

Duet 3 Expansion 3HC v1.0

Sheet: Processor

Processor
&
Comms

File: Processor.sch

Sheet: Power

Power

File: Power.sch

Sheet: Stepper Driver & Endstops

Stepper Driver
&
IO

File: Stepper_Drv.sch

Sheet: MOSFET outputs

MOSFET outputs

File: Htr_Fan.sch

Sheet: Headers

Headers

File: Headers.sch

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Sheet: /

File: Duet3_Exp_3HC.sch

Title: Duet 3 – Expansion 3HC

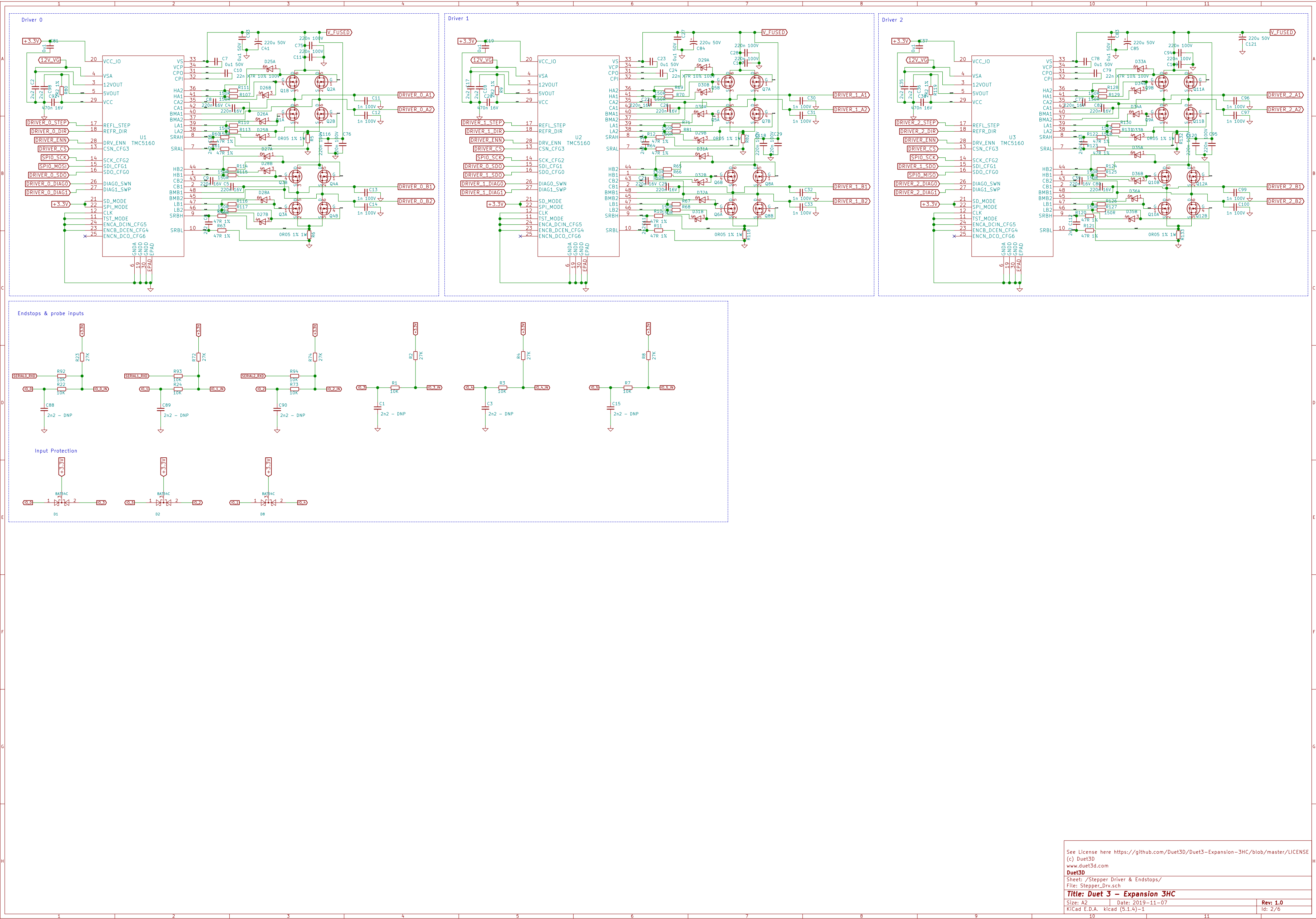
Size: A4

Date: 2019-11-07

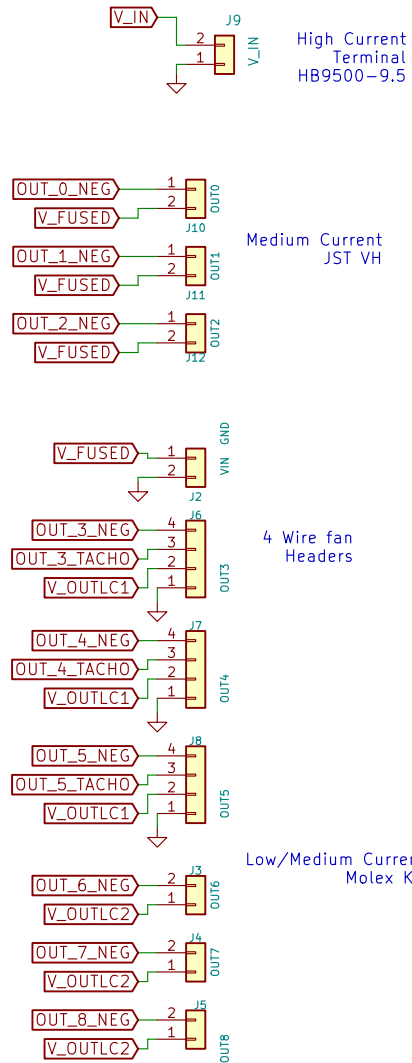
Rev: 1.0

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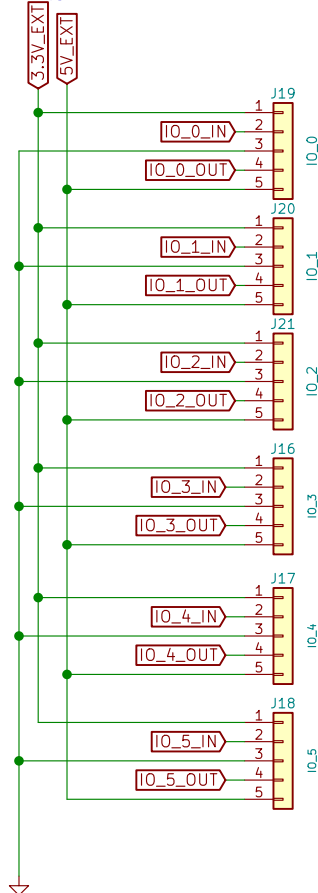
Id: 1/6



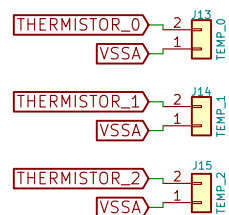
Power, MOSFET outputs



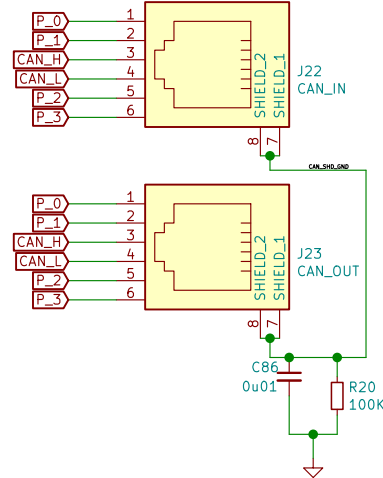
IO



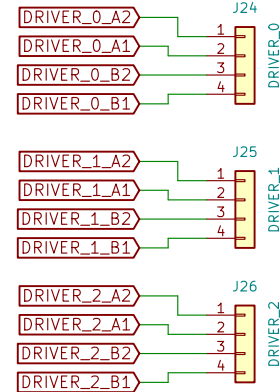
Temperature (Thermistor & PT1000)



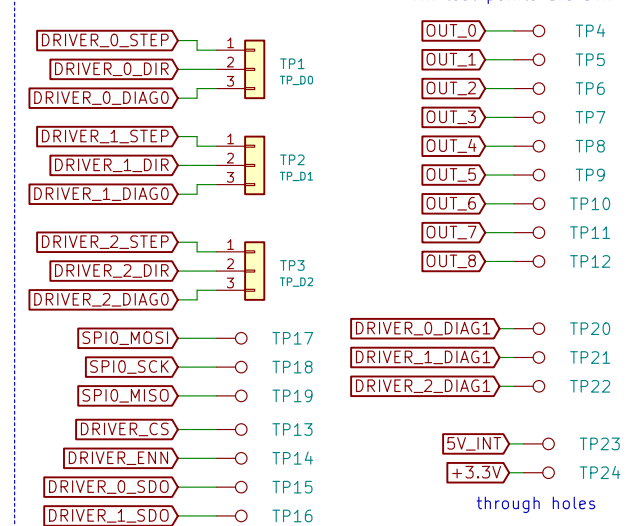
CAN RJ11 ports



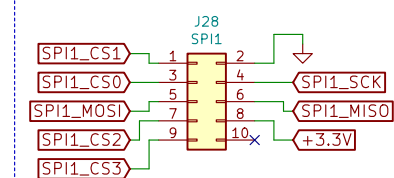
Motor Connectors



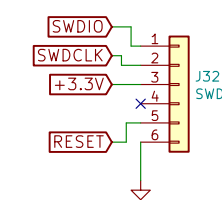
Test Points



Temp DB Header



SWD Connector



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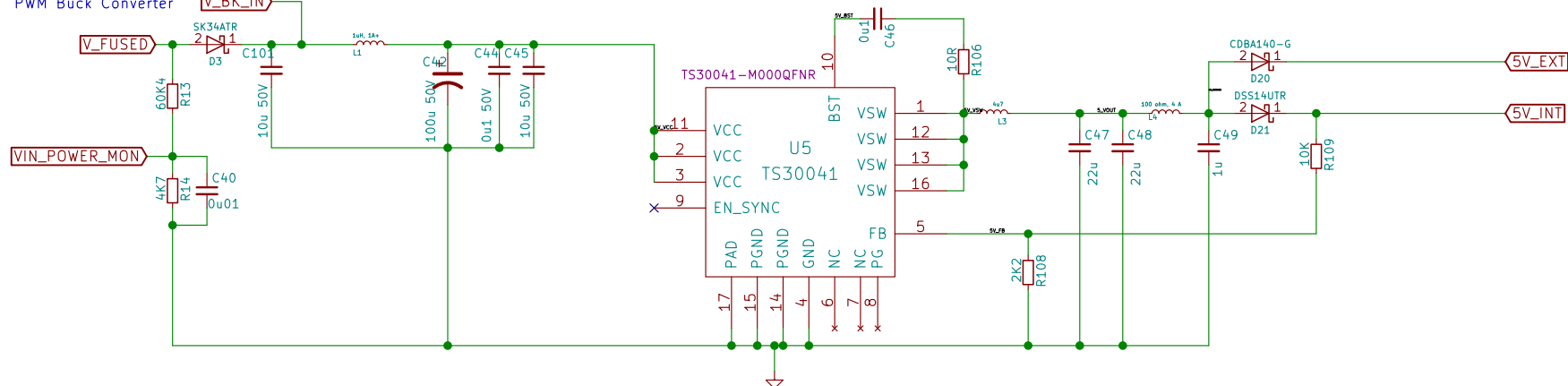
Sheet: /Headers/
File: Headers.sch

Title: Duet 3 - Expansion 3HC

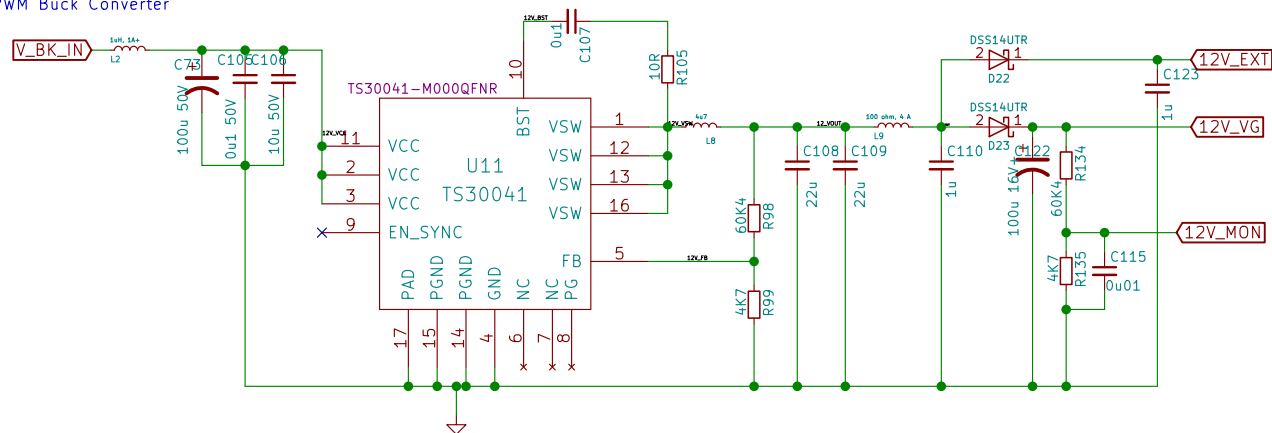
Size: A4 Date: 2019-11-07
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Rev: 1.0
Id: 3/6

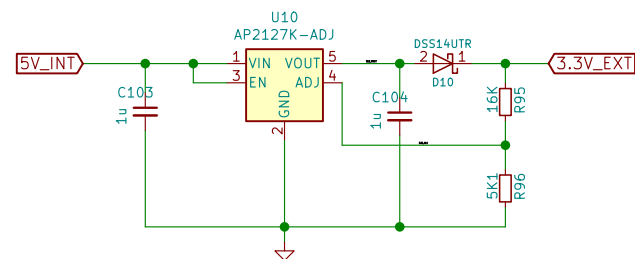
12-36V Input, 5V 1A Output
PWM Buck Converter



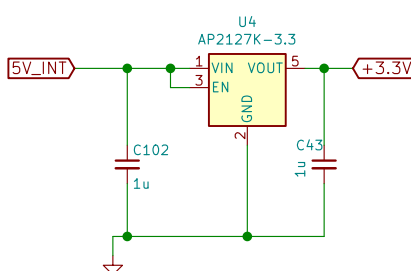
24-36V Input, 12V 1A Output
PWM Buck Converter



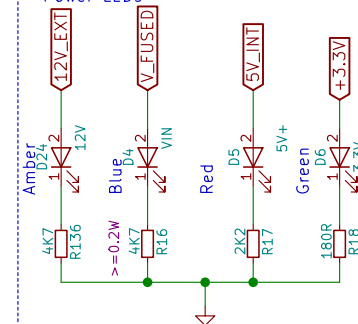
5V Input, 3.3V Output for external use only
Low Drop-Out Linear Regulator



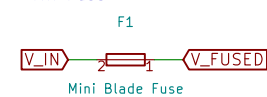
5V Input, 3.3V Output for internal use only
Low Drop-Out Linear Regulator



Power LEDs



VIN Fuse



Fuse Rating 10A

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Sheet: /Power/

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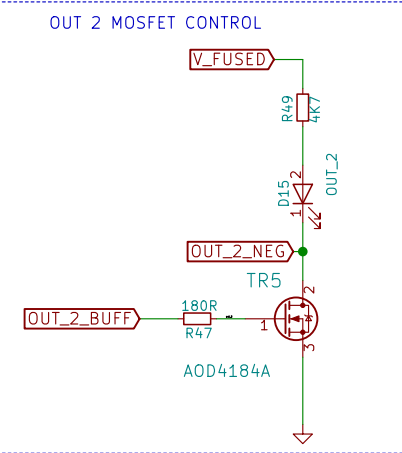
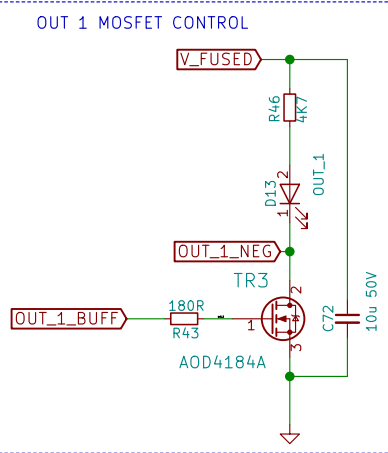
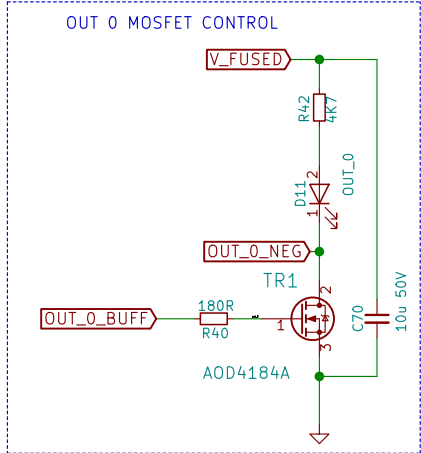
Title: Duet 3 - Expansion 3HC

Size: A4 Date: 2019-11-07

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Rev: 1.0

Id: 4/6



IPD036N04L provisionally replaced with AOD4184A (still DPAK)

