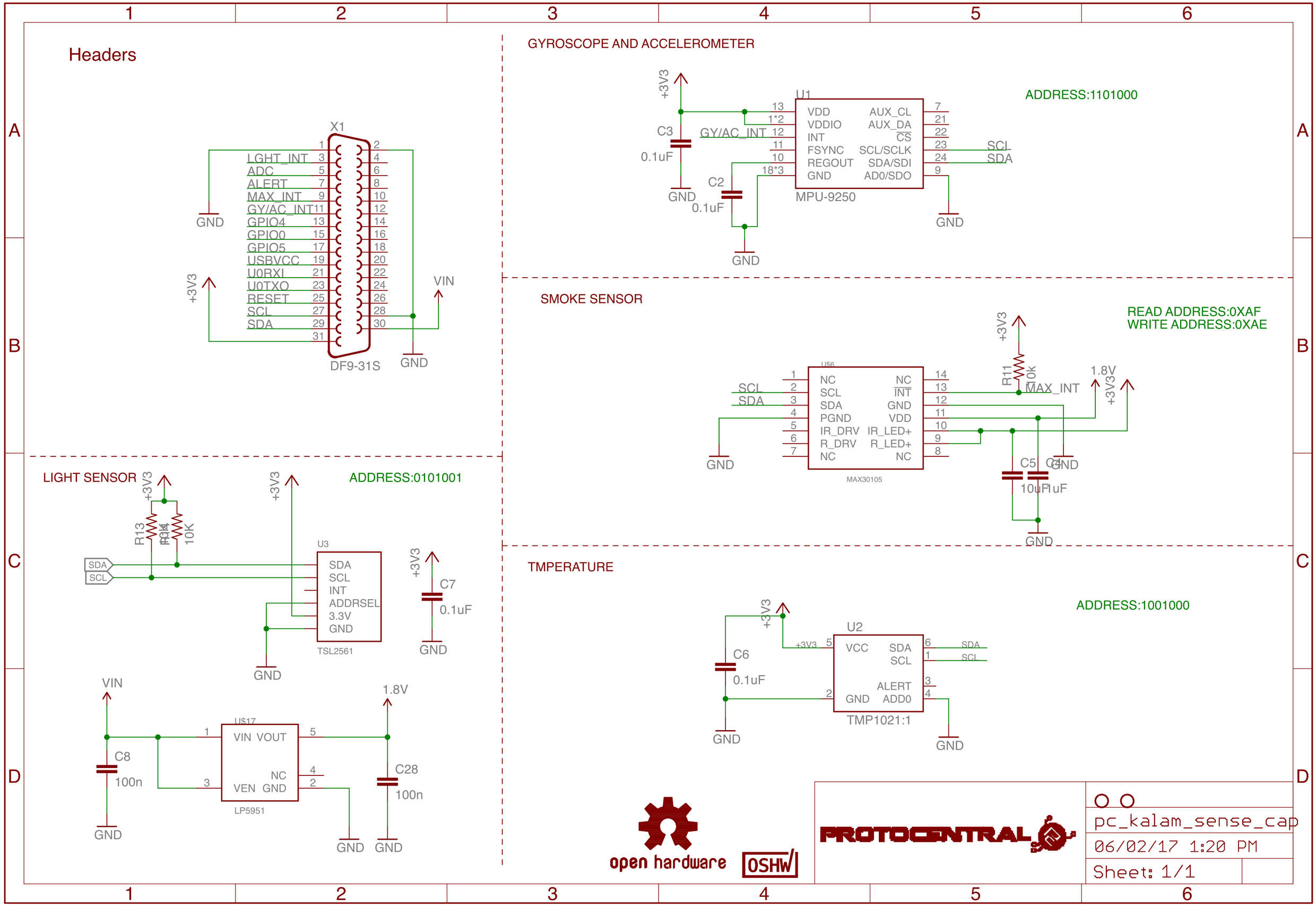
Headers
X1
LGHT_INT
ADC
ALERT
MAX_INT
GY/AC_INT
GPIO4
GPIO0
GPIO5
USBVCC
U0RXI
U0TXO
RESET
SCL
SDA
GND
+3V3
VIN
DF9-31S
GYROSCOPE AND ACCELEROMETER
U1
VDD
VDDIO
INT
FSYNC
REGOUT
GND
AUX_CL
AUX_DA
CS
SCL/SCLK
SDA/SDI
AD0/SDO
MPU-9250
C3
0.1uF
C2
0.1uF
ADDRESS:1101000
SMOKE SENSOR
READ ADDRESS:0XAF
WRITE ADDRESS:0XAE
NC
SCL
SDA
PGND
IR_DRV
R_DRV
INT
VDD
IR_LED+
R_LED+
MAX30105
R11
10k
MAX_INT
1.8V
C5
10uF
C4
1uF
LIGHT SENSOR
ADDRESS:0101001
R13
R14
10K
U3
ADDRSEL
3.3V
TSL2561
C7
0.1uF
U$17
VIN VOUT
NC
VEN GND
LP5951
C8
100n
C28
100n
TMPERATURE
ADDRESS:1001000
U2
VCC
ALERT
ADD0
TMP1021:1
C6
0.1uF
open hardware
OSHW
PROTOCENTRAL
pc_kalam_sense_cap
06/02/17 1:20 PM
Sheet: 1/1