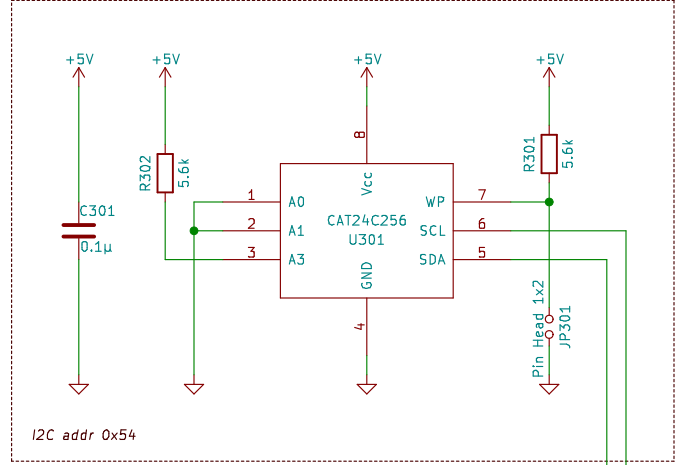
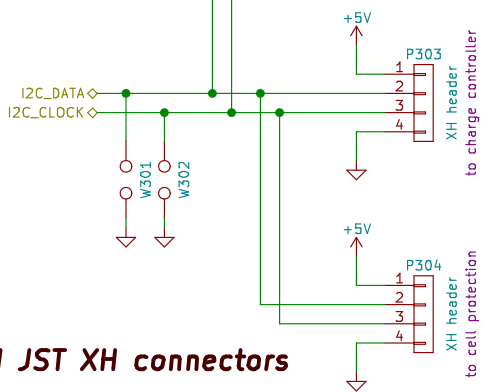


BeagleBone Expansion Headers



Cape EEPROM

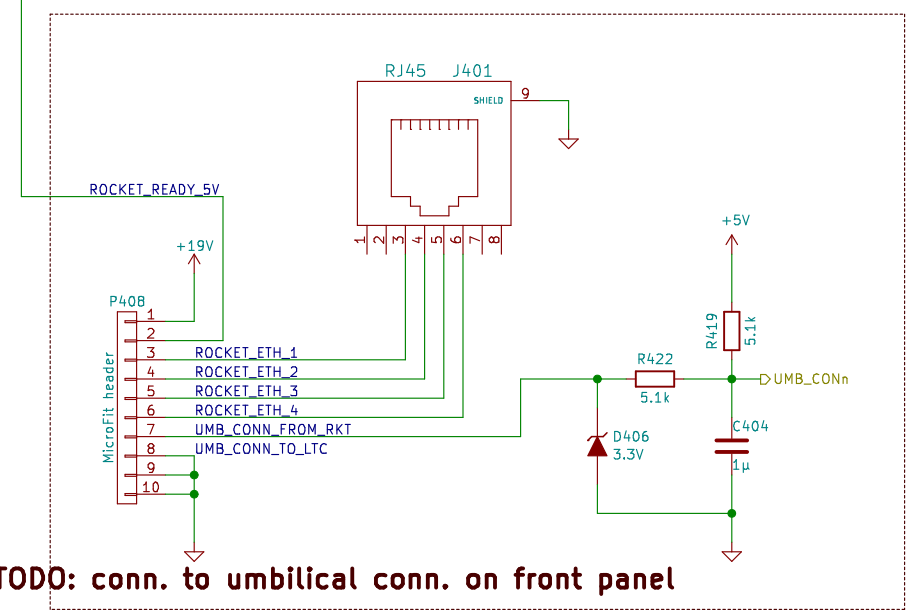
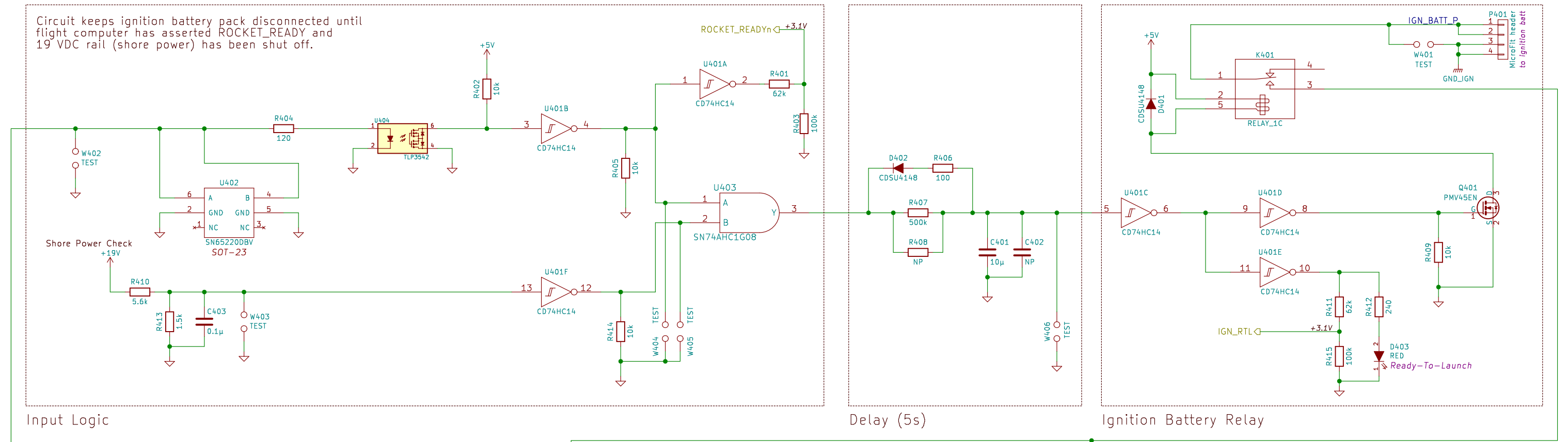


TODO: add off-board JST XH connectors

I2C Devices			
ADDR	Part	Type	Location
0x10	U203	BQ77PL900	B/PM
0x54	U501	EEPROM	BBB
0x90	U402	LTC2991	DC-DC
0x98	U203	LTC2990	Power In
0x9A	U301	LTC2990	B/PM

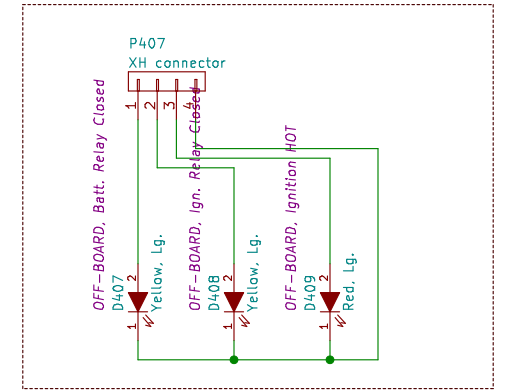
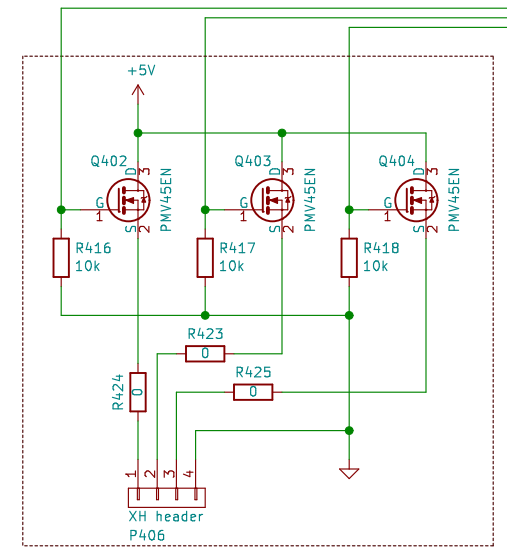
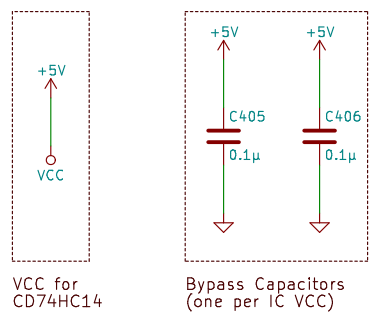
NOTES:  
\* Do NOT change ROCKET\_IGNITE, pin default reset state is High-Z w/ pulldown resistor. Other pins can be configured in EEPROM at boot time.  
\* All I2C devices on LTC3 are slaves. The BBB is the only master so the LTC will not need arbitration.

Circuit keeps ignition battery pack disconnected until flight computer has asserted ROCKET\_READY and 19 VDC rail (shore power) has been shut off.

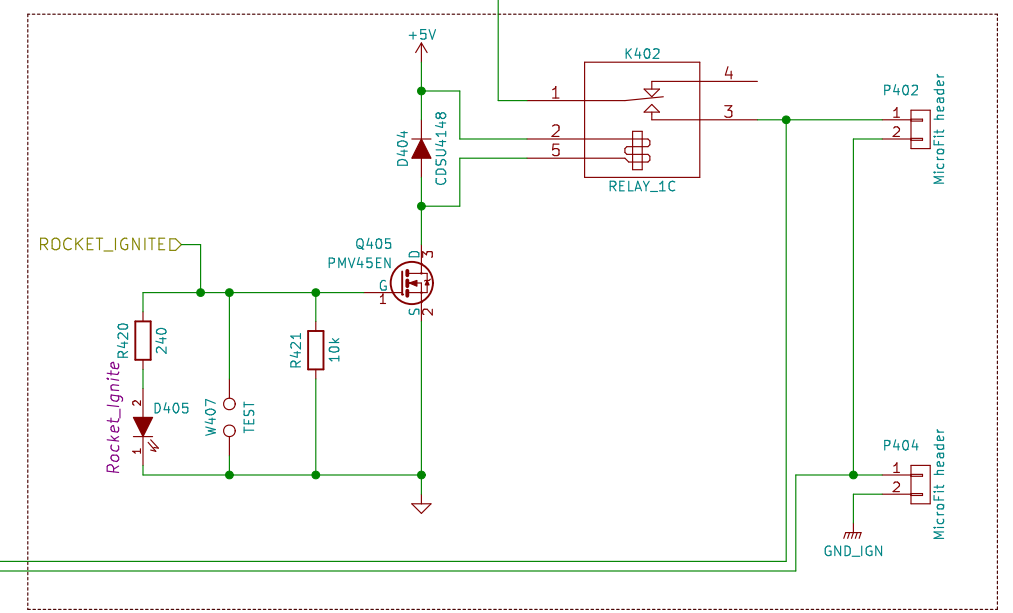


TODO: conn. to umbilical conn. on front panel

Rocket Umbilical  
Rocket-to-BeagleBone Ethernet

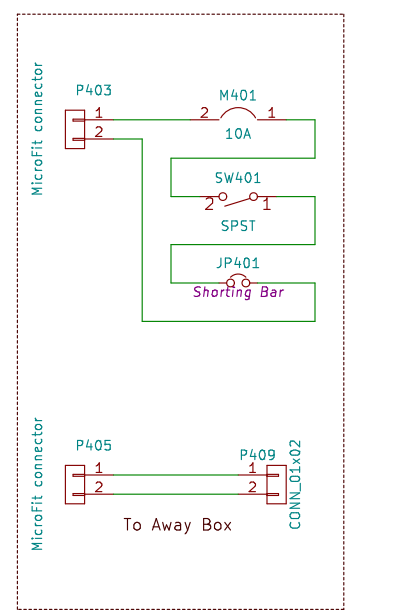


BAKERCON Hazard Gauge  
(super-bright LEDs, exterior panel)



Rocket Ignition Relay

TODO: add MicroFit housing contacts to BOM



Breaker, Arm Switch, Shorting Bar, & Ignition Connector  
(front panel)



