Q1: GitHub

<https://github.com/Carciax/EEE3088F-Project-CKR>

Q2: Power Subsystem Failure Management

Q3: Sensing Subsystem Failure Management

Q4: Microcontroller Subsystem Failure Management

For individual component failure, components will be connected into the circuit by some means that it can be disconnected. Components that are likely to fail will get jumpers which can be easily remove and another component can be connected from an external board.

Components that are less likely to fail will get two pads’ solders together in line with the component. These can easily be soldered and de-soldered, and the signal can be measured in that line. Lastly, components that are likely never going to fail will get 0Ω resistors which can be taken out and/or rerouted to other lines.

Q5: Power Subsystem Schematic

Q6: Sensing Subsystem Schematic

Q7: Microcontroller Subsystem Schematic

Q8: Planned ERCs

Q9: Updated BOM