

# Duet 5+ Wifi

Sheet: Processor

Processor

File: Processor.sch  
Sheet: IO

IO

File: io.sch  
Sheet: Power

Power

File: Power.sch

Sheet: Stepper Driver & Endstops

Stepper Drivers

File: Stepper\_Drv.sch  
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+\_Wifi.sch

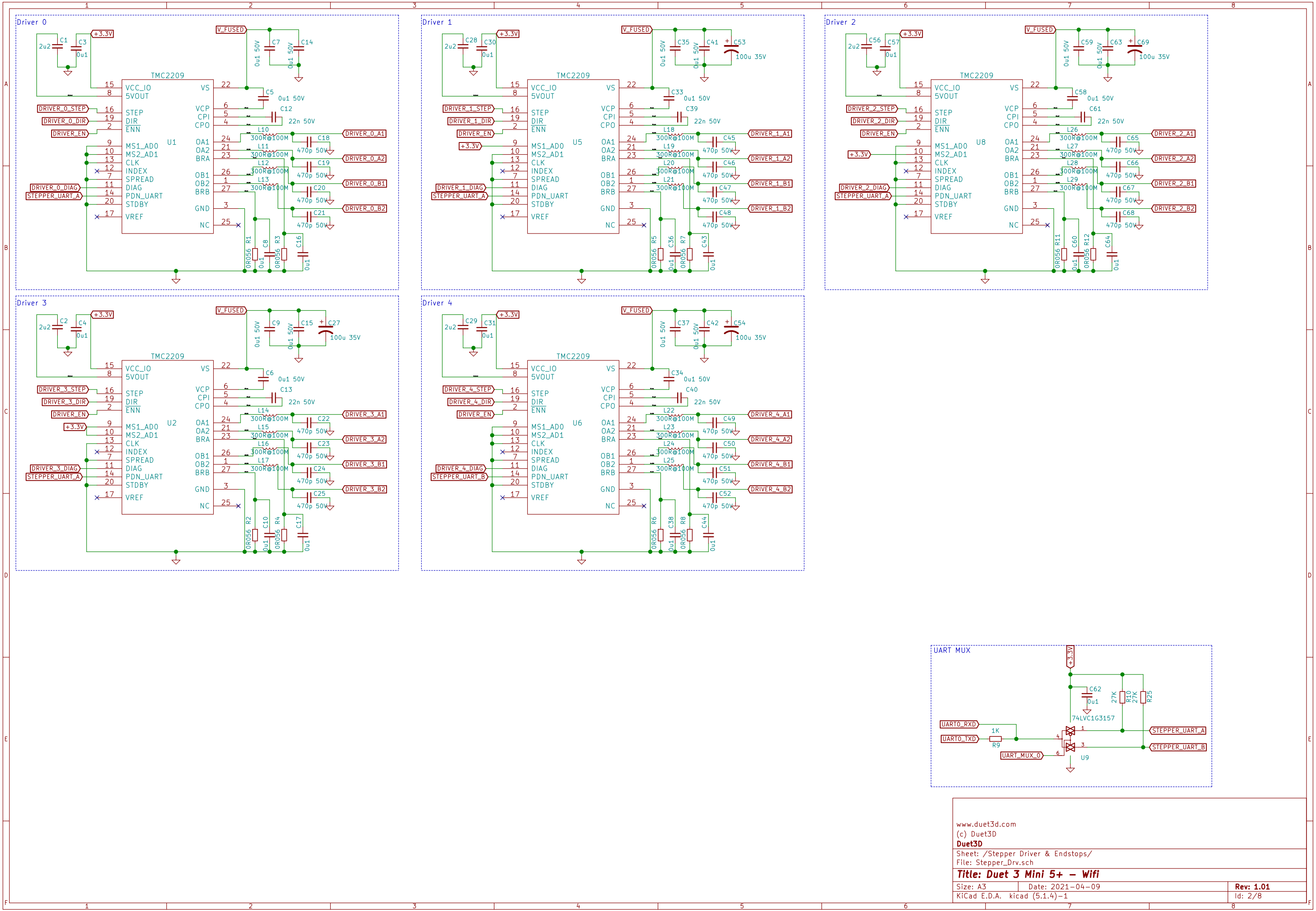
**Title: Duet 3 Mini 5+ – Wifi**

Size: A4 Date: 2021-04-09

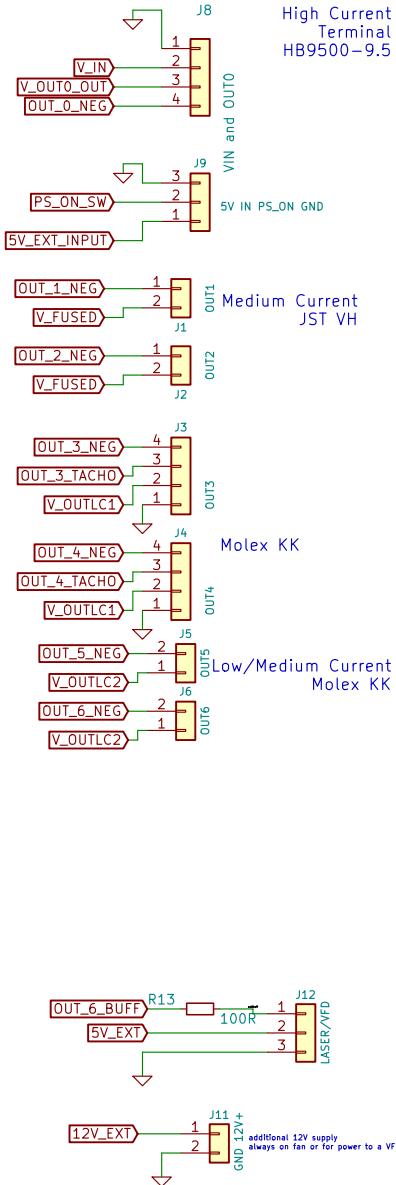
KiCad E.D.A. kicad (5.1.4)-1

**Rev: 1.01**

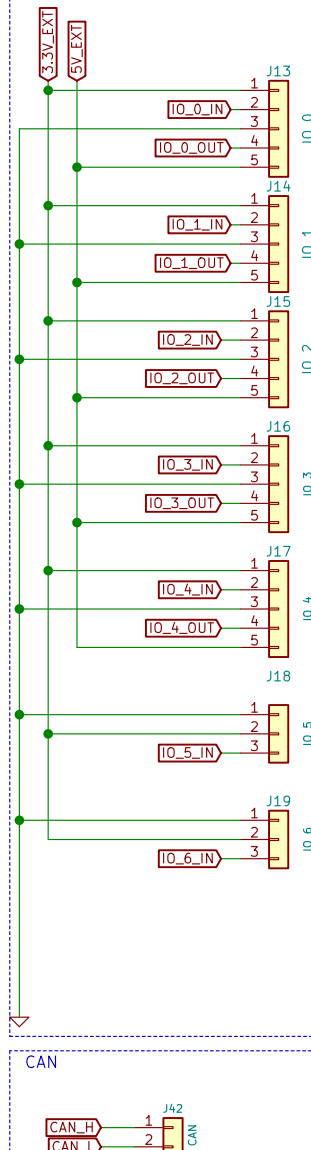
Id: 1/8



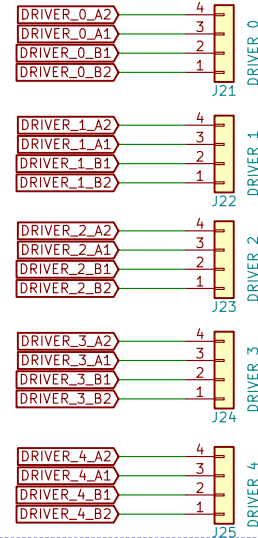
## Power, MOSFET outputs



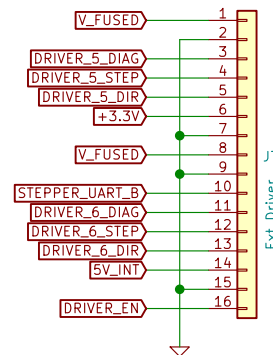
## I/O Headers (used for endstops, probes and filament monitors)



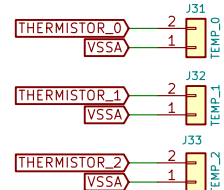
## Motor Connectors



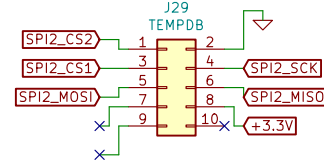
## External Drivers



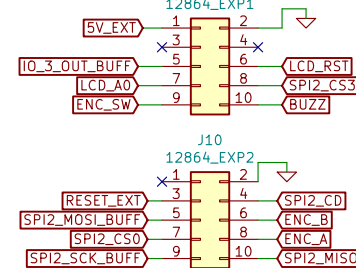
## Temperature (Thermistor & PT1000)



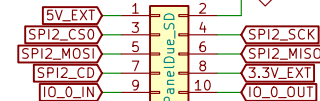
## Temp DB Header



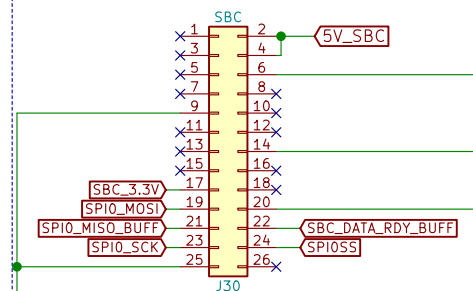
## 12864 display



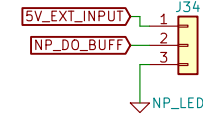
## PanelDue & External SD



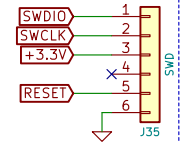
## SBC Connection



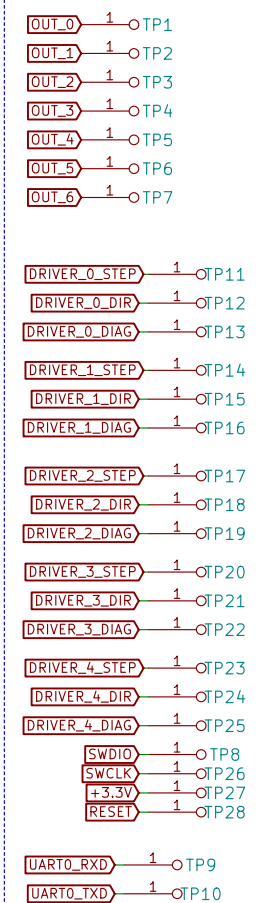
## NeoPixel LED connection



## SWD



## Test Points



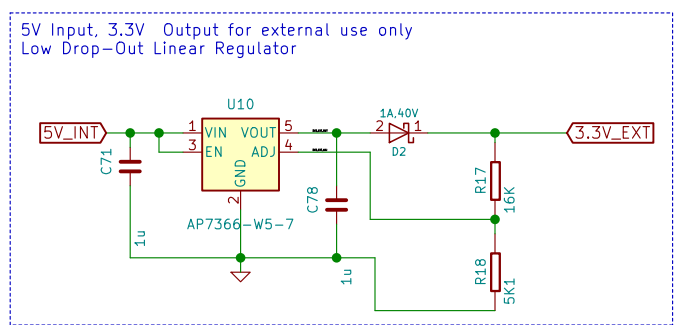
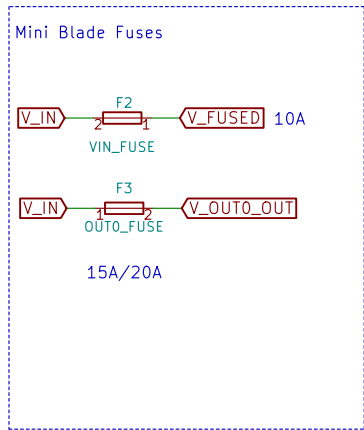
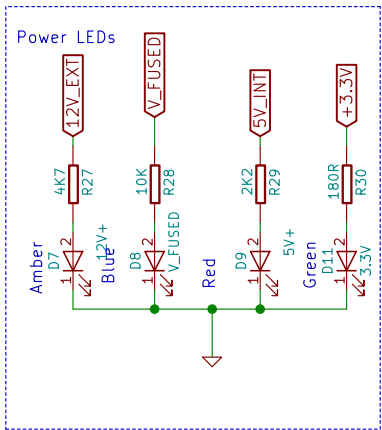
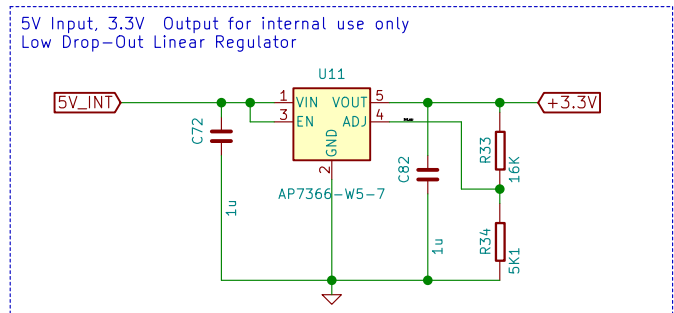
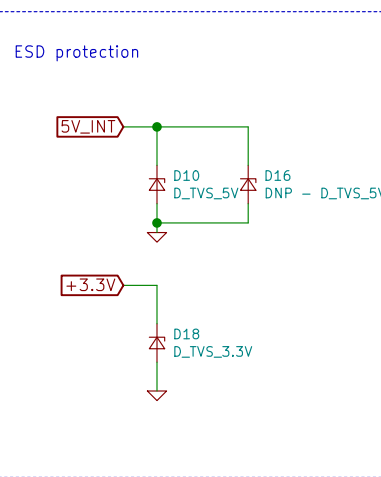
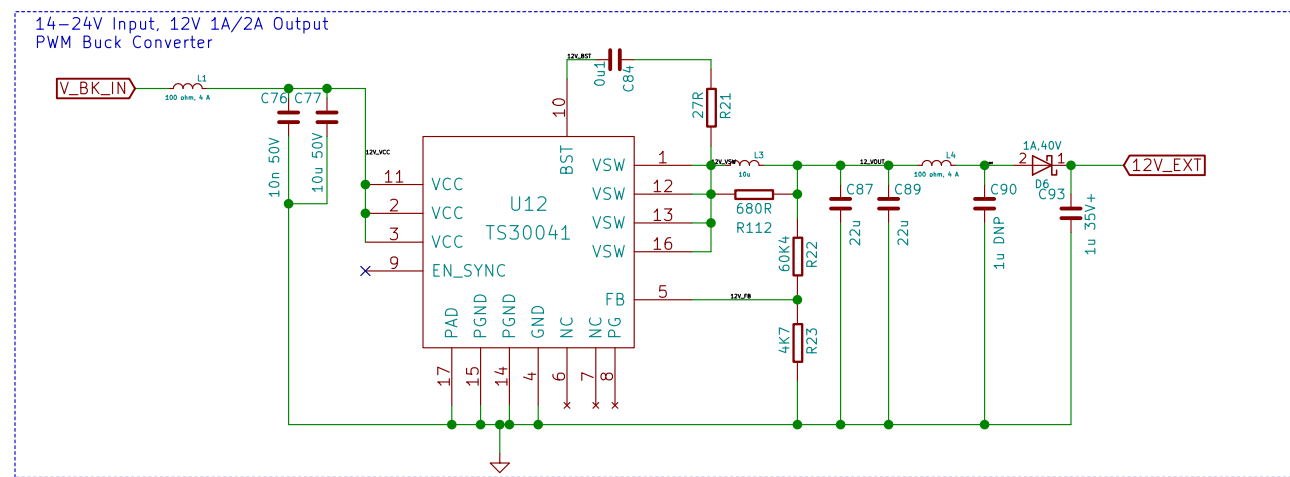
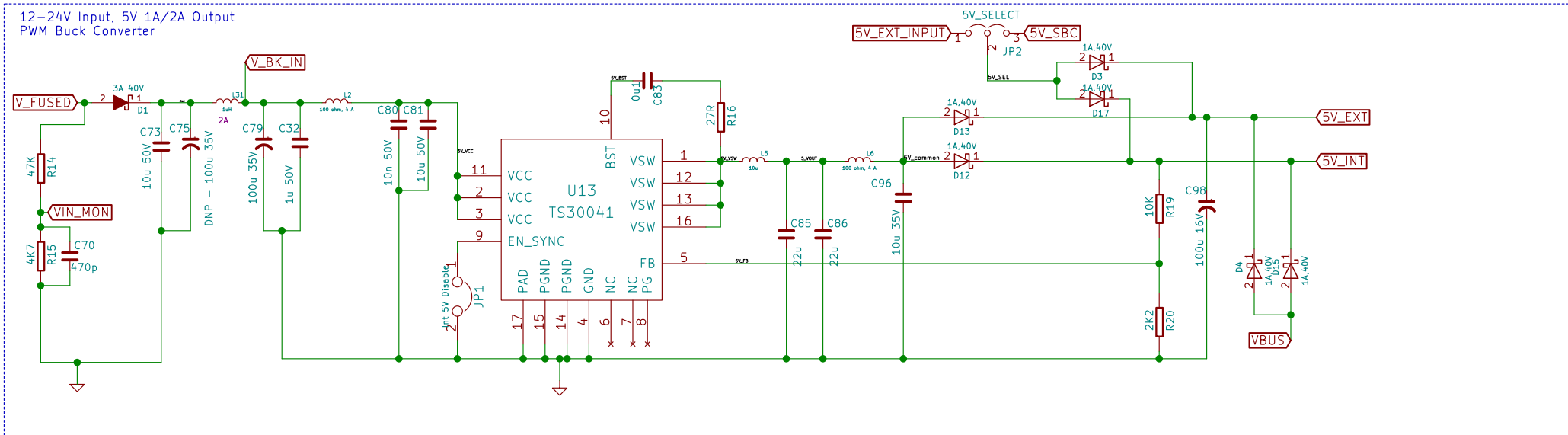
(c) Duet3D  
Duet3D

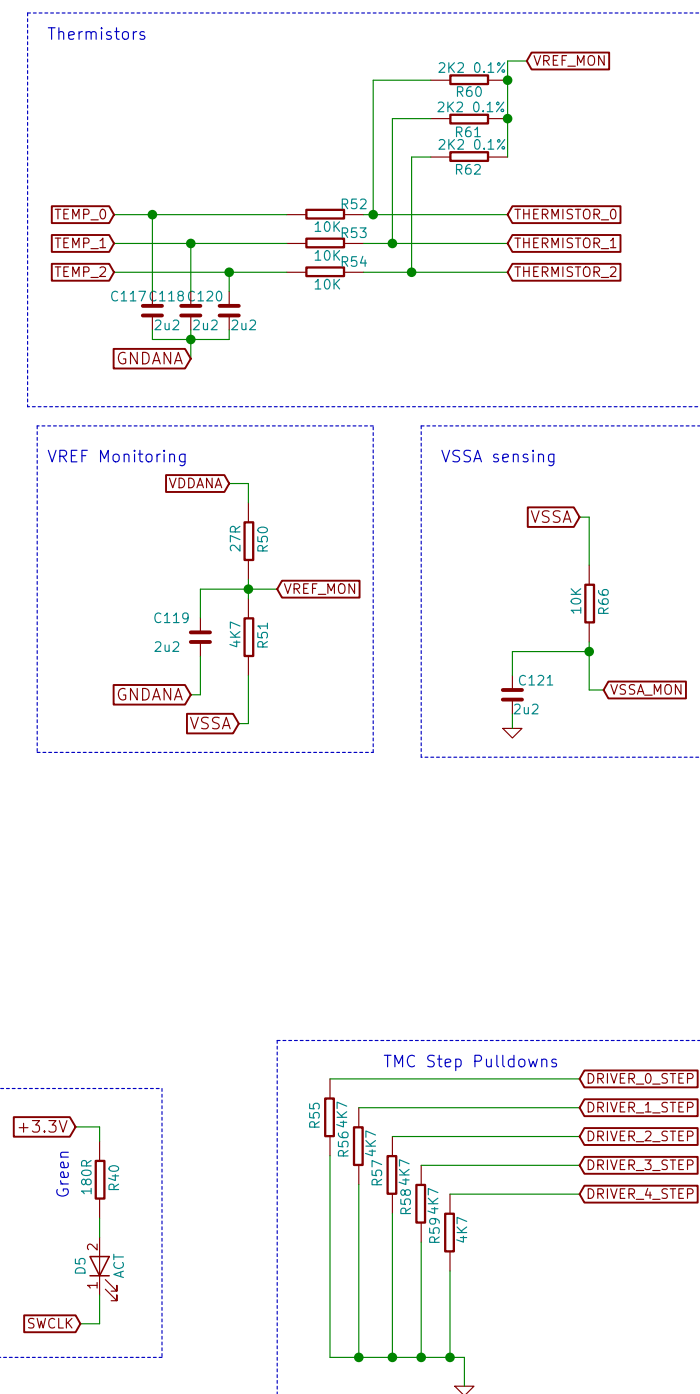
Sheet: /Headers/  
File: Headers.sch

**Title: Duet 3 Mini 5+ - Wifi**

Size: A4 Date: 2021-04-09  
KiCad E.D.A. kicad (5.1.4)-1

**Rev: 1.01**  
Id: 3/8



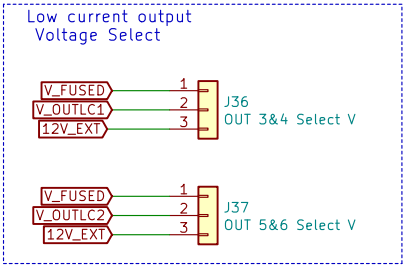
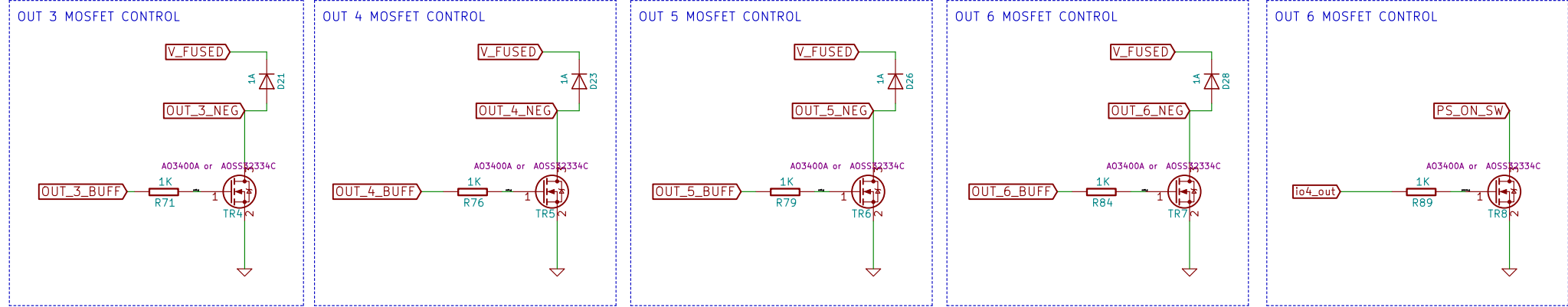
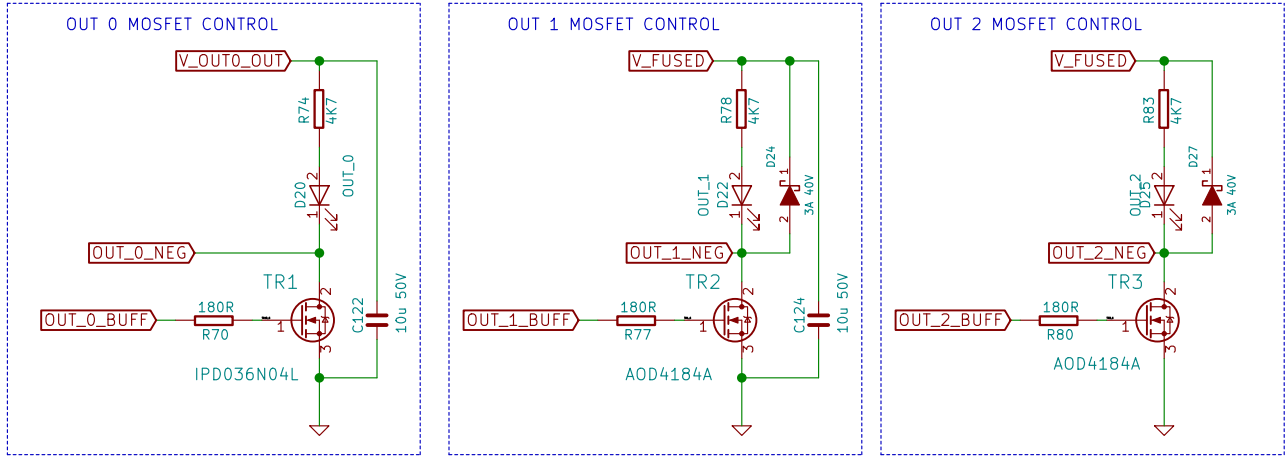


FID FID FID FID MOUNTING MOUNTING MOUNTING MOUNTING MOUNTING MOUNTING

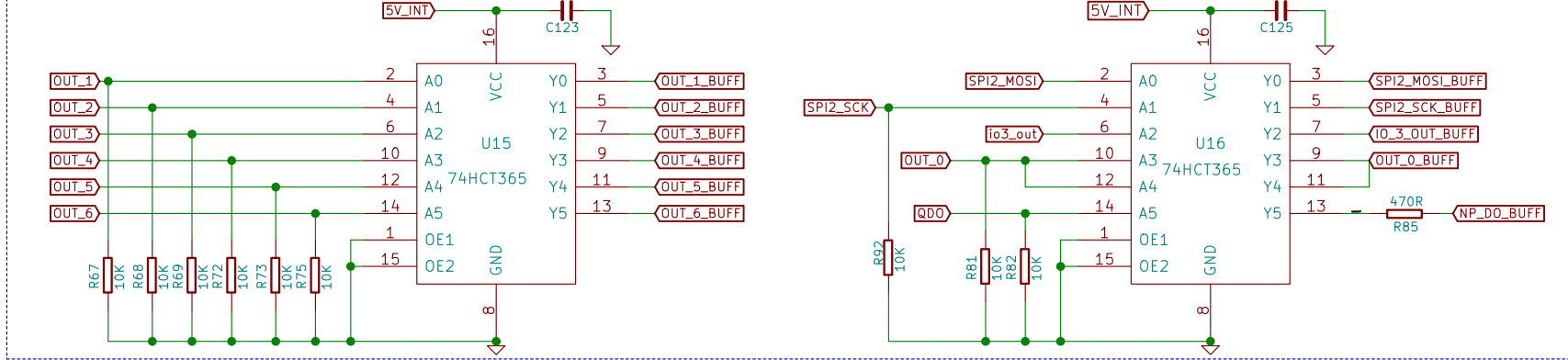
M1 M2 M3 M8 M4 M5 M6 M7

   KICAD

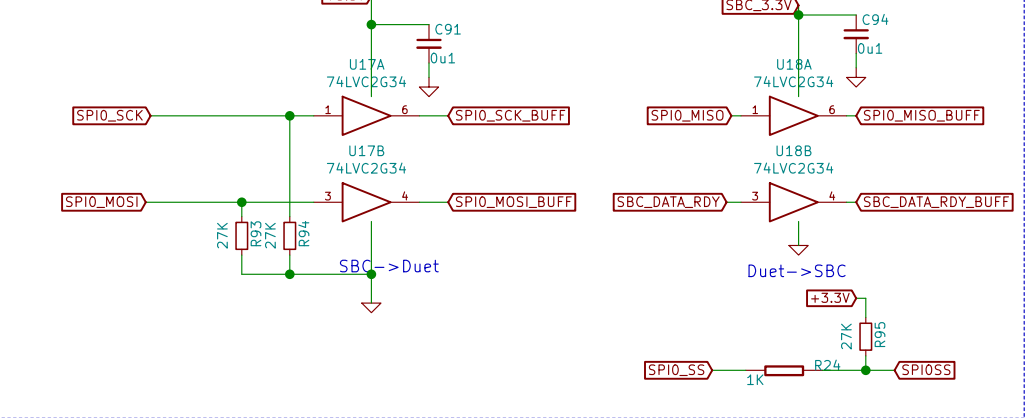
OUT0 – OUT3 – High current MOSFETs

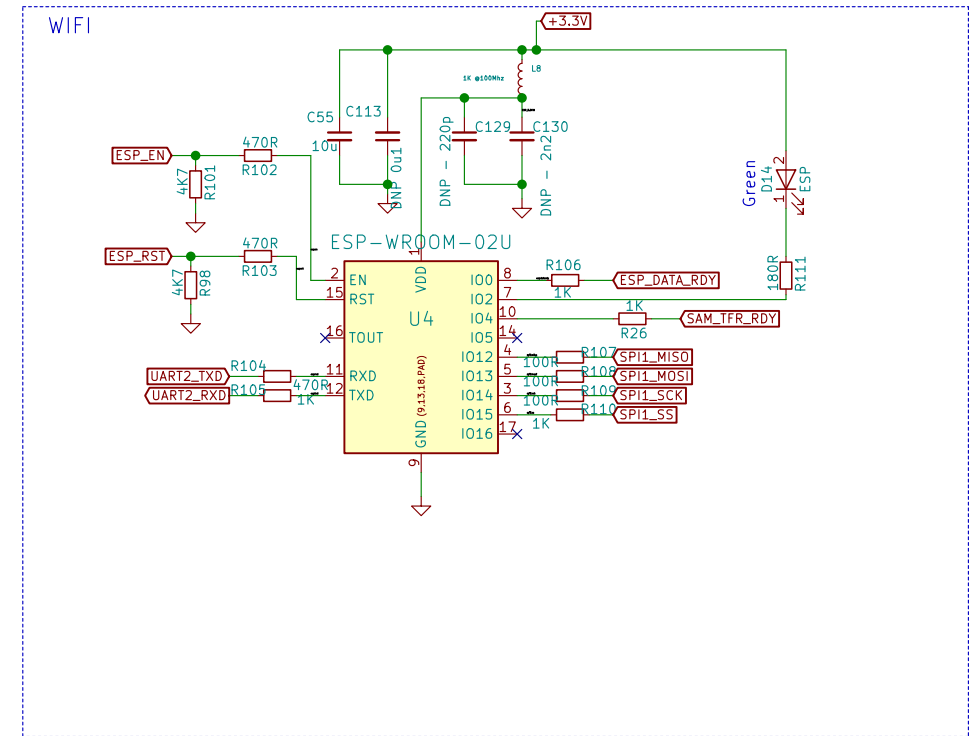
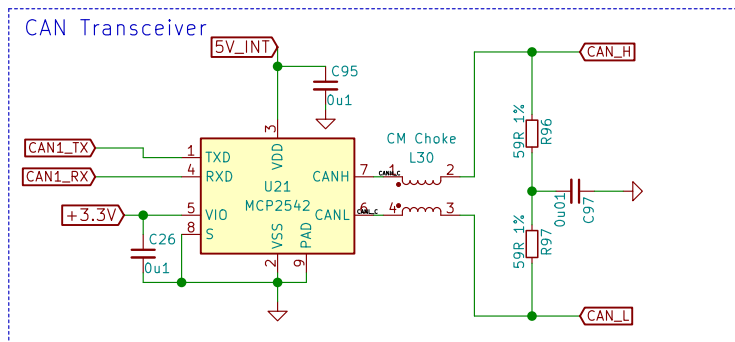
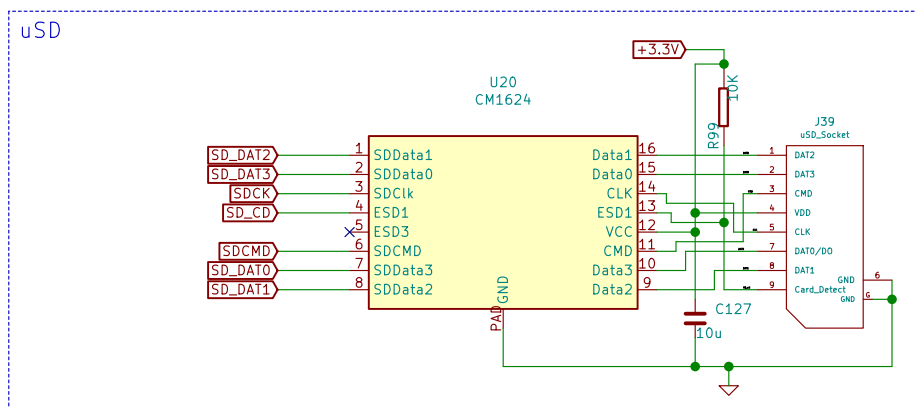
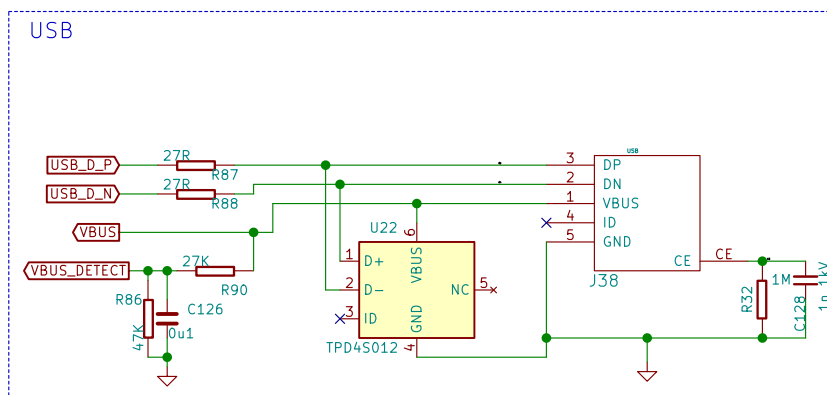


FET Drives

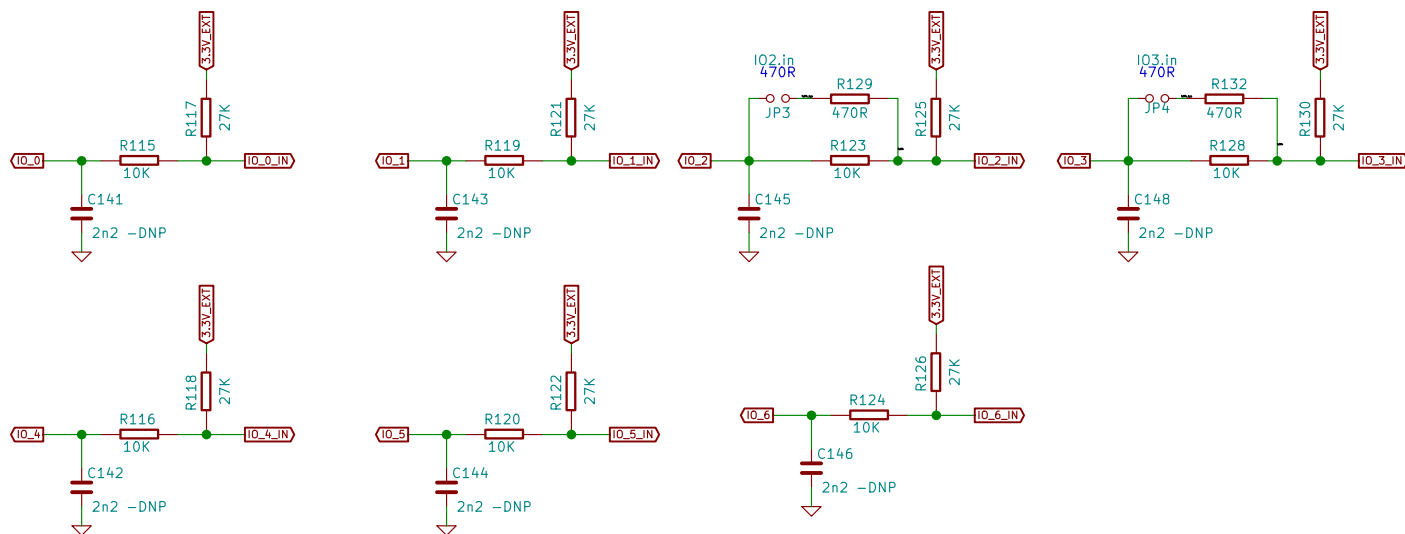


RPI Comms Buffers

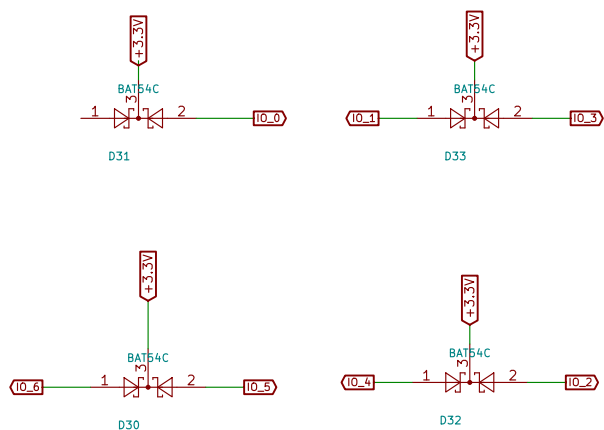




IO inputs (Used for endstops, probes, filament monitors and other low speed IO)



Input Protection



(c) Duet3D  
Duet3D

Sheet: /IO/  
File: io.sch

**Title: Duet 3 Mini 5+ – Wifi**

Size: A4 Date: 2021-04-09

KiCad E.D.A. kicad (5.1.4)-1

**Rev: 1.01**

Id: 8/8