sEHnsor

REV: >REV

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sEHnsor

A1

2013/08/12

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C2 X1 C14 C R1 C9 R7 C5 R4
C C16 C16 C18 C16 C13 C15
C11
C3
R6 C12 C13 C15

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A1

2013/08/12

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X1
C2
C14 C4 R1 C9
C8
C16
R7 C5 R4

C1
C6
C10

R11

Q2

C7

C11

R2
C3
R3 D3

R6
C13
C15

C12

U1

sEHnsor

A1

C2 X1 C1 C4 R1 C9 R7 C5 R4

C8

C16

2013/08/12 C14 C6 C10

B1

U2 Q1

C7

C11

R2

R3 R5

U1

C3

U3

R6

C12 C13 C15

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A1

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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

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	