

COMMUNICATION SUBSYSTEM MAIN BOARD

PN: 01-10-01

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Inductor parameters labeled in schematics: Name, Tolerance, Value, DC Current, Saturation Current, Max DC Resistance

Resistor parameters labeled in schematics: Name, Tolerance, Value, Power

Capacitor parameters labeled in schematics: Name, Value, Tolerance, Voltage Rating

LOGO

Title Page and TOC

Comms_Main

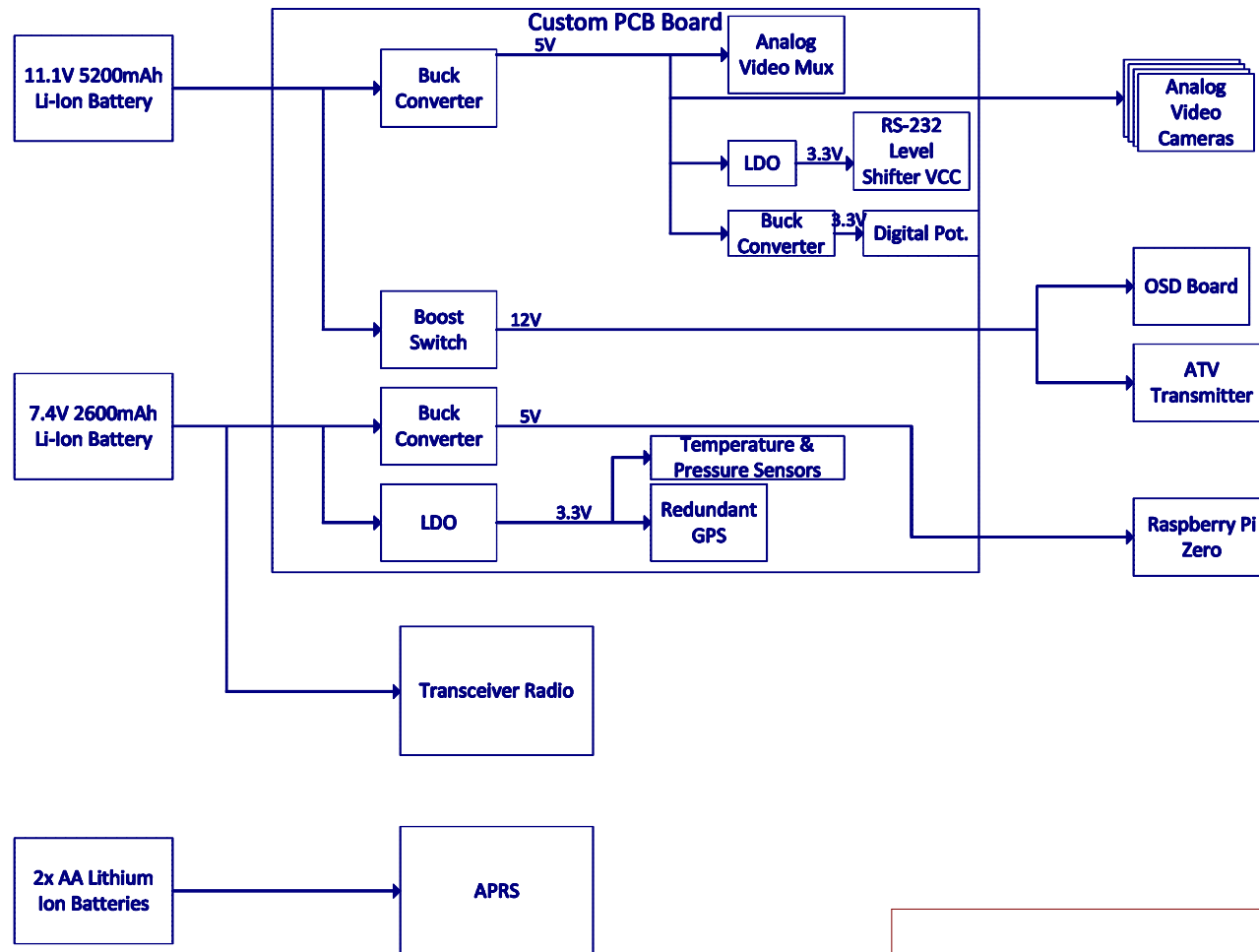
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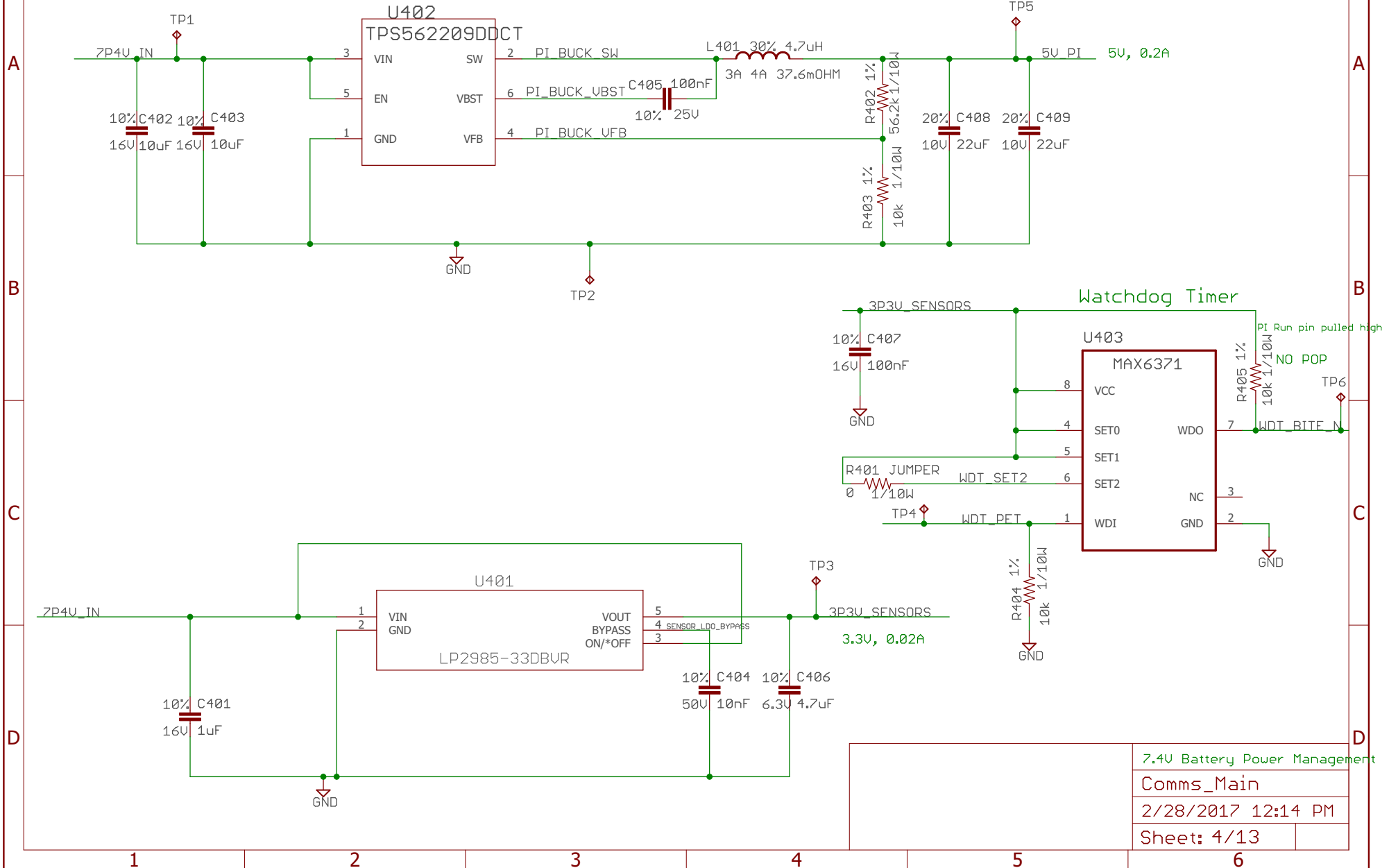
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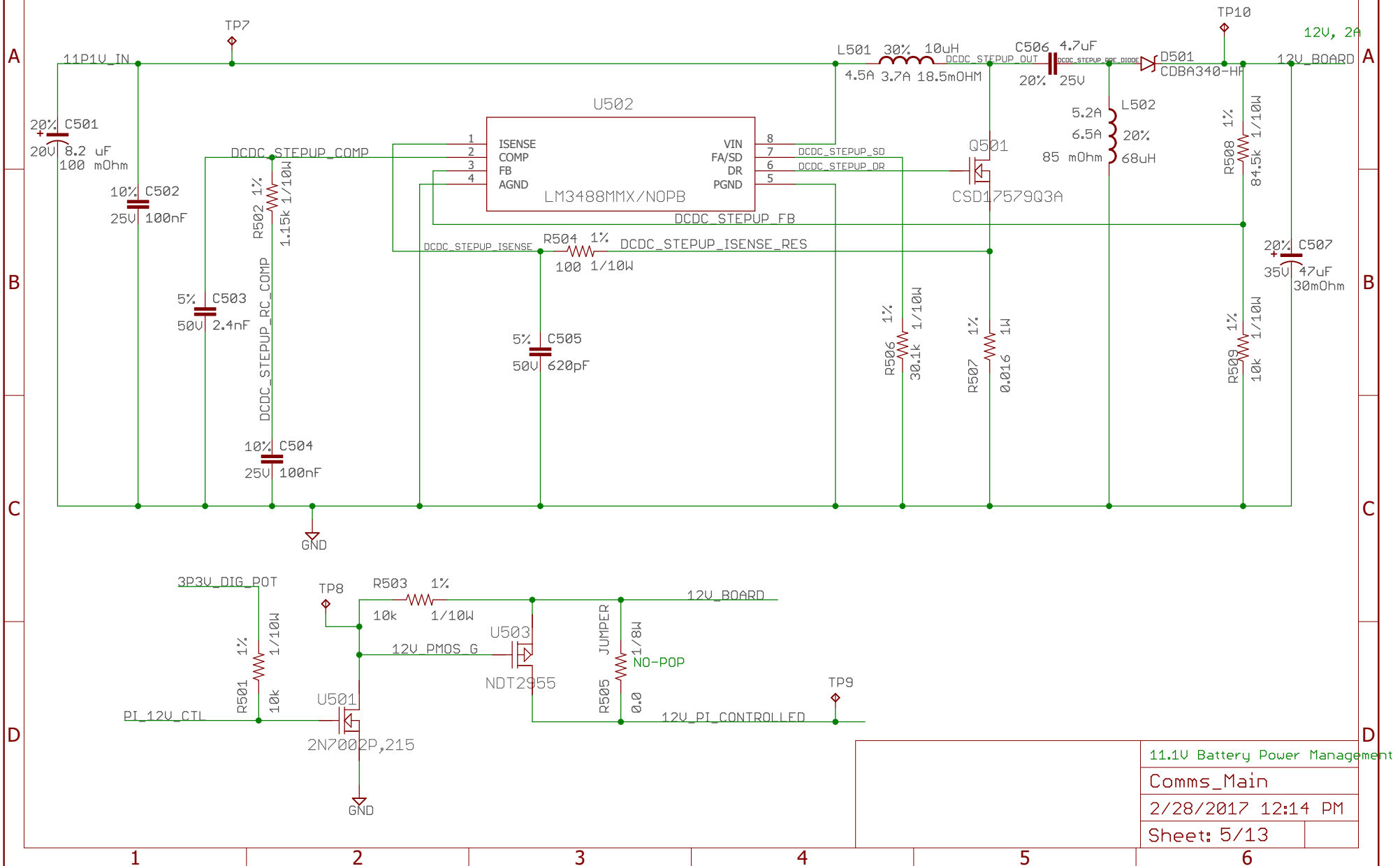
Communication Subsystem Power Management

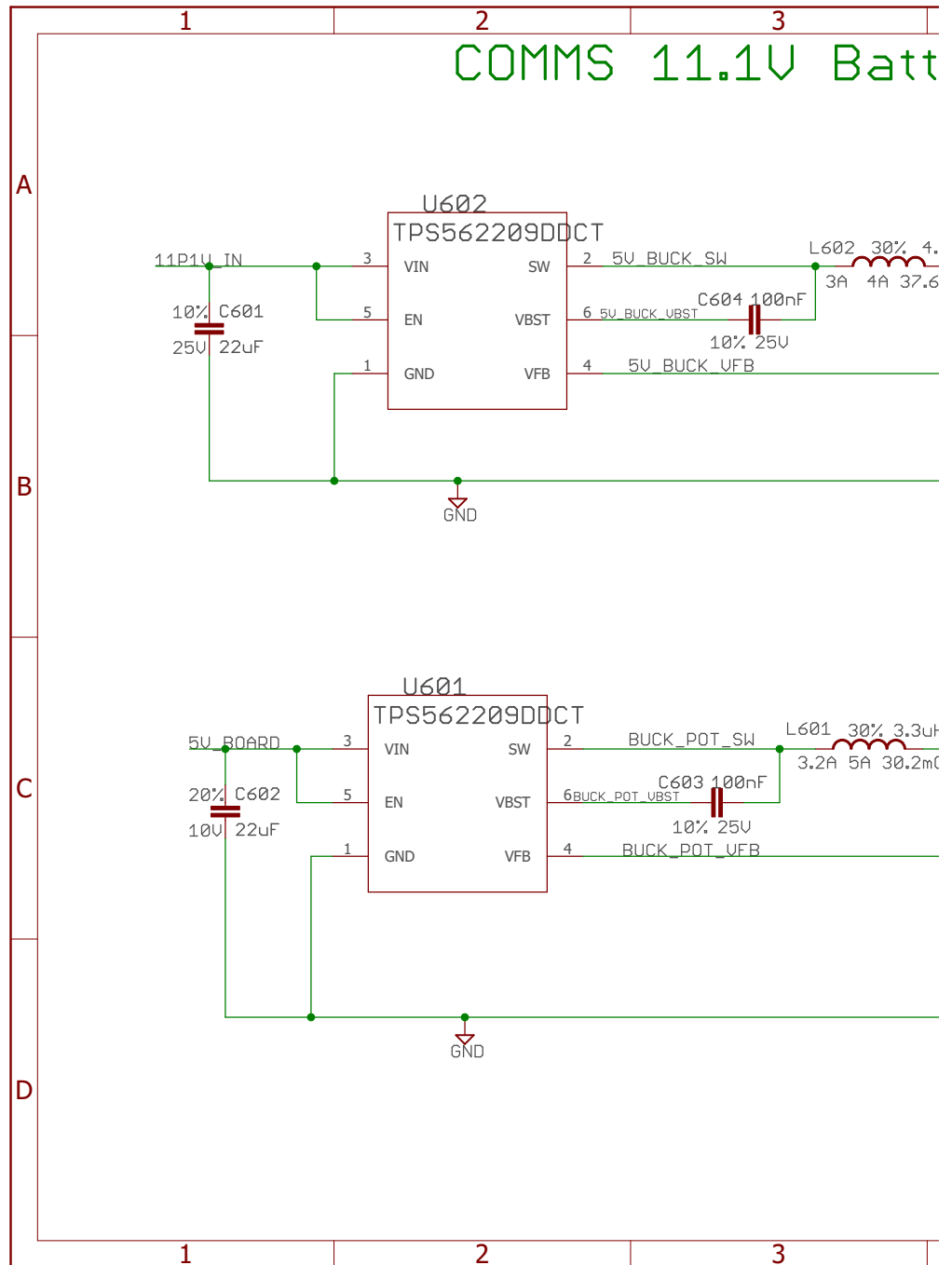


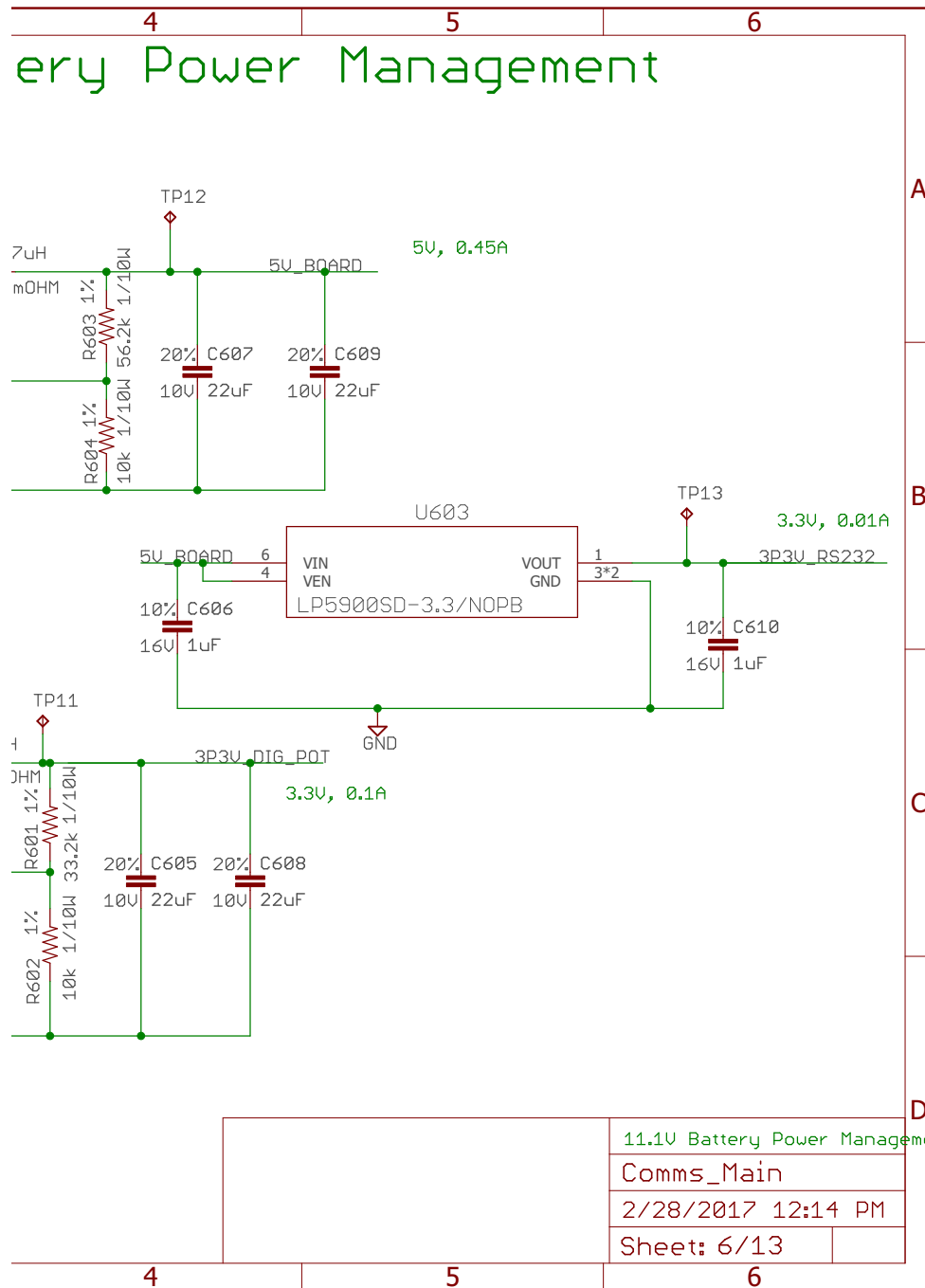
COMMS 7.4V Battery Power Management



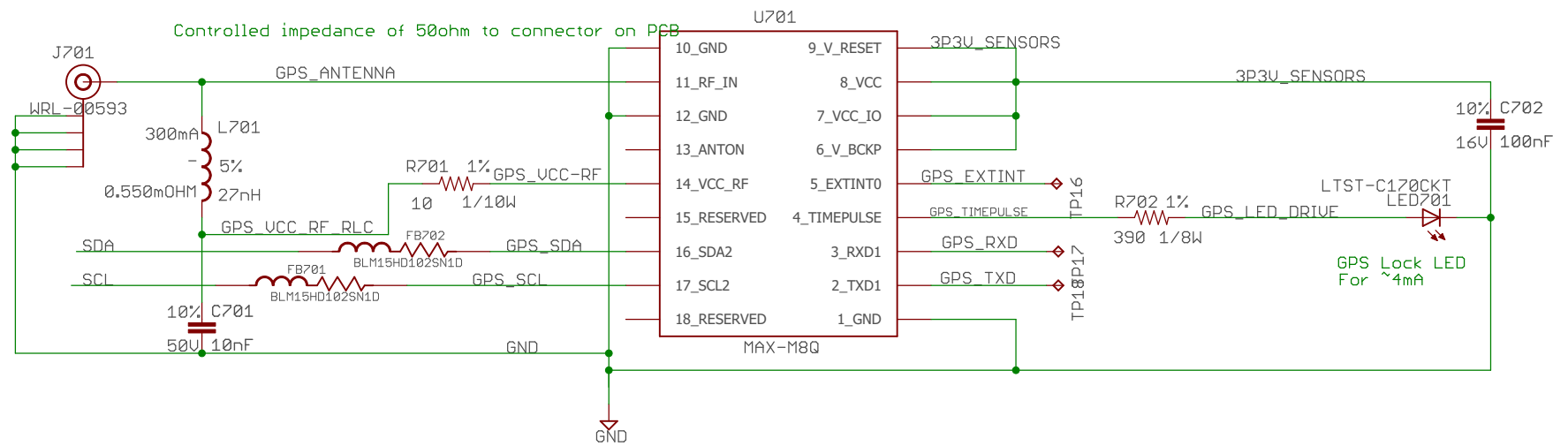
COMMS 11.1V Battery Power Management







COMMS MAX-M8Q Primary 2m GPS



GPS Module

Comms_Main

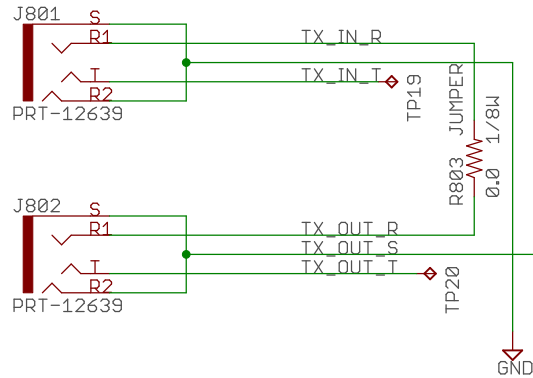
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COMMS 2m Transceiver Audio Jumpers

Pi -> 2m Transceiver

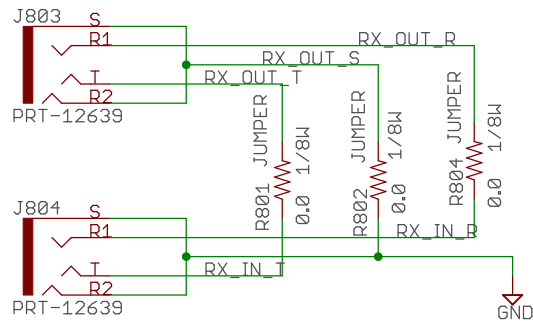
Pi



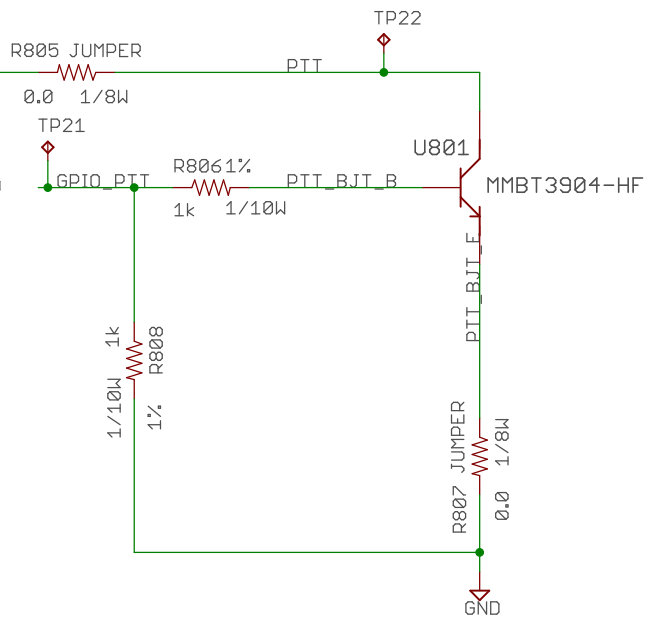
2m Transceiver

2m Transceiver -> Pi

Pi



2m Transceiver



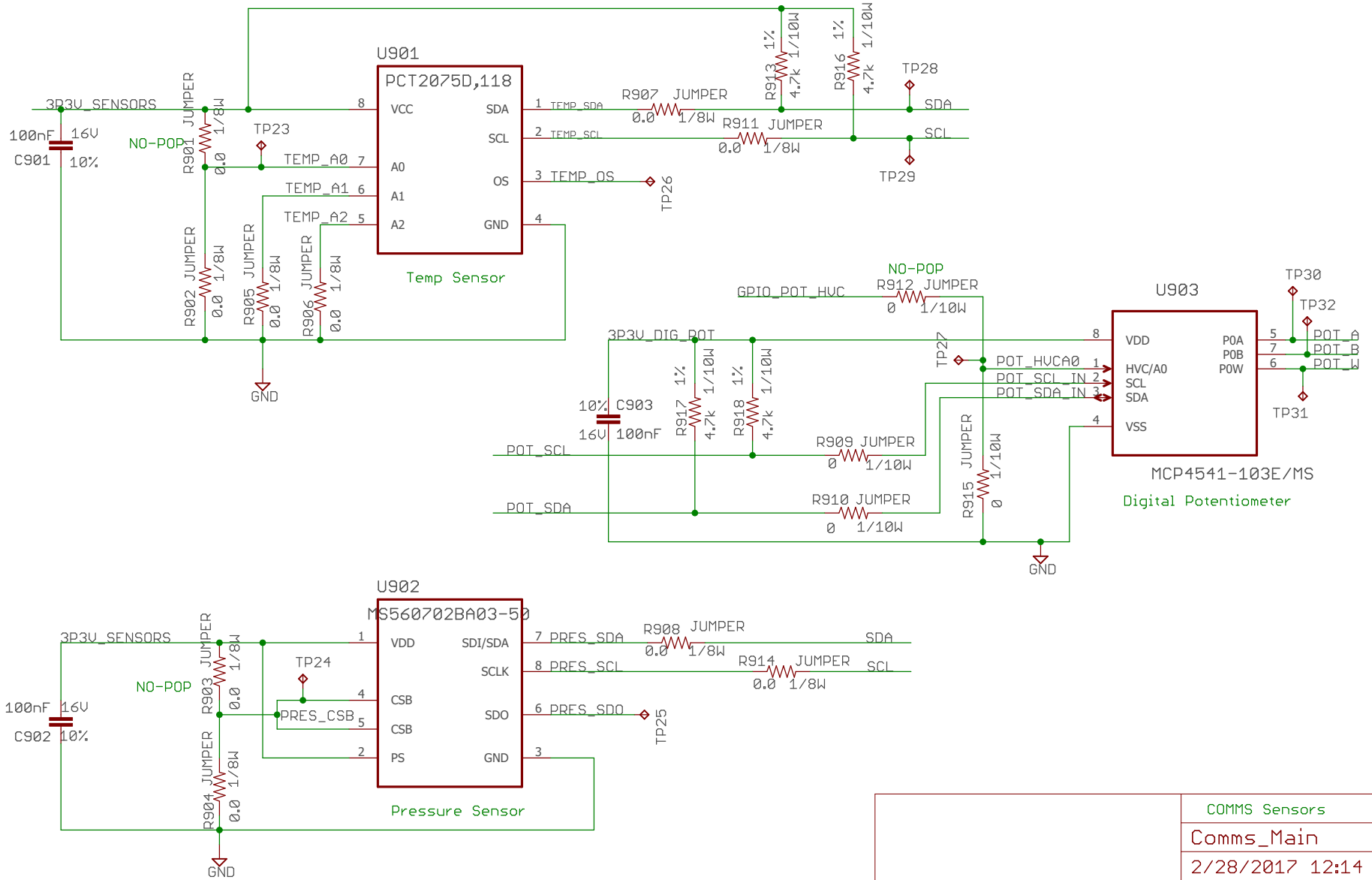
Transceiver Audio Jumpers

Comms_Main

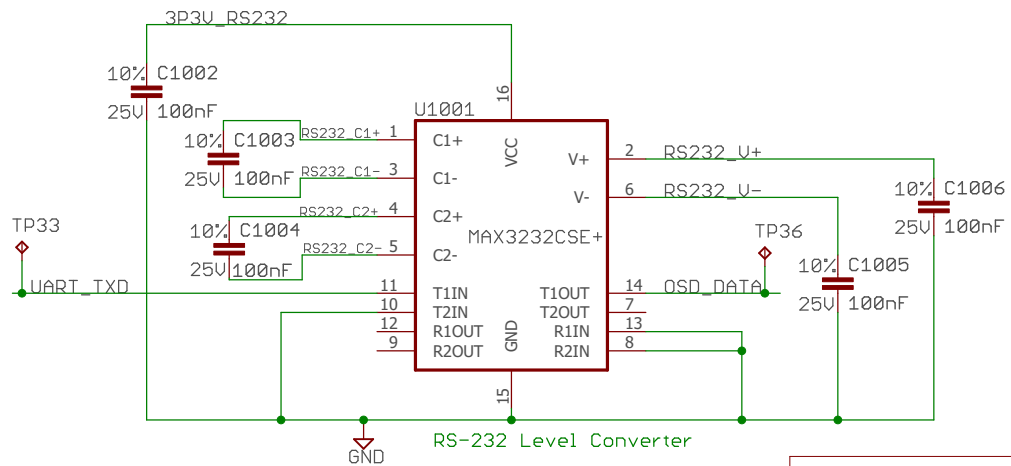
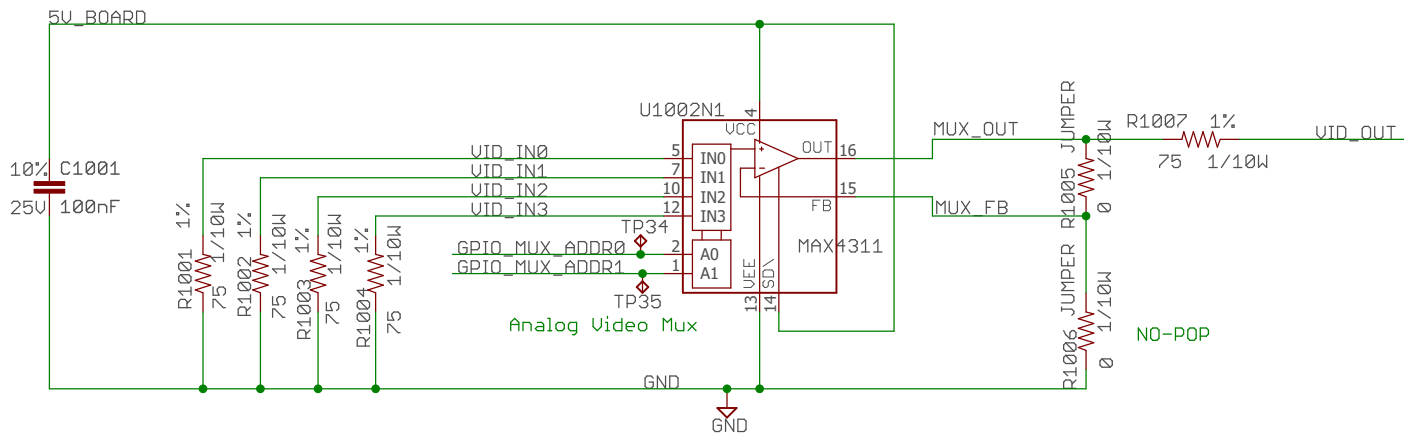
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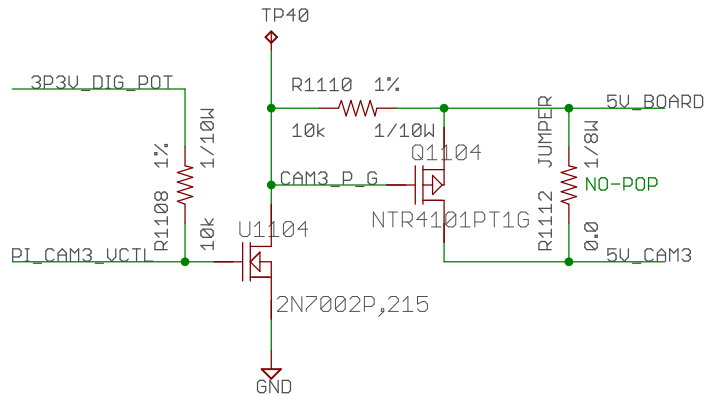
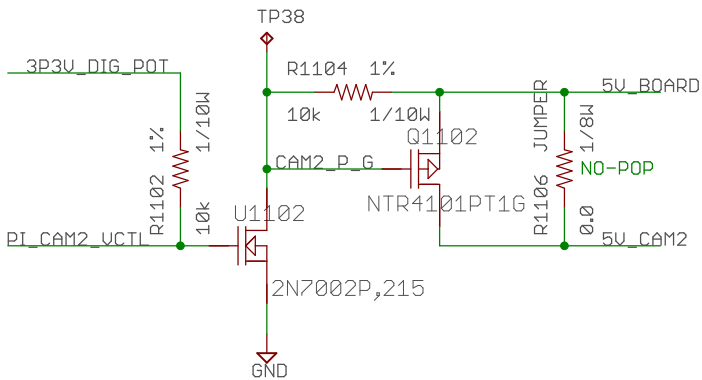
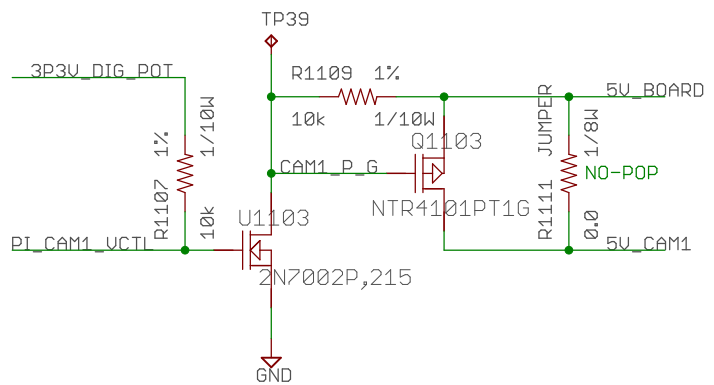
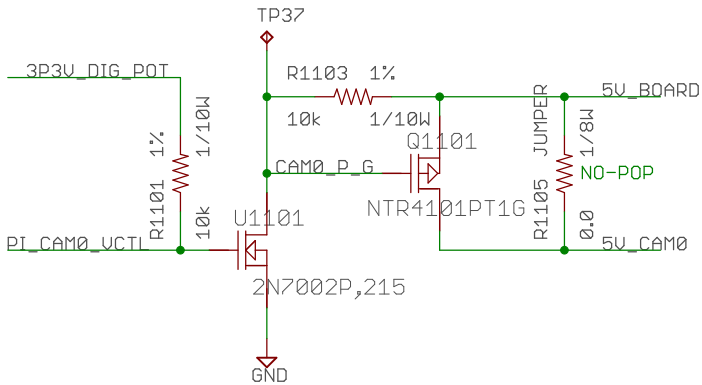
COMMS Sensors



COMMS Video



NTSC Camera Voltage Control



COMMS Connectors (2m/Pi)

OUTLINE1201

RASPI-ZERO-4STANDOFFS-0CAM

Pi Zero Outline and Standoff Holes

A

B

C

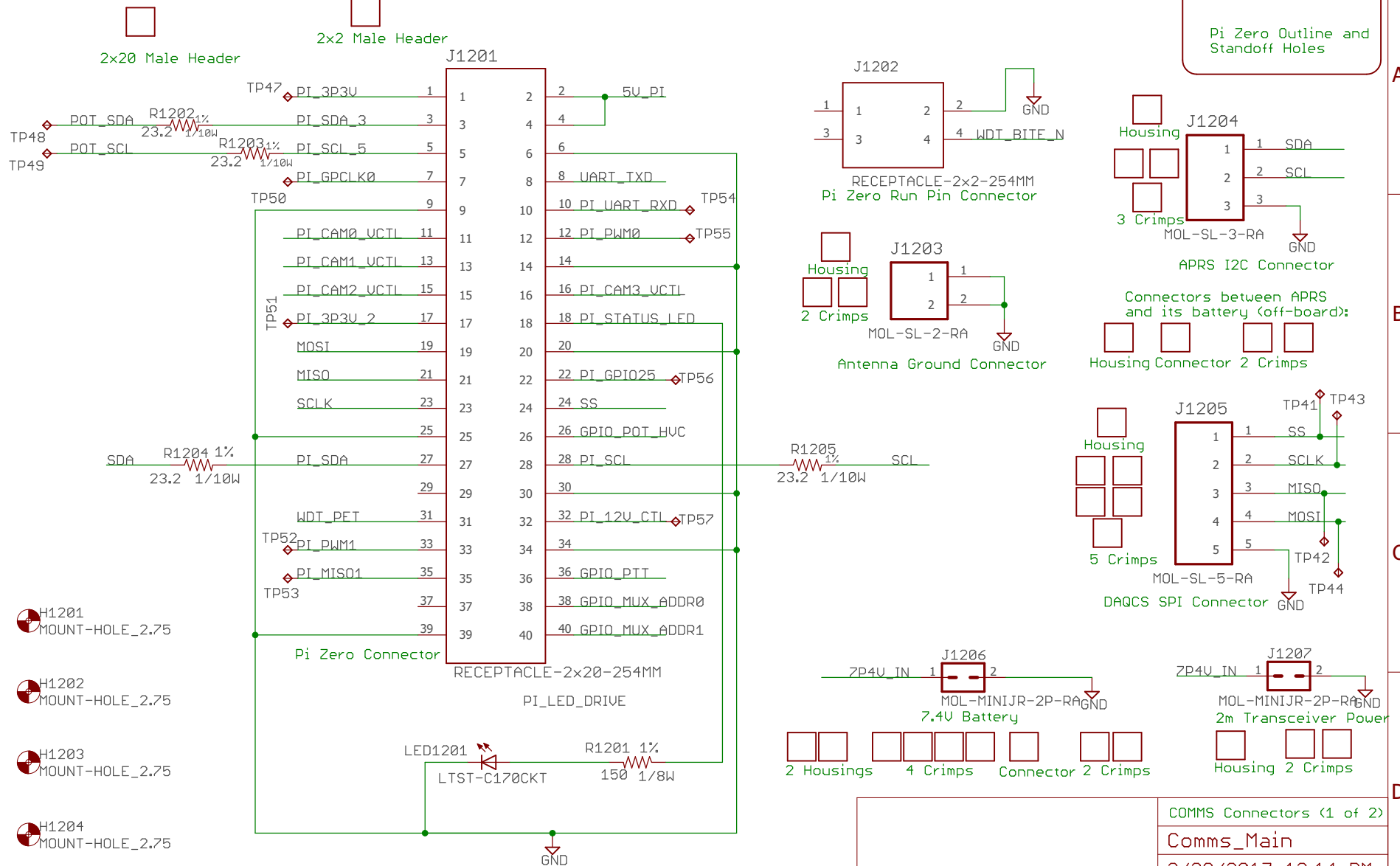
D

A

B

C

D



COMMS Connectors (1 of 2)

Comms_Main

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COMMS CONNECTORS (70cm/Cameras)

