



Bill of Materials

TI DESIGNS
CC2543 BLE Sensor Broadcaster
Rev. 1.0.0

Part Reference	Quantity	Value	PCB Package	Description	MPN	Manufacturer
BT1	1	3003		BATTERY, PTH PCB LITHIUM COIN CELL BATTERY RETAINER, PTH	3003	KEYSTONE ELECTRONICS CORP
C2,C3	2	22uF	603	CAPACITOR, CERAMIC X5R, 22uF, 4V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	GRM188R60G226MEA0D	MURATA
C4,C5	2	100uF	1206	CAPACITOR, CERAMIC X5R, 100uF, 6.3V, -20%/+20%, -55DEGC/+85DEGC, 1206, SMD	GRM31CR60J107ME39L	MURATA
C6	1	470uF	6032-28	CAPACITOR, TANTALUM, 470uF, 4V, -10%/+10%, -55DEGC/+125DEGC, 6032-28, SMD	TAJ47K004RNJ	AVX
C21,C23,C24,C31,C121,C151,C181,C232,C291	9	100nF	402	CAPACITOR, CERAMIC X7R, 100nF, 10V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	GRM155R71A104KA01D	MURATA
C301	1	1uF	402	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	GRM155R61A105KE15D	MURATA
C41	1	DNM		CAPACITOR, DO NOT MOUNT, 0402, SMD		
C161,C171	2	12pF	402	CAPACITOR, CERAMIC C0G/NP0, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H120JA01D	MURATA
C231	1	220pF	402	CAPACITOR, CERAMIC C0G/NP0, 220pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H221JA01D	MURATA
FL1	1	LFB182G45BG2D280	603	FILTER, LC, BAND PASS FILTER@50R, 2450MHZ, -40DEGC/+85DEGC, 0603, SMD	LFB182G45BG2D280	MURATA
J1	1	CLP-103-02-L-D		CONNECTOR, SHROUDED HEADER, FEMALE, STRAIGHT, 2 ROWS, 6 PINS, PITCH 1.27MM, SMD	CLP-103-02-L-D	SAMTEC
R1,R2	2	4.7k	402	RESISTOR, THICK FILM, 4.7k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_4.7k_+/-1%_50V_0.063W_M_+/-100PPM	Manufacturer selection
R11,R21,R31	3	0	402	RESISTOR, JUMPER, 3 PORTS, -55DEGC/+155DEGC, 0402, SMD	RK73Z1ETTP	KOA SPEER
R32	1	10k	402	RESISTOR, THICK FILM, 10k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_10k_+/-1%_50V_0.063W_M_+/-100PPM	Manufacturer selection
R41	1	0	402	RESISTOR, THICK FILM, 0, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_0_+/-1%_50V_0.063W_M_+/-100PPM	Manufacturer selection
R251	1	56k	402	RESISTOR, THICK FILM, 56k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RK73H1ETTP5602F	KOA SPEER
U1	1	CC2543RHM	VQFN32	IC, ANALOG RF, SYSTEM-ON-CHIP FOR 2.4-GHz RF APPLICATIONS, 2V TO 3.6V, VQFN32, SMD	CC2543RHMR	TEXAS INSTRUMENTS
U2	1	SHT21	DFN8	IC, DIGITAL, HUMIDITY AND TEMPERATURE SENSOR 8/12BIT, 3.0V, DFN8, SMD	SHT21	SENSIRION
U3	1	T5400	PS0N8	IC, TRANSDUCER, BAROMETRIC PRESSURE SENSOR, 1.7V TO 3.6V, PS0N8, SMD	T5400	EPCOS
U4	1	KXTF9	LGA10	IC, TRANSDUCER, TRI-AXIS DIGITAL ACCELEROMETER, 1.8V TO 3.6V, LGA10, SMD	KXTF9-1026	KIONIX
X1	1	32MHz	SMD	CRYSTAL, OSCILATOR, 32MHz, 10pF, -10PPM/+10PPM, -40DEGC/+85DEGC, SMD	FA-128 32MHz 10pF 10PPM	Epson Toyocom

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