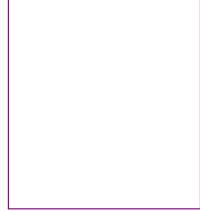


Sheet: Cube_connection

All pins from CUBE connector broken out with global net labels because 80 pins coming out of this sheet would defeat the purpose, nets are named as they are in standard cube carrier board schematic to be consistent. Global nets are not used in any sheet besides "Cube_connection", except for existing power symbols.

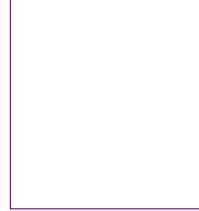
File: Cube_connection.sch

Sheet: Autopilot_power_supply



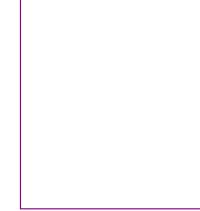
File: Autopilot_power_supply.sch

Sheet: Payload_power_supply



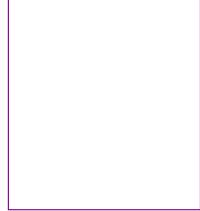
File: Payload_power_supply.sch

Sheet: MOSFET_Driver



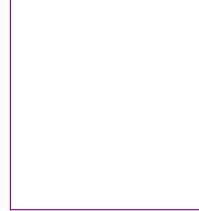
File: MOSFET_driver.sch

Sheet: 12V_SERVO_SUPPLY



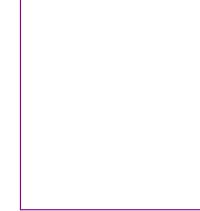
File: 12V_SERVO_SUPPLY.sch

Sheet: Misc_external_connectors

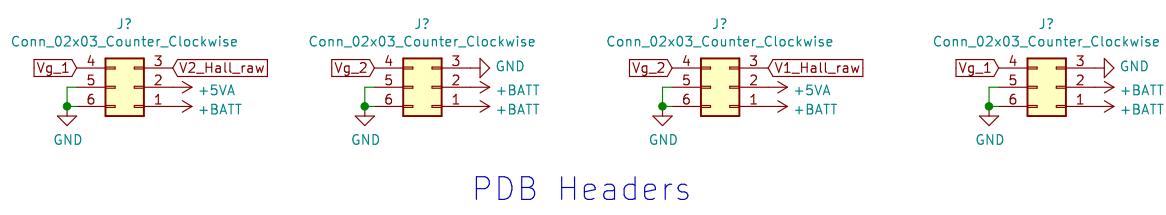


File: Misc_external_connectors.sch

Sheet: PowerSense_conditioning



File: PowerSense_conditioning.sch



Sheet: /
File: P2_PowerSystem.sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad (5.1.6)-1

Rev:
Id: 1/8

A

A

B

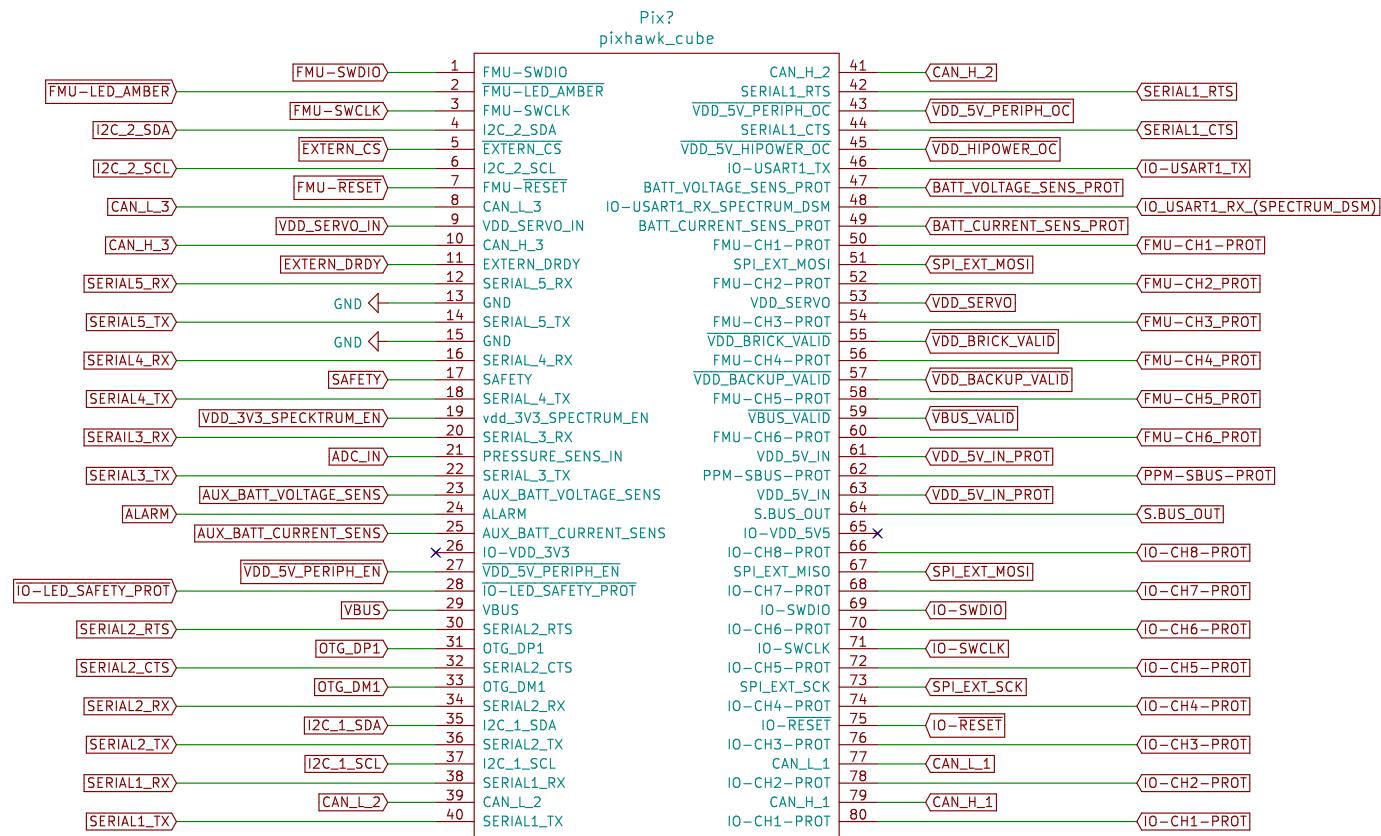
B

C

C

D

D

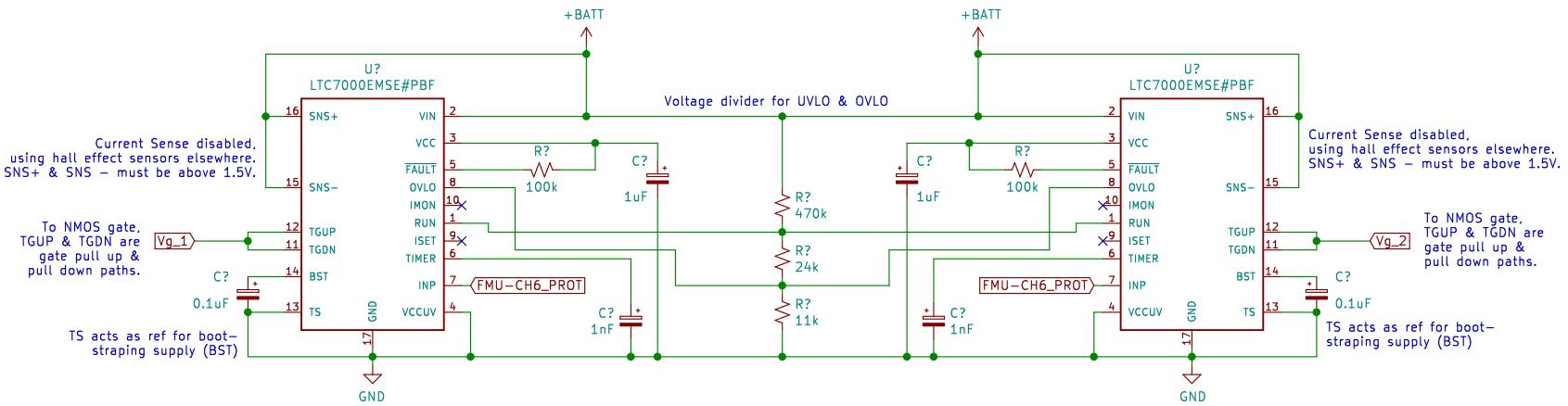


Sheet: /Cube_connection/
File: Cube_connection.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad (5.1.6)-1

Rev:
Id: 2/8

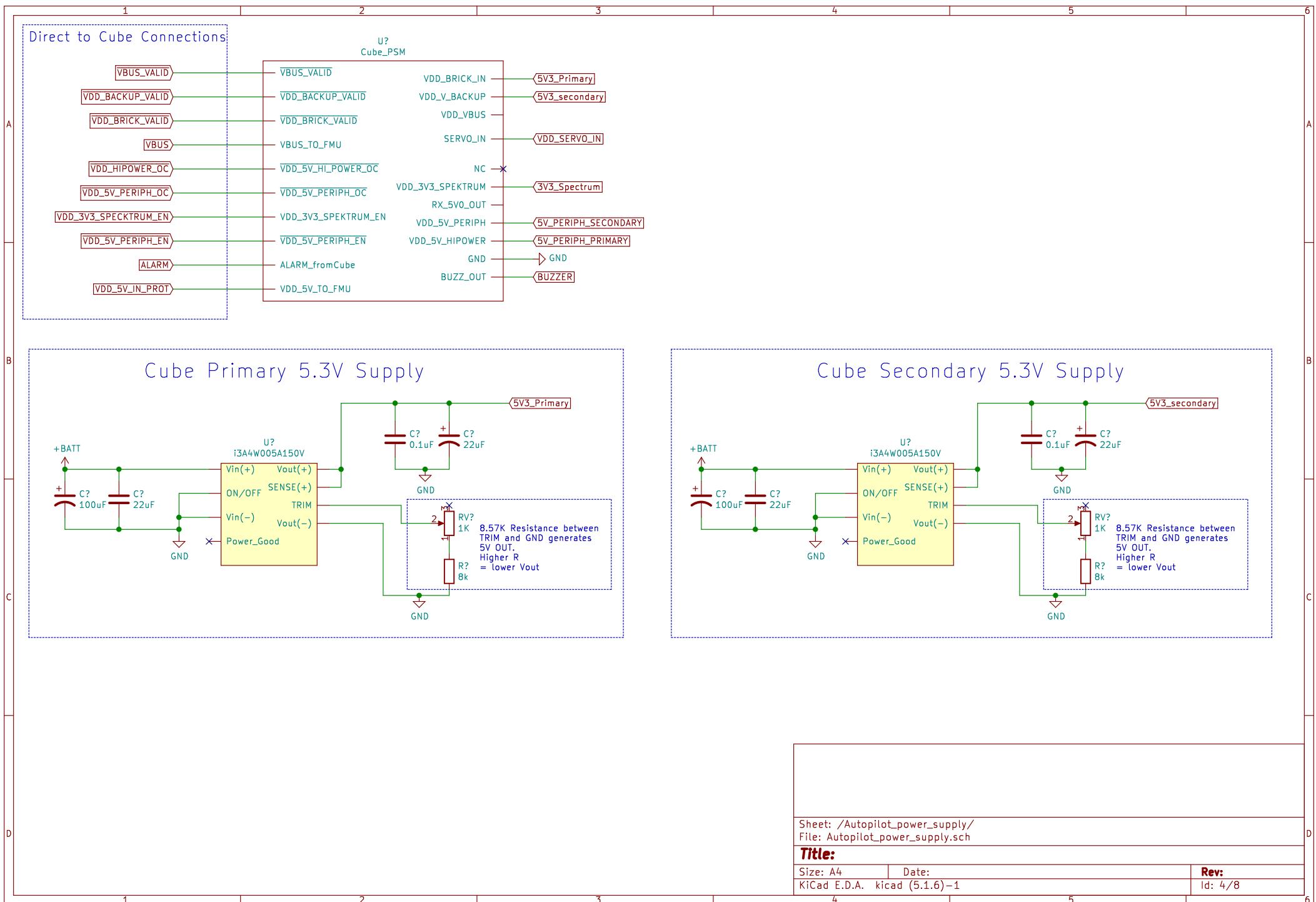


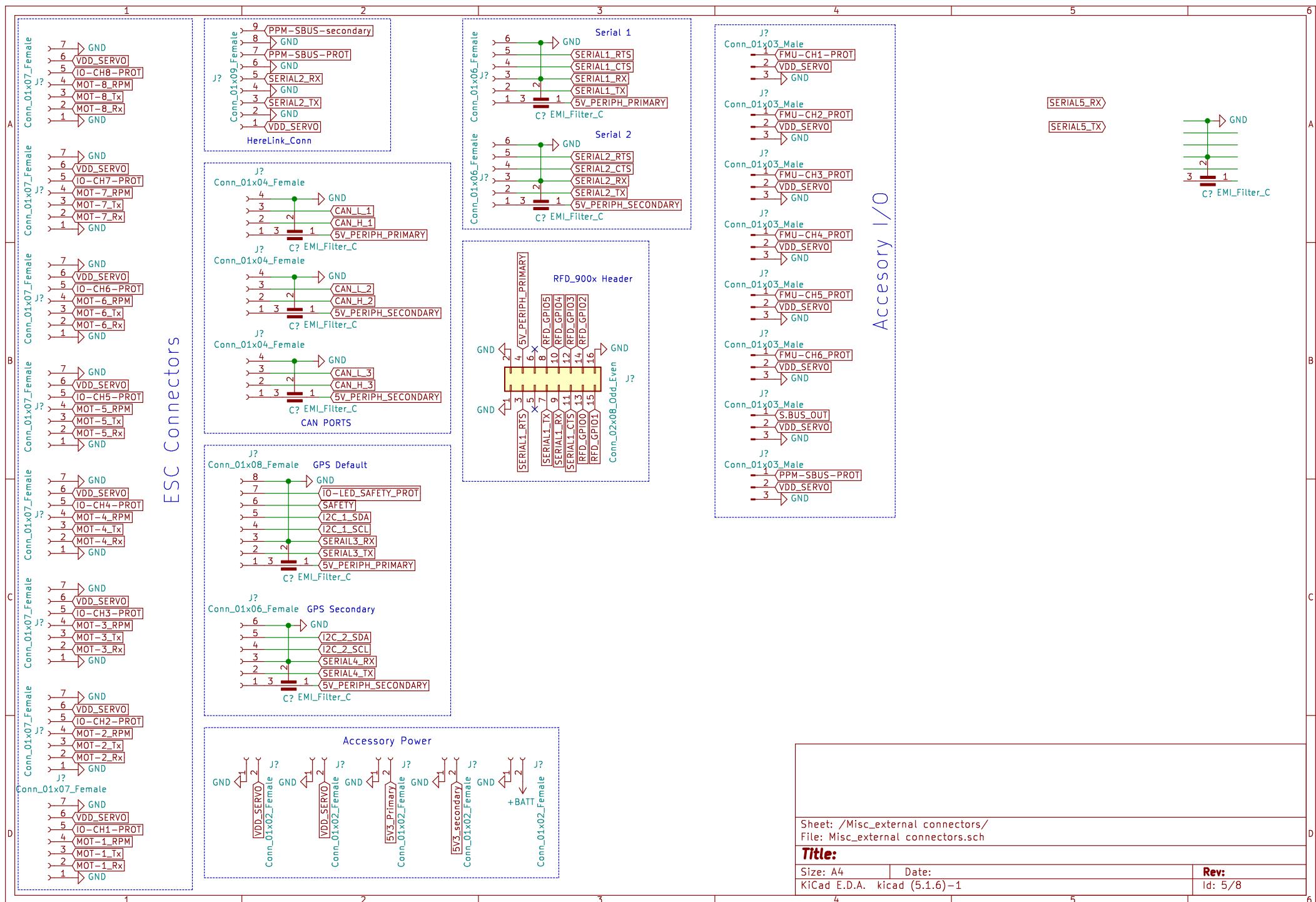
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File: MOSFET_Driver.sch

Title:

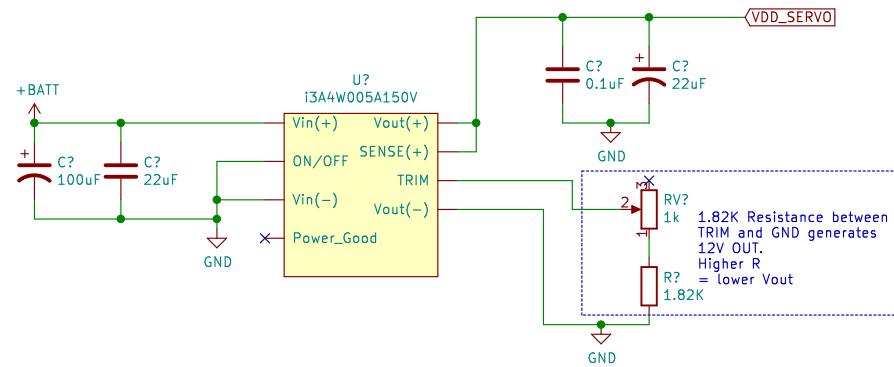
Size: A4 | Date:
KiCad E.D.A. kicad (5.1.6)-1

Rev:
Id: 3/8





VDD_SERVO Supply – For powering Herelink, Fan, Servo...



See data sheet for layout and component selection guidelines, currently set for 12V output.

Sheet: /12V_SERVO_SUPPLY/
File: 12V_SERVO_SUPPLY.sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad (5.1.6)-1

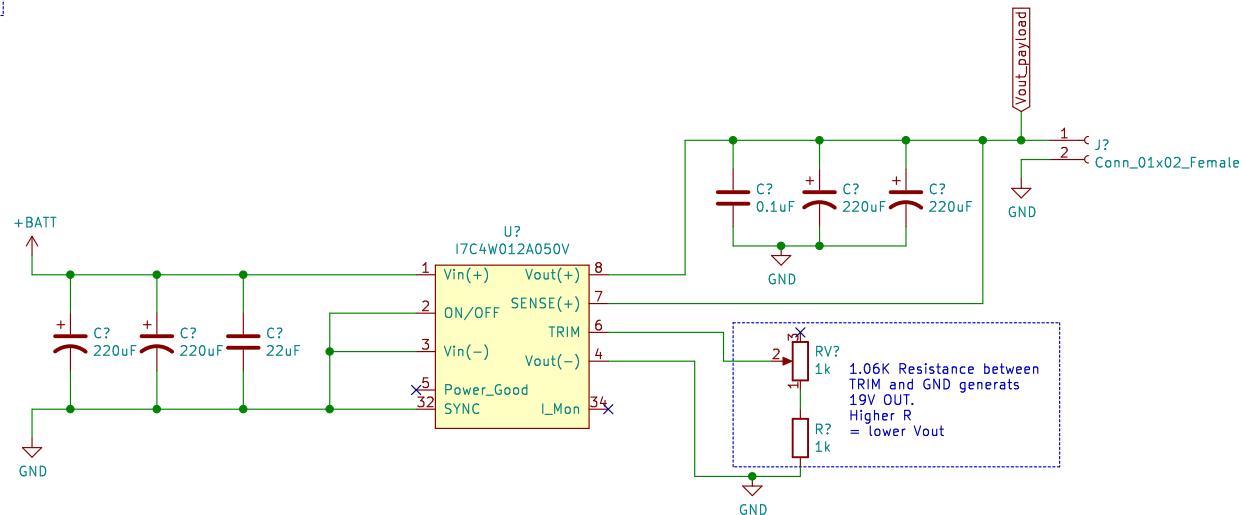
Rev:
Id: 6/8

250W DC-DC converter, 9–53V input
3.3–53V output, settable with single resistor swap.
uses multi turn pot for fine adjust.
Requires 3V3 to operate, active low enable.

Currently set to output 19V

A

A



B

B

C

C

D

D

Sheet: /Payload_power_supply/
File: Payload_power_supply.sch

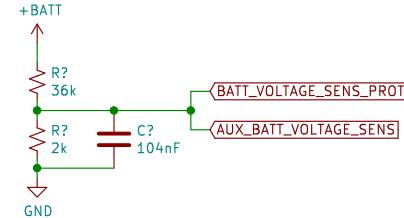
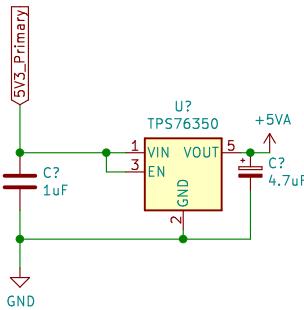
Title:

Size: A4 | Date:
KiCad E.D.A. kicad (5.1.6)-1

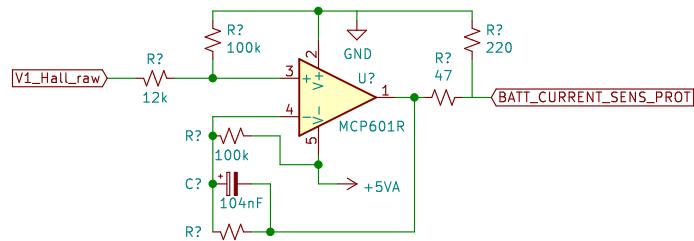
Rev:
Id: 7/8

1 2 3 4 5 6

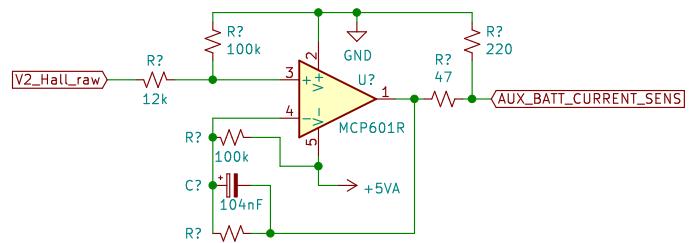
A



B



C



D

Sheet: /PowerSense_conditioning/
File: PowerSense_conditioning.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad (5.1.6)-1

Rev:
Id: 8/8

1 2 3 4 5 6