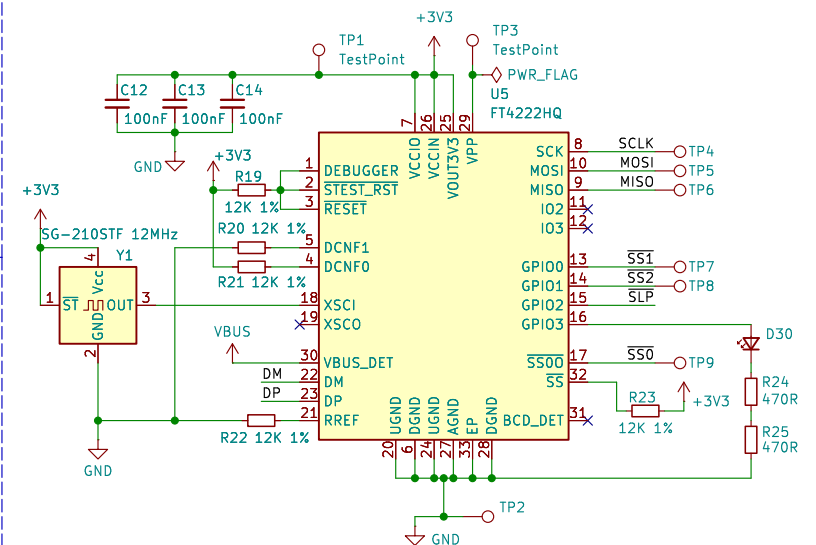


Notes:

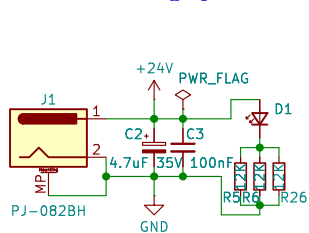
1. Device allows for the operation of 3 relay drivers over USB.
2. Each relay controls up to 8 inductive loads.
3. Design supports 5v, 12V, and 24V supplies @ 6A.
4. No indicator LEDs were added to the load circuits in order to use the open load diagnostic on the driver.
5. The 3V3 rail is only powered by the 24V source. This allows for accidental USB disconnects.

USB-SPI Interface

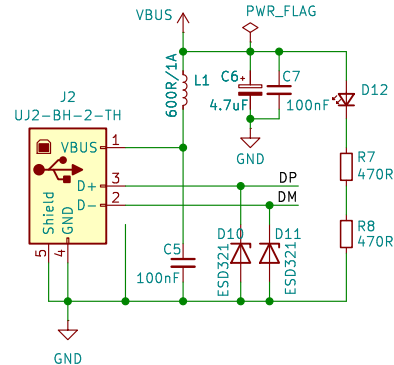


POWER

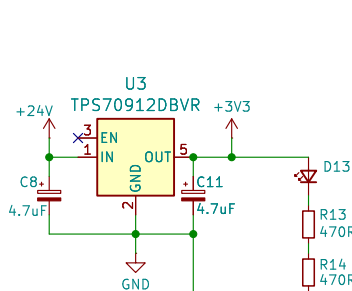
Vdc



USB



3V3



Robert R. Puccinelli

Sheet: /
File: RelayDriver.kicad_sch

Title: PLRD1 - 24 Channel Relay Driver

Size: A4 Date: 2025-02-14

KiCad E.D.A. 8.0.5

Rev: A

Id: 1/1