

Duet 5+ Ethernet

Sheet: Processor

Processor

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Sheet: IO

IO

File: io.sch

Sheet: Power

Power

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Sheet: Stepper Driver & Endstops

Stepper Drivers

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Sheet: MOSFETs and Buffers

MOSFET outputs
Buffers/Logic

File: FETsBuffers.sch

Sheet: Headers

Headers

File: Headers.sch

Sheet: Comms

Comms

File: Comms.sch

(c) Duet3D

Duet3D

Sheet: /

File: Duet3_5+_Ethernet.sch

Title: Duet 3 Mini 5+ – Ethernet

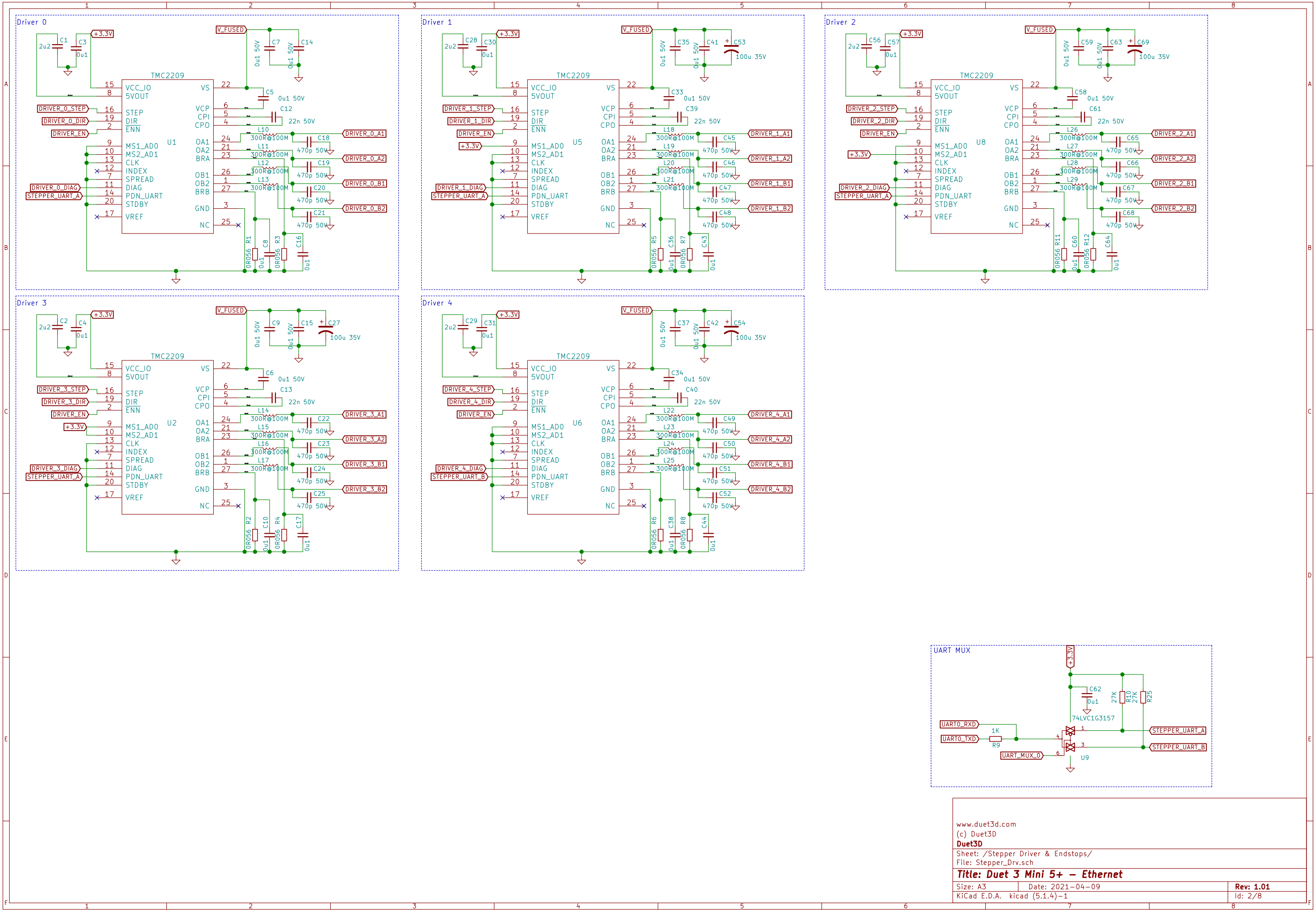
Size: A4

Date: 2021-04-09

Rev: 1.01

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Sheet: /Stepper Driver & Endstops/

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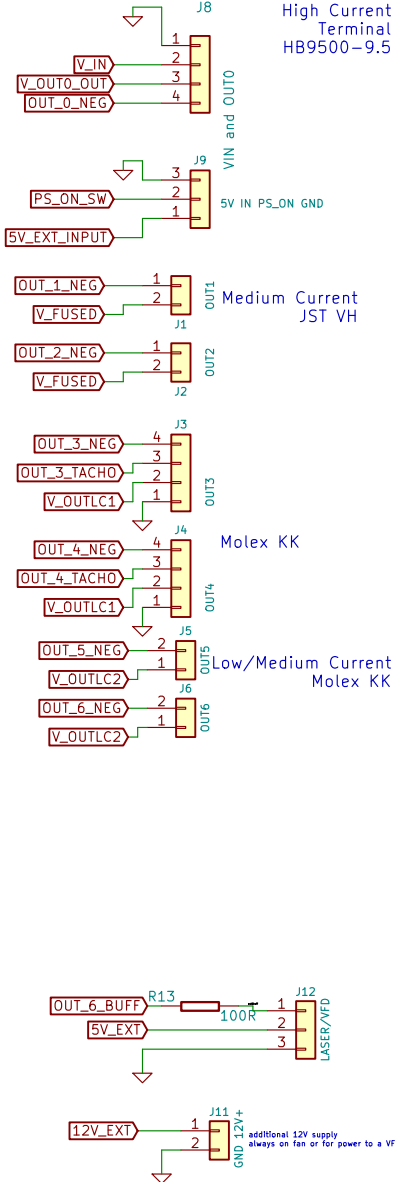
Date: 2021-04-09

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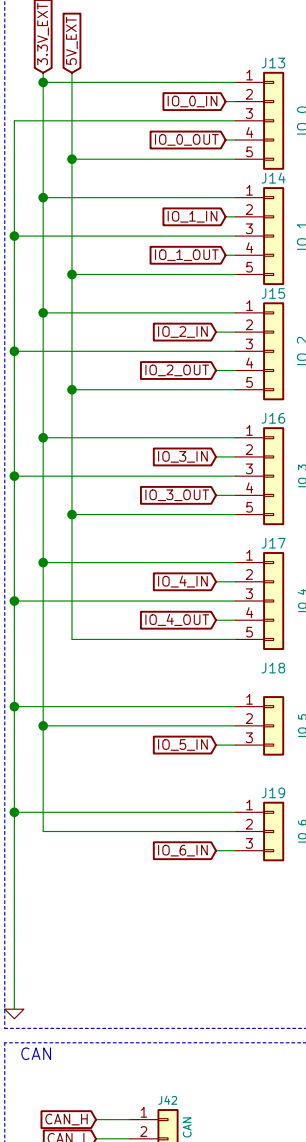
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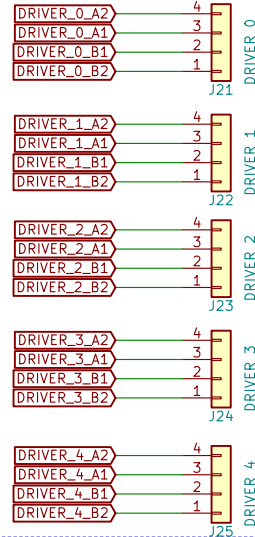
Power, MOSFET outputs



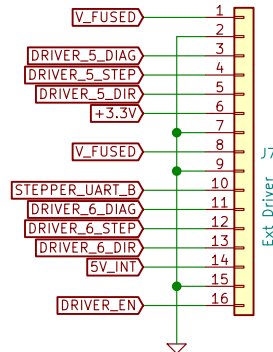
I/O Headers (used for endstops, probes and filament monitors)



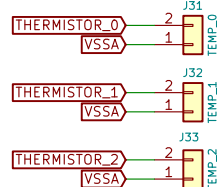
Motor Connectors



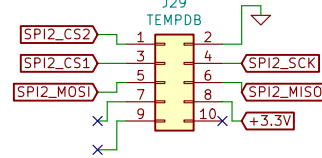
External Drivers



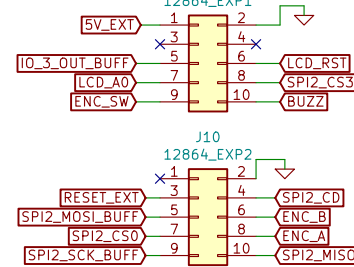
Temperature (Thermistor & PT1000)



Temp DB Header



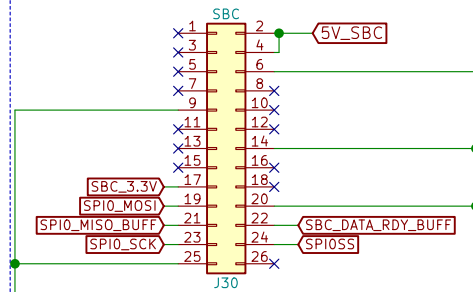
12864 display



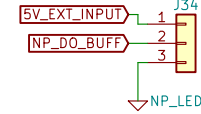
PanelDue & External SD



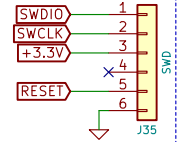
SBC Connection



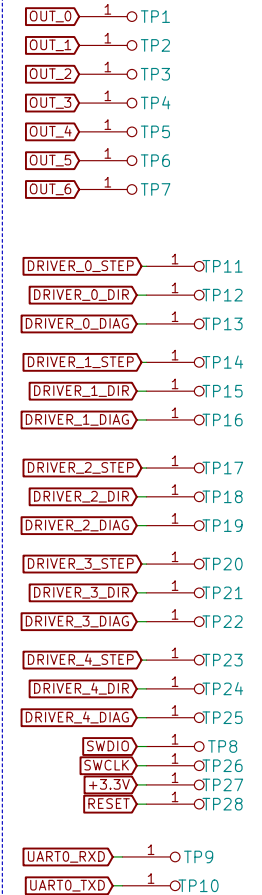
NeoPixel LED connection



SWD



Test Points



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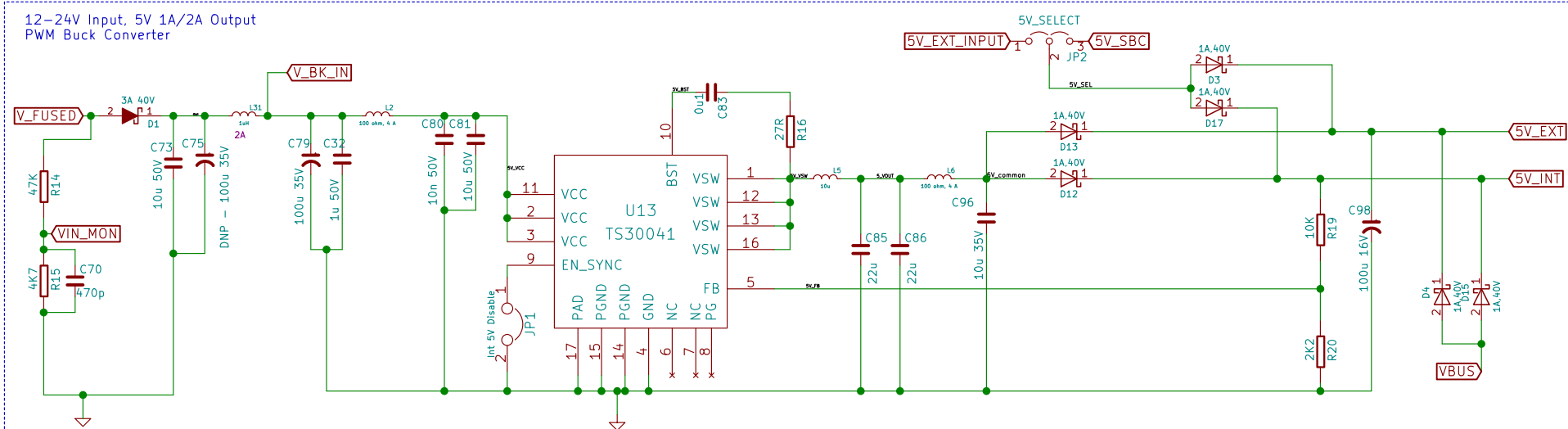
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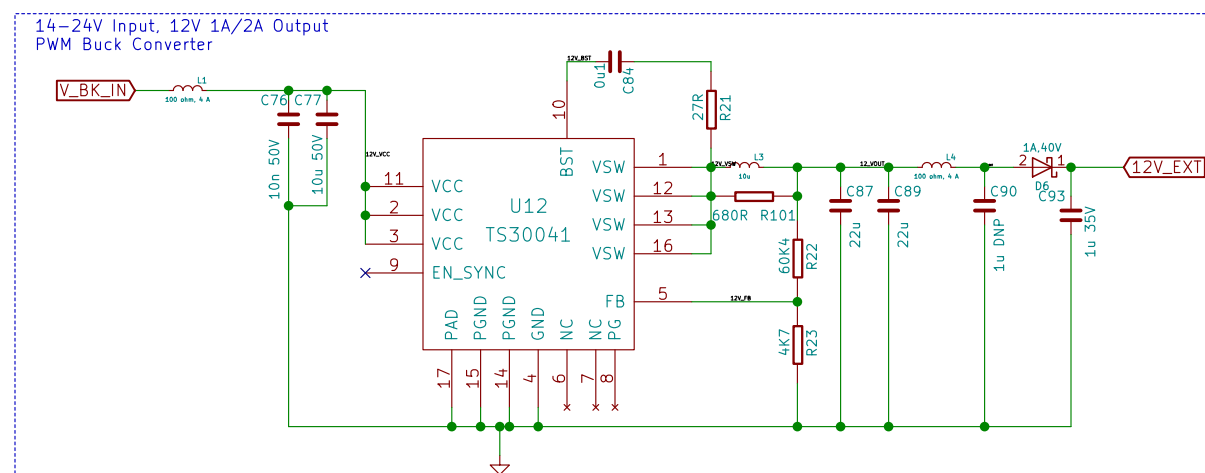
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Date: 2021-04-09
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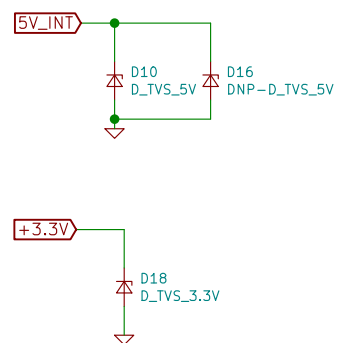
12–24V Input, 5V 1A/2A Output
PWM Buck Converter



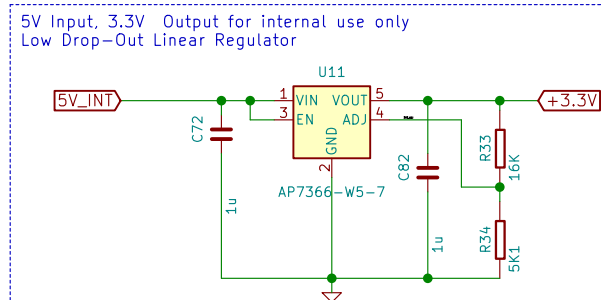
14–24V Input, 12V 1A/2A Output
PWM Buck Converter



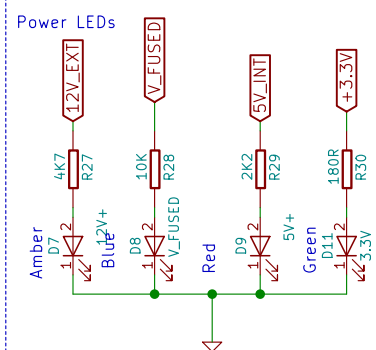
ESD protection for 5V_INT



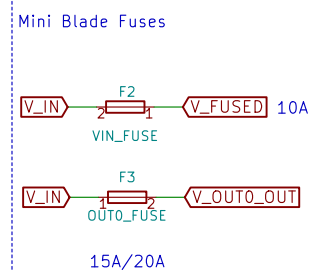
5V Input, 3.3V Output for internal use only
Low Drop–Out Linear Regulator



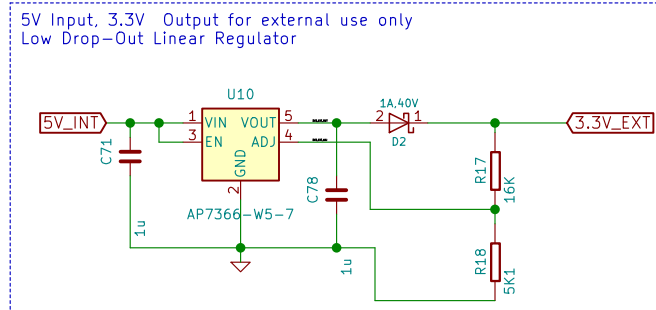
Power LEDs



Mini Blade Fuses



5V Input, 3.3V Output for external use only
Low Drop–Out Linear Regulator



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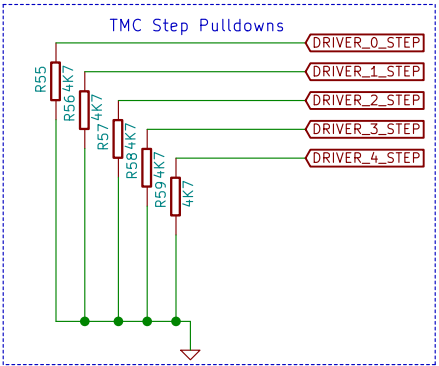
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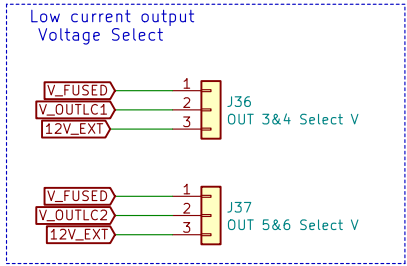
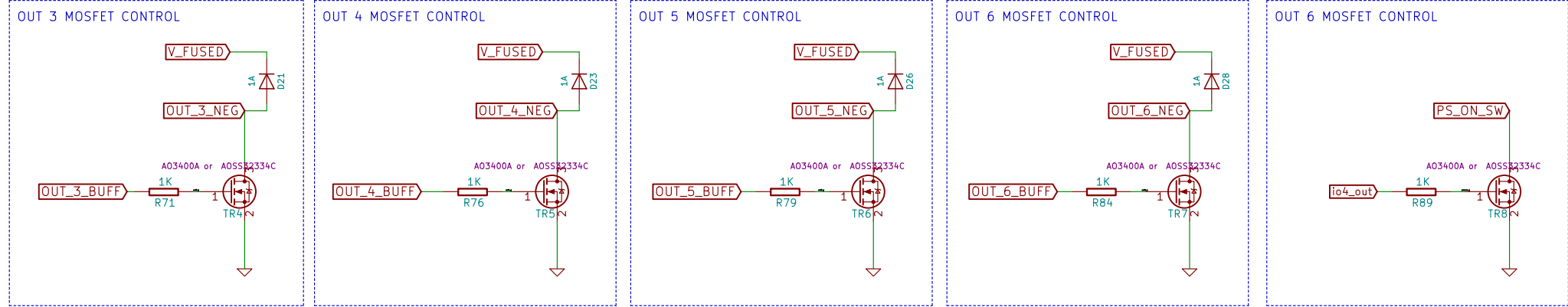
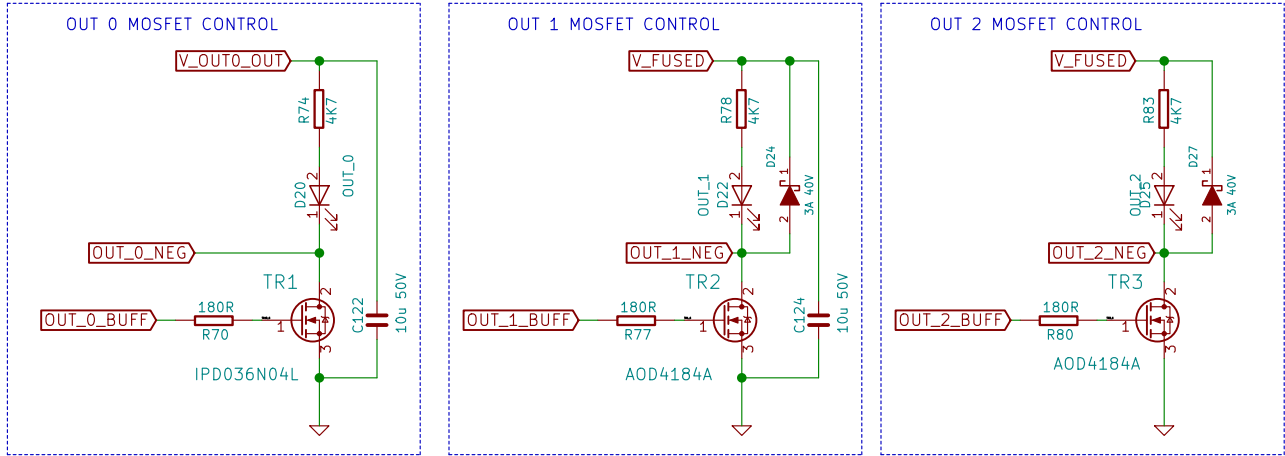
Rev: 1.01

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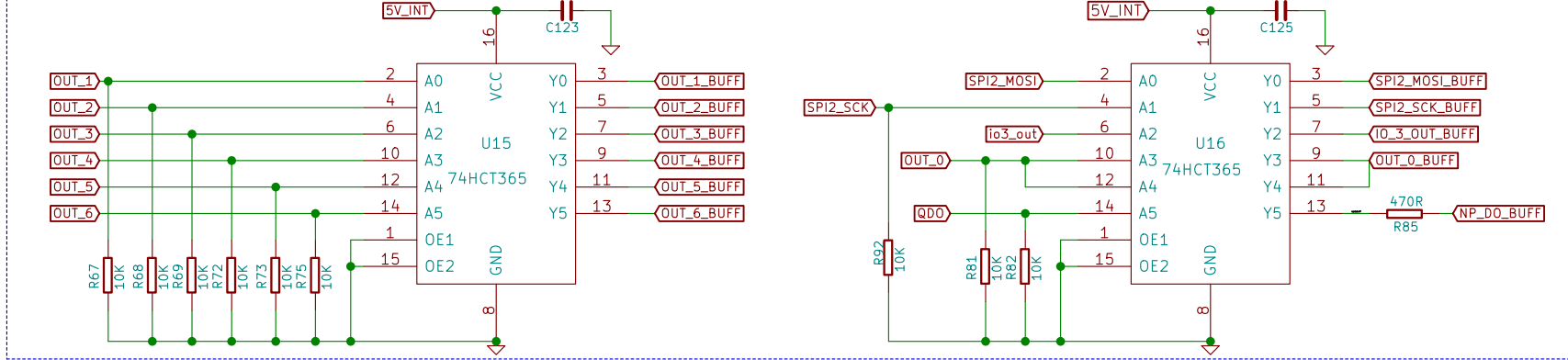
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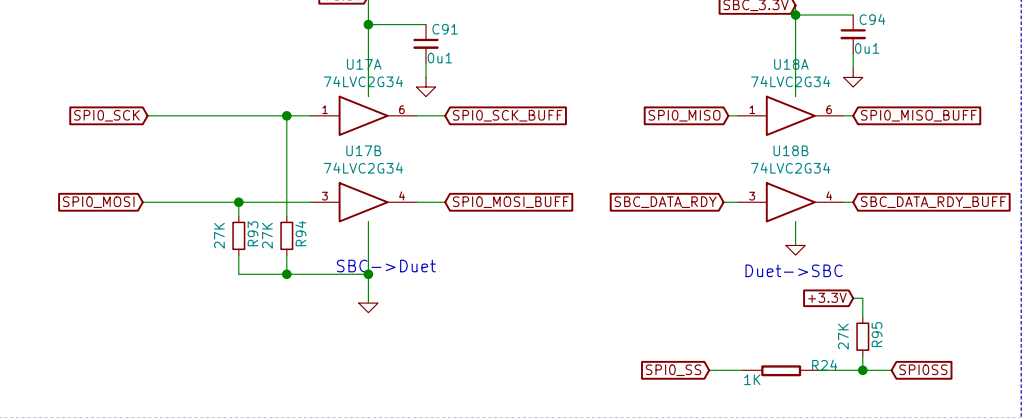
OUT0 – OUT3 – High current MOSFETs



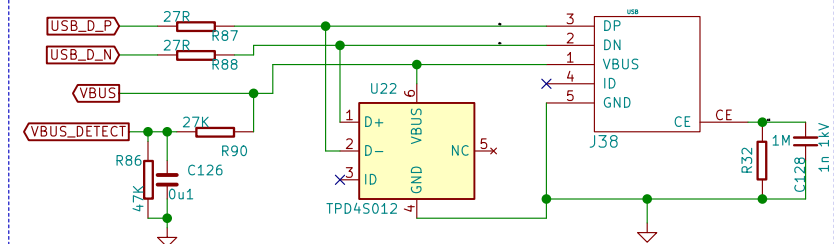
FET Drives



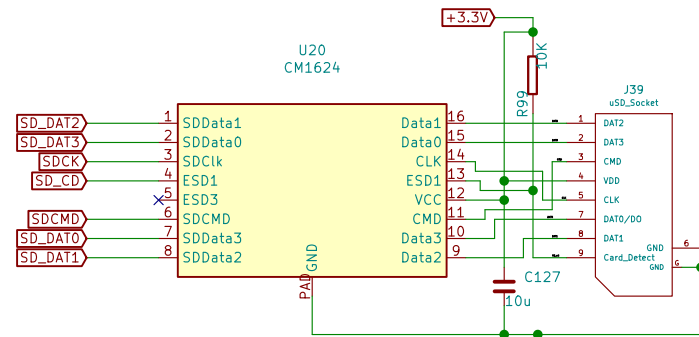
RPI Comms Buffers



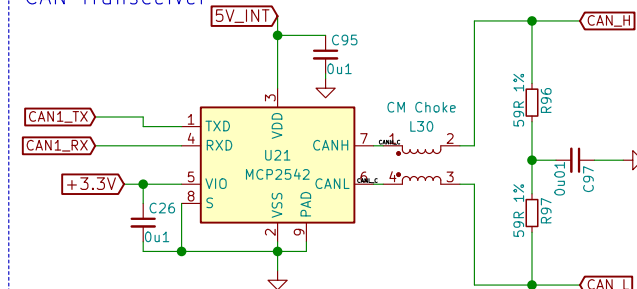
USB



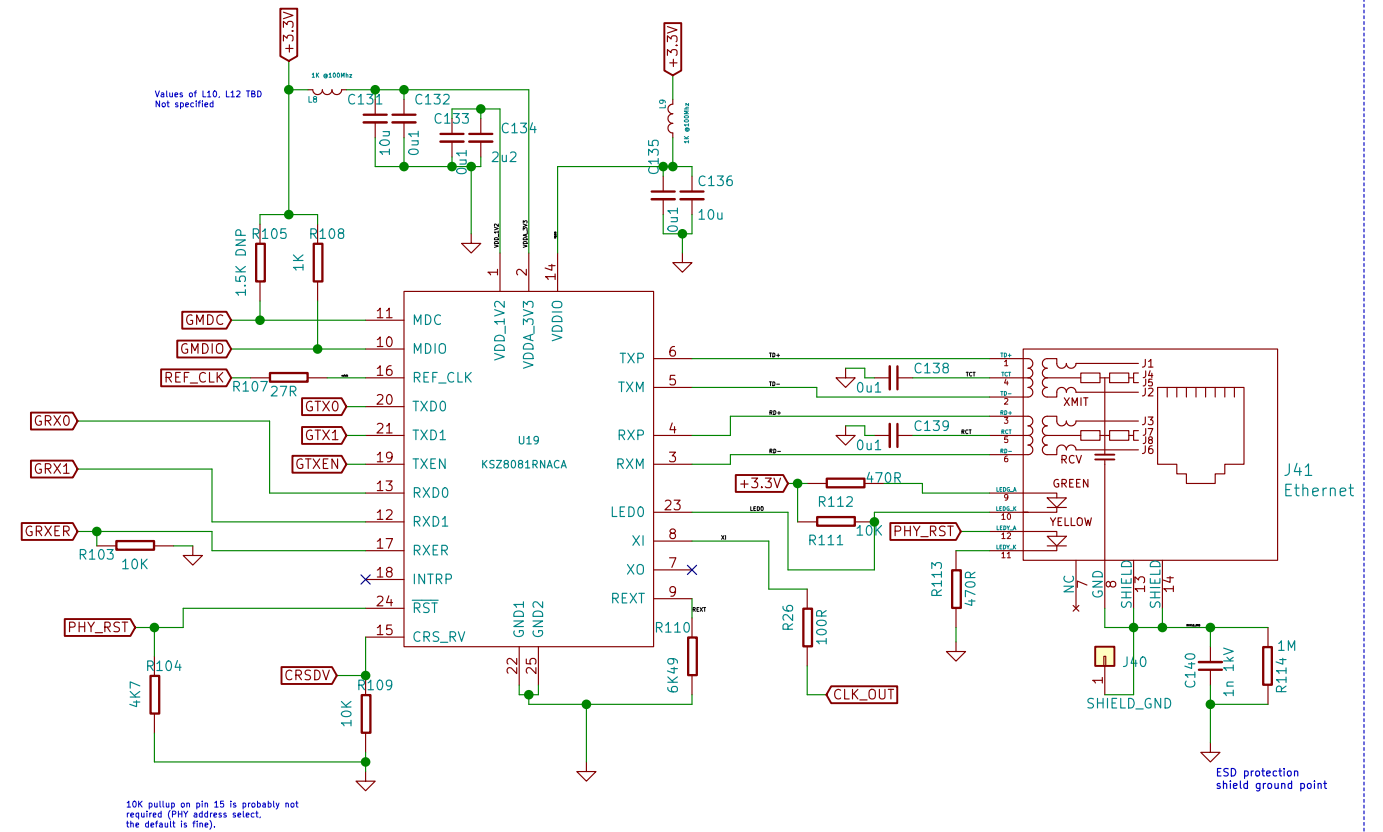
uSD



CAN Transceiver



- Ethernet



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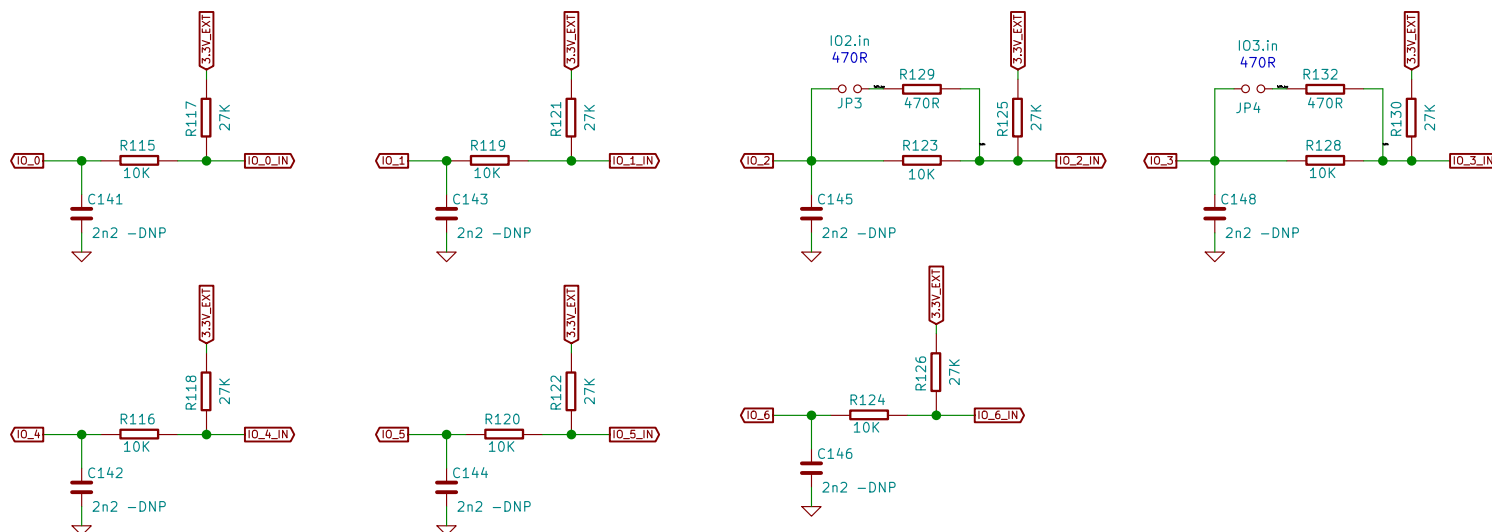
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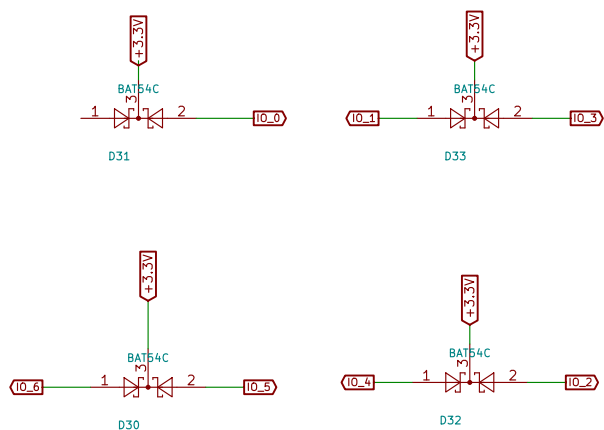
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IO inputs (Used for endstops, probes, filament monitors and other low speed IO)



Input Protection



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