

Duet3 ToolBoard 1LC
1 TMC 2209

Sheet: Processor

Processor

File: Processor.sch

Sheet: Stepper Driver & Endstops

Stepper
IO
FETs
Comms

File: Stepper_Drv.sch

Sheet: Headers

Headers & Power

File: Headers.sch

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Sheet: /
File: Duet3_TB_1LC.sch

Title: Duet 3 – Tool Board – 1LC

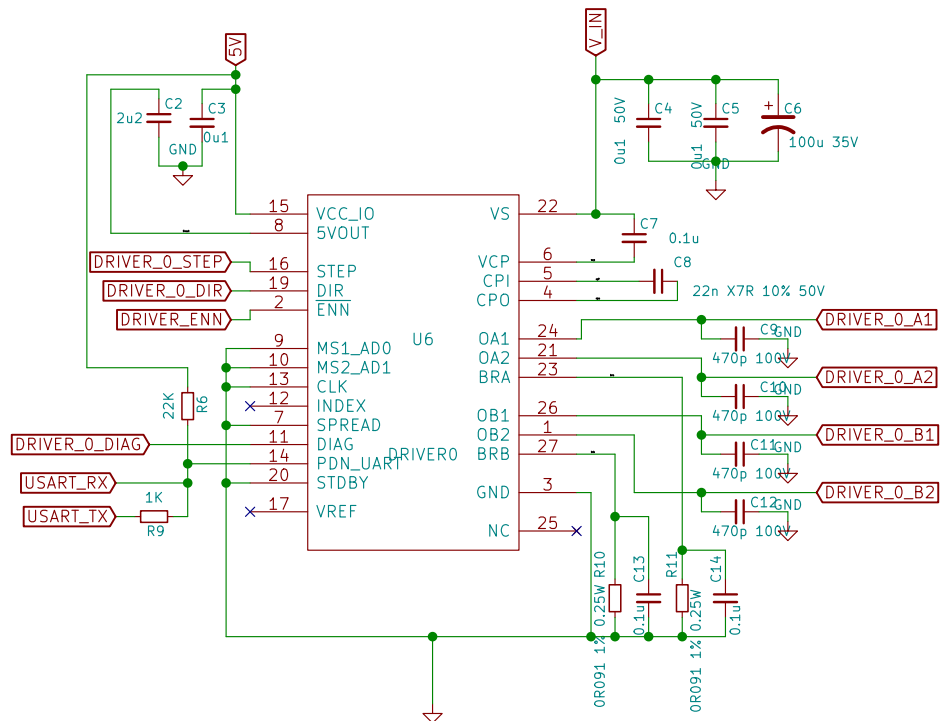
Size: A4 Date: 2020-03-29

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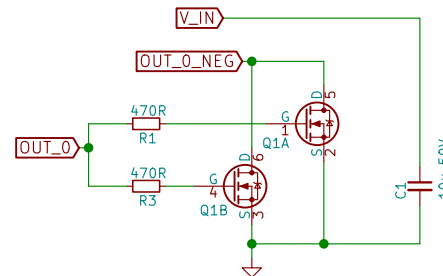
Rev: 1.0

Id: 1/4

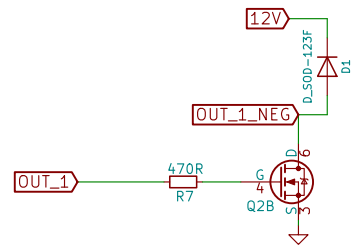
Driver 0



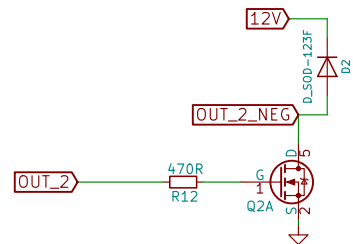
OUT 0 MOSFET CONTROL



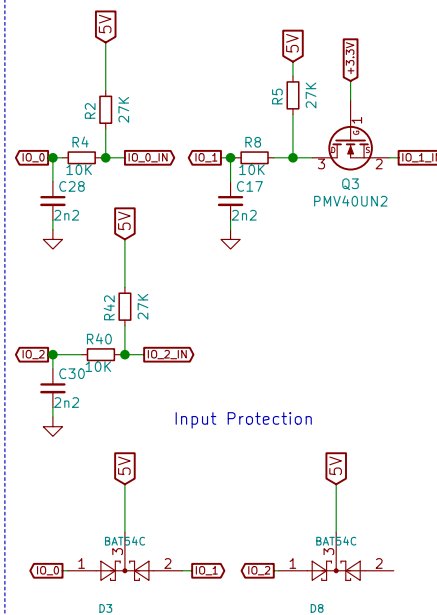
OUT 1



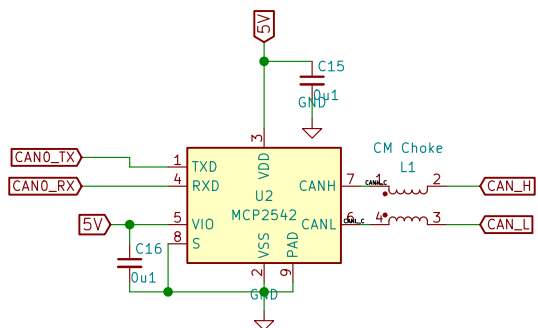
OUT 2



Endstops & probe inputs



CAN Transceiver



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Sheet: /Stepper Driver & Endstops/

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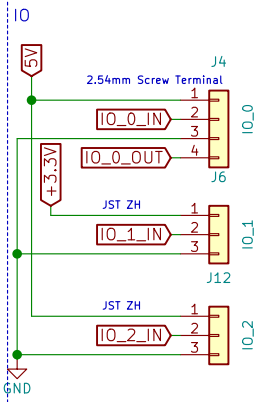
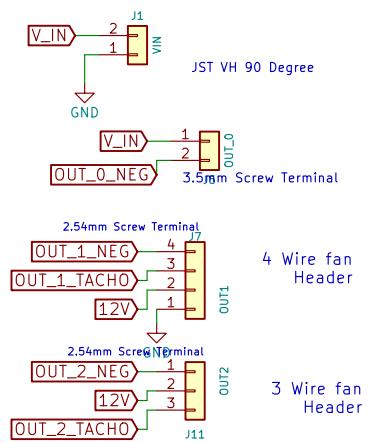
Date: 2020-03-29

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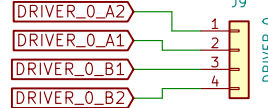
Rev: 1.0

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Power, MOSFET outputs

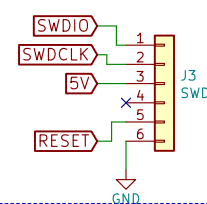


Motor Connector – JST PA

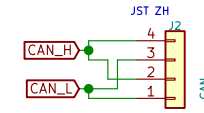


NOTE: Stepper motor pinout is different from other Duet 3s to simplify routing

SWD Connector



CAN

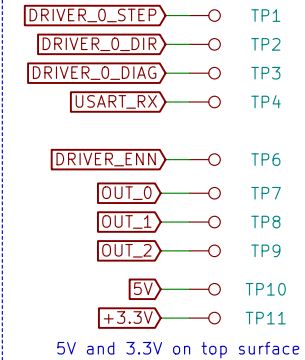


Temperature

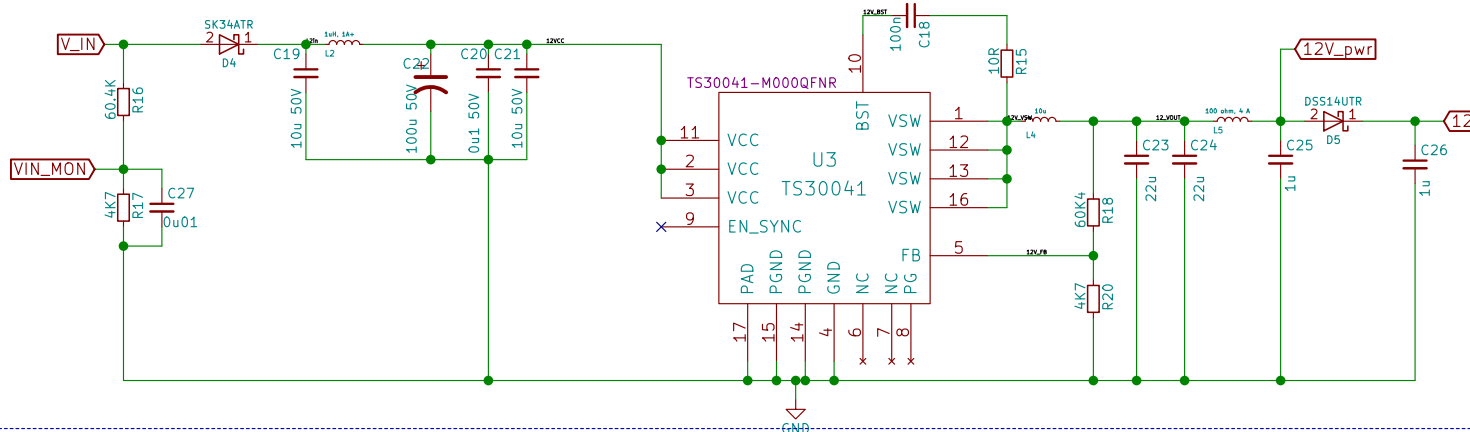


Test Points

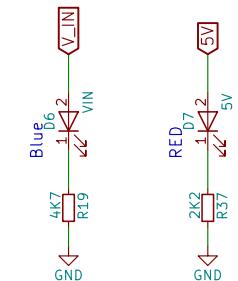
All test points are DNP



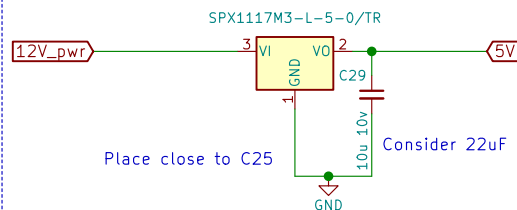
24–36V Input, 12V 2A Output PWM Buck Converter



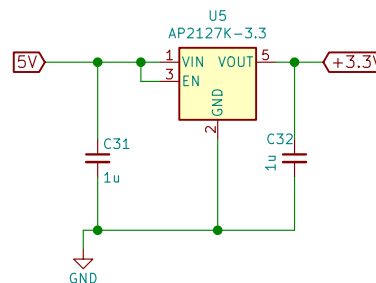
Power LED 5V LED



12V Input, 5V Output Low Drop-Out Linear Regulator



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



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