D  C6 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6.3V Murata GRM1555C1H27LJA01D  C7 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6.3V Murata GRM1555C1H27LJA01D  C7 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6.3V Murata GRM1555C1H27LJA01D  C7 C_24TP_0403_XSR_6 1 Capacitor, 4tp_0403_XSR_10%, 6tp_0403_XSR_10%, 6tp_			1 Capacitor, 1n, 0402, NP0, 5%, 50V	Murata								
C272 C 220P 0402_NPO_J 50 1 Capacitor, 220p, 0402_NPO_5%, 50V Murata GRM1555C1H221JA01D C4 C 2U2_0402_X5R_M_4VDC 1 Capacitor, 2u2_0402_X5R_M_4VDC 1 Capacitor, 2u2_0402_X5R_M_4VDC Murata GRM1555C1H270J201D C2 C 47P_0402_NPO_J 50 2 Capacitor, 4VP, 0402_NPO_5%, 50V Murata GRM1555C1H270J201D C2 C 4U7_0603_X5R_6 1 Capacitor, 4U7_0603_X5R_10%, 6.3V Murata GRM155C1H270J201D C2 C 4U7_0603_X5R_6 1 Capacitor, 4U7_0603_X5R_10%, 6.3V Murata GRM155C1H270J201D C2 C 4U7_0603_X5R_6 1 Capacitor, 4U7_0603_X5R_10%, 6.3V Murata GRM155C1H270J201D C4 LED_EL19-21SURC 1 LED_red-orange, 0603_2.0V, 39mcd Everlight 19-21SURC/S530-A2/TR8 ELFA 75-312-39 D2 LED_EL19-21SURC 1 LED_red-orange, 0603_2.0V, 39mcd Everlight 19-21SURC/S530-A2/TR8 ELFA 75-312-47 L301 L_6N8_0402_J 1 Inductor, 6n8_0402_Monolithic type, ±5% Murata LQG15N56N3D2D L1 L6N8_0402_J 1 Inductor, 6n8_0402_Monolithic type, ±5% Murata BLM15HG102SN1D ACTE S1-2 SKRKAEE010 2 Tactile & Jog Switches 33x2_9x2_0mm Alps SKRKAEE010 Mouser 688-SKRKAE  SKRKAEE010 2 Resistor, general, 0402_D to not mount	C391;C401	C_1U_0402_X5R_K_6P3	2 Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata								
C4 C 2U2_0402_XSR_M_4VDC 1 Capacitor, 2u2_0402_XSR_H_2v296, 4V	C1	C_1U_0603_X5R_L_6P3		Murata	GRM188R60J105KA01D	Farnell	471660	7				
C21;C31			1 Capacitor, 220p, 0402, NP0, 5%, 50V	Murata								
C2		C_2U2_0402_X5R_M_4VDC	1 Capacitor, 2u2, 0402, X5R, +/-20%, 4V	Murata	GRM1555C1H2R2CD01							
FM1-3 FIDUCIAL MÄRK, IMM 3 #N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A												
B1 2450BM15A0002		C_4U7_0603_X5R_K_6	1 Capacitor, 4u7, 0603, X5R, 10%, 6.3V	Murata	GRM188R60J475KE19D							
D1 LED_EL19-21SURC 1 LED, red-orange, 0603, 2.0V, 39mcd Everlight 19-21SURC/SS30-A2/TR8 ELFA 75-312-39 D2 LED_EL19-21SVRC 1 LED, green, 0603, 2.0V, 16mcd Everlight 19-21SVRC/SS30-E1/TR8 ELFA 75-312-47 L301 L_6N8_0402_J 1 Inductor, 6n8_0402_Monthlitic 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: 10 not mount	FM1-3			#N/A		#N/A		#N/A	#N/A	#N/A	#N/A	#N/A
D2 LED_E1.9-2.1SYGC 1 LED_green_0603, 2.0V, 16mcd Everlight 19-21SYGC/S530-E1/TR8 ELFA 75-312-47 L301 L_6NB_0402_J 1 Inductor, 6nB_0402_Monolithic type, ±5% Murata LQG15HS6NBJ02D L1 LBED_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_D to not mount	B1	2450BM15A0002	1 Balun, JTI matched ZIGBEE, 2400 ~ 2500 MHz, 2012-06 (EIA) 0805, SMD	Johanson Technology	2450BM15A0002	Digikey						
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												
L1 L_BEAD_102_0402 1 EMI filter bead, 0402 1 Kohms Tape GHz Band Gen Use Murata BLM15HG102SN1D ACTE S1-2 SKRKAEE010 2 Tacilie & Jog Switches 3.9k2_9x2_0mm Alps SKRKAEE010 Mouser 688-SKRKAE R2;R92 R_0402 2 Resistor, general, 0402; Do not mount	D2	LED_EL19-21SYGC	1 LED, green, 0603, 2.0V, 16mcd	Everlight		ELFA	75-312-47					
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         688-SKRKAE	L301	L_6N8_0402_J	1 Inductor, 6n8, 0402, Monolithic type, ±5%	Murata								
R2;R92 R_0402 2 Resistor, general, 0402; Do not mount				Murata								
				Alps	SKRKAEE010	Mouser	688-SKRKAE					
D3.D0.D04 D 0.0403 3 Decistor 0.shm 0403 Vee DV7374ETTD FLEA 60.470.05	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 RK73H1EZ70RF-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				Koa		ELFA	60-482-19					
R1 R_2_0402_F 1 Resistor, 2 ohms, 0402, ±1% Koa RK73H1ETTP2R00F				Koa								
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			1 Resistor, 56k ohms, 0402, ±1%				60-488-96					
DEBUG STL21 1 10 pins connector MPE-Garry GmbH STL21-A01XX-010-TRU Freber						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				ELFA				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	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					

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