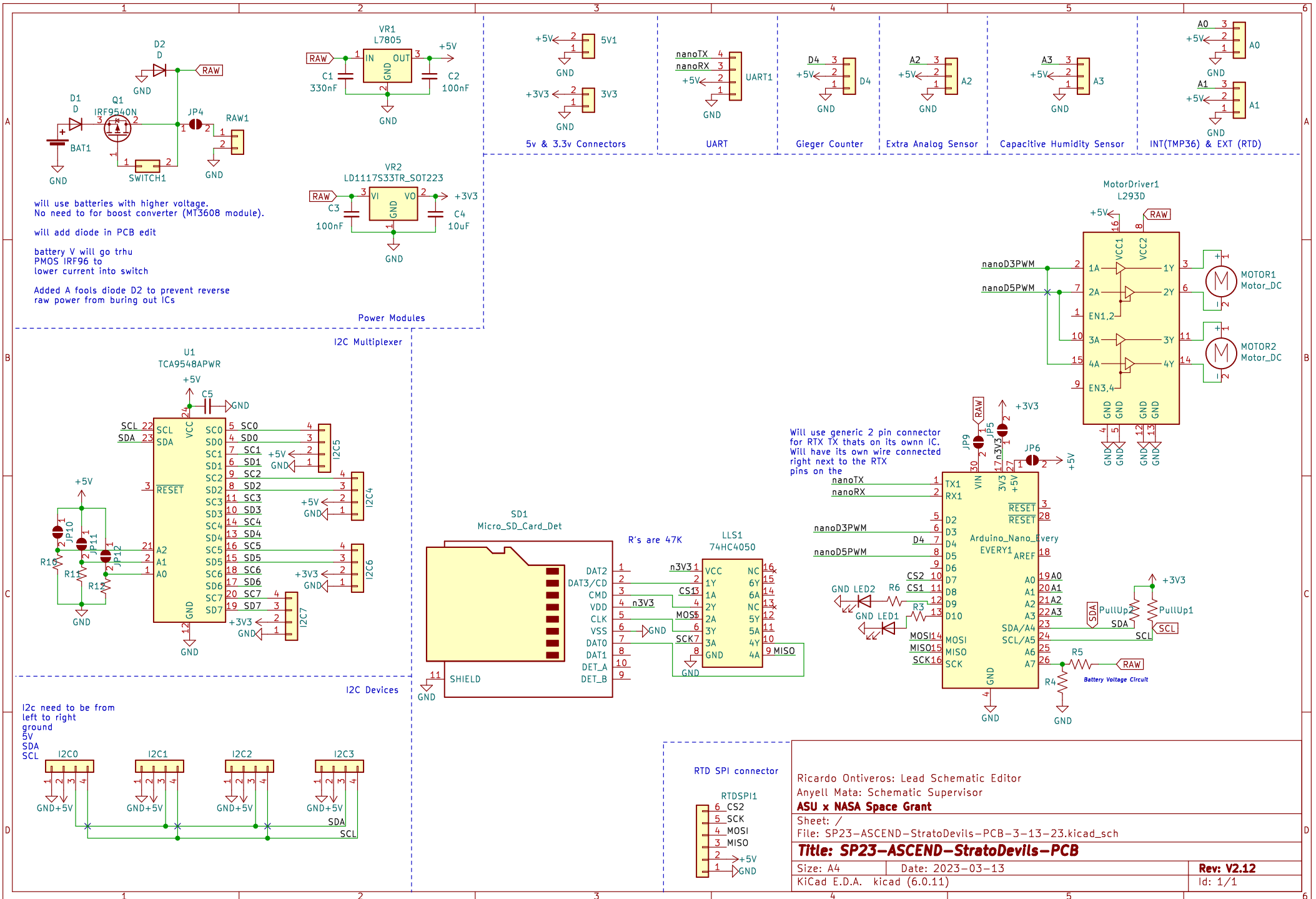


add 1 extra Analog 3 pin

1.5V line shall go down the middle

Use A0 - A3 for Analogs  
A6 and A7 Will be for RTD



will use batteries with higher voltage.  
No need to for boost converter (MT3608 module).

will add diode in PCB edit

battery V will go thru  
PMOS IRF96 to  
lower current into switch

Added a fools diode D2 to prevent reverse  
raw power from buring out ICs

Power Modules

I2C Multiplexer

I2C Devices

Will use generic 2 pin connector  
for RTX TX that's on its own IC.  
Will have its own wire connected  
right next to the RTX  
pins on the

Ricardo Ontiveros: Lead Schematic Editor  
Anyell Mata: Schematic Supervisor  
**ASU x NASA Space Grant**

Sheet: /  
File: SP23-ASCEND-StratoDevs-PCB-3-13-23.kicad\_sch

**Title: SP23-ASCEND-StratoDevs-PCB**

Size: A4 Date: 2023-03-13

KiCad E.D.A. kicad (6.0.11)

**Rev: V2.12**

Id: 1/1