

Bill of Materials

TI DESIGNS

TIDC-CC2650-UTAG

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number
1	1	A1	2450AT07A0100	MECHANIC, ANTENNA, HIGH FREQUENCY CERAMIC, 50, 2.4GHz TO 2.5GHz, SMD	JOHANSON DIELECT	2450AT07A0100
2	1	C1	22uF	CAPACITOR, CERAMIC X5R, 22uF, 4V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	MURATA	GRM188R60G226MEA0D
3	8	C2 C3 C5 C7 C8 C9 C21 C41	100nF	CAPACITOR, CERAMIC X5R, 100nF, 6.3V, -10%/+10%, -55DEGC/+85DEGC, 0201, SMD	AVX	02016D104KAT2A
4	2	C4 C6	10uF	CAPACITOR, CERAMIC X5R, 10uF, 6.3V, -20%/+20%, -55DEGC/+85DEGC, 0402, SMD	TDK	C1005X5R0J106M050BC
5	2	C11 C12	1.2pF	CAPACITOR, CERAMIC COG/NP0, 1.2pF, 25V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0201, SMD	AVX	02013A1R2CAT2A
6	1	C13	12pF	CAPACITOR, CERAMIC COG/NP0, 12pF, 25V, -5%/+5%, -55DEGC/+125DEGC, 0201, SMD	AVX	02013A120JAT2A
7	1	C14	DNM	CAPACITOR, DO NOT MOUNT, 0201, SMD		
8	1	C19	1uF	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	MURATA	GRM155R61A105KE15D
9	1	CR1	LWQH8G-Q2S2-3K5L	OPTO, LED, InGaN, WHITE, 2.6V TO 3.1V, 0.015A, 0402, SMD	OSRAM	LW QH8G-Q2S2-3K5L-1
10	1	L1	10uH	INDUCTOR, CHIP, 10uH, -20%/+20%, IR:0.3A, -55DEGC/+125DEGC, 0603, SMD	TDK	MLZ1608N100LT000
11	1	L11	2nH	INDUCTOR, CHIP, 2nH, -0.3nH/ +0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQG15HS2N0S02D
12	1	P1	TC2030-CTX-NL	NON COMPONENT, CONNECTOR CABLE, PLUG OF NAILS, 6 PINS, 2 ROWS, SMD		
13	1	R1	102k	RESISTOR, THICK FILM, 102K, -1%/+1%, 0.05W, 30V, -55DEGC/+125DEGC, 0201, SMD	VISHAY	CRCW0201102KFKED
14	2	R2 R3	4.7k	RESISTOR, THICK FILM, 4.7k, -1%/+1%, 0.05W, 30V, -55DEGC/+155DEGC, 0201, SMD	MANUFACTURER SE	RESISTOR_0201_4.7k_+/-1%_30V_0.05W_M_+/-100ppm
15	1	R4	150	RESISTOR, THICK FILM, 150, -1%/+1%, 0.05W, 30V, -55DEGC/+155DEGC, 0201, SMD	VISHAY	CRCW0201150RFKED
16	2	SP1 SP2	CUSTOM_BATTERY_	NON COMPONENT, PAD FOR CUSTOM BATTERY CONNECTOR, 2.8x5mm WITH A DRILLED		
17	1	SW2	EVQP6LB55	SWITCH, TACT, 0.02A@15V, 0.02A, 15V, SMD	PANASONIC INDUST	EVQP6LB55
18	1	U1	CC2650	IC, ANALOG, CUSTOM, CC26XX 4x4 DCDC, QFN32, SMD	TEXAS INSTRUMENT	CC2650F128RSM
19	1	U2	KX022-1020	IC, TRANSDUCER, TRI-AXIS DIGITAL ACCELEROMETER +/-2g 4g 8g, 1.71V TO 3.6V, LGA12	KIONIX	KX022-1020
20	1	U4	TMP102	IC, TRANSDUCER, TWO-WIRE SERIAL OUTPUT TEMPERATURE SENSOR, 1.4V TO 3.6V, SMD	TEXAS INSTRUMENT	TMP102AIDRLR
21	1	Y2	24MHz	CRYSTAL, OSCILATOR, 24MHz, 7pF, -10PPM/+10PPM, -40DEGC/+85DEGC, SMD	NDK	NX2016SA 24MHz EX500A-CS07553

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