

CC2531 Nano\_1\_0

Ref.	Part name	Pcs/unit	Description	Manufacturer	Part number	Supplier	Ordering code
B1	BD2425N50200A00	1	Balun single 50 ohm, diff 200 ohm	Anaren	BD2425N50200A00		
U1	CC2531	1	Single-chip transceiver	TI	CC2531	TI	CC2531
C6	C_0P5_0402_C0G_K_50	1	Capacitor, 0.5p, 0402, C0G, +/-10%, 50V	Murata	GRM1555C1HR50KZ01		
C101;C211;C241;C271;C3	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		
C321;C331	C_18P_0402_NP0_J_50	2	Capacitor, 18p, 0402, NP0, 5%, 25V	Murata	GRM1555C1H180JZ01D	ELFA	65-881-23
C391;C401	C_1U_0402_X5R_K_6P3	2	Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R60J105KE19D		
C272	C_220P_0402_NP0_J_50	1	Capacitor, 220p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H221JA01D		
C1-2	C_2U2_0402_X5R_M_6p3VDC	2	Capacitor, 2u2, 0402, X5R, +/-20%, 6.3V	Murata	GRM155R60J225ME	TTI	
C21;C31	C_47P_0402_NP0_J_50	2	Capacitor, 47p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H470JZ01D		
C4	C_4P7_0201_C0G_B_25	1	Capacitor, 4.7p, 0201, C0G, +0.1pF, 25V	Murata	GJM0335C1E4R7BB01		
L5	L_3N6_0402_S	1	Inductor, 3n6, 0402, +/-0.3 nH, 300mA	Murata	LQG15HS3N6S02D	ACTE	
L3	L_9N6_0201_J	1	Inductor, 9.6n, 0201, +/-5%, 280mA	Coilcraft	0201DS-9N6XJL		
L2	L_BEAD_102_0402	1	EMI filter bead, 0402 1k ohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D	ACTE	
R32	R_1K5_0402_G	1	Resistor, 1k5 ohms, 0402, 2%	Koa	RK73H1ETTP1501F (±1%)	ELFA	60-481-36
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
U6	TPS79933YZU	1	Single Output LDO, 200mA, Fixed(3.3V), Low Quiescent Current, Low Noise, High PSRR, DSBGA (YZU)	TI	TPS79933YZUT or -R	TI	
X1	X_32.000/10/10/40/12	1	Crystal, 32.000000MHz, FA-128, 12.0pF, +/-10ppm, (FTC: +/-10ppm at -20/75C), 60ohms	Epson Toyocom	FA-128, 32MHZ, 10PPM, 12PF, 2x1.6mm, -20/+75C	ACTE	Q22FA1280001800

Total

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