

CC2650 SensorTag

Rev: 1.3.0

Item Number	Part Reference	Quantity	Value	Description	MPN	Manufacturer	Part Number
	1 A1	1	DNM	MECHANIC, 2.4GHz INVERTED F ANTENNA, SMD	DN007	TEXAS INSTRUMENTS	13-00347
	2 ANT1 ANT4	2	2nH	INDUCTOR, CHIP, 2nH, -0.3nH/ +0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	LQG15HS2N0S02D	MURATA	03-06525
	3 ANT2 C17 C18 C31	4	DNM	CAPACITOR, CERAMIC, N/A VALUE, -55DEGC/+125DEGC, 0402, SMD	CAPACITOR_0402_DNM_N/A_M	MANUFACTURER SELECTION	02-04164
	4 ANT3 C11 C13	3	1pF	CAPACITOR, CERAMIC C0G/NP0, 1pF, 50V, -0.25pF/ +0.25pF, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H1R0CA01D	MURATA	02-04672
	5 ANT5 R9 R12 R26	4	0	RESISTOR, THICK FILM, 0, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_0_+/-5%_50V_0.063W_M_+/-200PPM	MANUFACTURER SELECTION	01-11587
	6 ANT6	1	0.5pF	CAPACITOR, CERAMIC C0G/NP0, 0.5pF, 50V, -0.1pF/+0.1pF, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1HR50BA01D	MURATA	02-05038
	7 BAT+	1	DNM	NON COMPONENT, BATTERY + PAD, SMD			19-00356
	8 BAT-	1	DNM	NON COMPONENT, BATTERY - PAD, SMD			19-00357
	9 BT1	1	BAT-HLD-001	BATTERY, HOLDER FOR CR2032 AND CR2025 BATTERIES, SMD	BAT-HLD-001	LINX	10-00027
	10 BZ1	1	HCS0503B	ACOUSTIC, BUZZER, 3V, -40DEGC/+85DEGC, SMD	HCS0503B	CHANGZHOU TIANYIN	11-00010
	11 C1	1	DNM	CAPACITOR, CERAMIC X5R, 2.2uF, 10V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	GRM188R61A225ME34D	MURATA	02-01132
	12 C2 C3 C4 C6 C8 C9 C12	7	100nF	CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	GRM155R70J104KA01D	MURATA	02-02323
	13 C5	1	22uF	CAPACITOR, CERAMIC X5R, 22uF, 4V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	GRM188R60G226MEA0D	MURATA	02-04481
	14 C7	1	10uF	CAPACITOR, CERAMIC X5R, 10uF, 6.3V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	GRM188R60J106ME47D	MURATA	02-02419
	15 C14 C15	2	12pF	CAPACITOR, CERAMIC C0G/NP0, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H120JA01D	MURATA	02-04168
	16 C16 C29	2	1uF	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	GRM155R61A105KE15D	MURATA	02-02381
	17 C19 C20 C21 C22 C23 C24 C25 C27 C28 C30	10	100nF	CAPACITOR, CERAMIC X5R, 100nF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0201, SMD	CAPACITOR_0201_100nF_X5R_L_+/-10%_10V	MANUFACTURER SELECTION	02-06086
	18 C26	1	10nF	CAPACITOR, CERAMIC X5R, 10nF, 10V, -10%/+10%, -55DEGC/+125DEGC, 0201, SMD	GRM033R71A103KA01D	MURATA	02-00599
	19 C32 C33	2	15pF	CAPACITOR, CERAMIC, 15pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0201, SMD	GRM0332C1H150JA01D	MURATA	02-06059
	20 CR1	1	LS L296-P2Q2-1	OPTO, LED, SUPER RED COLOR, 630nm, 1.8V TO 2.3V, 0.06A, 0603, SMD	LS L296-P2Q2-1-Z	OSRAM	15-01169
	21 CR3	1	LPL296-J2L2-25	OPTO, LED, GREEN COLOR, 562nm, 0.02A, 0.08W, 0603, SMD	LP L296-J2L2-25	OSRAM	15-01023
	22 FIDU1 FIDU2 FIDU3 FIDU4 FIDU5 FIDU6	6	DNM	FIDUCIAL MARK, ROUND 1.27MM			19-00300
	23 FL1	1	BLM18HE152SN1	FILTER, EMI, 1500@100MHZ, -55DEGC/+125DEGC, 0603, SMD	BLM18HE152SN1D	MURATA	04-00470
	24 J1	1	MS-156HF	CONNECTOR COAX RF, STRAIGHT, FEMALE, SMD	MS-156HF	HIROSE	06-02923
	25 J2	1	LSS-110-01-F-DV-A-TR	CONNECTOR, HEADER, HI-SPEED SOCKET, FEMALE, STRAIGHT, 2 ROWS,20 PINS, PITCH 0.635mm, SMD	LSS-110-01-F-DV-A-TR	SAMTEC	06-03032
	26 L1	1	10uH	INDUCTOR, CHIP, 10uH, -20%/+20%, 0.11A, -40DEGC/+85DEGC, 0805, SMD	CKS2125100M-T	TAIYO YUDEN	03-06514
	27 L2 L3	2	2.4nH	INDUCTOR, CHIP, 2.4nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	LQG15HS2N4S02D	MURATA	03-06515
	28 P1	1	BB02-BS101-KA8-025B00	CONNECTOR, HEADER, MALE, 2 ROWS, 10 PINS, PITCH 1.27mm, SMD	BB02-BS101-KA8-025B00	GRADCONN	06-03298
	29 Q1	1	BC846B	TRANSISTOR, BIPOLAR NPN, 65V, 0.1A, 0.25W, SOT-23, SMD	BC846B,215	NXP	16-00000
	30 R1	1	100k	RESISTOR, THICK FILM, 100k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_100k_+/-5%_50V_0.063W_M_+/-200PPM	MANUFACTURER SELECTION	01-11708
	31 R2 R3 R4 R5 R7 R17 R18	7	10k	RESISTOR, THICK FILM, 10K, -5%/+5%, 0.05W, 30V, -55DEGC/+125DEGC, 0201, SMD	RESISTOR_0201_10k_+/-5%_30V_0.05W_M_+/-200ppm	MANUFACTURER SELECTION	01-17546
	32 R6	1	200k	RESISTOR, THICK FILM, 200K, -1%/+1%, 0.05W, 30V, -55DEGC/+125DEGC, 0201, SMD	CRCW0201200KFKED	VISHAY DALE	01-03399
	33 R8	1	5.1	RESISTOR, THICK FILM, 5R1, -5%/+5%, 0.05W, 25V, -55DEGC/+125DEGC, 0201, SMD	RMC1/205R1JPA	KAMAYA	01-00444
	34 R10	1	680	RESISTOR, THICK FILM, 680, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_680_+/-5%_50V_0.063W_M_+/-200PPM	MANUFACTURER SELECTION	01-11656
	35 R11 R31 R32	3	0	RESISTOR, THICK FILM, 0, -1%/+1%, 0.05W, 30V, -55DEGC/+155DEGC, 0201, SMD	RESISTOR_0201_0_+/-1%_30V_0.05W_M_+/-100PPM	Manufacturer selection	01-02467
	36 R16 R50	2	2.2k	RESISTOR, THICK FILM, 2K2, -5%/+5%, 0.05W, 30V, -55DEGC/+125DEGC, 0201, SMD	CRCW02012K20JNED	VISHAY	01-04180
	37 R21 R22	2	270	RESISTOR, THIN FILM, 270, -5%/+5%, 0.0625W, 50V, -55DEGC/+125DEGCC, 0402, SMD	RESISTOR_0402_270_+/-1%_50V_0.063W_M_+/-200PPM	MANUFACTURER SELECTION	01-01090
	38 R23	1	DNM	RESISTOR, DO NOT MOUNT, 0402, SMD	DNM	DO NOT MOUNT	01-02472
	39 R27	1	150	RESISTOR, THICK FILM, 150, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_150_+/-5%_50V_0.063W_M_+/-200PPM	MANUFACTURER SELECTION	01-11640
	40 R28	1	100k	RESISTOR, THICK FILM, 100K, -5%/+5%, 0.05W, 30V, -55DEGC/+125DEGC, 0201, SMD	RESISTOR_0201_100k_+/-5%_30V_0.05W_M_+/-200PPM	MANUFACTURER SELECTION	01-17537
	41 SW1 SW2	2	MTA2-WNC	SWITCH, TACT SWITCH, RIGHT ANGLE, 0.05A@12VDC, SMD	MTA2-WNC-V-T/R	DIPTRONICS	08-00142
	42 SW3	1	MK24-A	SWITCH, OTHER, REED SENSOR, SPST-NO, PULL-IN:23AT TO 50AT, 0.3A@60V, 0.3A, 60V, SMD	MK24-A-3	MEDER	08-00137
	43 U1	1	CC2650F128RGZR	IC, DIGITAL, TEXAS INSTRUMENTS CUSTOM 26xx, QFN48, SMD	CC2650F128RGZR	TEXAS INSTRUMENTS	18-28499
	44 U2	1	TPS22910AYZV	IC, ANALOG, LOW ON-RESISTANCE LOAD SWITCH WITH CONTROLLED TURN-ON, ENABLE:ACTIVE LOW, 1.4V TO 5.5V, DSBGA4, SMD	TPS22910AYZVR	TEXAS INSTRUMENTS	18-29653
	45 U3	1	BMP280	IC, TRANSDUCER PRESSURE, 300 to 110 hPa, 1.71V TO 3.6V, LGA8, SMD	BMP280	BOSCH	18-28617
	46 U4	1	TMP007	IC, TRANSDUCER, INFRARED THERMOPILE SENSOR, 2.5V TO 5.5V, DSBGA8, SMD	TMP007AIYZFR	TEXAS INSTRUMENTS	18-29441
	47 U6	1	SPH0641LU4H	IC, DIGITAL, MICROPHONE WITH MULTIPLE PERFORMANCE MODE, 1.62V TO 3.6V, SMD	SPH0641LU4H	KNOWLES	18-28648
	48 U7	1	OPT3001	IC, ANALOG, OPT3001, SON6, SMD	OPT3001	TEXAS INSTRUMENTS	18-28621
	49 U8	1	MPU-9250	IC, TRANSDUCER, 3-AXIS ACCELEROMETER, 3-AXIS GYROSCOPE, 2.4V TO 3.6V, QFN24, SMD	MPU-9250	INVENSENSE	18-29442
	50 U9	1	HDC1000YPA	IC, TRANSDUCER, LOW POWER, HIGH ACCURACY DIGITAL HUMIDITY SENSOR WITH INTEGRATED TEMPERATURE SENSOR, 2.7V TO 5.5V, DSBGA8, SMD	HDC1000YPAR	TEXAS INSTRUMENTS	18-31481
	51 U10	1	W25X40CLUXI	IC, MEMORY, DUAL SPI, 4Mbit SERIAL FLASH, 2.3V TO 3.6V, USON-8, SMD	W25X40CLUXIG	WINBOND	18-31620
	52 Y1	1	32.768kHz	CRYSTAL, RESONATOR, 32.768kHz, -20PPM/+20PPM, -40DEGC/+85DEGC, SMD	FC-135 32.7680KA-AG0	EPSON	12-00546
	53 Y2	1	24MHz	CRYSTAL, CRYSTAL OSCILLATOR, 24MHz, -15PPM/DEGC/+15PPM/DEGC, -40DEGC/+85DEGC, SMD	TSX-3225 24.0000MF15X-AC3	EPSON	12-00757

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