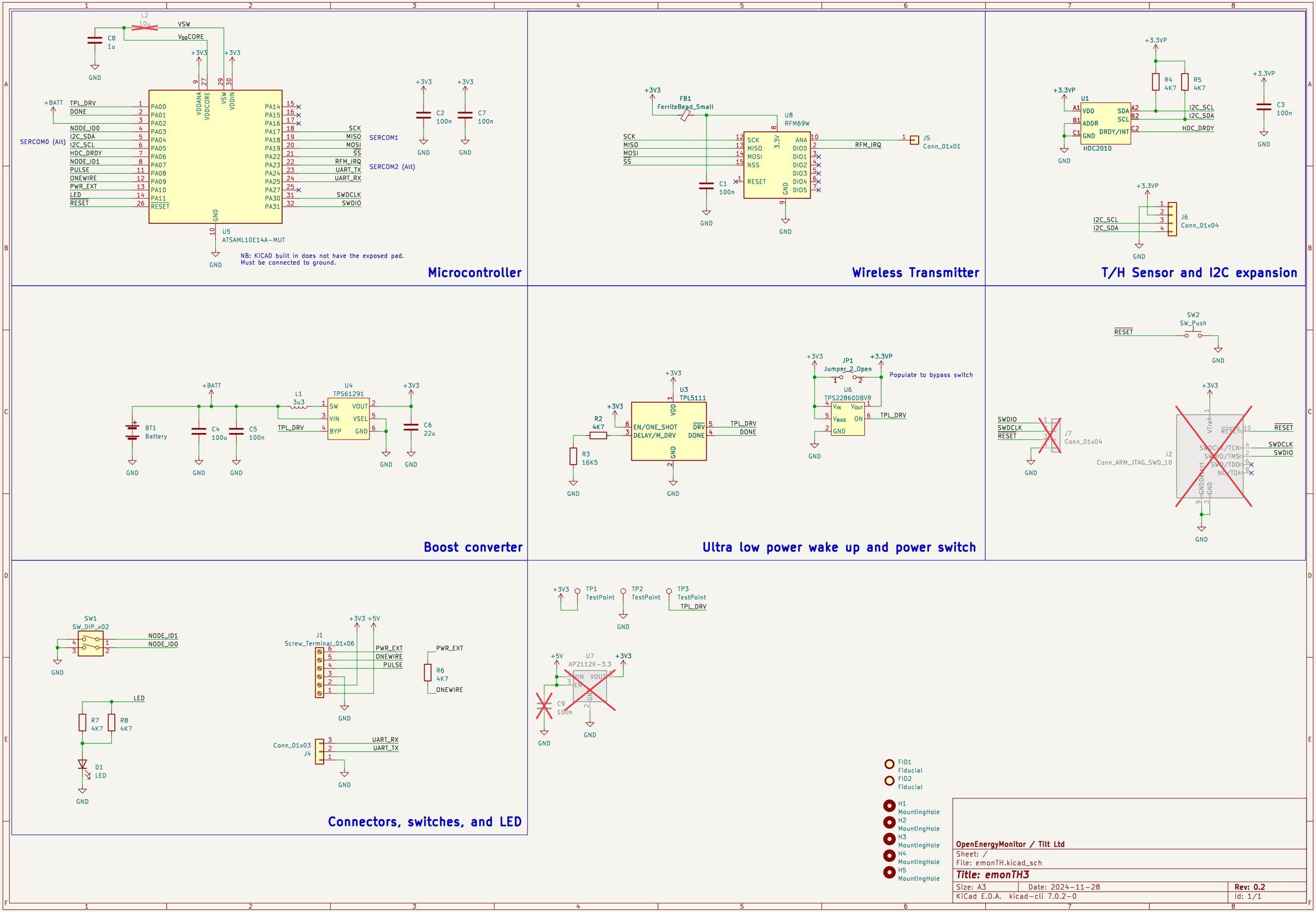
Microcontroller
U5
ATSAML10E14A-MUT
NB: KiCAD built in does not have the exposed pad.
Must be connected to ground.
SERCOM0 (Alt)
SERCOM1
SERCOM2 (Alt)
Wireless Transmitter
U8
RFM69W
FB1
FerriteBead_Small
J5
Conn_01x01
T/H Sensor and I2C expansion
U1
HDC2010
J6
Conn_01x04
Boost converter
U4
TPS61291
BT1
Battery
Ultra low power wake up and power switch
U3
TPL5111
JP1
Jumper_2_Open
Populate to bypass switch
U6
TPS22860DBVR
SW2
SW_Push
J7
Conn_01x04
J2
Conn_ARM_JTAG_SWD_10
Connectors, switches, and LED
SW1
SW_DIP_x02
J1
Screw_Terminal_01x06
R6
4K7
Conn_01x03
J4
TP1
TestPoint
TP2
TestPoint
TP3
TestPoint
U7
AP2112K-3.3
FID1
Fiducial
FID2
Fiducial
H1
MountingHole
H2
MountingHole
H3
MountingHole
H4
MountingHole
H5
MountingHole
OpenEnergyMonitor / Tilt Ltd
Sheet: /
File: emonTH.kicad_sch
Title: emonTH3
Size: A3
Date: 2024-11-28
Rev: 0.2
KiCad E.D.A. kicad-cli 7.0.2-0
Id: 1/1