

CC2500EM Parts list

Ref.	Part name	Pcs/unit	Description	Manufacturer	Part number
U1	CC2500	1	Single-chip transceiver	TI	CC2500
C41;C51;C111;C141	C_100N_0402_X5R_K_10	4	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D
C121;C131	C_100P_0402_NPO_J_50	2	Capacitor, 100p, 0402, NPO, 5% 50V	Murata	GRM1555C1H101JZ01D
C81;C101	C_10P_0402_NPO_J_50	2	Capacitor, 10p, 0402, NPO, 5%, 50V	Murata	GRM1555C1H100JZ01D
C122;C132	C_1P0_0402_NPO_C_50	2	Capacitor, 1p, 0402, NPO, +/-0.25pF 50V	Murata	GRM1555C1H1R0CZ01D
C124	C_1P5_0402_NPO_C_50	1	Capacitor, 1p5, 0402, NPO, +/-0.25pF, 50V	Murata	GRM1555C1H1R5CZ01D
C123	C_1P8_0402_NPO_C_50	1	Capacitor, 1p8, 0402, NPO, +/-0.25pF 50V	Murata	GRM1555C1H1R8CZ01D
C1	C_1U_0805_X7R_K_16	1	Capacitor, 1u, 0805, X7R, 10%, 16V	Murata	GRM21BR71C105KA01L
C91;C151;C181	C_220P_0402_X7R_K_50	3	Capacitor, 220p, 0402, X7R, 10%, 50V	Murata	GRM155R71H221KA01D
FM1-3	FIDUCIAL_MARK	3	#N/A	#N/A	#N/A
L121-122;L131	L_1N2_0402_S	3	Inductor, 1n2, 0402, Monolithic type, +/-0.3 nH	Murata	LQG15HS1N2S02D
L1	L_BEAD_102_0402	1	EMI filter bead, 0402 1Kohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D
R171	R_56K_0402_F	1	Resistor, 56k ohms, 0402, ±1%	Koa	RK73H1ETTP5602F
P3	SMA_SMD	1	SMA connector, straight SMD-mount	Hus-Tsan Group Taiwan	SMA-10V21-TGG
P1-2	SMD_SOCKET_2x10	2	SMD pinrow socket, .050 spacing, 2x10	Samtec	SFM-110-02-SM-D-A-K-TR
X1	X_26.000/10/10/40/10	1	Crystal, 26MHz, 10pF, 10PPM, 2x1.6mm SMD, FA128, Epson Toyocom		FA128, 26MHZ, 10PPM, 10PF (9PF)

Total no of components

New XTAL being used

Epson Toyocom FA128 26 MHz 2x1.6mm 10pF

29