

RP2040

PGA2040

Vbus: 3.0V - 5.5V

J3

+3.3V

VBUS

3V3

ADC_VREF

3V3_EN

RUN

SWDIO

SWCLK

BOOTSEL

USB_DP

USB_DM

GND

GND_1

GND_2

GND_3

GND_4

GND_5

GND_6

GND_7

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

GND

ENDSTOPS & DRIVERS

Stepper Driver Schematic

UART_RX

UART_TX

File: step_drv.kicad_sch

FANS & HEATERS

THERMISTORS

POWER SUPPLY

Sheet: /
File: rp2040-board.kicad_sch

Title: RP2040 Board

Size: USLetter Date:
KiCad E.D.A. kicad (6.0.6)

Rev: V0.1
Id: 1/2

UART_TXD: R40 R42
100R 1K
UART_RXD: R41
100R

STEPPER MOTOR DRIVERS

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

Title: RP2040 Board

Size: USLetter | Date:
KiCad E.D.A. kicad (6.0.6)

Rev: V0.1
Id: 2/2