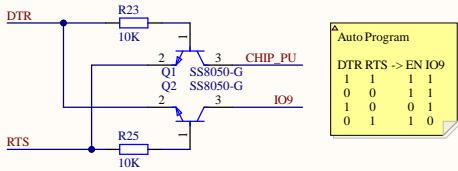


SERIAL SIGNAL HANDLING



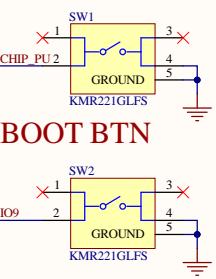
GPIO PULL-UP

- According to Chip Boot Mode Control
 - GPIO2 PULL-UP
 - GPIO8 PULL-UP

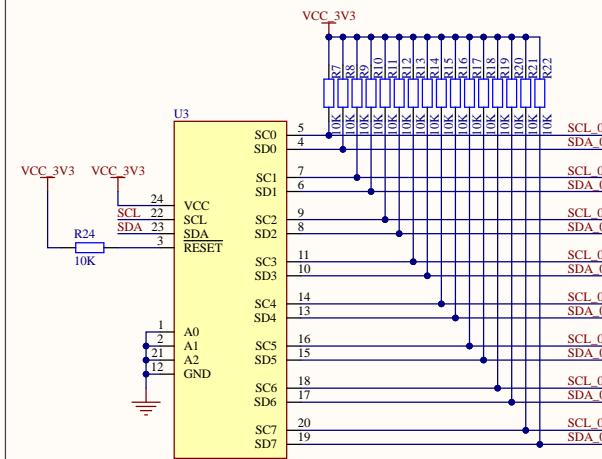
For more information about the study, please contact Dr. Michael J. Hwang at (319) 356-4530 or via email at mhwang@uiowa.edu.

I²C - GPIO7 SDA

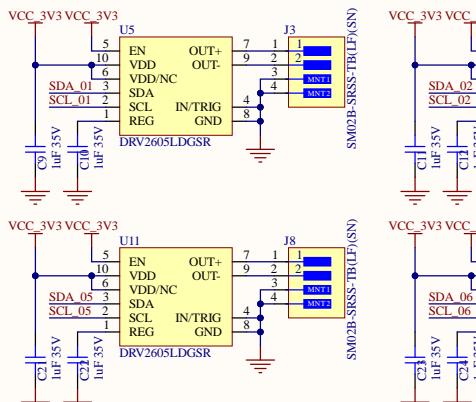
RESET BTN



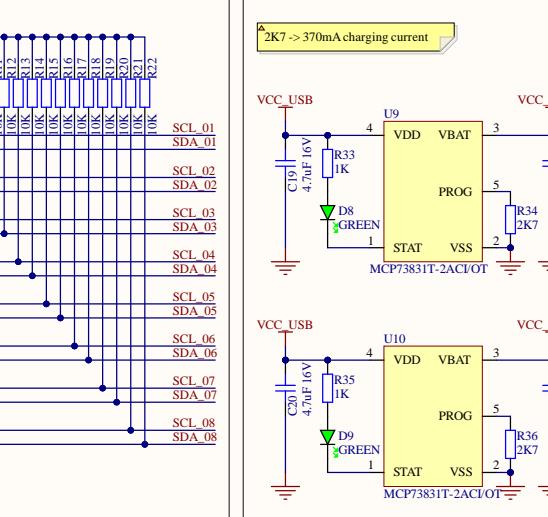
BOOT BTN



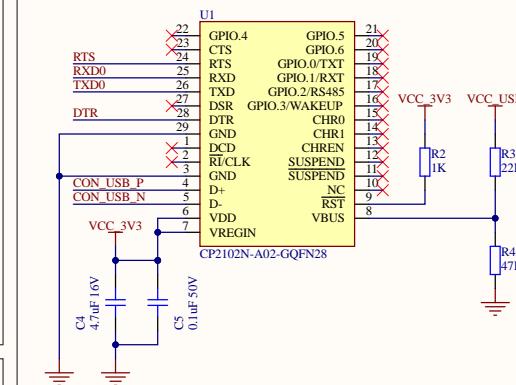
I2C MOTOR DRIVERS



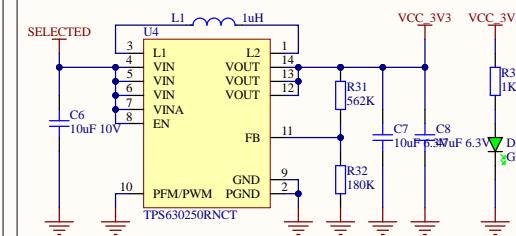
I2C MULTIPLEXER | LI-ION CHARGER



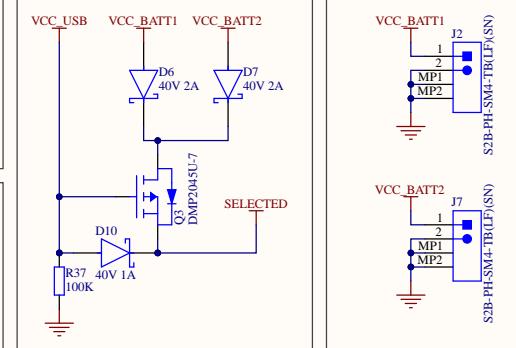
USB TO UART



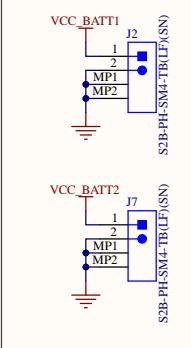
5V TO 3V3 CONVERTER



USB/BATT SWITCH

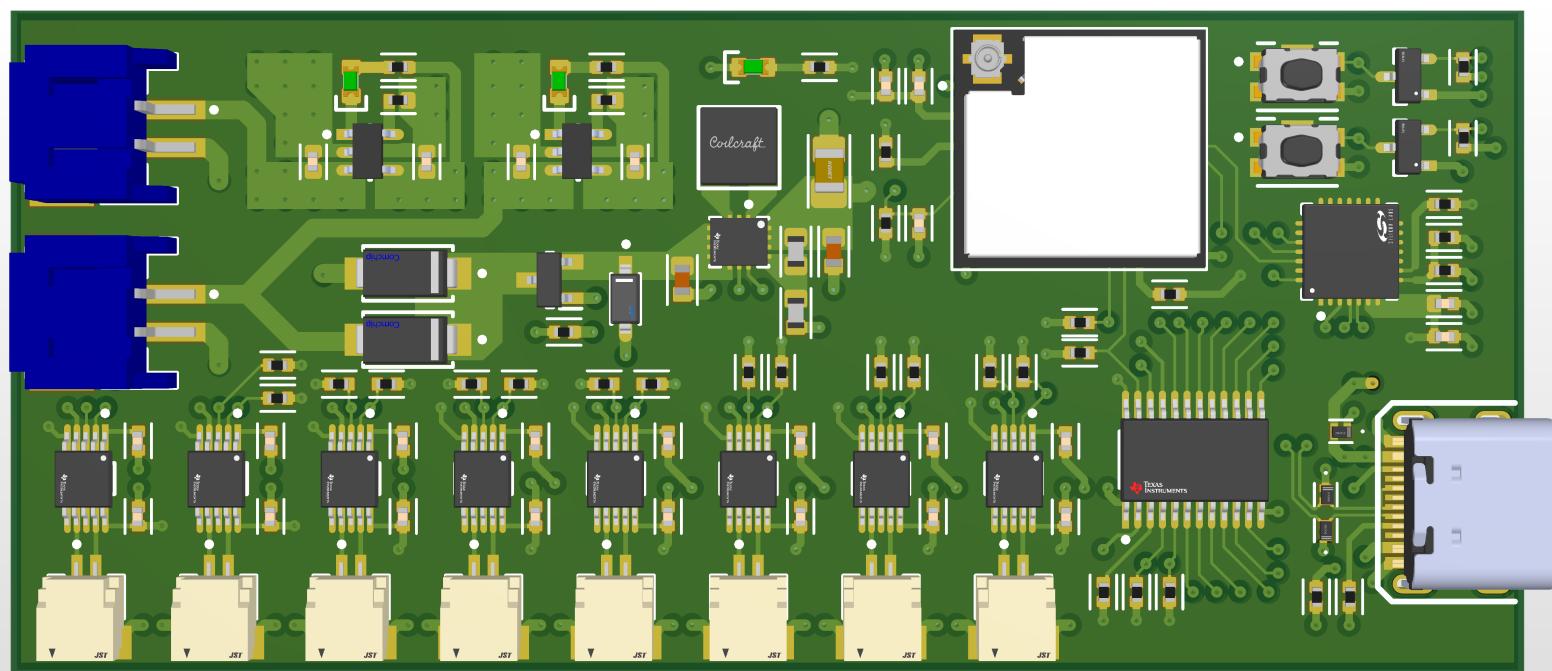


BATT PORTS



Title ESP32-C3 Haptic Motor

Size	Number	Revision
A3	1 / 1	V2
Date:	4/27/2025	Sheet of
File:	C:\Users\JFSP32-C3.V1.SchDoc	Drawn By: Dwayne Herzberg



ESP32-C3 Haptic Motor Controller

Designed by Dwayne Herzberg

V1.0 - Jan 2025

Licensed under CERN-OHL-P v2

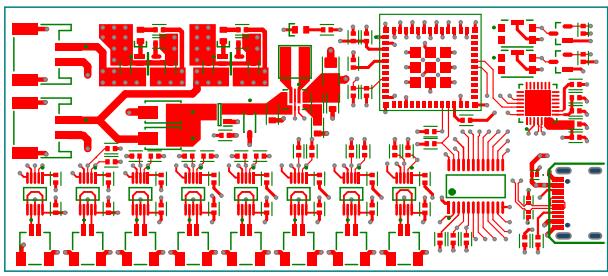
USB-C
UART

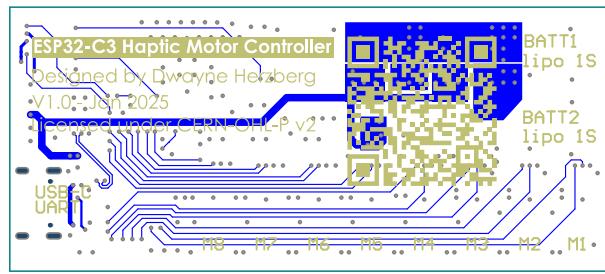
M8 M7 M6 M5 M4 M3 M2 M1

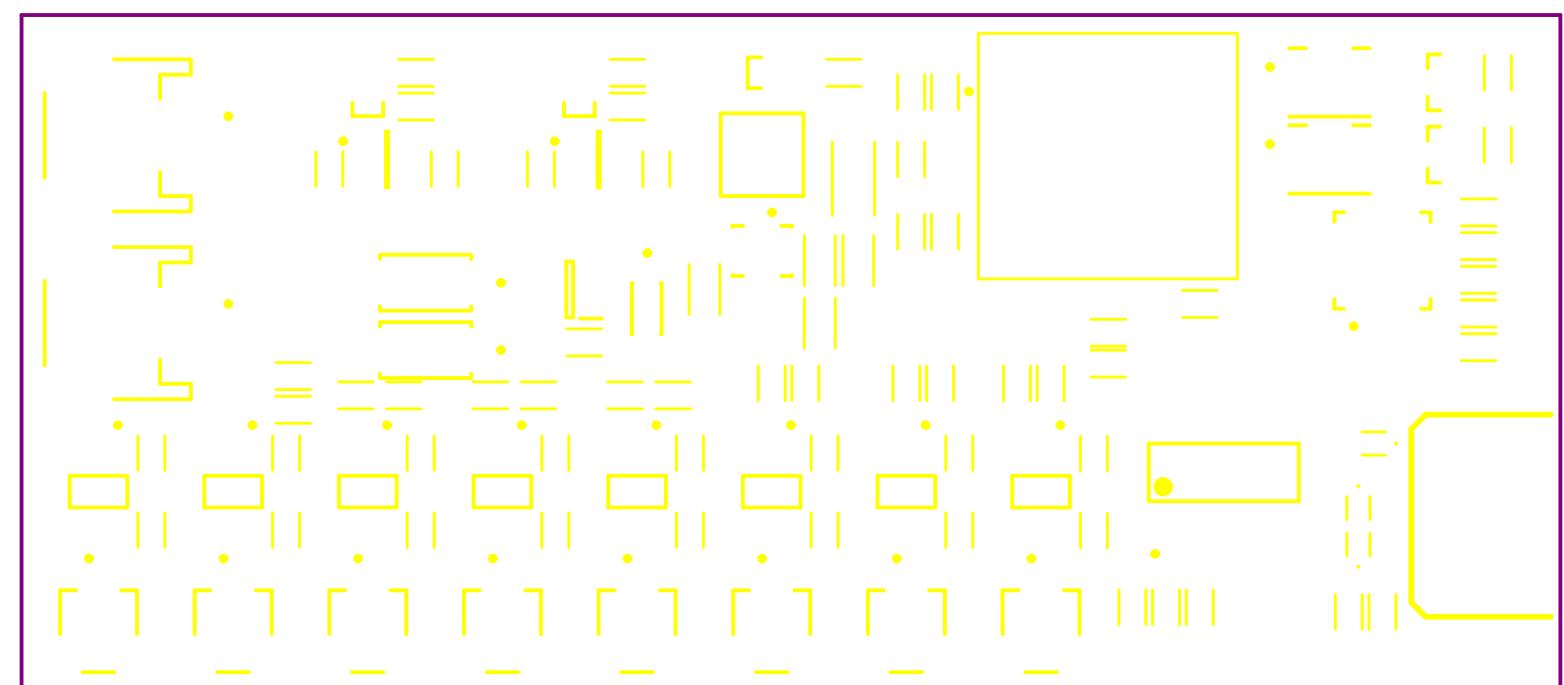


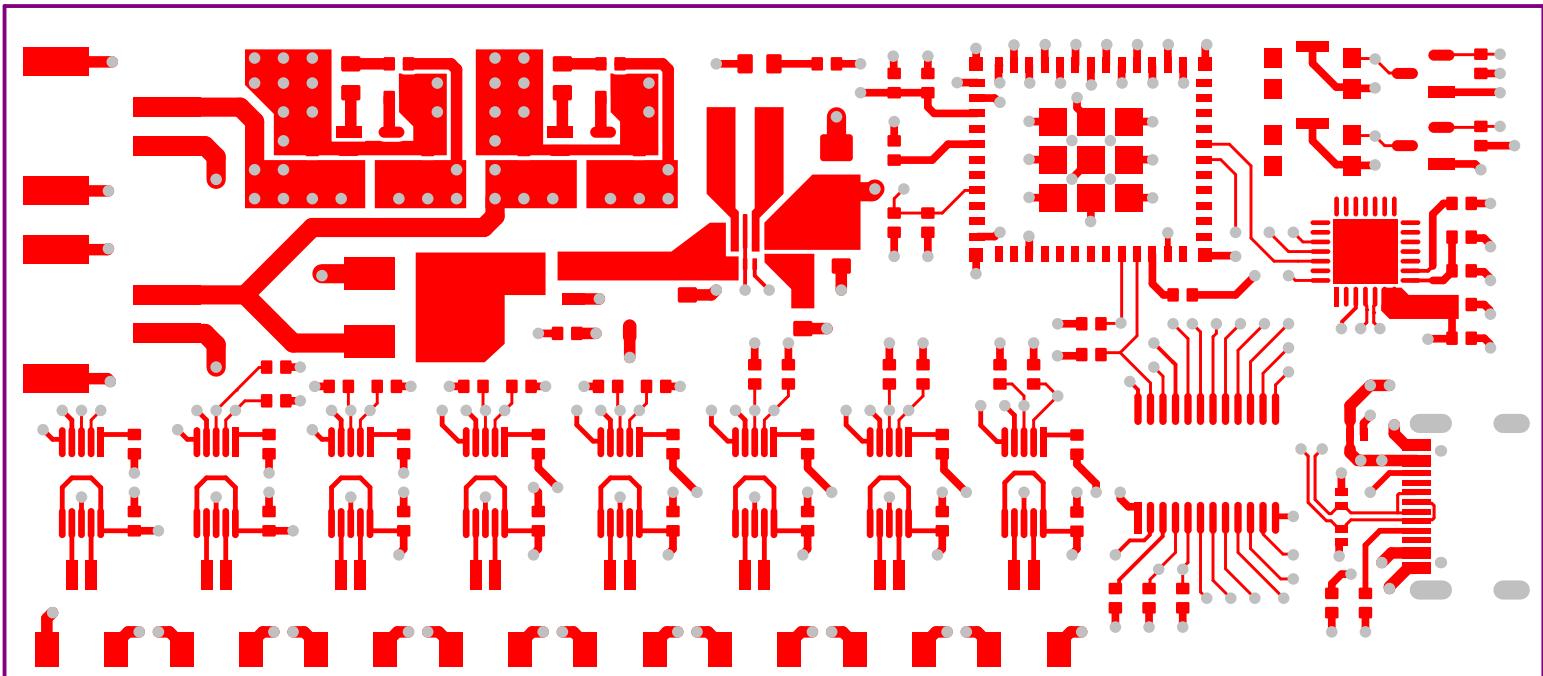
BATT1
lipo 1S

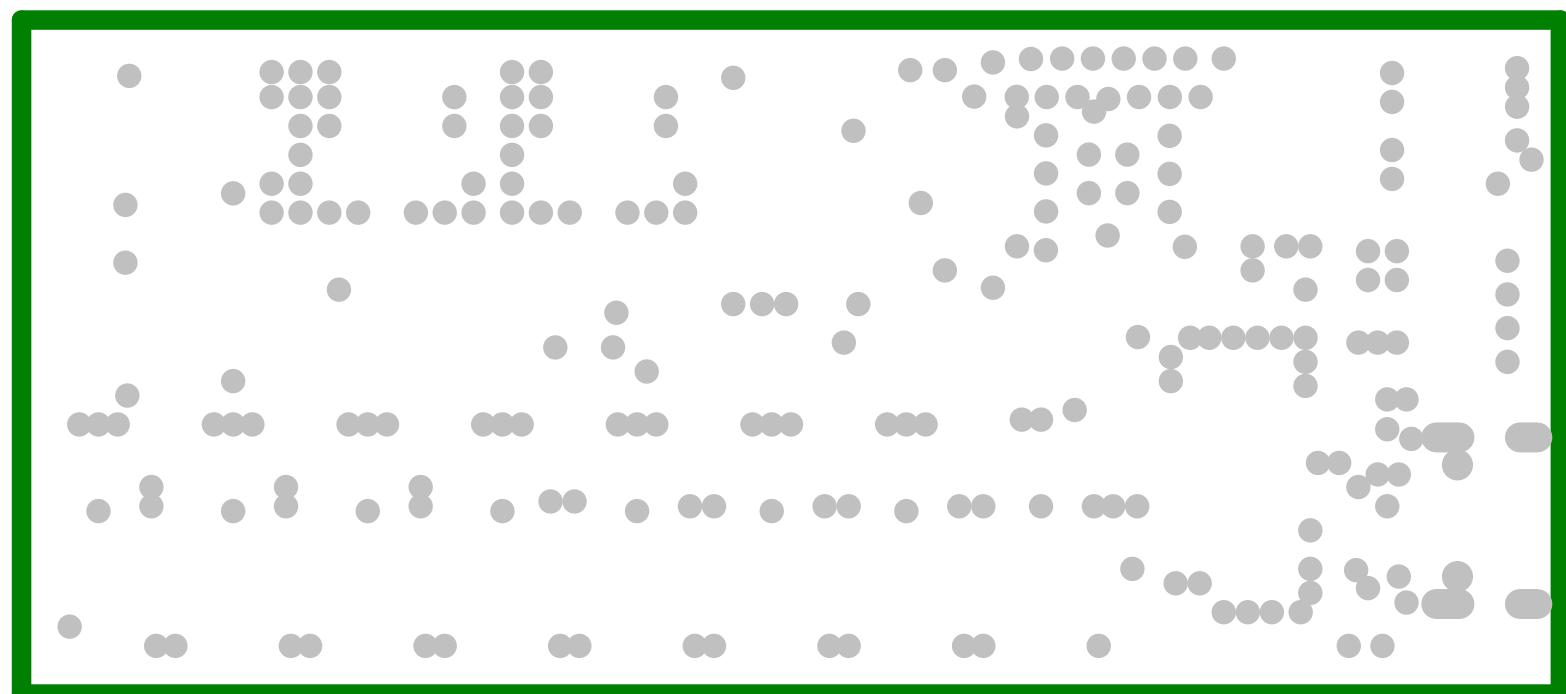
BATT2
lipo 1S



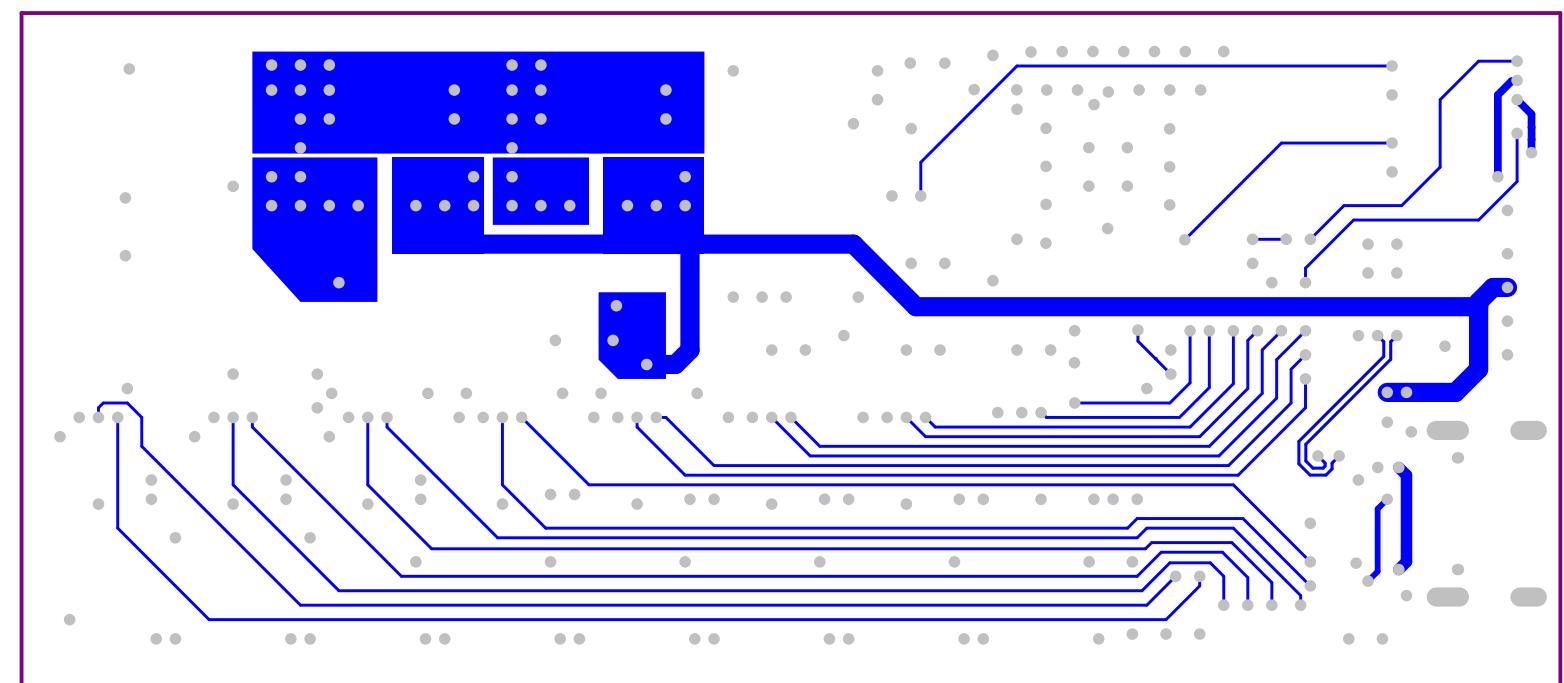






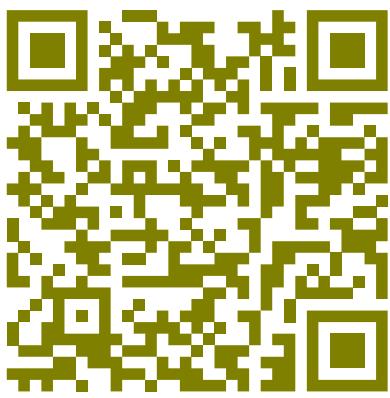






USB-C
UART

BATT1
Iibo 1S
BATT2
Iibo 1S



ESP32-C3 Haptic Motor Controller
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