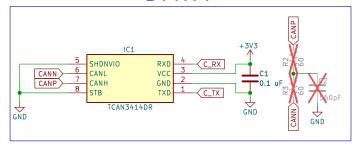
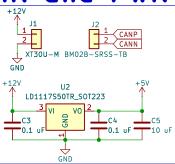
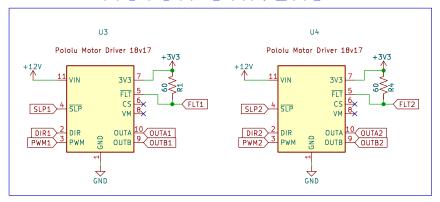
DATA



IN and PWR



MOTOR DRIVERS



U1 Teensy 4.1 3.30 VUSB VUSB VBAT Q VBAT LED PROGRAM GND ON/OFF PWM1 DIR1 SLP1 RX2 28 RX7 OUT1D PWM2 29 DIR2 TX7 OUT1C OUT1B TX8 FLT2 CRX3 C_RX CS3 CTX3 CS2 10 × CS1 EN_OUTA1 3 LRCLK2 EN_OUTB1 4 BCLK2 MISO 11 × EN_OUTA2 MOSI EN_OUTB2 13 A17 A16 A15 GND GNDB USB_GNDUSB_GND2

MOTORS

OUTA1

EN_OUTB1 > OUTA2

OUTB2

EN_OUTA2

EN_OUTB2

GND

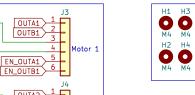
+3V3

GND

+3V3







Motor 2



Gold Rush Robotics

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File: mechanumDriveTrain.kicad sch

Title: Mechanum Drive Train

Size: A4 Date: 2025-01-14 Rev: 0.1 KiCad E.D.A. 8.0.6 ld: 1/1