

The purpose of the telemetry transmitter board before flight is to communicate and provide power to other boards on the CAN bus to initiate rocket launch. The purpose of the telemetry transmitter board during flight is to supply power and take in data from the CAN bus and transmit this data to the telemetry receiver board. The telemetry transmitter board will transmit this data via a RF module.

Sheet: /

File: telemetry_transmitter.sch

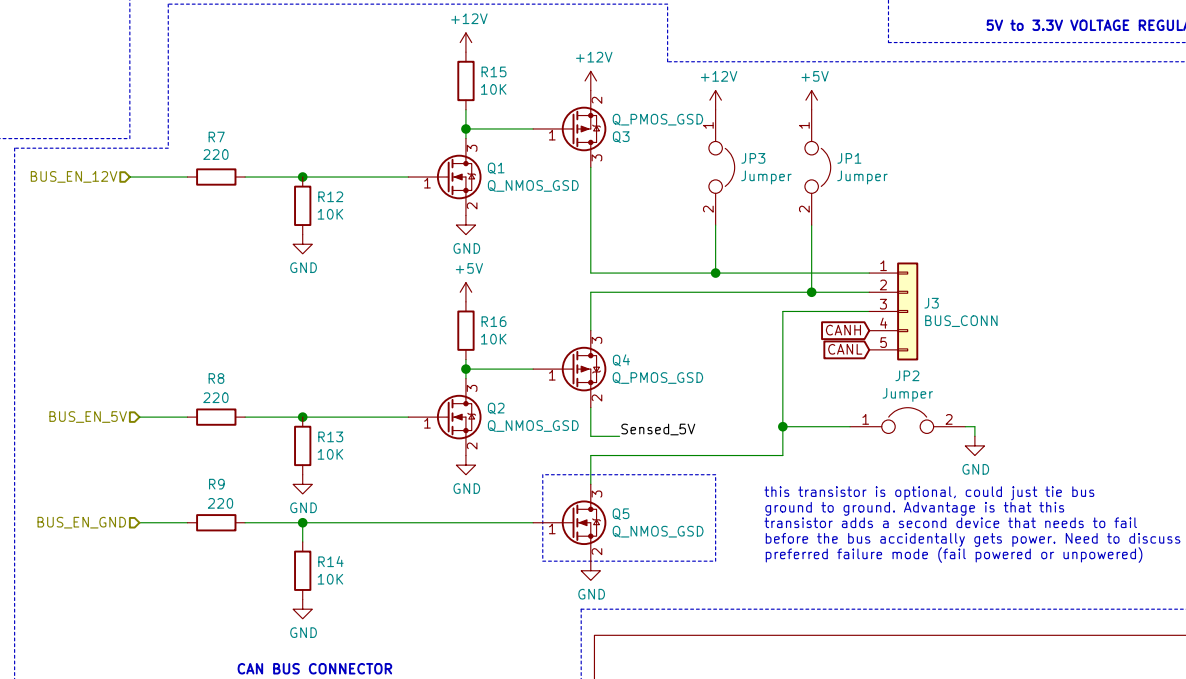
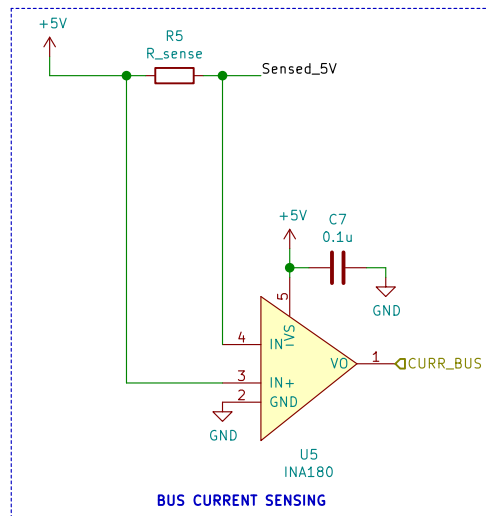
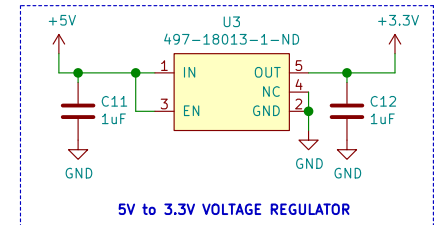
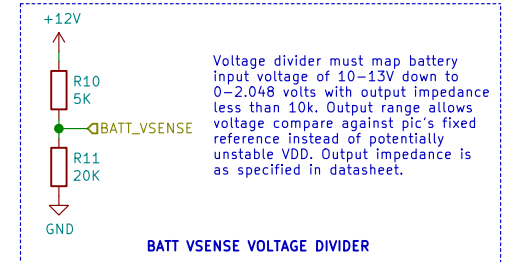
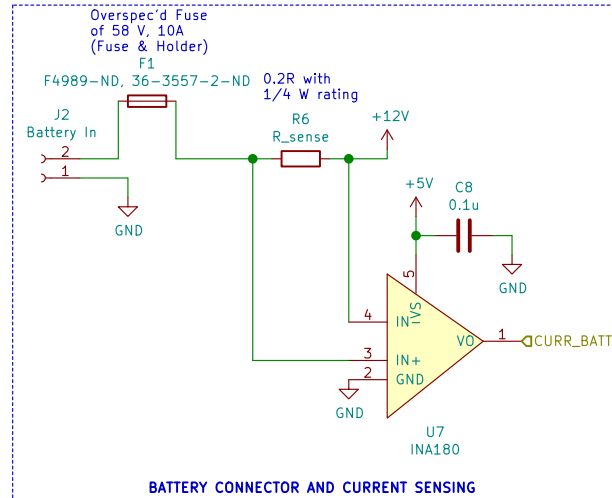
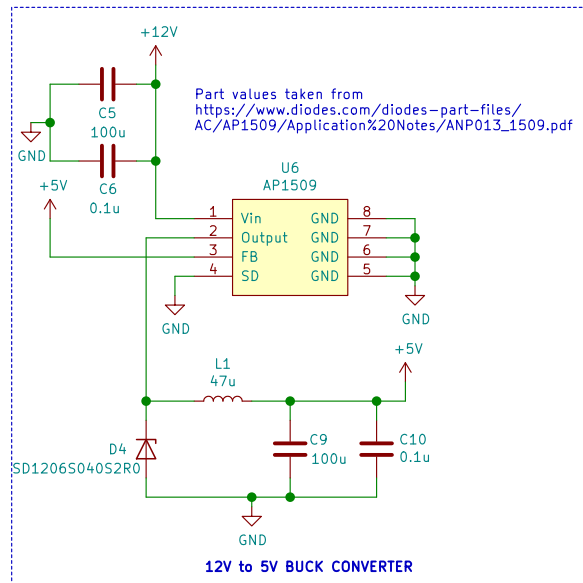
Title: Live Telemetry Transmitter

Size: A4 Date: 2021-10-01

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Note: This is the power sheet from what used to be radio board.

Sheet: /power/
File: power.sch

Title: Live Telemetry Transmitter

Size: A4 Date: 2021-11-03

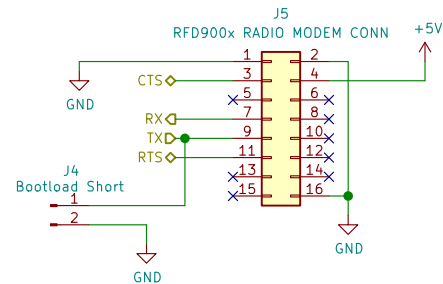
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Note: No mention of decoupling/bypass caps in the RFD900x datasheet.

2x8 female connector for RFD900x Radio Modem.



1x2 Male Connector here to short pin 9 to GND, causing radio to go into bootloader mode to load firmware.

900 MHz RADIO MODEM CONNECTOR

Sheet: /radio/
File: radio.sch

Title: Live Telemetry Transmitter

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