

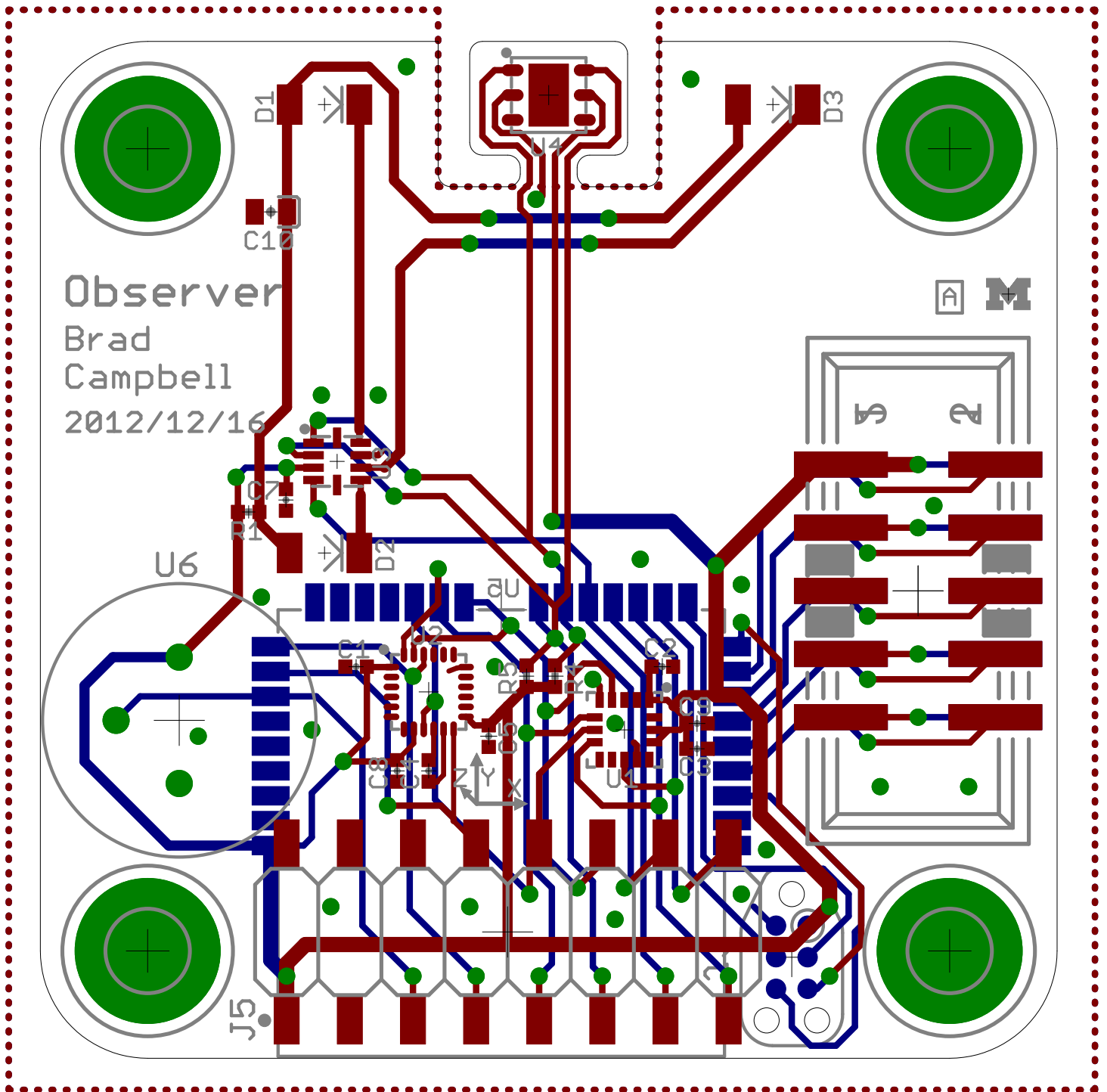
Observer

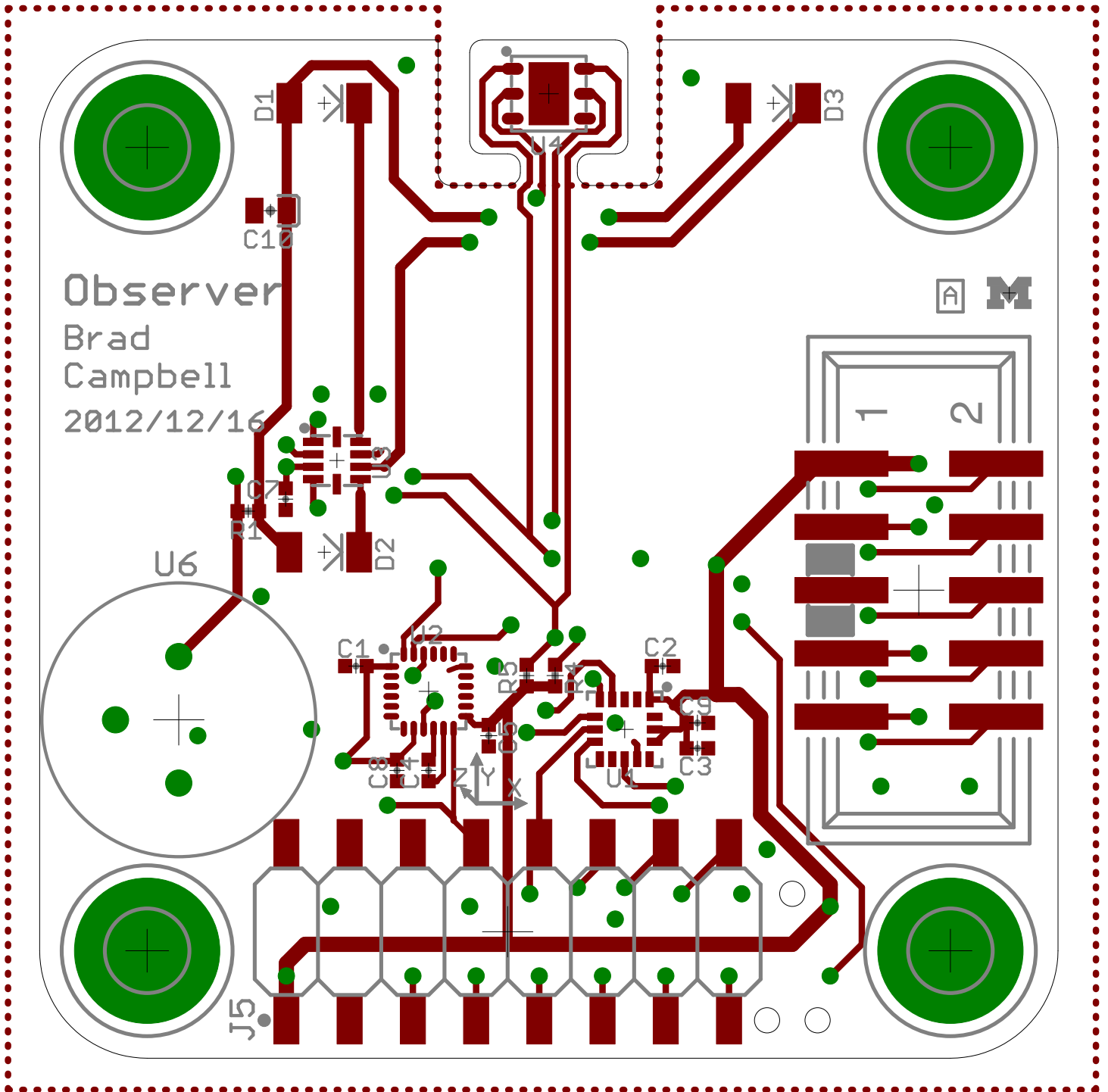
REV: A

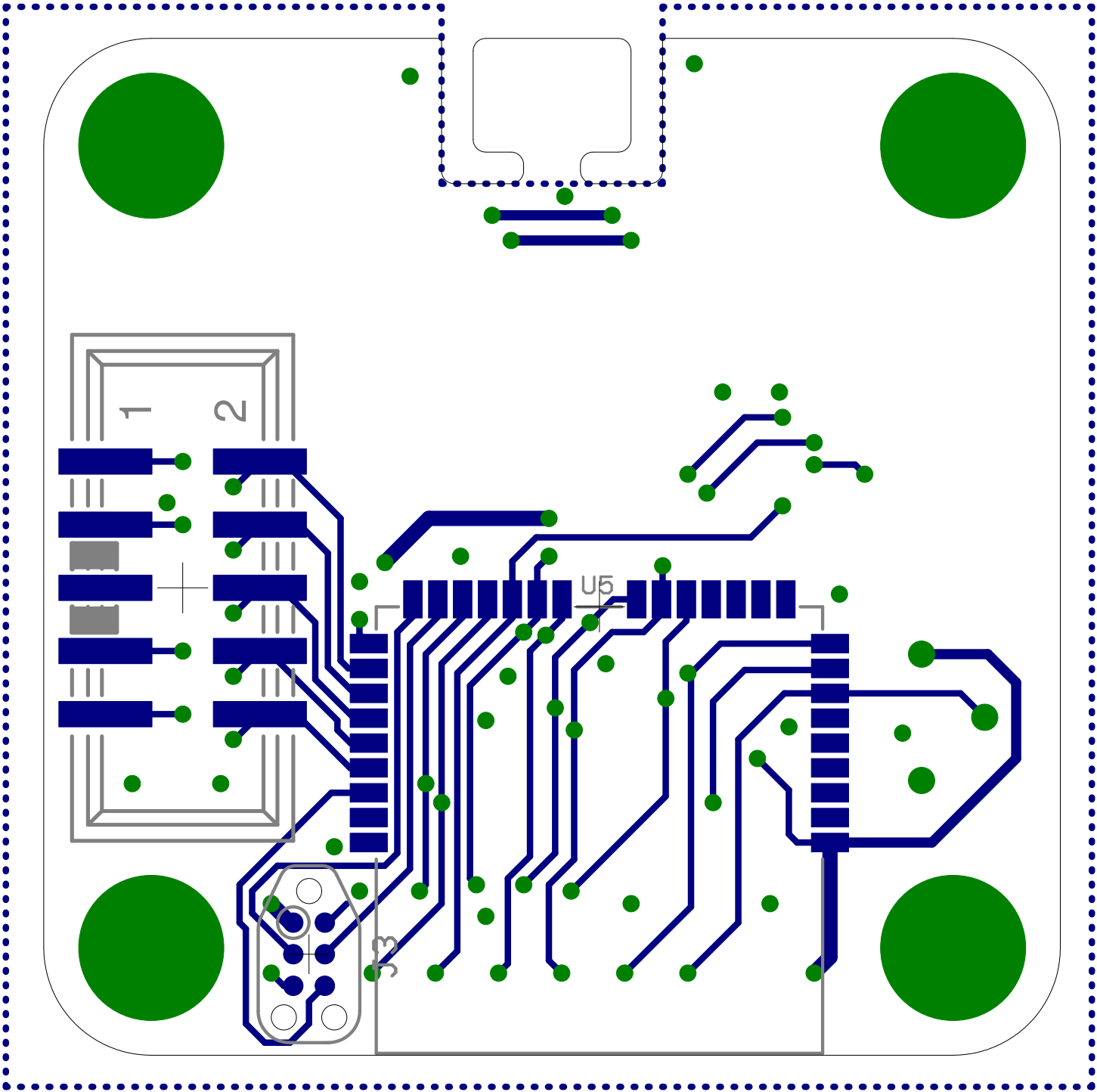
Author: Brad Campbell

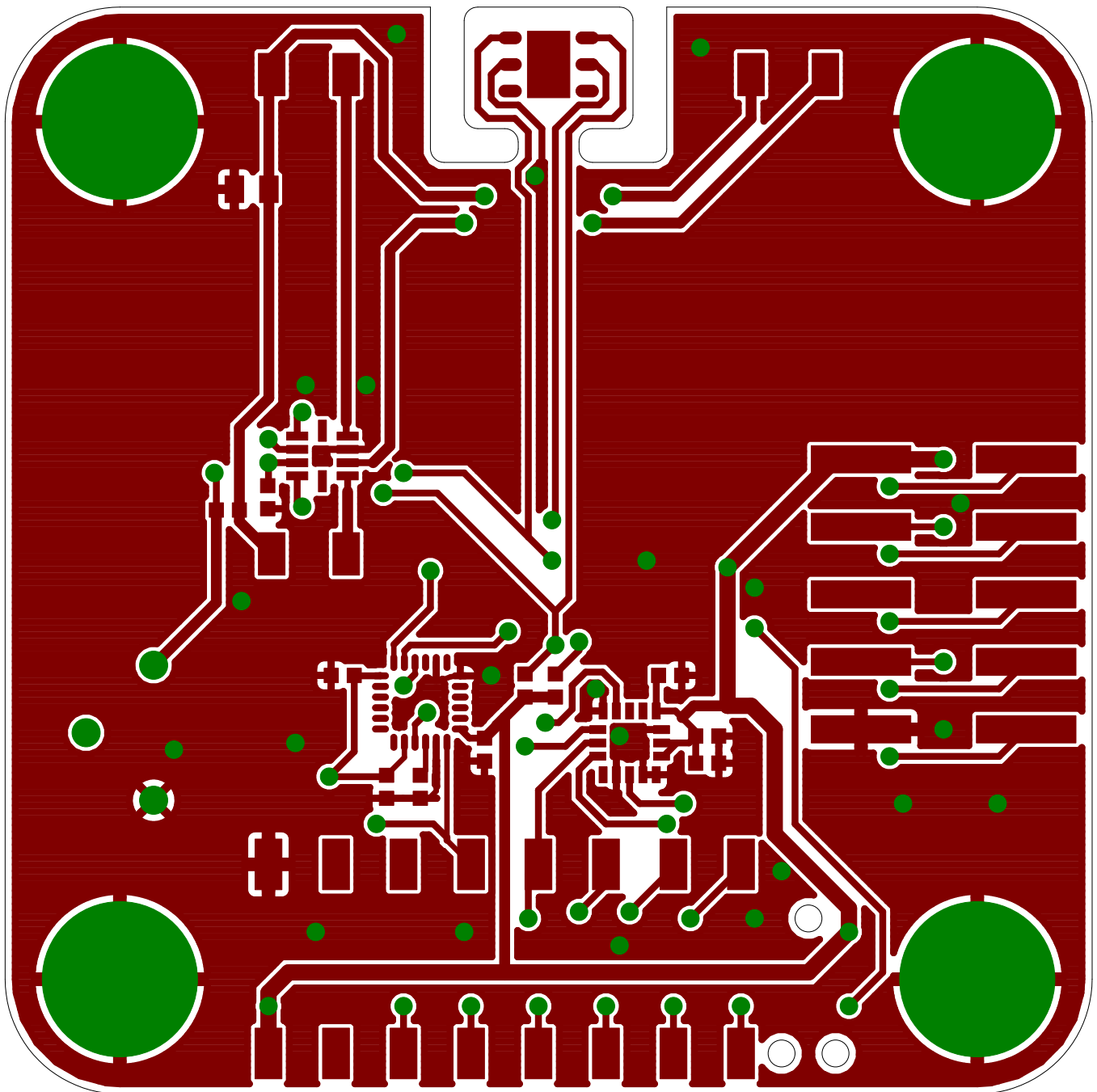
Date: 12/16/14 6:30 PM

Sheet: 1/1

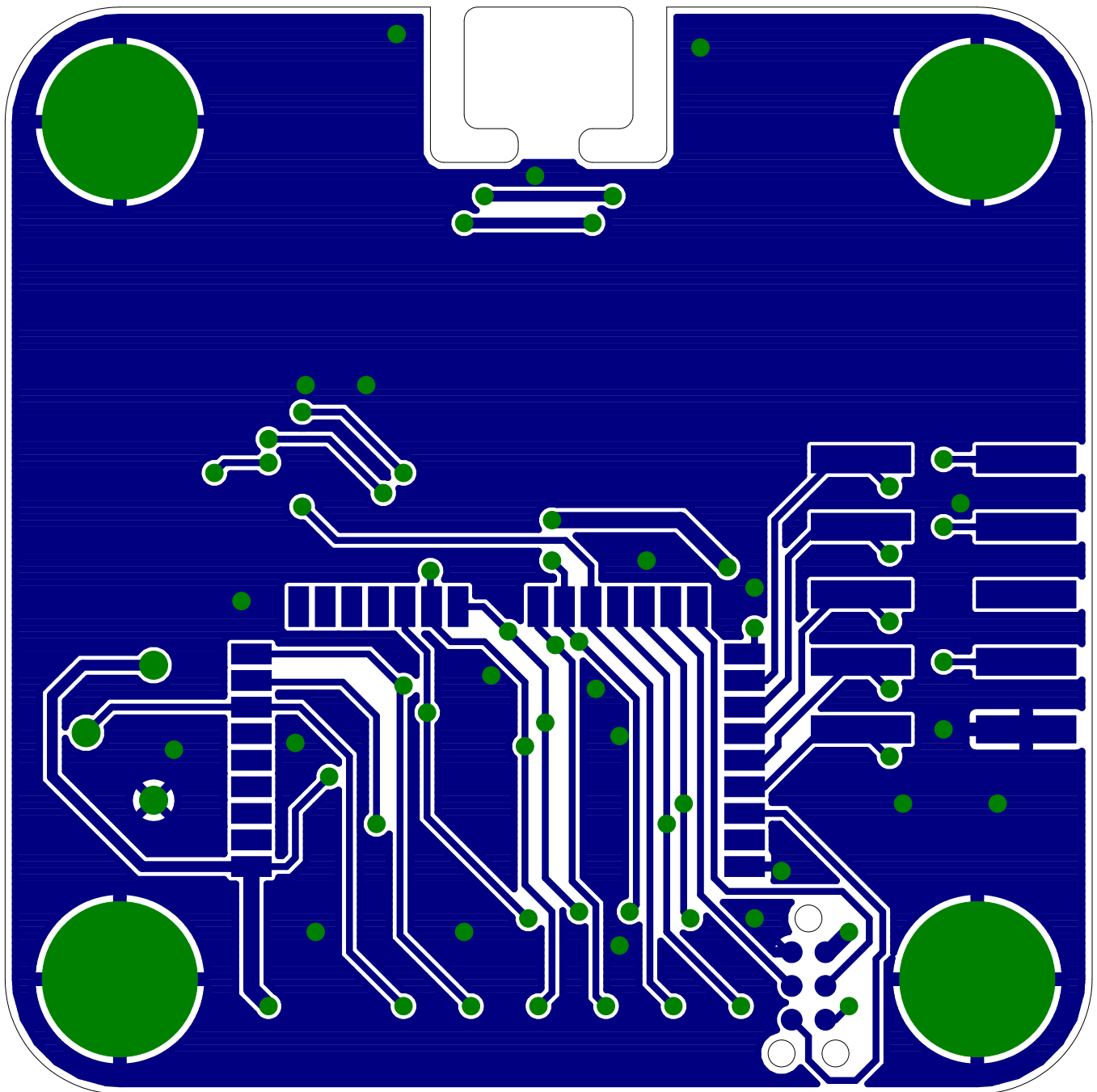


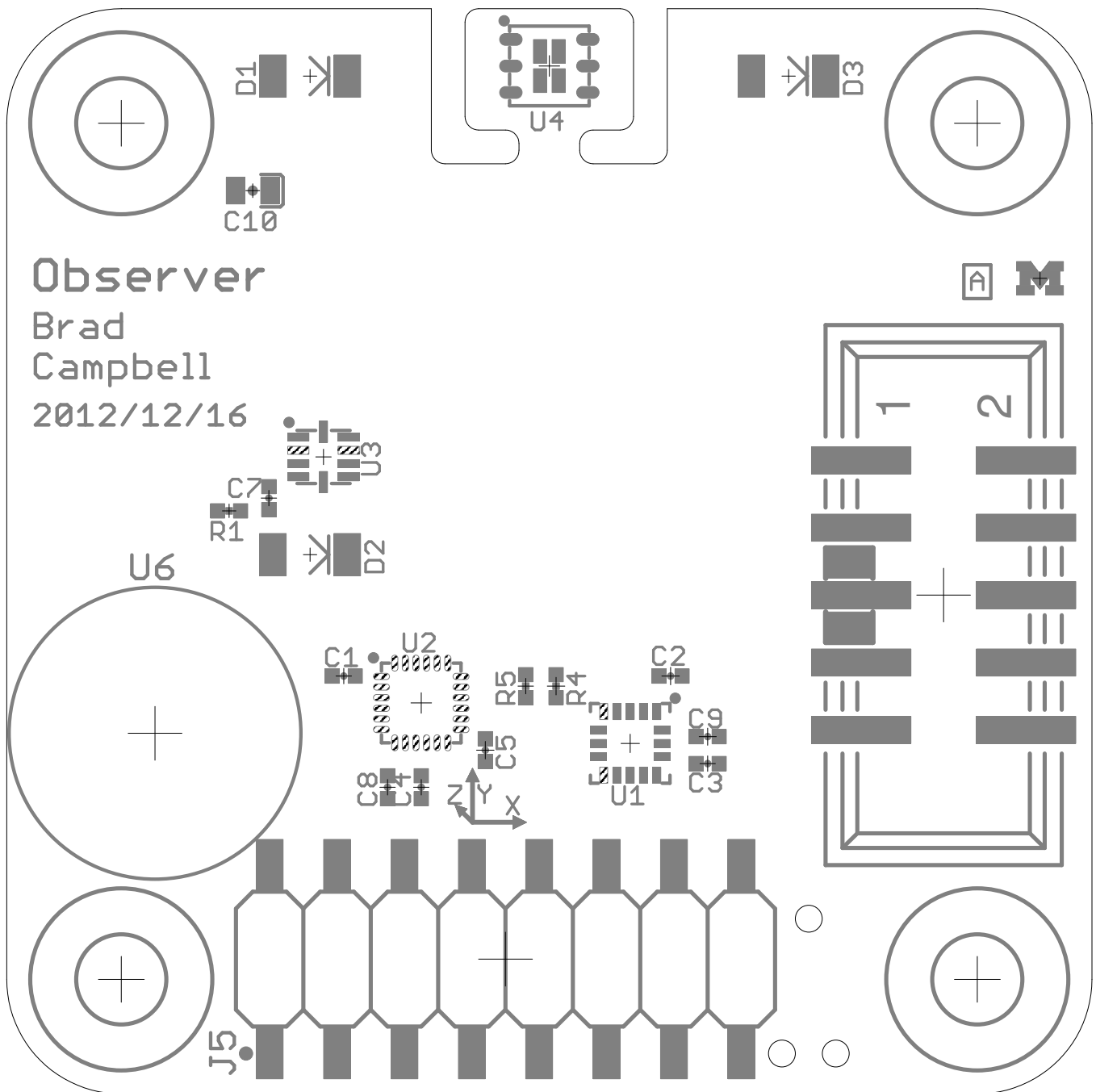


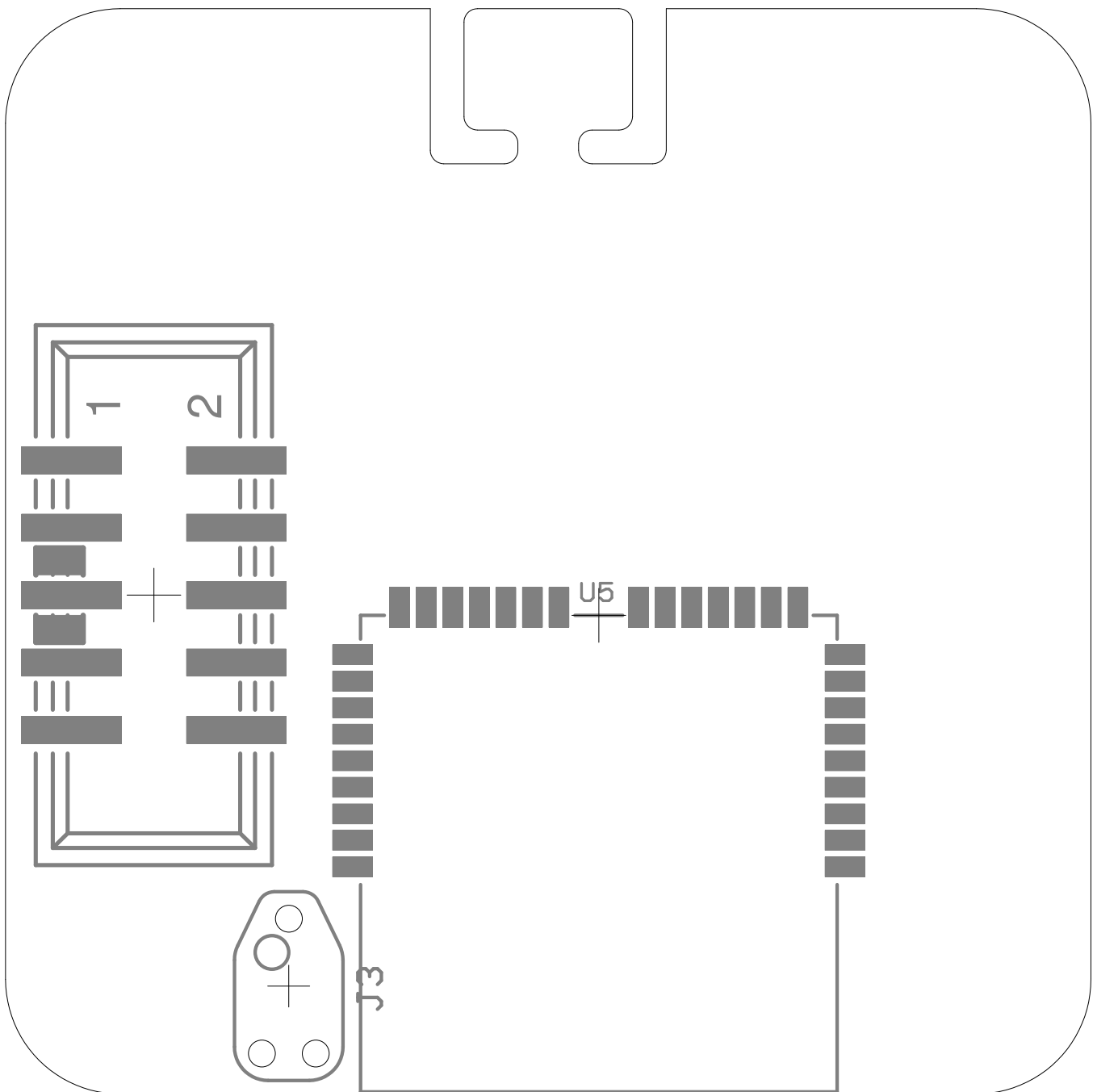




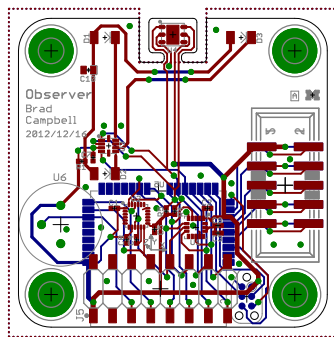
Bottom Copper Layer



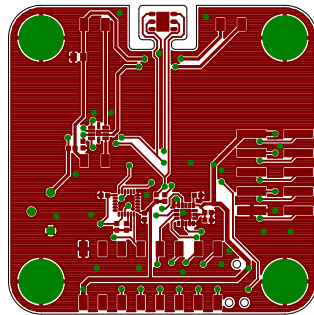




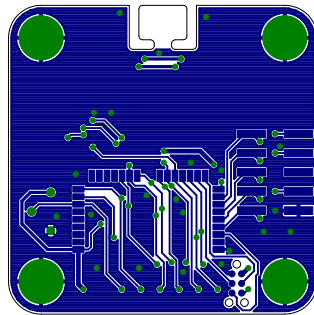
Top and Bottom Layers 1:1 Scale



Top Layer 1:1 Scale



Bottom Copper Layer 1:1 Scale



Sheet1

Qty	Value	Device
1	10nF	CAPACITOR
6	0.1uF	CAPACITOR
1	10uF	CAPACITOR
1	22uF	CAP_POL0603
3	SFH4056	SFH4056
2	CON_HEADER_2X05-SMD+SHROUDED	CON_HEADER_2X05-SMD+SHROUDED
1	PINHD-2X8/SMD	PINHD-2X8/SMD
1	30	RESISTOR0402_RES
2	10k	RESISTOR0402_RES
1	LPS331AP	LPS331AP
1	MPU-9250	MPU-9250
1	SI1147	SI1147
1	SI7021	SI7021
1	ATUM	ATUM
1	AMN41121	AMN41121

Sheet1

Package	Parts	Description
0402_CAP	C1	0402 Capacitor
0402_CAP	C2, C3, C4, C5, C7, C8	0402 Capacitor
0402_CAP	C9	0402 Capacitor
CAP0603	C10	
SFH4056	D1, D2, D3	LED IR EMITTER 850NM
PINSHRD_SMT_2X05	J1, J2	2x05 pin header
2X8/SMD	J5	
0402_RES	R1	Resistor
0402_RES	R4, R5	Resistor
HCLGA-16/3MM	U1	IC PRESSURE SENSOR PIEZO 16HCLGA
QFN-24/3MM	U2	GYRO/ACCEL/COMPASS/9-AXIS
QFN-10/2MM	U3	SENSOR DGTL UV INDEX 10QFN
DFN-6/3MM	U4	IC TEMP SENSOR RH 2% DFN
ATUM	U5	Atum sensorboard prototyping module.
AMN2	U6	Passive infrared human detection sensor with built-in amp.

DIGIKEY

490-1312-1-ND

490-1318-1-ND

445-8919-1-ND

511-1493-1-ND

475-3042-1-ND

S9185-ND

609-3486-1-ND

RHM30CECT-ND

RHM10.0KCDCT-ND

497-12927-1-ND

1428-1019-1-ND

336-2624-1-ND

336-2542-1-ND

255-2651-ND