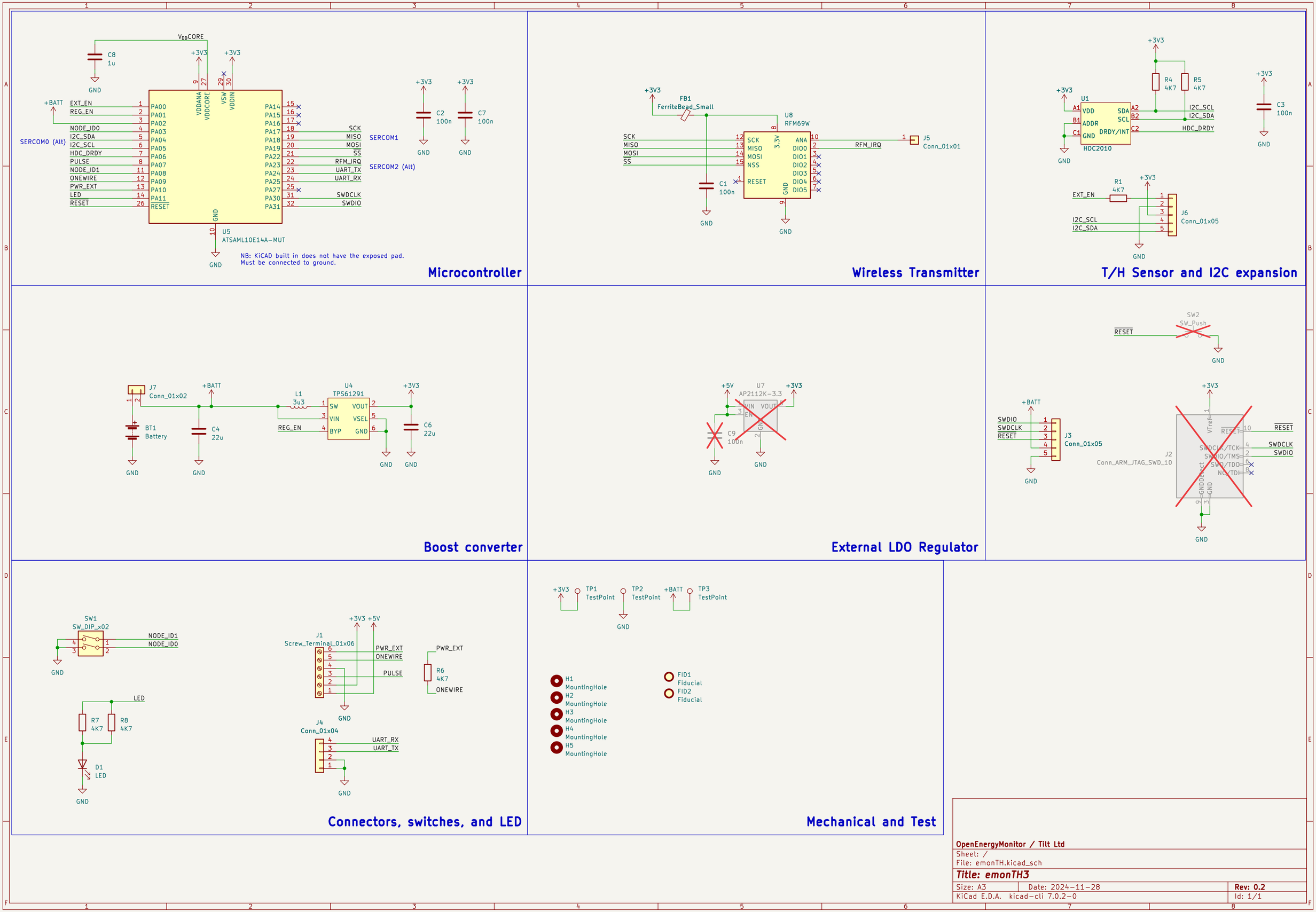
Microcontroller
U5
ATSAML10E14A-MUT
NB: KiCAD built in does not have the exposed pad.
Must be connected to ground.
SERCOM0 (Alt)
SERCOM1
SERCOM2 (Alt)
Wireless Transmitter
U8
RFM69W
FB1
FerriteBead_Small
J5
Conn_01x01
RFM_IRQ
T/H Sensor and I2C expansion
U1
HDC2010
HDC_DRDY
I2C_SCL
I2C_SDA
J6
Conn_01x05
EXT_EN
Boost converter
J7
Conn_01x02
BT1
Battery
U4
TPS61291
L1
3u3
REG_EN
External LDO Regulator
U7
AP2112K-3.3
SW2
SW_Push
RESET
J3
Conn_01x05
J2
Conn_ARM_JTAG_SWD_10
SWDIO
SWDCLK
Connectors, switches, and LED
SW1
SW_DIP_x02
NODE_ID1
NODE_ID0
J1
Screw_Terminal_01x06
PWR_EXT
ONEWIRE
PULSE
R6
4K7
LED
R7
4K7
R8
4K7
D1
LED
J4
Conn_01x04
UART_RX
UART_TX
Mechanical and Test
TP1
TestPoint
TP2
TestPoint
TP3
TestPoint
H1
MountingHole
H2
MountingHole
H3
MountingHole
H4
MountingHole
H5
MountingHole
FID1
Fiducial
FID2
Fiducial
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