

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

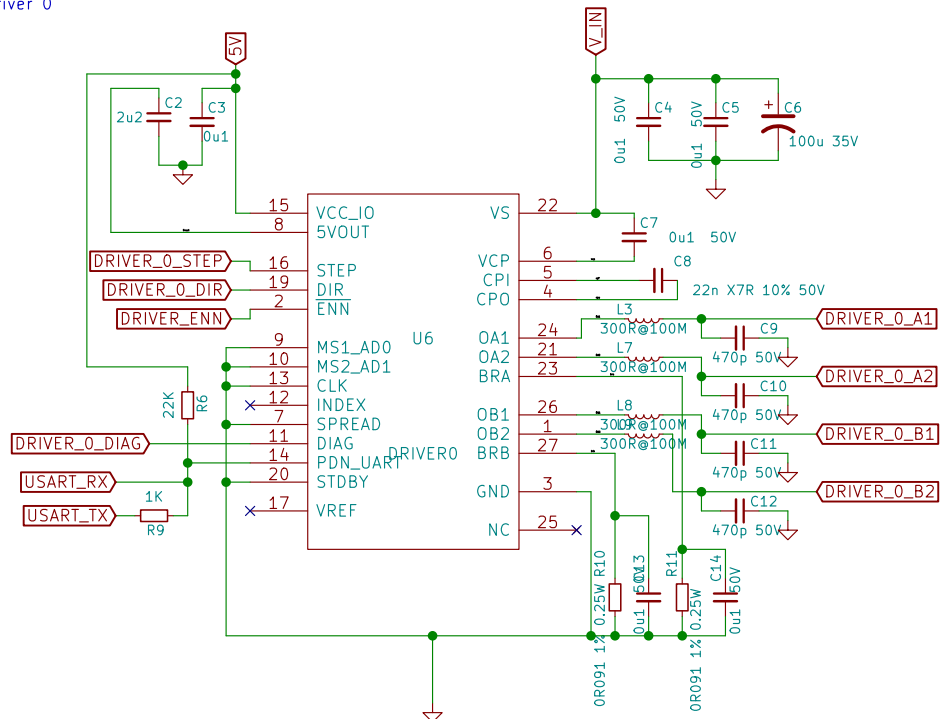
Size: A4 Date: 2021-01-16

KiCad E.D.A. kicad (5.1.4)–1

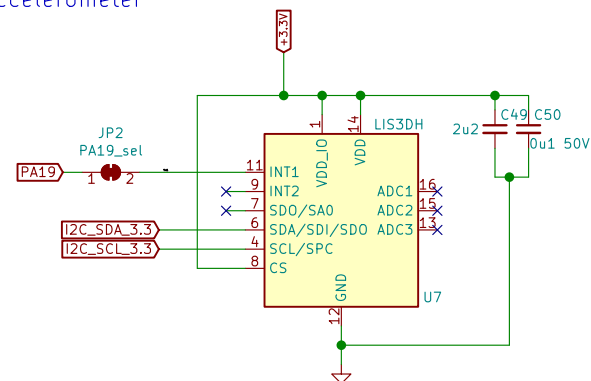
Rev: 1.1

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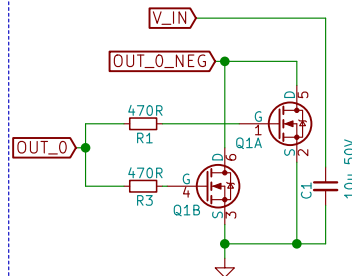
Driver 0



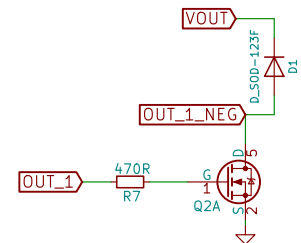
Accelerometer



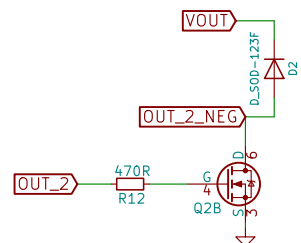
OUT 0 MOSFET CONTROL



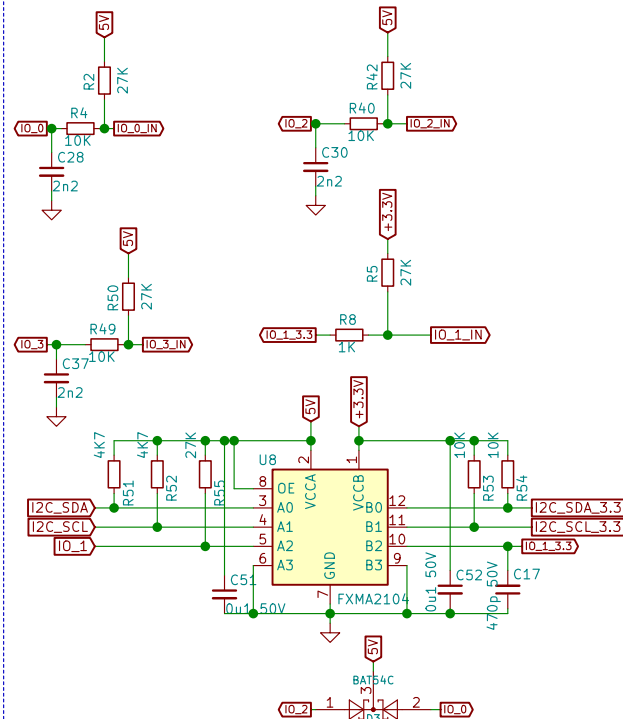
OUT 1



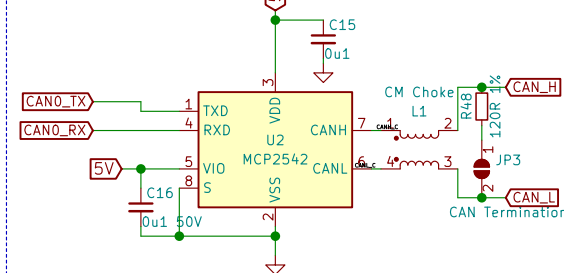
OUT 2



Input protection and level shifting



CAN Transceiver



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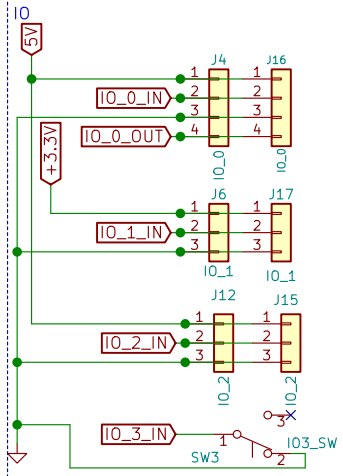
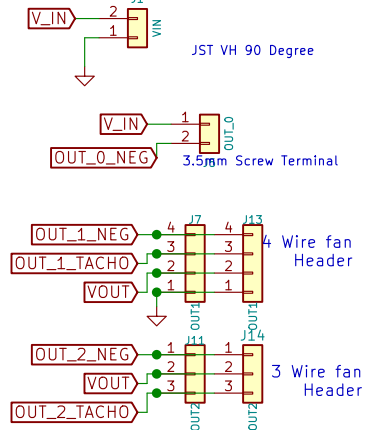
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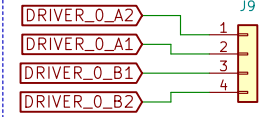
Rev: 1.1

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Power, MOSFET outputs

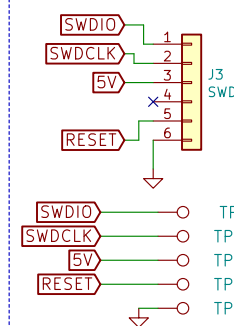


Motor Connector - JST PA

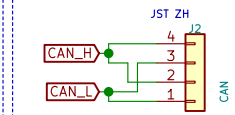


NOTE: Stepper motor pinout is different from other Duet 3s to simplify routing

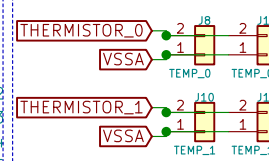
SWD Connector



CAN

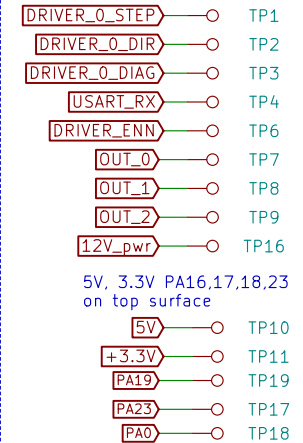


Temperature

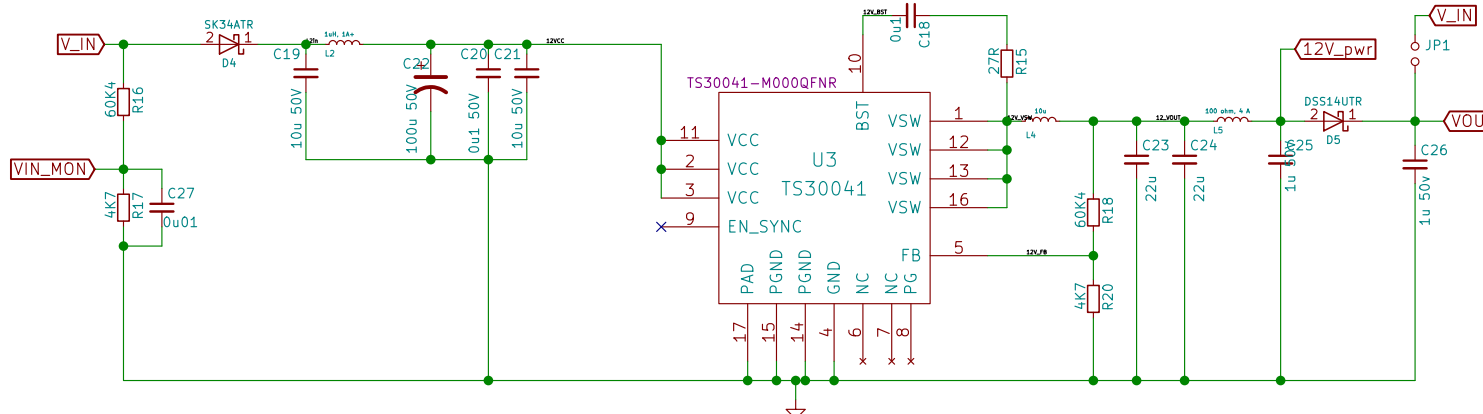


Test Points

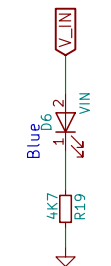
All test points are DNP



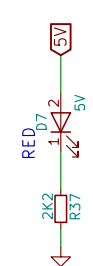
24-36V Input, 12V 2A Output PWM Buck Converter



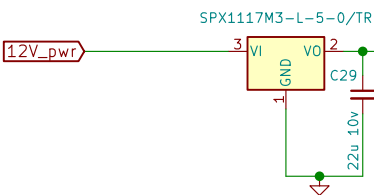
Power LED



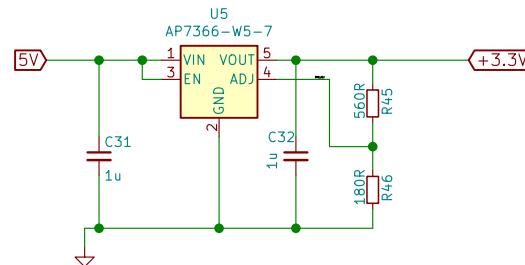
5V LED



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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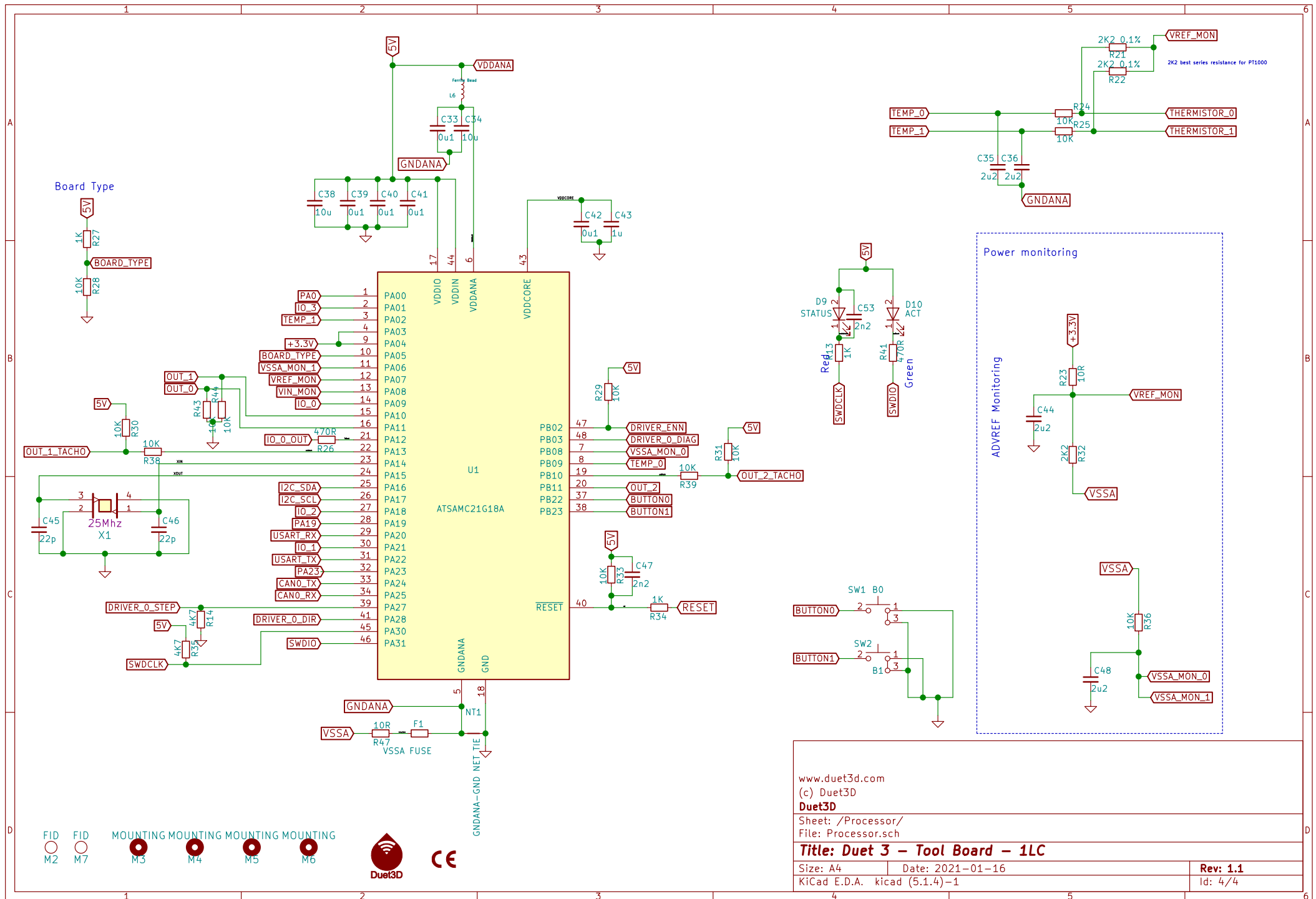
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