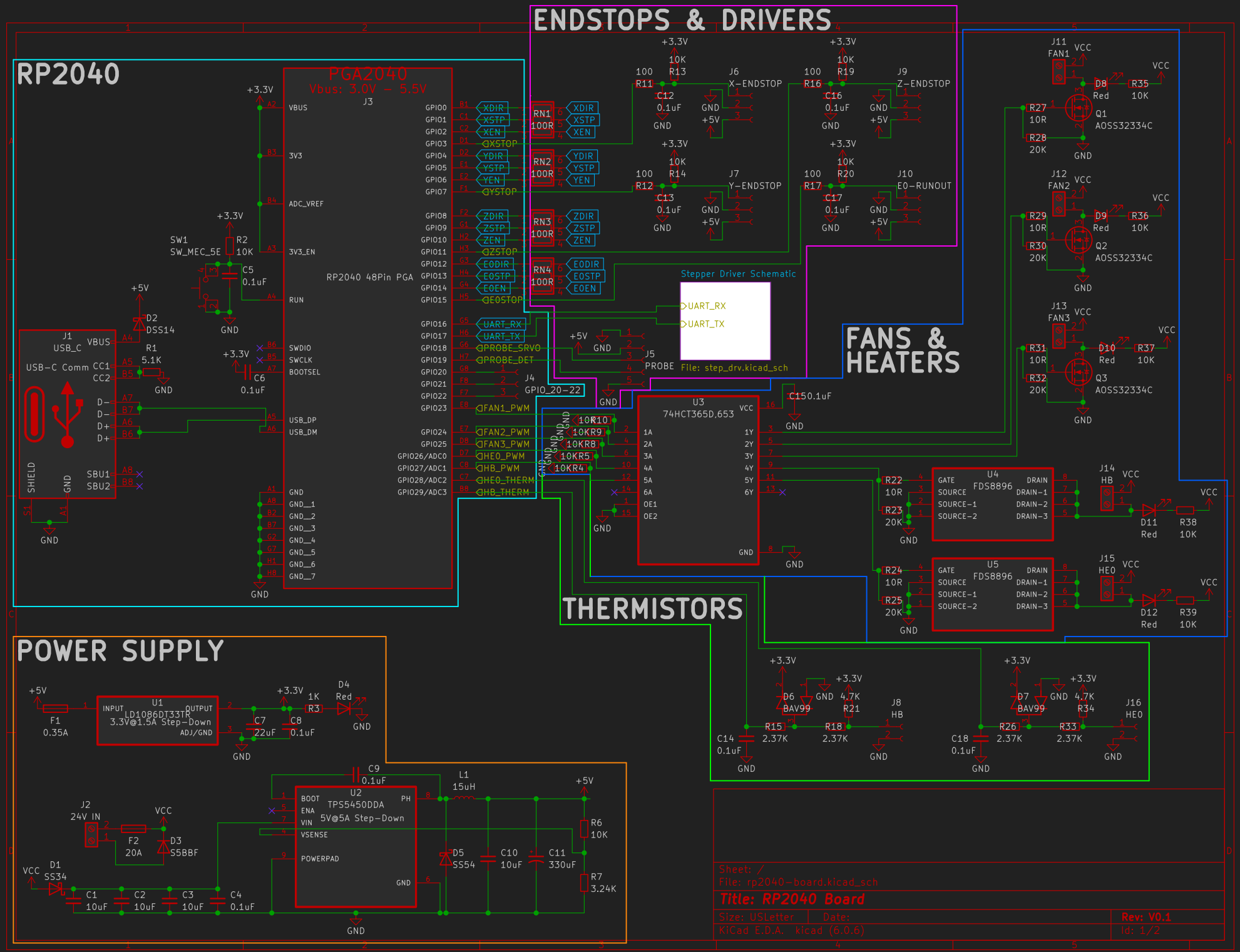
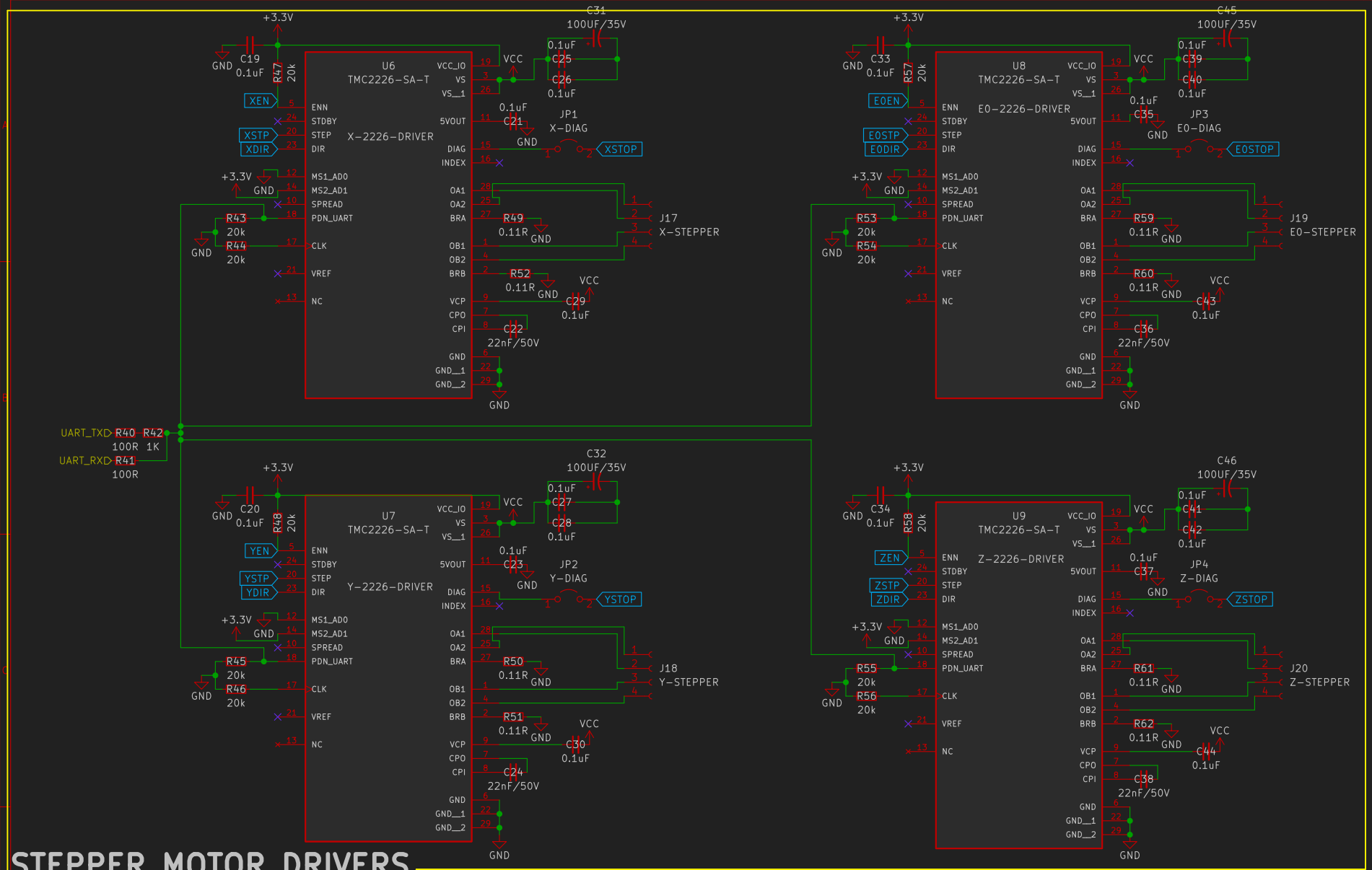

RP2040
PGA2040
Vbus: 3.0V – 5.5V
J3
RP2040 48Pin PGA
ENDSTOPS & DRIVERS
X-ENDSTOP
Y-ENDSTOP
Z-ENDSTOP
E0-RUNOUT
Stepper Driver Schematic
UART_RX
UART_TX
File: step_drv.kicad_sch
FANS & HEATERS
FAN1
FAN2
FAN3
Q1 AOSS32334C
Q2 AOSS32334C
Q3 AOSS32334C
THERMISTORS
U3 74HCT365D,653
U4 FDS8896
U5 FDS8896
J1 USB_C
USB-C Comm
SW1 SW_MEC_5E
J4 GPIO_20-22
J5 PROBE
POWER SUPPLY
U1 LD1086DT33TR 3.3V@1.5A Step-Down
U2 TPS5450DDA 5V@5A Step-Down
J2 24V IN
Sheet: /
File: rp2040-board.kicad_sch
Title: RP2040 Board
Size: USLetter
Date:
Rev: V0.1
KiCad E.D.A. kicad (6.0.6)
Id: 1/2



Sheet: /Stepper Driver Schematic/
File: step_drv.kicad_sch

Title: RP2040 Board

Size: USLetter	Date:	Rev: V0.1
KiCad E.D.A. kicad (6.0.6)		Id: 2/2