































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	MOSFET-NCHANNELXFDN-3	MOSFET-NCHANNELXFDN-3	XFDNFN-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	445-1236-1-ND
C3	0402 Capacitor	445-1251-1-ND
C4	0402 Capacitor	445-2651-1-ND
C5, C6, C7, C8, C9, C10, C11, C12	0402 Capacitor	445-1265-1-ND
C13, C14, C15	0402 Capacitor	445-4998-1-ND
C16	0402 Capacitor	445-10882-1-ND
J1	Header on the gecko power supply board.	TMS-106-51-G-S-ND
Q1	Generic NMOS footprint	DMN2400UFB4-7DICT-ND
R1, R2	Resistor	RHM2.2KCECT-ND
R3, R4, R5	Resistor	RHM4.7KCECT-ND
R6	Resistor	RHM56KBHCT-ND
R7	Resistor	541-4.7MJCT-ND
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	SER3800CT-ND

MOUSER	NEWARK	RICHARDSON_RFPD
		FR05-S1-N-0001B

877-FM25L04B-DG
595-CC2538SF53RTQT 87W7713
732-FA128-32F20X-K3