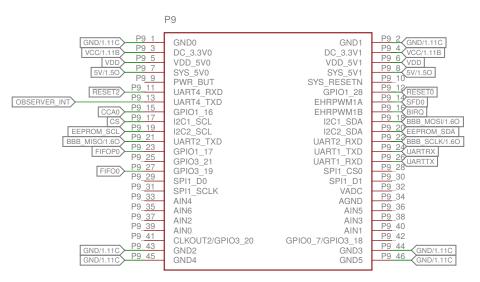
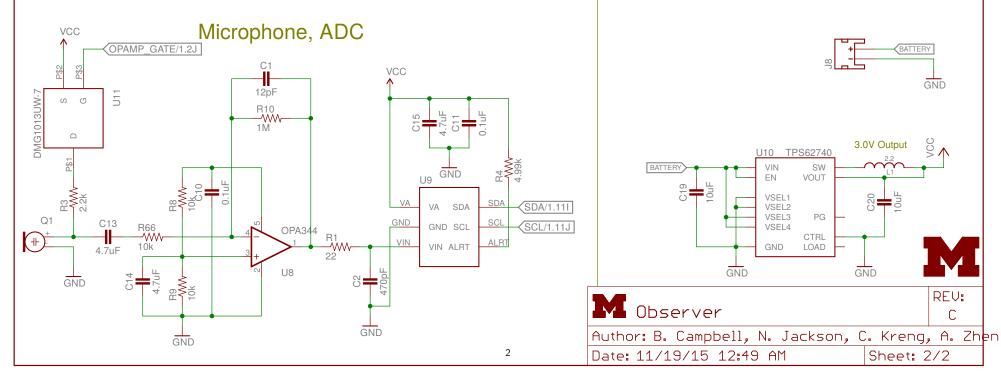
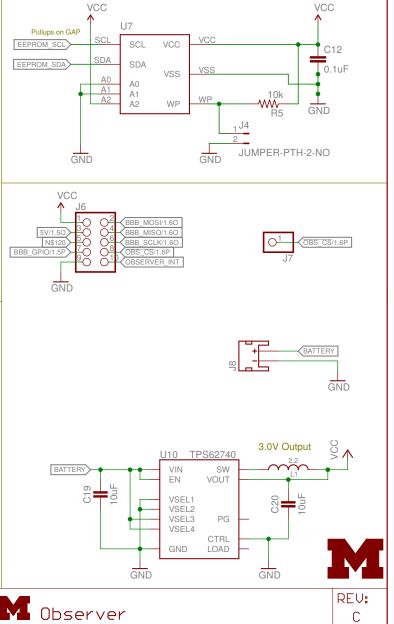


BeagleBone Black Header

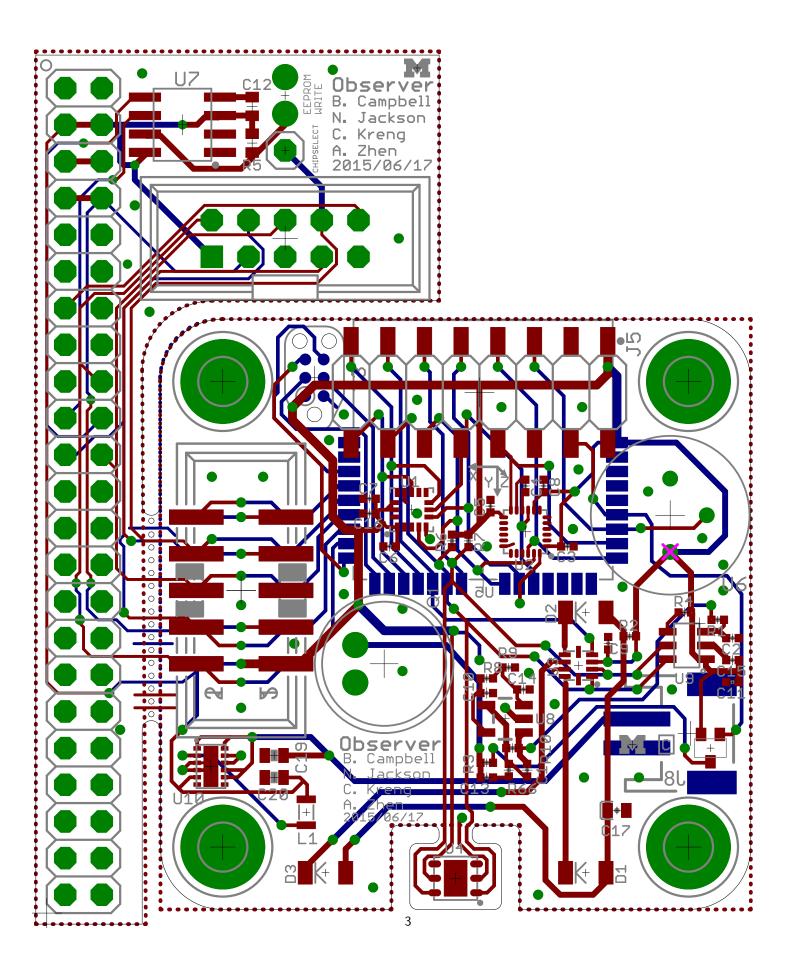


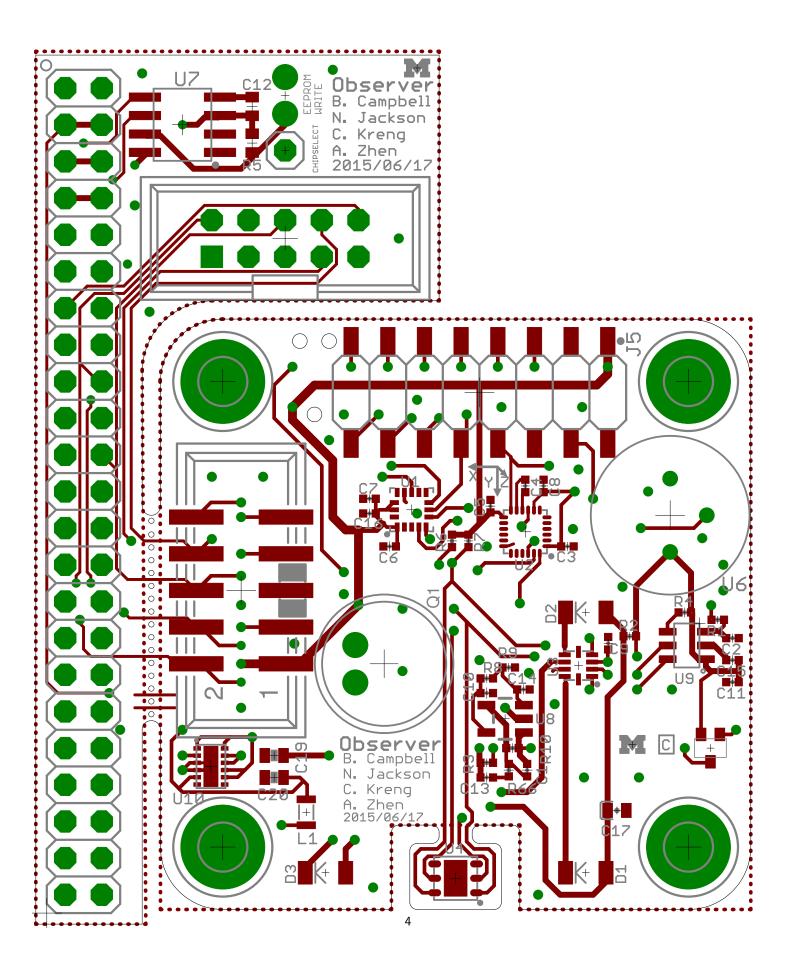


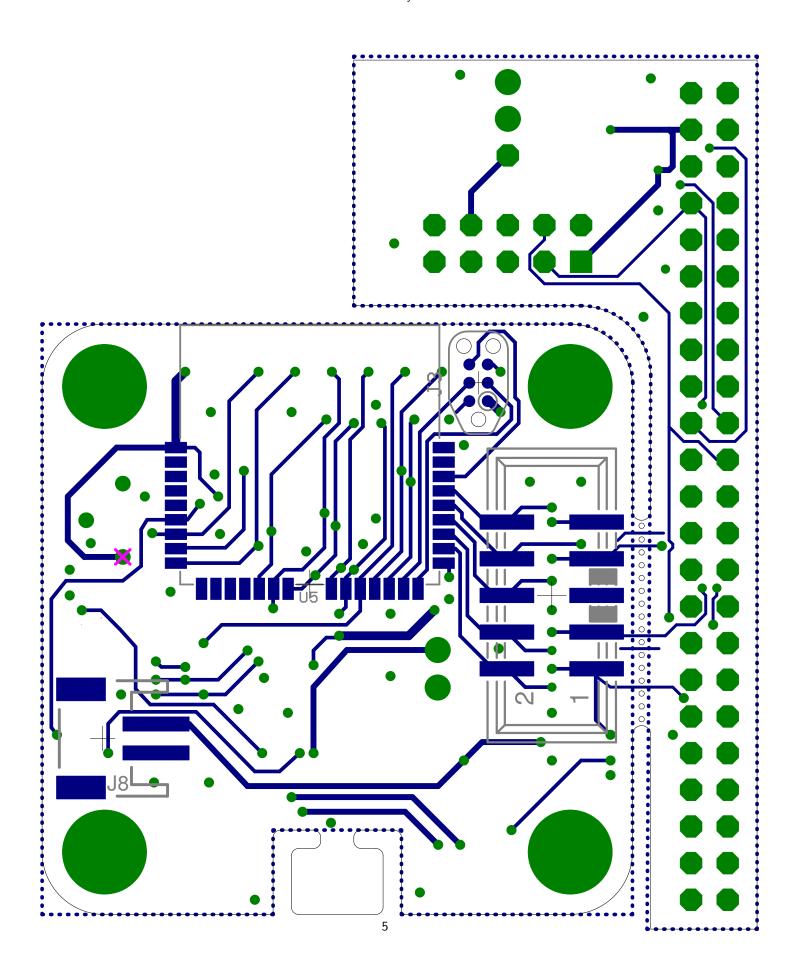


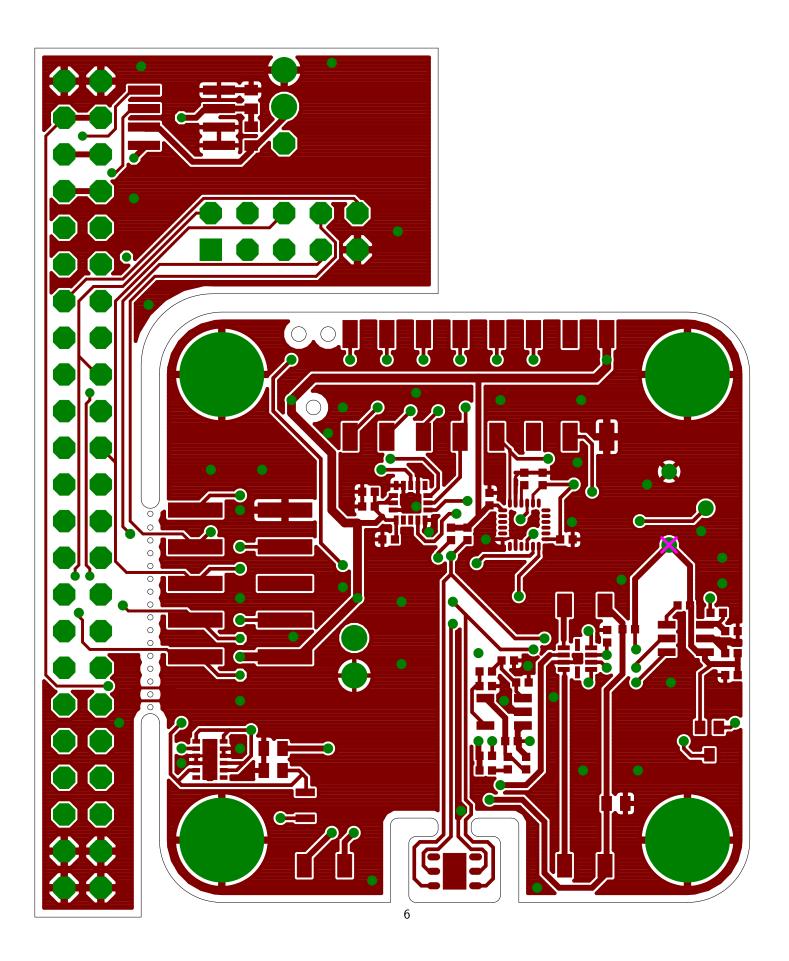
Sheet: 2/2

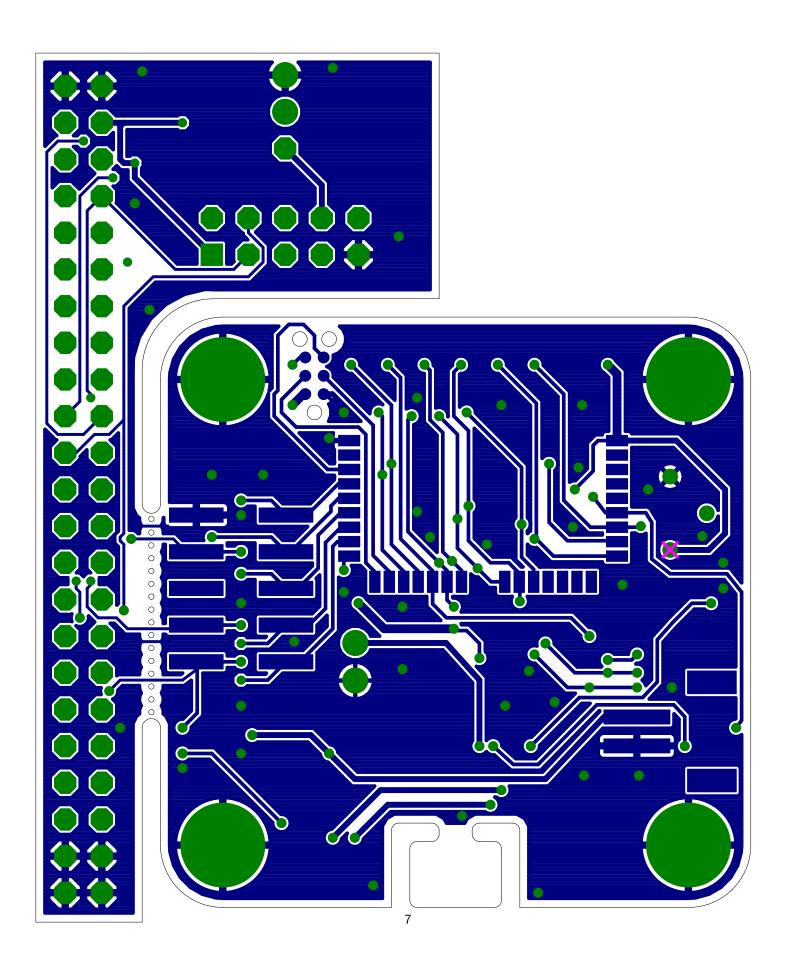
EEPROM

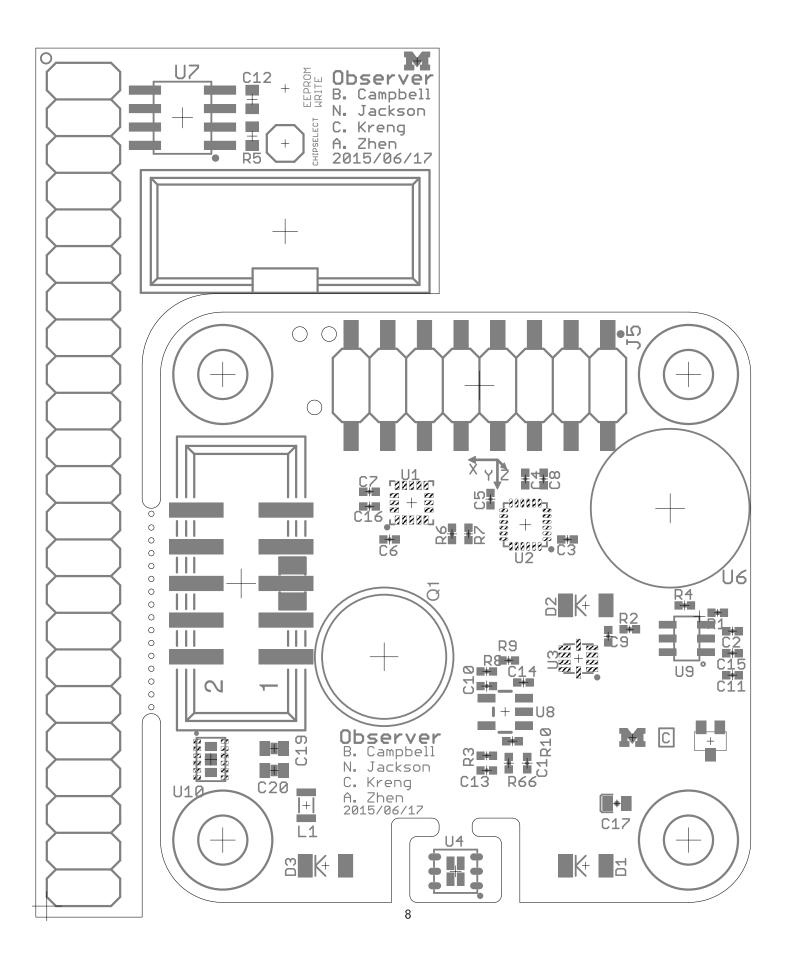


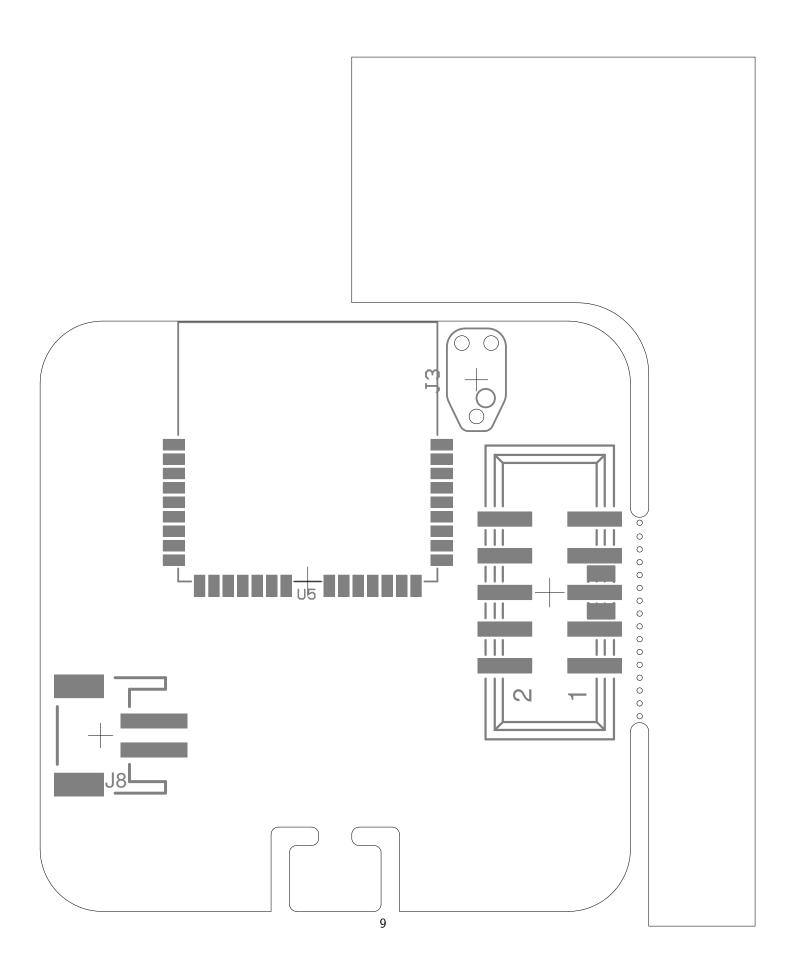


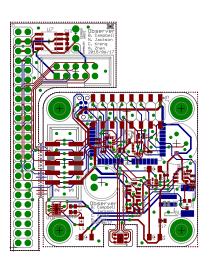


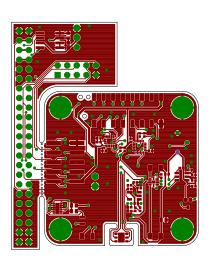


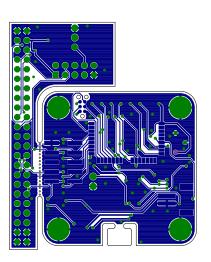












```
Value
Qty
        112pF
        1470pF
        110nF
       60.1uF
       20.1uF
       1.1uF
        34.7uF
       110uF
       122uF
       2 10uF
       3 SFH4056
       4 MOUNT-PAD-ROUND3.2
       2 CON_HEADER_2X05-SMD+SHROUDED
        1 TC2030-CC2538-BL-NL
       1 JUMPER-PTH-2-NO
        1 PINHD-2X8/SMD
       1 CON_HEADER_2X05-PTH+SHROUDED_A
        1
       1JST_2MM_MALE
        12.2uH
       2 UMICH_SOLID_TINY
       1BBB HEADER
       1
       1
                                               22
       1
                                               30
       12.2k
        14.99k
       610k
        11M
        1 LPS331AP
       1 MPU-9250
        1 SI1147
       1 SI7021
       1 ATUM
        1 AMN41121
       1 CAT24C256WI-GT3
       1 OPA344
        1 ADC121C021
        1 TPS62740
```

1 DMG1013UW-7

Device Package CAPACITOR 0402 CAP **CAPACITOR** 0402 CAP CAPACITOR 0402 CAP 0402 CAP **CAPACITOR CAPACITOR** 0402 CAP C-EUC0402 C0402 **CAPACITOR** 0402 CAP **CAPACITOR** 0402 CAP CAP POL0603 CAP0603 CAPACITOR0603 CAP 0603 CAP SFH4056 SFH4056 MOUNT-PAD-ROUND3.2 3,2-PAD CON HEADER 2X05-SMD+SHROUDED PINSHRD SMT 2X05 TC2030-CC2538-BL-NL TC2030-IDC-NL JUMPER-PTH-2-NO PTH-JUMPER-2-NO_NO_SILK PINHD-2X8/SMD 2X8/SMD CON HEADER 2X05-PTH+SHROUDED A PINSHRD PTH 2X05 PINHD-1X1 1X01 JST 2MM MALE JST-2-SMD MIPSZ2012D MIPSZ201D UMICH SOLID TINY UMICH SOLID 50MIL **BBB HEADERS** BBB HEADER **ELECTRET ELECTRET 9.7** RESISTOR0402 RES 0402 RES LPS331AP HCLGA-16/3MM MPU-9250 QFN-24/3MM SI1147 QFN-10/2MM SI7021 DFN-6/3MM ATUM ATUM AMN41121 AMN2 CAT24C256WI-GT3 CAT24C256WI-GT3 OPA344 SOT23-5 ADC121C021 ADC121C021 TPS62740 R-PWSON-12

DMG1013UW-7

SOT-323

Parts	Description
C1	0402 Capacitor
C2	0402 Capacitor
C3	0402 Capacitor
C4, C5, C6, C7, C8, C9	0402 Capacitor
C10, C11	0402 Capacitor
C12	CAPACITOR, European symbol
C13, C14, C15	0402 Capacitor
C16	0402 Capacitor
C17	
C19, C20	0603 Capacitor
D1, D2, D3	LED IR EMITTER 850NM
H5, H6, H7, H8	MOUNTING PAD, round
J1, J2	2x05 pin header
J3	Tag connect programmer for the CC2538 bootloader.
J4	
J5	
J6	2x05 pin header
J7	PIN HEADER
J8	Mates to single-cell LiPo batteries
L1	FDK Multi-layer Power Inductor (Very Small Type)
LOGO1, LOGO2	
P9/P8	Beaglebone Black P9 Pin Header
Q1	Electret microphone
R1	Resistor
R2	Resistor
R3	Resistor
R4	Resistor
R5, R6, R7, R8, R9, R66	Resistor
R10	Resistor
U1	IC PRESSURE SENSOR PIEZO 16HCLGA
U2	GYRO/ACCEL/COMPASS/9-AXIS
U3	SENSOR DGTL UV INDEX 10QFN
U4	IC TEMP SENSOR RH 2% DFN
U5	Atum sensorboard prototyping module.
U6	Passive infrared human detection sensor with built-in amp.
U7	256kb Serial CMOS EEPROM, organized as 32,768 words of 8
U8	Single gate rail-to-rail output op-amp. Inputs extend 300mV p
U9	
U10	360nA Step Down Converter for Low Power Applications
U11	P-CH Mosfet 20V 820MA SOT323

DIGIKEY	MOUSER	NEWARK SPARKFUN
490-1312-1-ND		
490-1318-1-ND		
490-1318-1-ND		
445-8919-1-ND		
511-1493-1-ND		
490-7316-1-ND		
475-3042-1-ND		
S9185-ND		

PRT-08612

RHM30CECT-ND

RHM10.0KCDCT-ND RHM1.0MCECT-ND 497-12927-1-ND 1428-1019-1-ND 336-2624-1-ND 336-2542-1-ND

255-2651-ND bits each past rails.

296-37134-1-ND 595-TPS62740DSST 27X9745 DMG1013UW-7DICT-ND