**General**

Missing files on git

Global labels?

Root sheet? What is your layout.

No folder of datasheets.

**Power**

Schottky diode taking the entire board’s current through it – make sure is rated correctly.

Cannot turn power on/off to sensors or to hard reset them.

C8 should be bigger.

LED resistors too small.

What is R6 for.

Battery is not DNP.

Add external connectors (01x02) for battery and Voltage out.

**Sensing**

Small resistors are going to drawer a lot of power.

Fuse is good form of safety – might be expensive.

Check if pullups are correct for both sensor and EEPROM as they are both on the same line.

Maybe consider redundant.

Is the parallel combination actually necessary.

**Microcontroller**

BOOT0 pin is floating.

No redundant channels

How are you going to connect debugger – recommend a 01x03 male.

No NSRT buttons to reset board.

No user input buttons.

Several VCC and GND left floating.

Missing ‘No-Connection Flags’ on floating pins (for ERCs) (the X).

USB bus has too many pins try HT4etc.

USB connection is not as per basic requirements – should be Micro-USB.

Very few or no test points for EEPROM and USB

EEPROM Connected to 5V and no 3V3.

No plug and detect.

**PCB**

TP1 is inaccessible with the STM32 in place.

Name test points.

Maybe use through hole test points.

No student numbers or group names.

R and C numbers unreadable on final silk screen.

Cannot check track size – do not have PCB file.

1. Adherence to Mr Pead’s basic requirements: