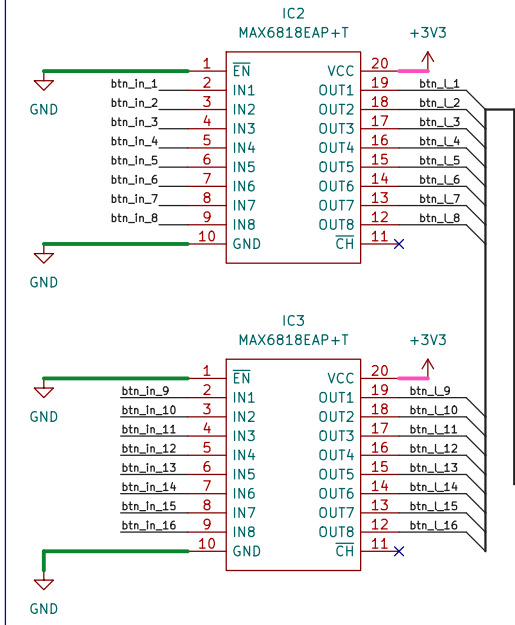
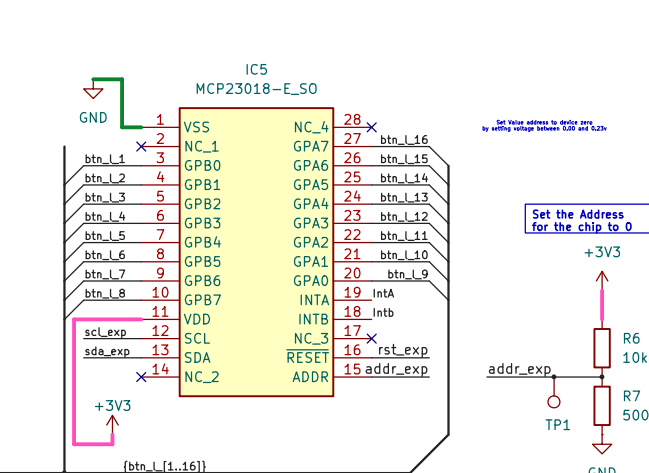


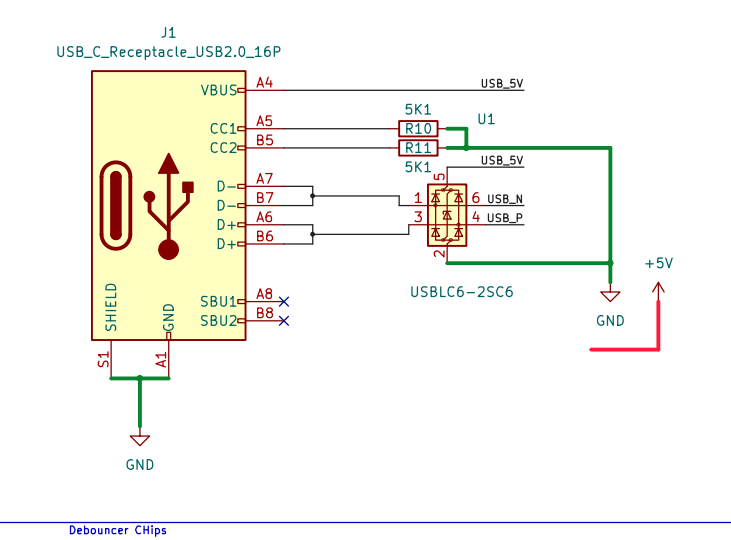
Debouncer for NO momentary push buttons



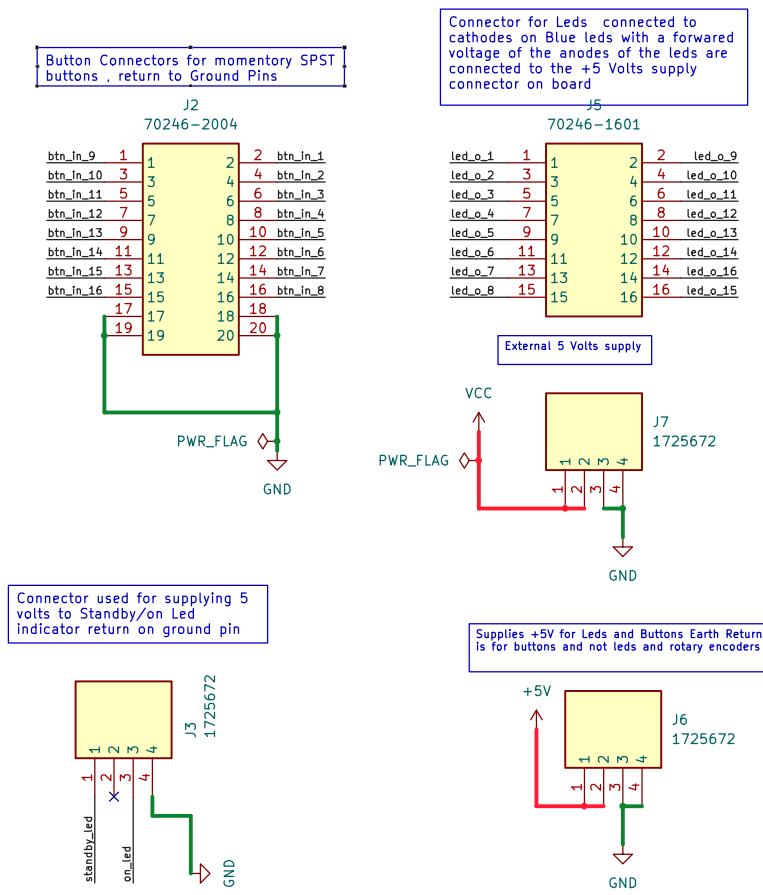
Expander adding an additional 16 GPIO pins, configured for button input only, I2C interface



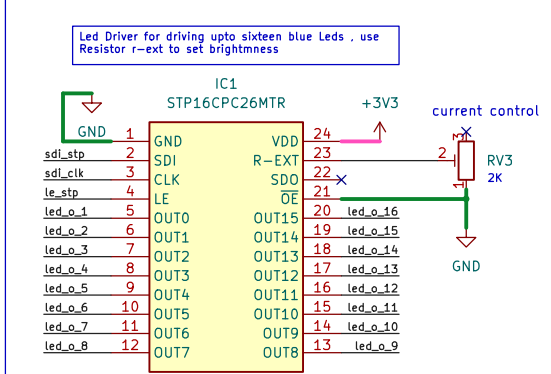
USB for MCU Programming only



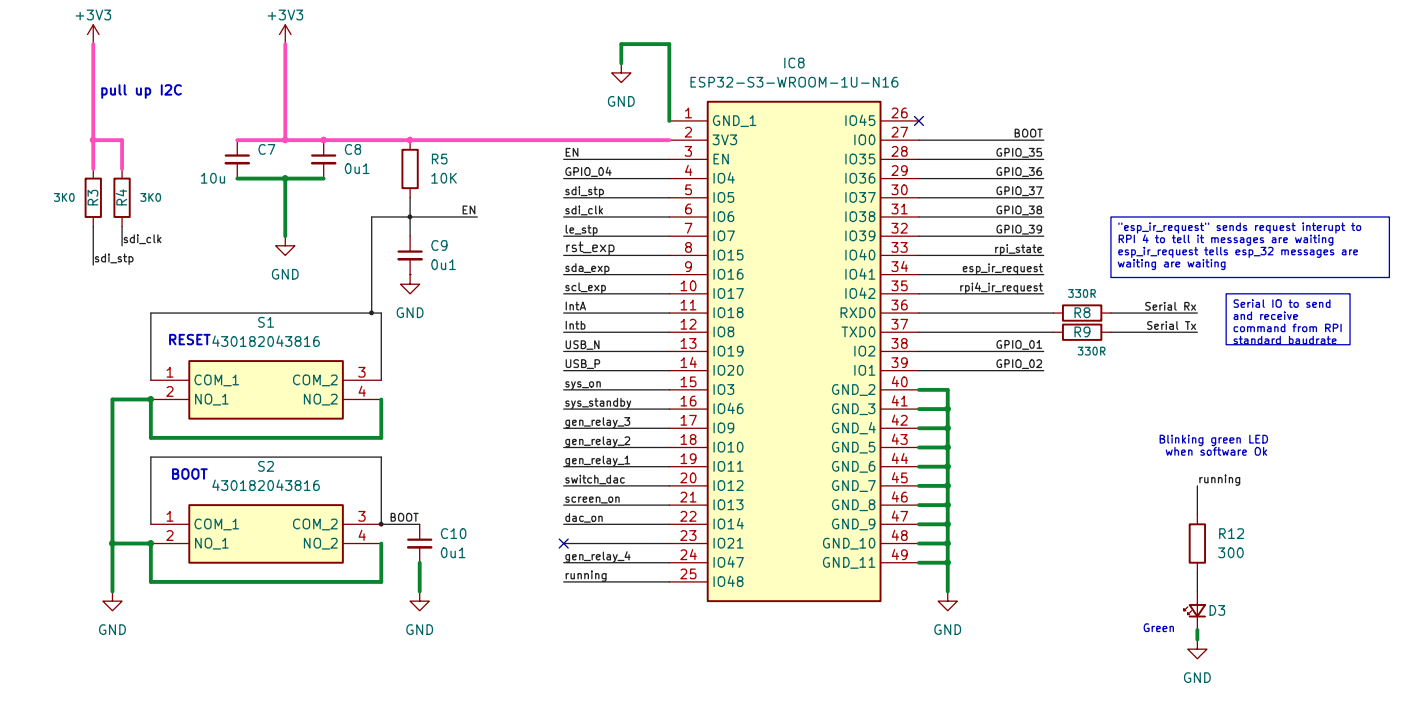
External Connectors



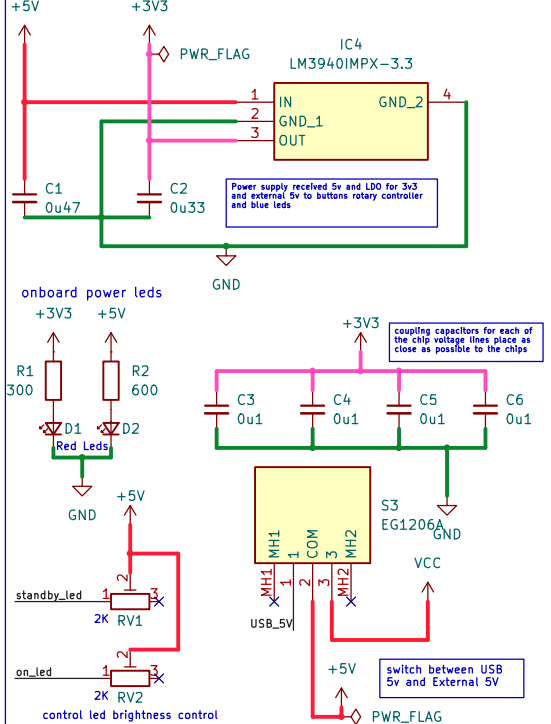
Button LED Control



ESP 32 S3 MCU to Control operation of RPI, Power supplies, and other Services and sensors



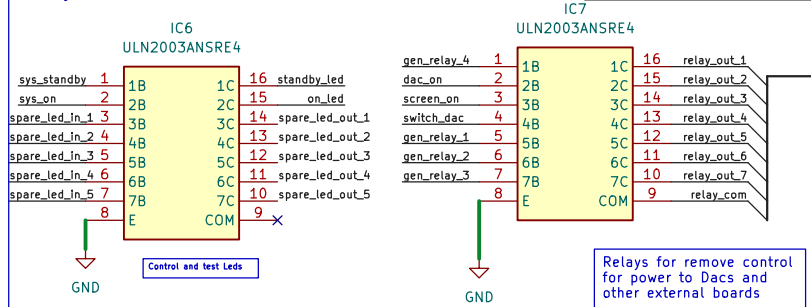
Power Supply



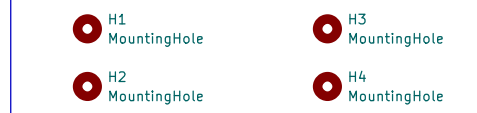
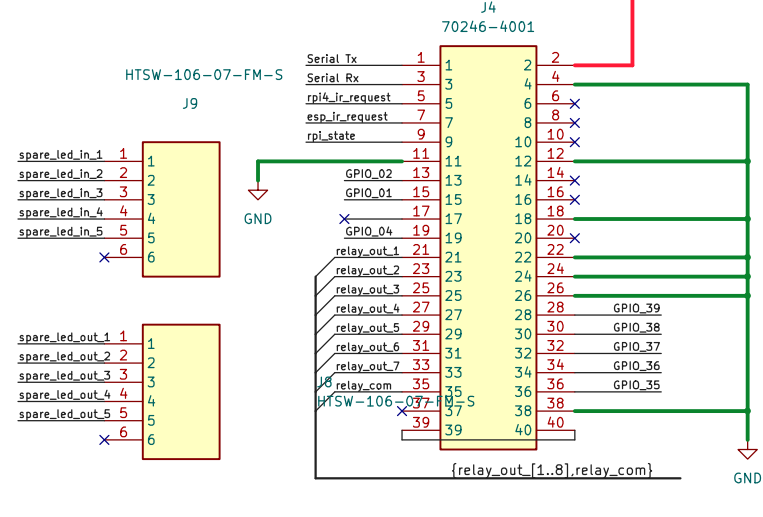
Test Points



Relay and Power Led Control



40 Pin connector for External relay signals and serial ports and Serial communications and GPIO breakout



Version with ESP32 N16 Chip directly on Board
Riverbank International designs
 Sheet: /
 File: Control Board esp32N16.kicad_sch
Title: Dac Control Board
 Size: A3 Date: 2024-08-02
 KiCad E.D.A. 8.0.0

Rev: 0.1
 Id: 1/1