

CC85XX-CC2590EM R1.0.1

Assemble on CC85XX-CC2590EM R1.0 PCB

Ref.	Part name	Pcs/Func	Description	Manufacturer	Part number	Supplier	Ordering code	Alt. Manufacturer	Alt. Part number	Alt. Supplier	Alt. Ordering code	Comments
U2	CC2590	1	LNA and PA 10 dBm	TI	CC2590	TI	CC2590					
U1	CC85XX	1	PurePath Wireless transceiver	TI	CC85XX	TI	CC85XX					
C11;C13;C21;C103;C114	C_0402	5	Capacitor, general, 0402; Do not mount									
C101;C121;C181;C201;C231;C271;C311;C371	C_100N_0402_X5R_K_10	8	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM156R71A104KA01D							
C131	C_10P_0402_NPO_J_50	1	Capacitor, 10p, 0402, NPO, 5%, 25V	Murata	GRM1555C1H180JZ01D	ELFA	65-881-23					
C102;C132;C161	C_1N_0402_NPO_J_50	3	Capacitor, 1n, 0402, NPO, 5%, 50V	Murata	GRM1555C1H102JA01D							
C111	C_1P2_0402_NPO_C_50	1	Capacitor, 1p2, 0402, NPO, +/-0.25pF 50V	Murata	GRM1555C1H1R2C201D							
C113	C_1P8_0402_NPO_C_50	1	Capacitor, 1p8, 0402, NPO, +/-0.25pF 50V	Murata	GRM1555C1H1R8C201D							
C391;C401	C_1U_0402_X5R_K_6P3	2	Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R60J105KE19D							
C261	C_220P_0402_NPO_J_50	1	Capacitor, 220p, 0402, NPO, 5%, 50V	Murata	GRM1555C1H221JA01D							
C211;C221	C_27P_0402_NPO_J_50	2	Capacitor, 27p, 0402, NPO, 5%, 50V	Murata	GRM1555C1H270JZ01D							
C12;C104;C202	C_2U2_0402_X5R_M_4VDC	3	Capacitor, 2u2, 0402, X5R, +/-20%, 4V	Murata	GRM1555C1H2R2CD01	ELFA	65-881-23					
C112	C_6P8_0402_NPO_C_50	1	Capacitor, 6p8, 0402, NPO, +/-0.25pF 50V	Murata	GRM1555C1H6R8C201D							
L112	L_1N5_0402_S	1	Inductor, 1n5, 0402, Monolithic type, +/-0.3 nH	Murata	LOG15HS1N5S02D			Coilcraft				
L111	L_2N2_0402_B_LQW	1	Inductor, 2n2, 0402, +/-0.1nH, wire-wound type	Murata	LQW15AN2N2B00	ACTE						
L113	L_3N9_0402_B_LQW	1	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
L110;L131;L141;L151;L161;L291;L321;L331;L341;L351;L361	L_6N8_0402_J	11	Inductor, 6n8, 0402, Monolithic type, +/-5%	Murata	LOG15HS6N8J02D							
L11;L101;L202	L_BEAD_102_0402	3	EMF filter bead, 0402 1Kohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D	ACTE						
R71;R101;R241	R_0402	3	Resistor, general, 0402; Do not mount									
L171;L191;L381;R11;R21;R302	R_0_0402	6	Resistor, 0 ohm, 0402	Koa	RK73Z1ETTP	ELFA	60-470-05					
R1	R_0_0402_SPORT_2-3	1	Resistor 3 ports, 0 ohm, 0402, mounted between pad 2 and pad 3	Koa	RK73Z1ETTP	ELFA	60-470-05					
R291	R_100K_0402_F	1	Resistor, 100k ohms, 0402, +/-1%	Koa	RK73H1ETTP1003F	ELFA	60-490-19					
R361	R_10K_0402_F	1	Resistor, 10k ohms, 0402, +/-1%	Koa	RK73H1ETTP1002F	ELFA	60-485-32					
R72;R151	R_4K3_0402_G	2	Resistor, 4k3 ohms, 0402, +/-2%	Koa	RK73H1ETTP4301F	ELFA	60-483-59					
R301	R_56K_0402_F	1	Resistor, 56k ohms, 0402, +/-1%	Koa	RK73H1ETTP5602F	ELFA	60-489-96					
P3	SMA_SMD	1	SMA connector, straight SMD-mount	Hus-Tsan Group Taiwan	SMA-10V21-TGG	EC Partner A/S	SMA-10V21-TGG			AFU, Arrow		
P1-2	SMD_SOCKET_2X10	2	SMD pinrow socket, .050 spacing, 2x10	Samtec	SFM-110-02-SM-D-A-K-TR					AFU, Arrow		
X1	X_48.000/15/18/60/16	1	Cystal, 48.000000MHz, 16.0pF, +/-15ppm (FT), +/-18ppm (FS), 60 of Epson Toyocom	Epson Toyocom	FA-128 48.000000MHz, Q22FA1	Epson	Q22FA12800044					

Total number of components

66