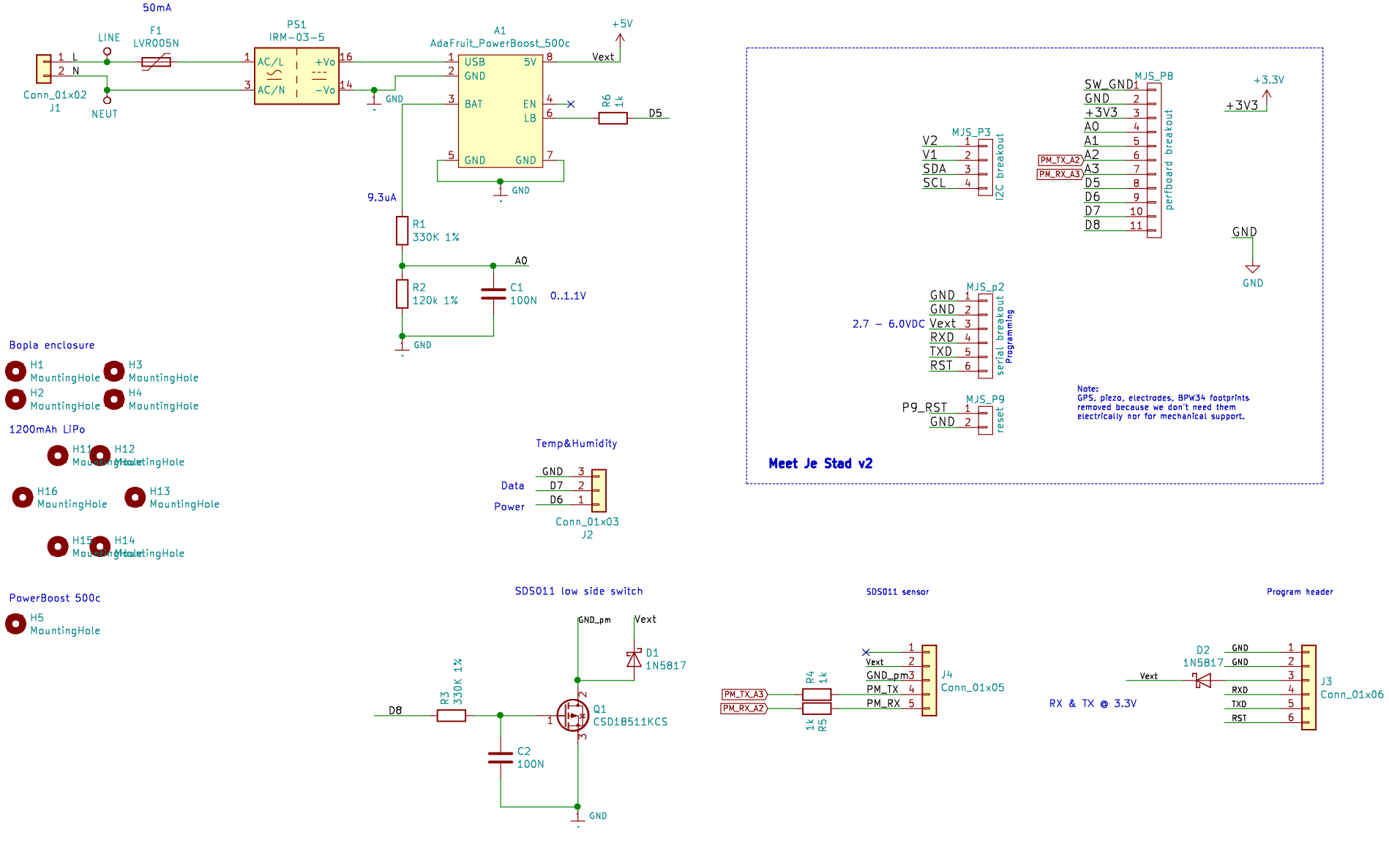
50mA
LINE
F1
LVR005N
PS1
IRM-03-5
A1
AdaFruit_PowerBoost_500c
+5V
Vext
Conn_01x02
J1
L
N
NEUT
AC/L
AC/N
+Vo
-Vo
USB
GND
5V
BAT
EN
LB
R6
1k
D5
9.3uA
R1
330K 1%
R2
120k 1%
C1
100N
0..1.1V
A0
GND
Bopla enclosure
H1
MountingHole
H2
MountingHole
H3
MountingHole
H4
MountingHole
1200mAh LiPo
H11
H12
H16
H13
H15
H14
PowerBoost 500c
H5
MountingHole
Temp&Humidity
Data
Power
D7
D6
Conn_01x03
J2
MJS_P3
V2
V1
SDA
SCL
I2C breakout
MJS_P8
SW_GND
+3V3
A0
A1
A2
A3
D5
D6
D7
D8
PM_TX_A2
PM_RX_A3
perfboard breakout
MJS_p2
2.7 – 6.0VDC
Vext
RXD
TXD
RST
serial breakout
Programming
MJS_P9
P9_RST
reset
Note:
GPS, piezo, electrodes, BPW34 footprints
removed because we don't need them
electrically nor for mechanical support.
Meet Je Stad v2
SDS011 low side switch
GND_pm
D1
1N5817
R3
330K 1%
Q1
CSD18511KCS
C2
100N
SDS011 sensor
R4
1k
R5
1k
PM_TX_A3
PM_RX_A2
PM_TX
PM_RX
GND_pm
J4
Conn_01x05
Program header
D2
1N5817
J3
Conn_01x06
RX & TX @ 3.3V