

Part Reference	Quantity	Value	PCB Package	Description	MPN	Manufacturer	Part Number
C2 C5	2	2.2uF	0603	CAPACITOR, CERAMIC X5R, 2.2uF, 10V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	GRM188R61A225ME34D	MURATA	02-01132
C3 C41	2	1uF	0603	CAPACITORS, CERAMIC, 1uF, 15%, X5R, 10V, 0603, SMD	GRM188R61A105KA61D	MURATA	02-01389
C4	1	DNM		CAPACITOR, DO NOT MOUNT, 0603, SMD			02-01324
C21 C31	2	47pF	0402	CAPACITOR, CERAMIC COG/NPO, 47pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H470JA01D	MURATA	02-04366
C101 C151 C241 C331 C361 C391 C431	7	100nF	0402	CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	GRM155R70J104KA01D	MURATA	02-02323
C281	1	1nF	0402	CAPACITOR, CERAMIC X7R, 1nF, 50V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	GRM155R71H102KA01D	MURATA	02-02070
C321 C551 C561 C3108	4	1uF	0402	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	GRM155R61A105KE15D	MURATA	02-02381
C341 C351 C3106 C3131	4	12pF	0402	CAPACITOR, CERAMIC COG/NPO, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H120JA01D	MURATA	02-04168
C392	1	220pF	0402	CAPACITOR, CERAMIC COG/NPO, 220pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H221JA01D	MURATA	02-01276
C441 C451	2	22pF	0402	CAPACITOR, CERAMIC COG/NPO, 22pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H220JA01D	MURATA	02-04373
C3101 C3103	2	2.2pF	0402	CAPACITOR, CERAMIC COG/NPO, 2.2pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H2R2CA01D	MURATA	02-04605
C3105	1	0.2pF	0402	CAPACITOR, CERAMIC COG/NPO, 0.2pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1HR20BA01D	MURATA	02-04165
C3107	1	1nF	0402	CAPACITOR, CERAMIC COG/NPO, 1nF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	CAPACITOR_0402_1nF_COG/NPO_M_+/-5%_50V	MANUFACTURER SELECTION	02-04728
C3109 C3111 C3133	3	DNM		CAPACITOR, DO NOT MOUNT, 0402, SMD			02-01321
C3110	1	18pF	0402	CAPACITOR, CERAMIC COG/NPO, 18pF, 50V, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H180JA01D	MURATA	02-02407
C3132	1	1nF	0402	CAPACITOR, CERAMIC X7R, 1nF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	CAPACITOR_0402_1nF_X7R_M_+/-5%_50V	Manufacturer selection	02-03019
FL1 FL2	2	BLM18HE152SN1	0603	FILTER, EMI, 1500@100MHz, -55DEGC/+125DEGC, 0603, SMD	BLM18HE152SN1D	MURATA	04-00470
J1	1	1981568-1		CONNECTOR, USB-B, 5 PINS, PITCH 0.65mm, SMD	1981568-1	Tyco	06-02244
J3	1	SMA-10V21-TGG		CONNECTOR, COAX RF, STRAIGHT, FEMALE, 1 PIN, SMD	SMA-10V21-TGG	HUS-TSAN	06-02188
L3101	1	4.7nH	0402	INDUCTOR, CHIP, 4.7nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	LQG15HS4N7502D	MURATA	03-06631
L3102	1	1nH	0402	INDUCTOR, CHIP, 1nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	LQG15HS1N0502D	MURATA	03-06607
L3104	1	2nH	0402	INDUCTOR, CHIP, 2nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	LQG15HS2N0502D	MURATA	03-06525
L3231	1	DNM		INDUCTOR, DO NOT MOUNT, 0402, SMD			03-01022
P1 P2	2	SFM-110-02-S-D-A-K-TR		CONNECTOR, HEADER, FEMALE, STRAIGHT, 2 ROWS, 20 PINS, PITCH 1.27mm, SMD	SFM-110-02-SM-D-A-K-TR	SAMTEC	06-02251
P5	1	BB02-HP041-KB3-060B00		CONNECTOR, HEADER, STRAIGHT, MALE, 4 PINS, 2 ROWS, 2.54mm PITCH, SMD	BB02-HP041-KB3-060B00	GradConn Cable	06-02190
P6	1	DNM		CONNECTOR, HEADER, MALE, STRAIGHT, 1 ROW, 2 PINS, PITCH 2.54mm, PTH	826629-2	AMP TYCO ELECTRONICS CORPO	06-00059
R1 R111 R121 R271 R442 R452	6	DNM		RESISTOR, DO NOT MOUNT, 0402, SMD			01-02475
R21 R31	2	33	0402	RESISTOR, THICK FILM, 33, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RK73H1ETTP33R0F	KOA SPEER	01-16853
R32	1	1.5k	0402	RESISTOR, THICK FILM, 1.5k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RK73H1ETTP1501F	KOA SPEER	01-16854
R281	1	2.2k	0402	RESISTOR, THICK FILM, 2.2k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RK73H1ETTP2201F	KOA SPEER	01-11503
R421	1	56k	0402	RESISTOR, THICK FILM, 56k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	CRCW040256K0JNED	VISHAY	01-01262
R441 R451	2	0	0402	RESISTOR, JUMPER, -55DEGC/+155DEGC, 0402, SMD	RK73Z1ETTP	KOA SPEER	01-01784
R3051 R3061 R3071	3	10k	0402	RESISTOR, THICK FILM, 10k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	CRCW040210K0JNED	VISHAY	01-01244
R3081	1	3.9k	0402	RESISTOR, THICK FILM, 3.9k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_3.9k_+/-1%_50V_0.063W_M_+/-10	MANUFACTURER SELECTION	01-12675
SC1	1	BMIS-201-F		MECHANICAL, FRAME, SMD	BMIS-201-F	LAIRD	13-00503
SC2	1	BMIS-201-C		MECHANICAL, COVER, NOT APPLY	BMIS-201-C	LAIRD	13-00502
U1	1	CC2538SF53RTQT	VQFN56	IC, ANALOG, POWER SYSTEM-ON-CHIP FOR 2.4GHz IEEE 802.15.4 ZigBee, 2V TO 3.6V, -40DEGC/+125	CC2538SF53RTQT	TEXAS INSTRUMENTS	18-29079
U2	1	TLV70233	SOT23-5	IC, ANALOG, LOW-DROPOUT REGLATOR, VIN:2V TO 5.5V, VOUT:3.3V, SOT23-5, SMD	TLV70233DBVR	TEXAS INSTRUMENTS	18-28503
U3	1	CC2592	QFN16	IC, ANALOG, 2.4GHz RF FRONT END, 2V TO 3.7V, QFN16, SMD	CC2592	TEXAS INSTRUMENTS	18-28661
X1	1	32MHz	SMD	CRYSTAL, OSCILATOR, 32MHz, 10pF, -10PPM/+10PPM, -40DEGC/+85DEGC, SMD	FA-128 32MHz 10pF 10PPM	Epson Toyocom	12-00422
X2	1	32.768kHz		CRYSTAL, OSCILATOR, 32.768kHz, -20PPM/+ 20PPM, -40DEGC/+85DEGC, 12.5pF, SMD	FC-12M 32.768kHz 20ppm	Epson Toyocom	12-00430