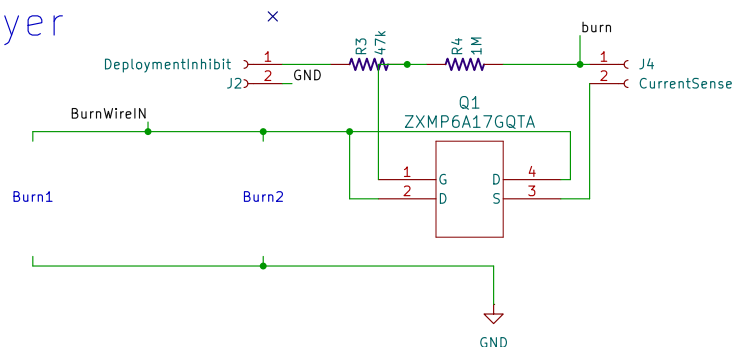
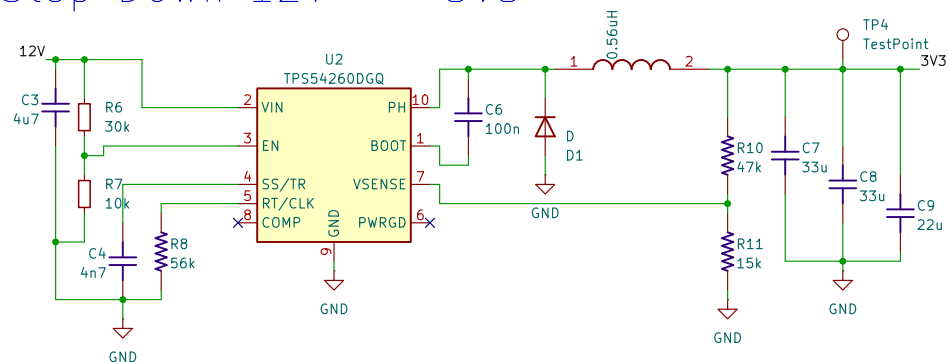


## Deployer



## Step Down 12V -> 3V3



- Unlike last design, here the voltage regulator is followed by the current limiter
- Higher the current the better, during last time, the voltage requirement went upto 1.8V, while the current was 0.25A for a single
- With this design, the current limiter will limit the current at a safe programmable limit
- A single connector for the deployment switch is given, we can connect 3 mechanical switches in series in the worst case
- Other inhibitors are power from the power board and EN signal from the OBC

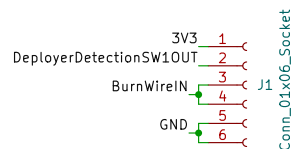
## Connectors

Multiple pins for burn and ground signals are included in the deployer as solder can get weak during launch.

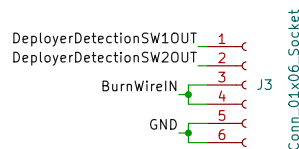
## Board connector



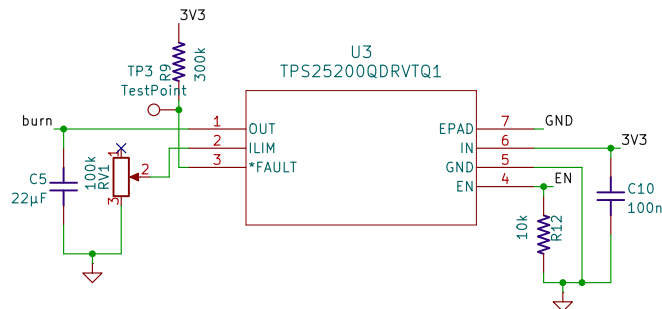
## Deployer1



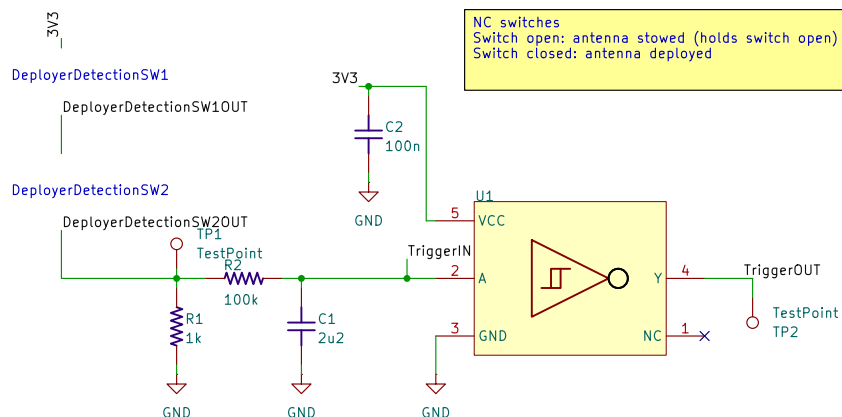
## Deployer2



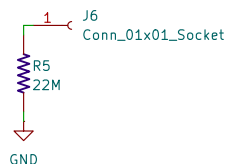
## Current Limiter



## Detection switches



## Antenna Bleeder



- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

## Additional components required

- Ferrite core: 2661480002
- Resistor board
  - SAJ1 action switches: Deployment detection switches
  - Metallitic connector to wrap around the nichrome wire with

## Student Satellite Program

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