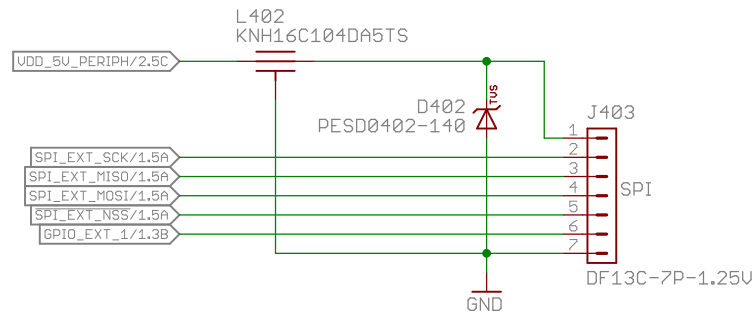
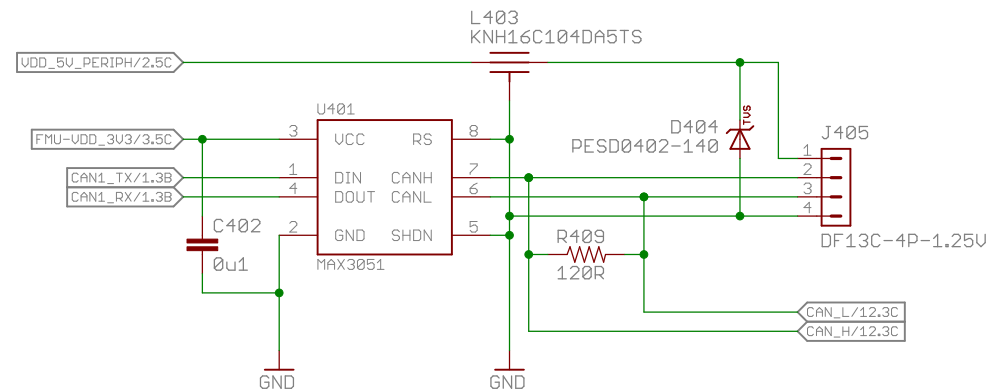
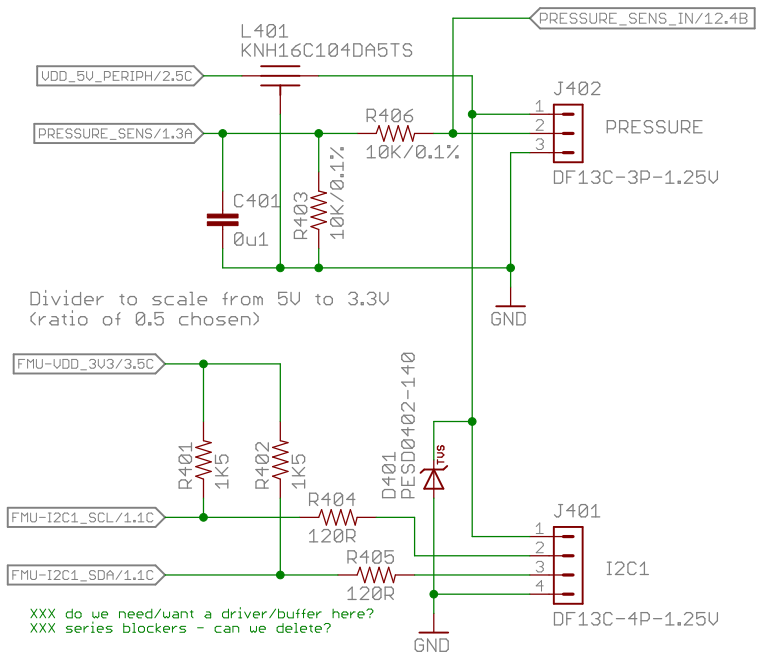
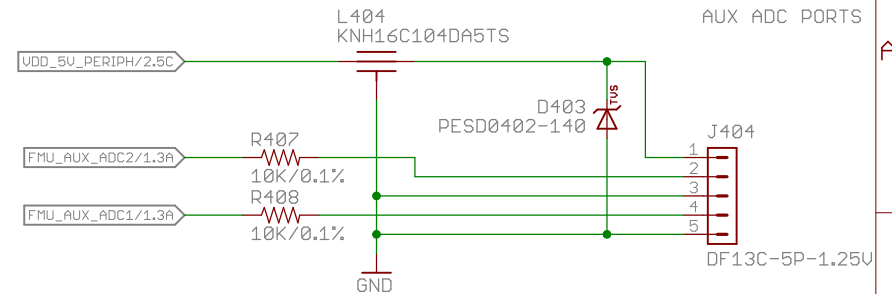


USB microSD Expansion	PX4FMUv2.4.5	
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	Sheet: 3/12	



Note: SPI port is UNBUFFERED; only suitable for short connections.

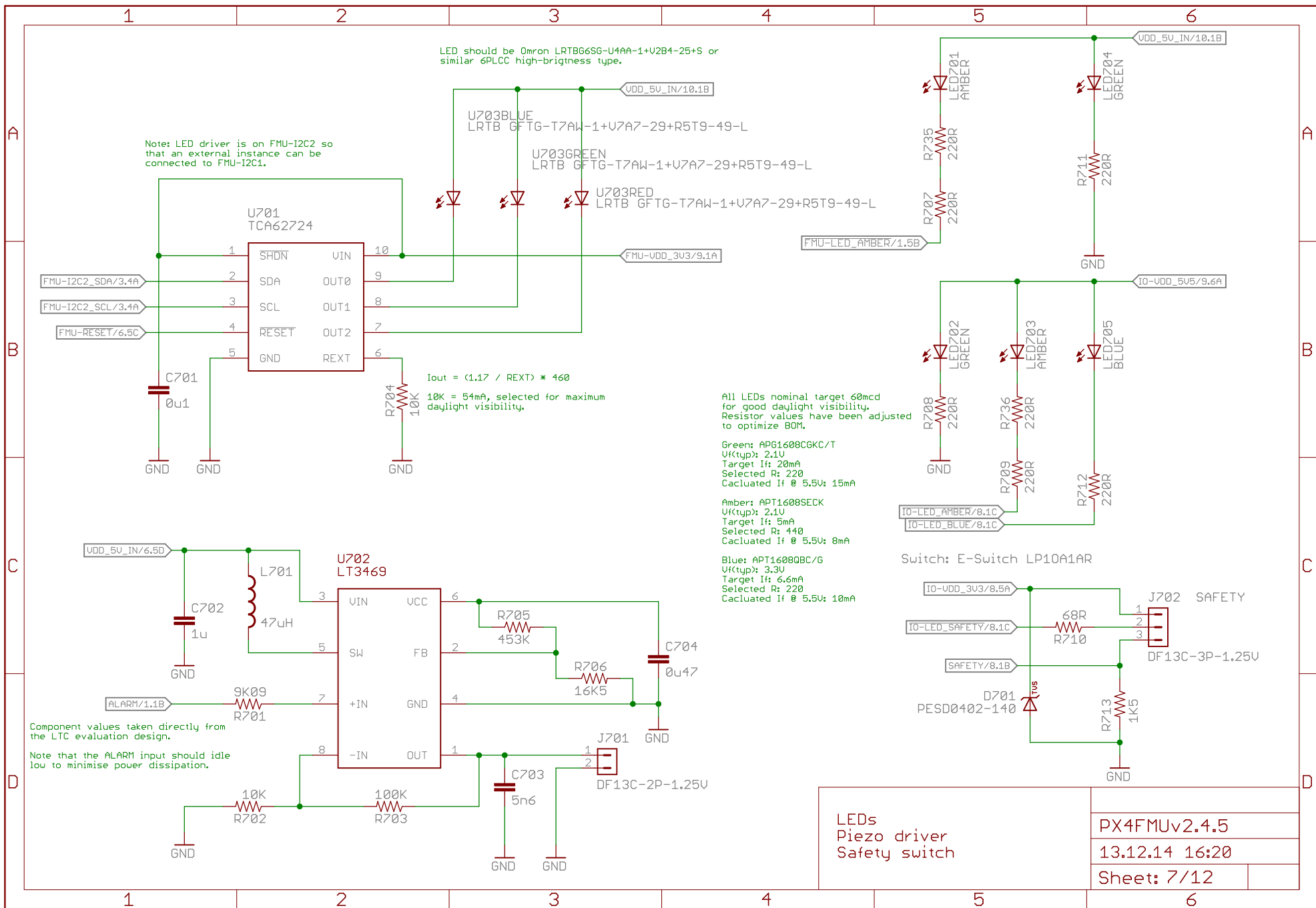


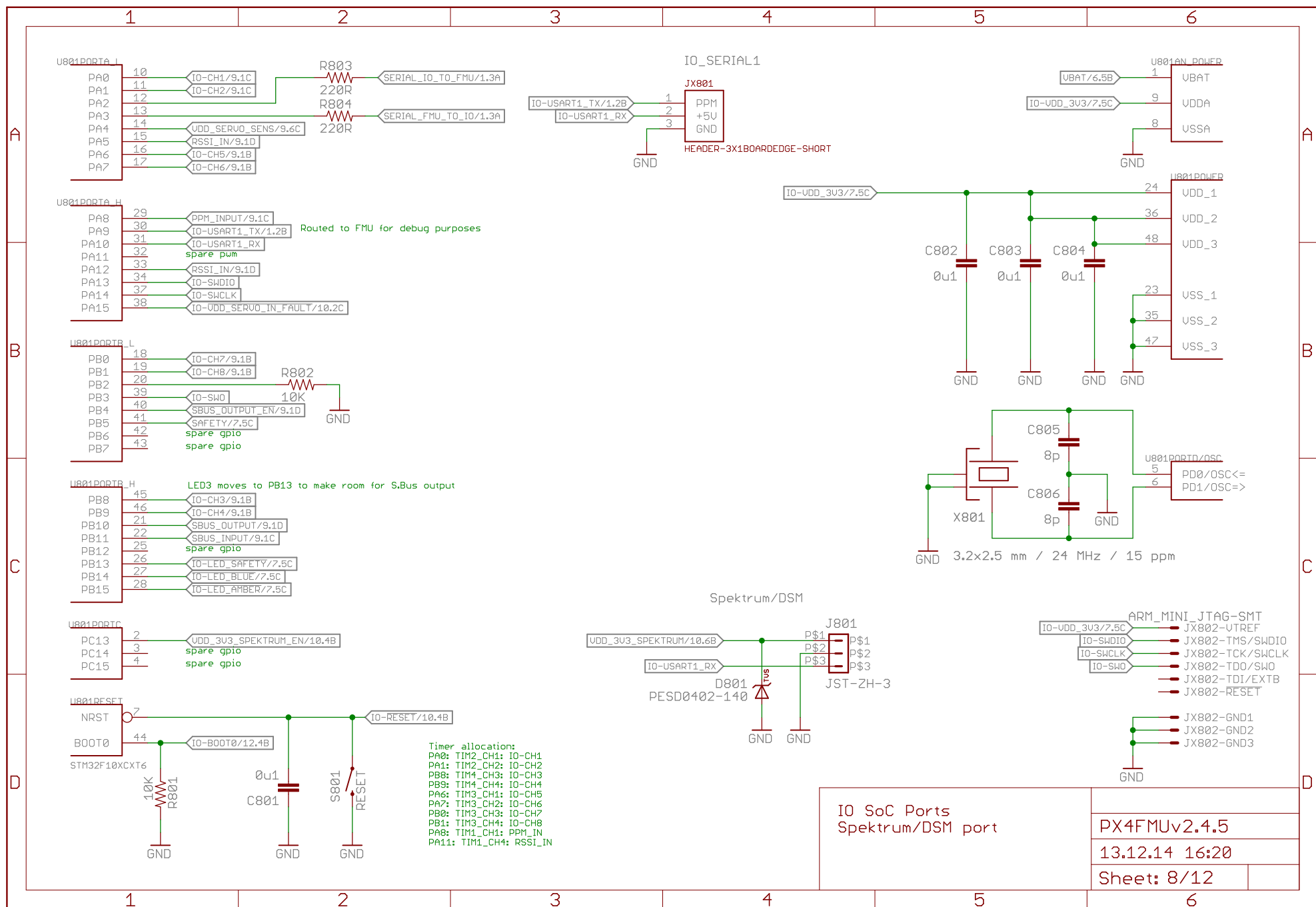
SPI
I2C
Analog pressure
CAN
Aux ADC ports

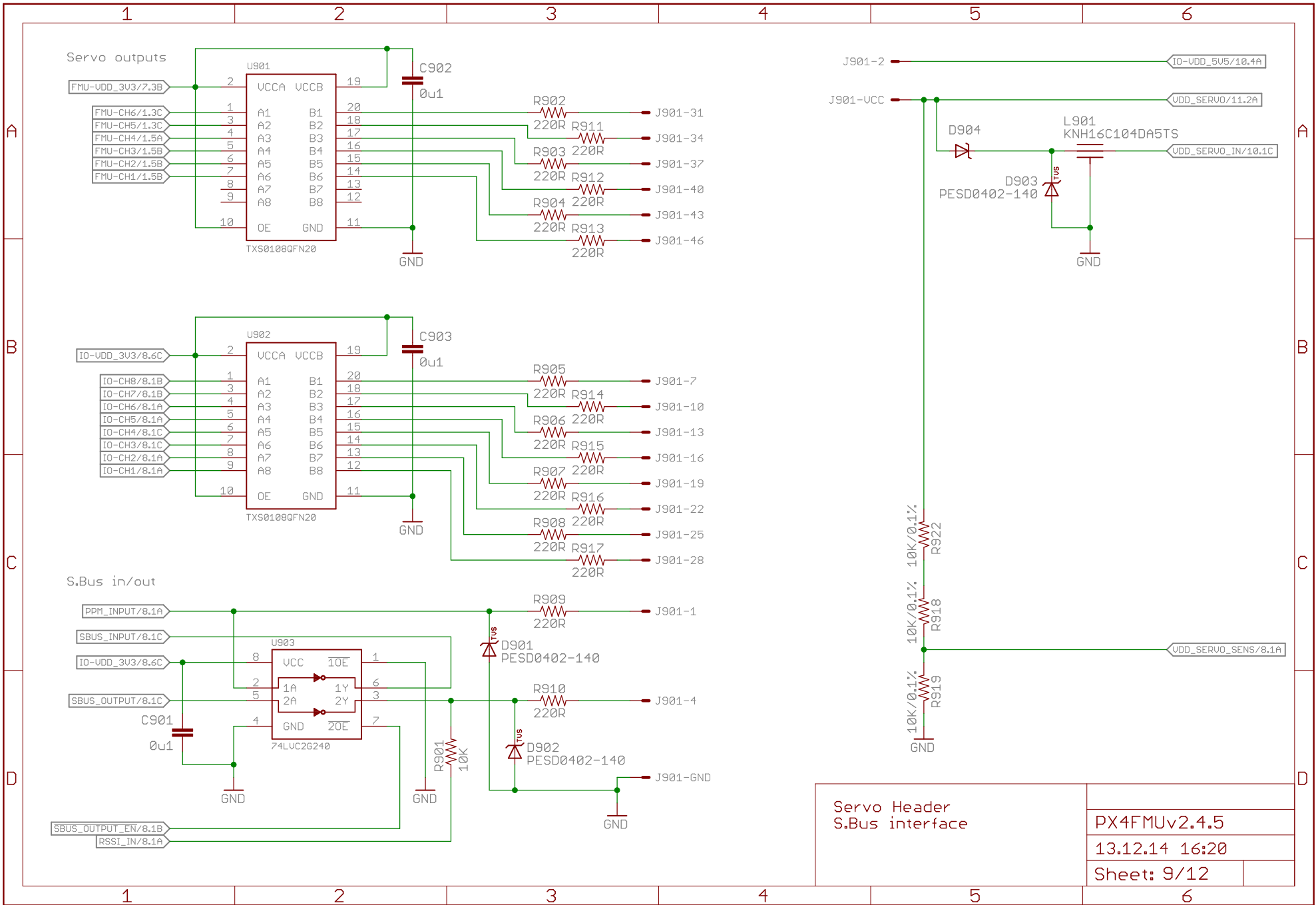
PX4FMUv2.4.5

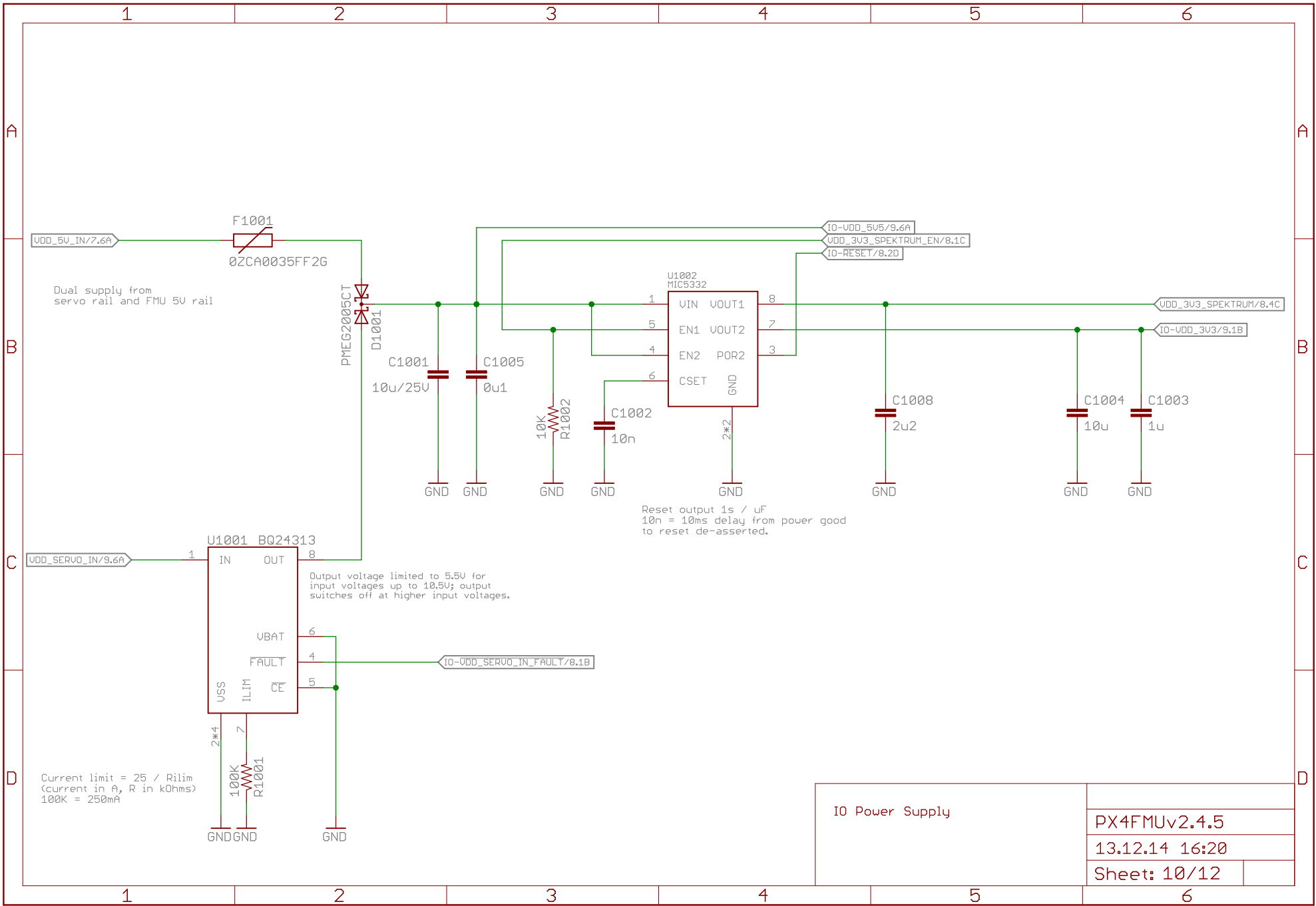
13.12.14 16:20

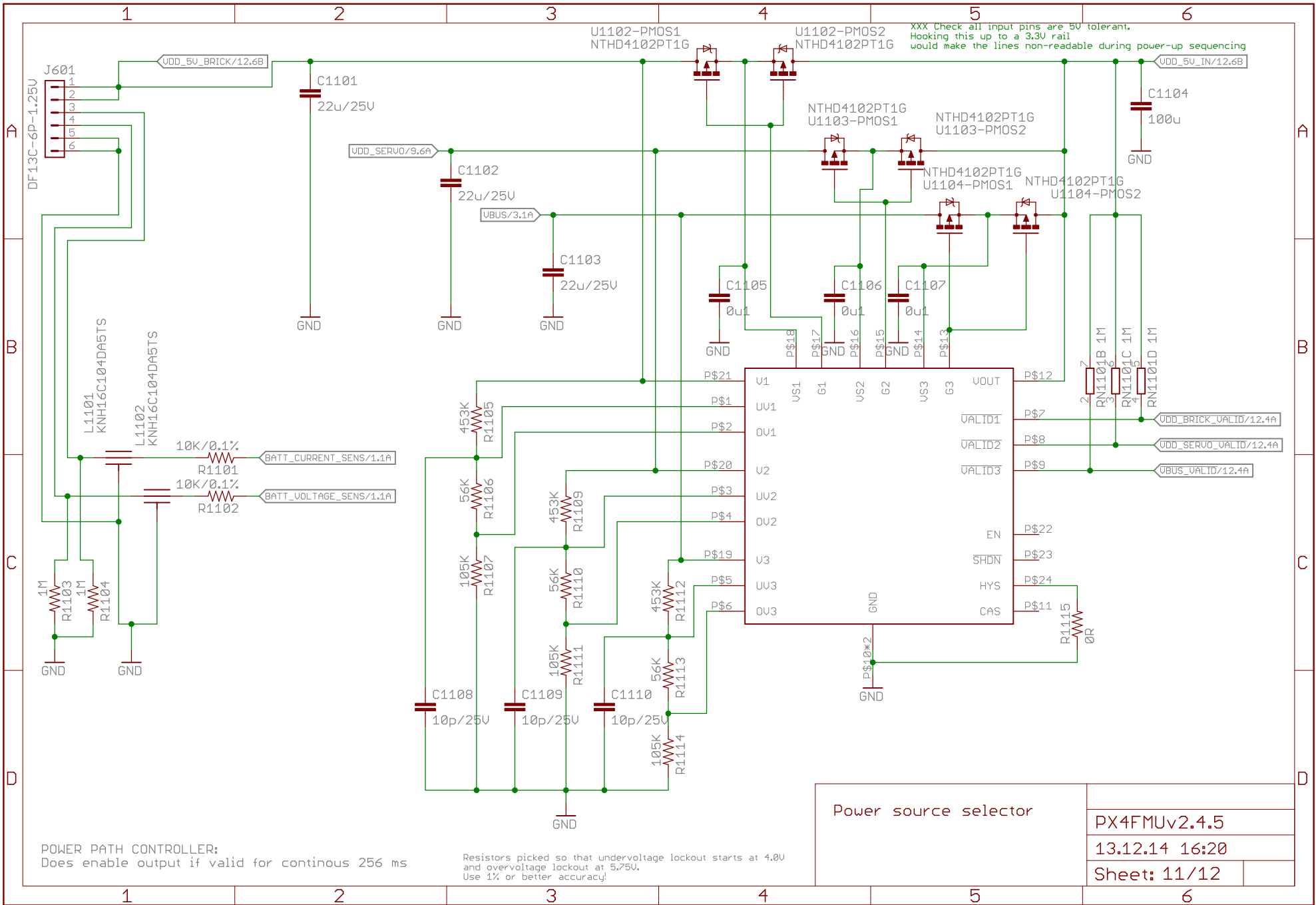
Sheet: 4/12











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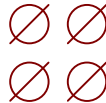
5

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**open hardware**

Parts:
Resistors: 0402 / 1% unless specified otherwise
Capacitors: 0402 to 1206, ceramic, voltage rating: 10V unless specified

Mounting holes to suit M3 fastener
and Richco R908 series spacer.
Use R908-5 spacers to stack with
other PX4 series boards (7.95 mm).



Minimum drill: 0.3 mm
Minimum trace width (use mm for traces): 0.15 mm
Minimum copper distance (all signals): 0.15 mm
Dimension / hole minimum distance: 0.2 mm
Layout grid: 4 mil, part grid: 4 mil. Dimensions / hole positions: 0.5 mm

Board: FR4 black, 1.0 mm. Solder stop on vias < 0.6 mm.

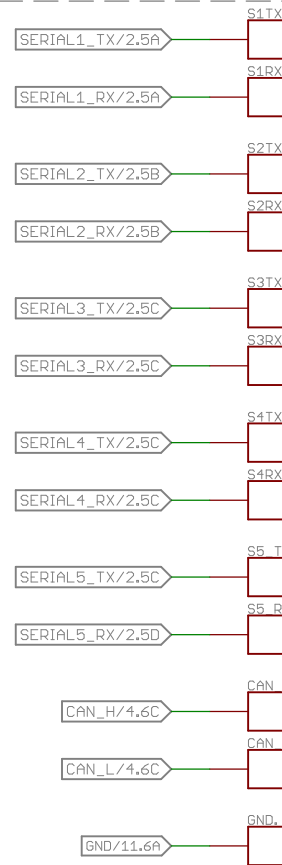
Signoff rules: Footprint checked,
pinmap checked,
schematic checked,
cross-references to
other pages checked.

Routing:
1: general/escape
2: ground
3: horizontal
4: vertical
5: power
6: general/escape

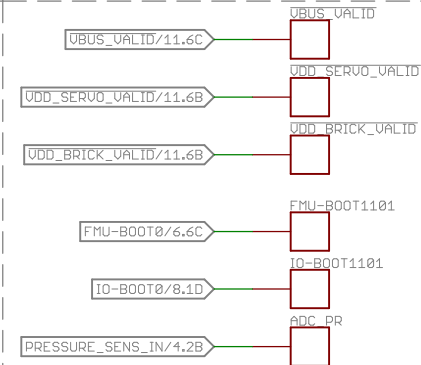
⊗ Fiducials for machine
vision alignment.

Production Testing Pads

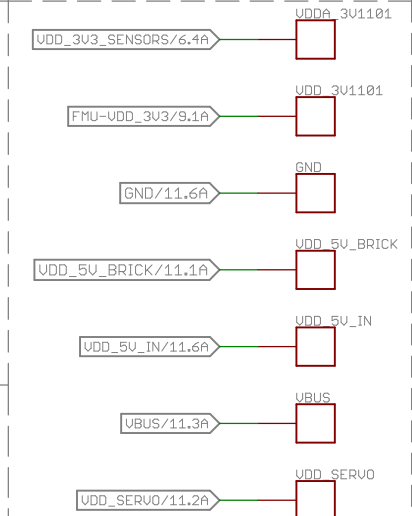
COMMS



STATUS AND ANALOG



POWER



Test and Fiducials

PX4FMUv2.4.5

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