





























sEHnsor_bom.xlsx

Qty	Value	Device	Package
1	FRACTUS-2.4GHZ-FR05-S1-N-0-001	FRACTUS-2.4GHZ-FR05-S1-N-0-001	FRACTUS-ANTENNA-FR05-S1-N-0-001
1	2450BM15A0002	2450BM15A0002	2450BM
2	12pF	CAPACITOR	0402_CAP
1	220pF	CAPACITOR	0402_CAP
1	1nF	CAPACITOR	0402_CAP
8	0.1uF	CAPACITOR	0402_CAP
3	1uF	CAPACITOR	0402_CAP
1	2.2uF	CAPACITOR	0402_CAP
1	GECKO_POWER_SUPPLY_CONN	GECKO_POWER_SUPPLY_CONN	HEADER1X6/0.05IN
1	TC2030-CTX-NL	TC2030-CTX-NL	TC2030-IDC-NL
1	MOSFET-NCHANNELXFDN-3	MOSFET-NCHANNELXFDN-3	XFDN-3
2	2.2k	RESISTOR	0402_RES
3	4.7k	RESISTOR	0402_RES
1	56k	RESISTOR	0402_RES
1	4.7M	RESISTOR	0402_RES
1	DS2411	DS2411	SOT-23
1	FM25LBTDFN-8	FM25LBTDFN-8	TDFN-8
1	CC2538	CC2538	S-PVQFN-N56
1	EPSON-FA-128	EPSON-FA-128	FA-128

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Parts	Description	DIGIKEY
A1	Fractus Reach Xtend	
B1	BALUN JTI MATCHED ZIGBEE	712-1536-1-ND
C1, C2	0402 Capacitor	
C3	0402 Capacitor	
C4	0402 Capacitor	
C5, C6, C7, C8, C9, C10, C11, C12	0402 Capacitor	
C13, C14, C15	0402 Capacitor	
C18	0402 Capacitor	
J1	Header on the gecko power supply board.	
J2	Tag Connect footprint for ARM JTAG.	
Q1	Generic NMOS footprint	DMN2400UFB4-7DICT-ND
R1, R2	Resistor	
R3, R4, R5	Resistor	
R6	Resistor	
R7	Resistor	
U1	Maxim DS2411	DS2411R+CT-ND
U2	IC FRAM 4KBIT 10MHZ 8SOIC	FM25L04B-DGRA-ND
U3	A Powerful System-On-Chip for 2.4-GHz IEEE 802.15.4, 6LoWPAN	296-35797-1-ND
X1	MHz RANGE CRYSTAL UNIT	

MOUSER	NEWARK	RICHARDSON_RFPD
		FR05-S1-N-0001B

877-FM25L04B-DG
595-CC2538SF53RTQT 87W7713