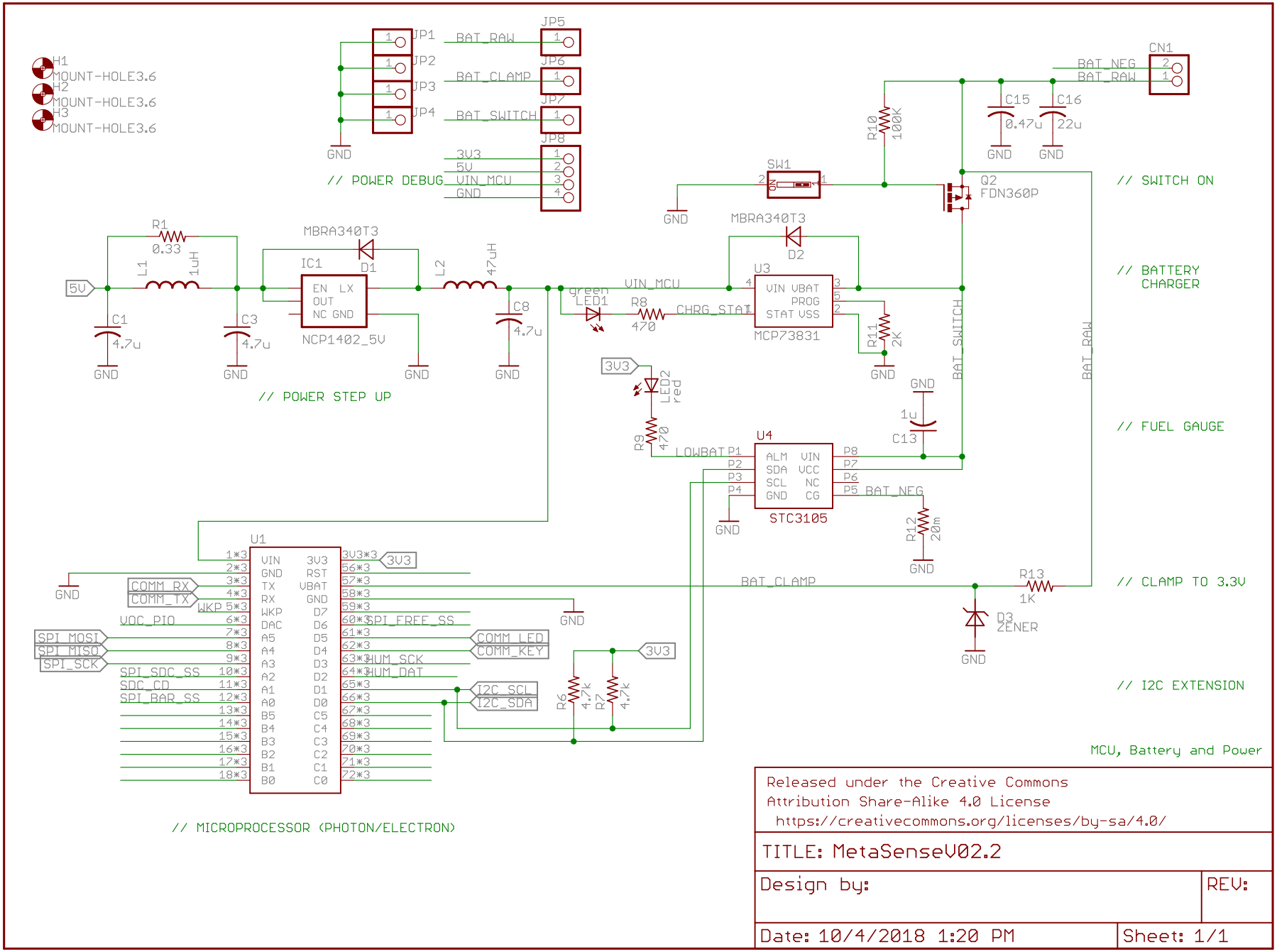

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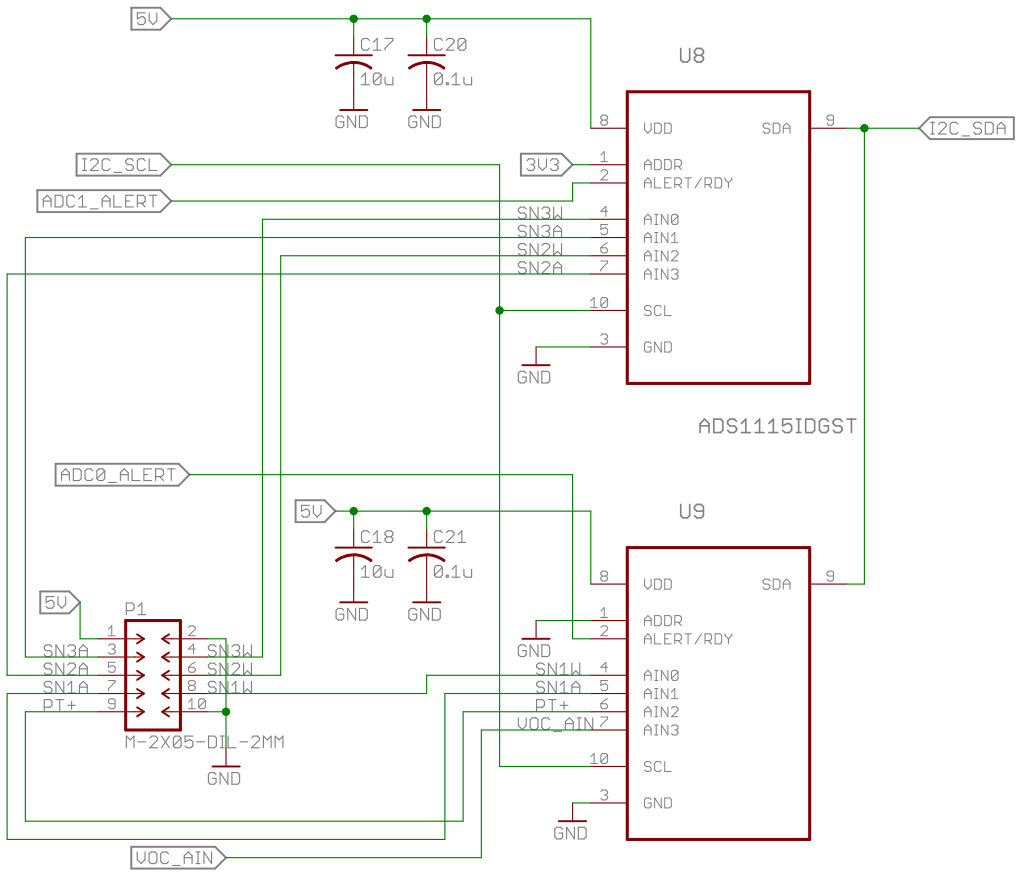
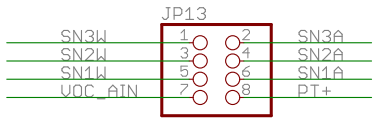
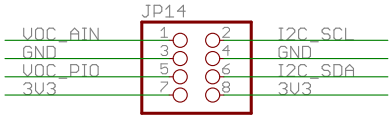


// 3-WAY AFE AND ADC SUPPORT

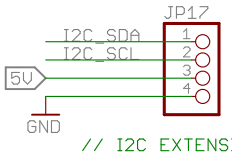


// ANALOG DEBUG HEADER

// ADC UNUSED PINS



// VOC and I2C EXTENSION



// I2C EXTENSION with 5V

AFE/ADC

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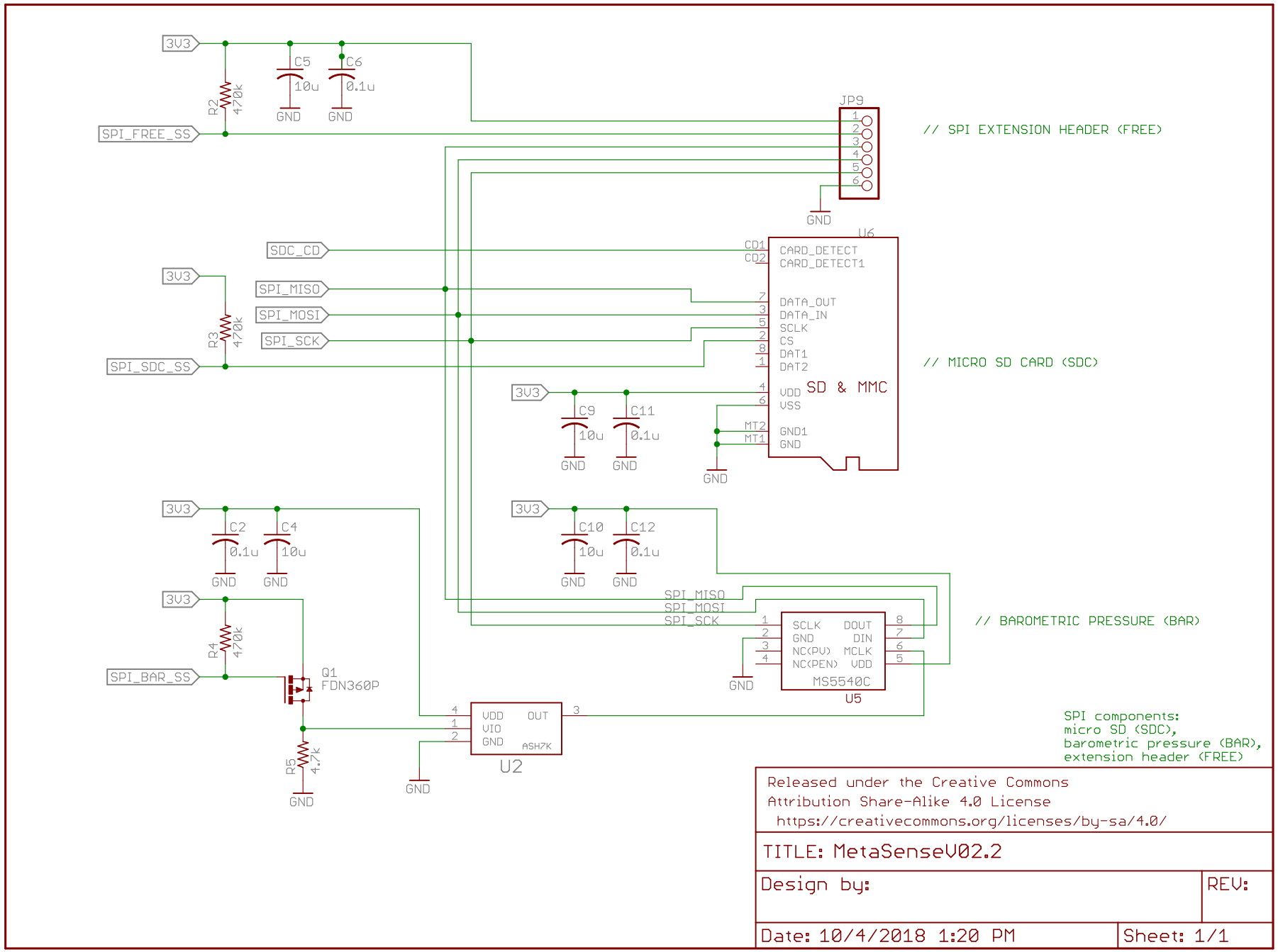
3V3
R2
470k
C5
10u
C6
0.1u
GND
SPI_FREE_SS
JP9
1
2
3
4
5
6
// SPI EXTENSION HEADER (FREE)
SDC_CD
SPI_MISO
SPI_MOSI
SPI_SCK
SPI_SDC_SS
R3
470k
U6
CD1
CD2
CARD_DETECT
CARD_DETECT1
7
3
5
2
8
1
DATA_OUT
DATA_IN
SCLK
CS
DAT1
DAT2
// MICRO SD CARD (SDC)
4
6
VDD
VSS
SD & MMC
MT2
MT1
GND1
GND
C9
10u
C11
0.1u
C2
0.1u
C4
10u
C10
10u
C12
0.1u
R4
470k
SPI_BAR_SS
Q1
FDN360P
SPI_MISO
SPI_MOSI
SPI_SCK
SCLK
GND
NC(PU)
NC(PEN)
DOUT
DIN
MCLK
VDD
MS5540C
U5
// BAROMETRIC PRESSURE (BAR)
VDD
VIO
GND
OUT
ASH7K
U2
R5
4.7k
SPI components:
micro SD (SDC),
barometric pressure (BAR),
extension header (FREE)
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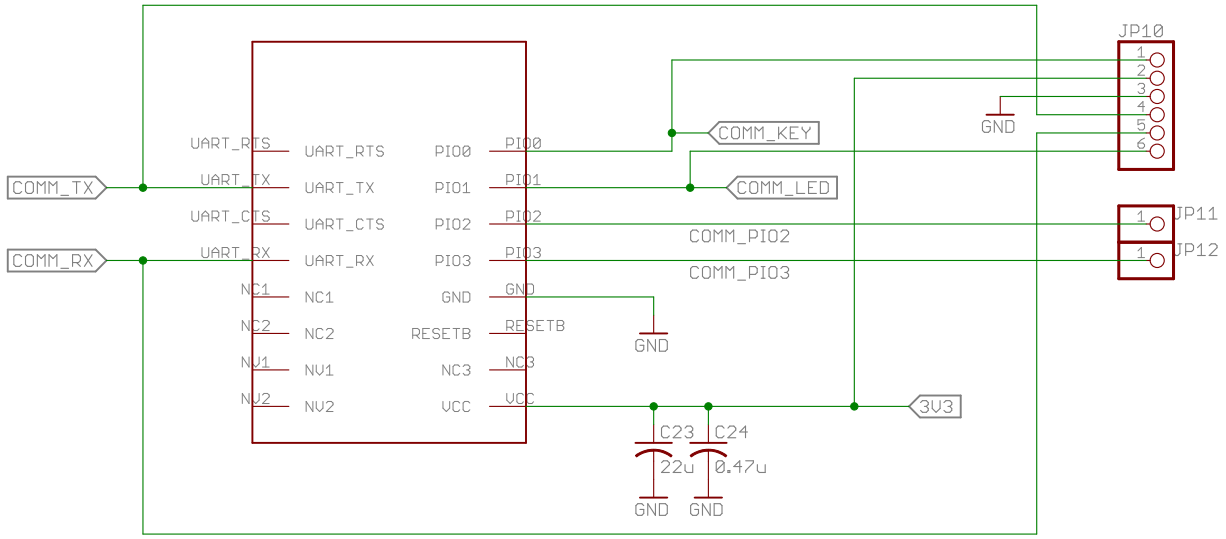
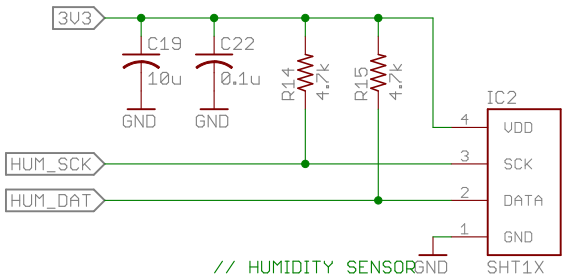


// BLE MODULE AND COMM EXTENSION HEADER



// HUMIDITY SENSOR

BLE Communication and extension header
Humidity sensor (HUM)

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