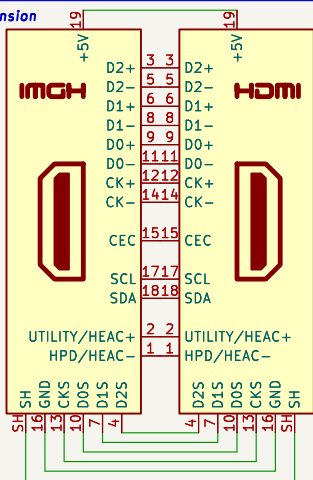


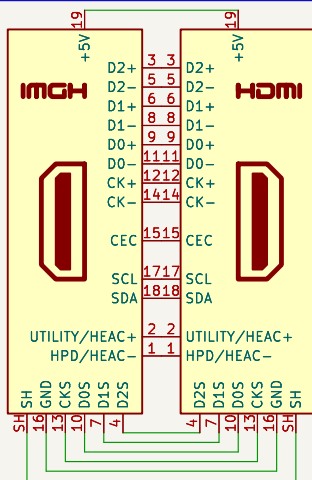
HDMI Port Extension

J1
HDMI0_Plug



J2
HDMI0_Receptacle

J3
HDMI1_Plug

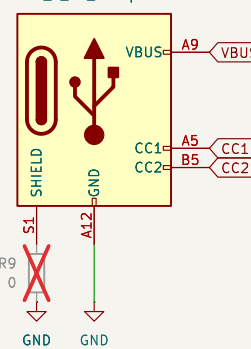


J4
HDMI1_Receptacle

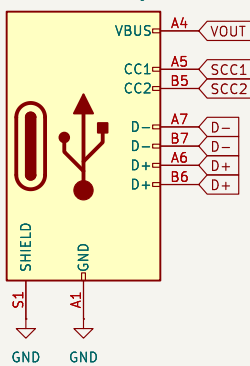
USB-C PD Receptacle & 5V5A Plug

USB 2.0 Data Transfer is not possible.

J5
USB_C_PD_Receptacle



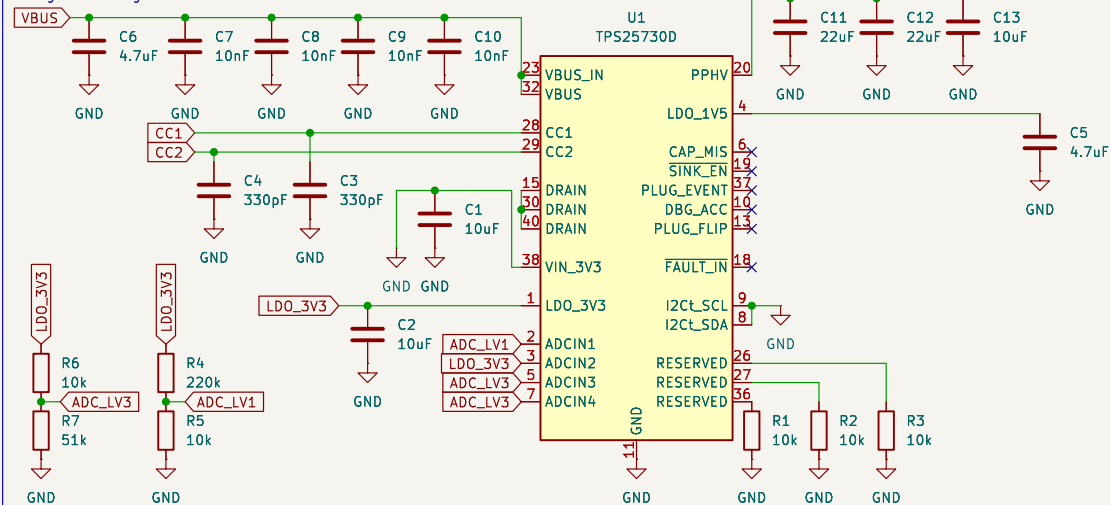
P1
USB_C_5V5A_Plug



Status LED

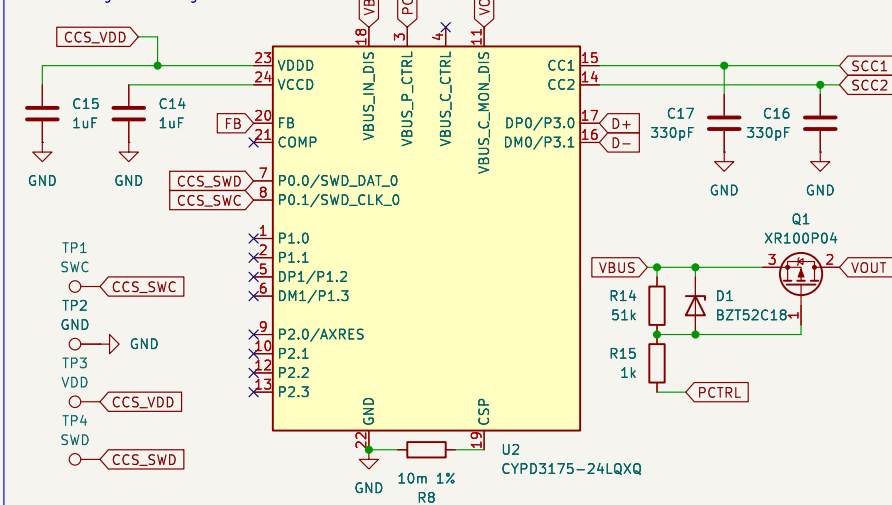
TPS25730D USB-C PD Sink Controller

Configured to negotiate 9V+ 3A+

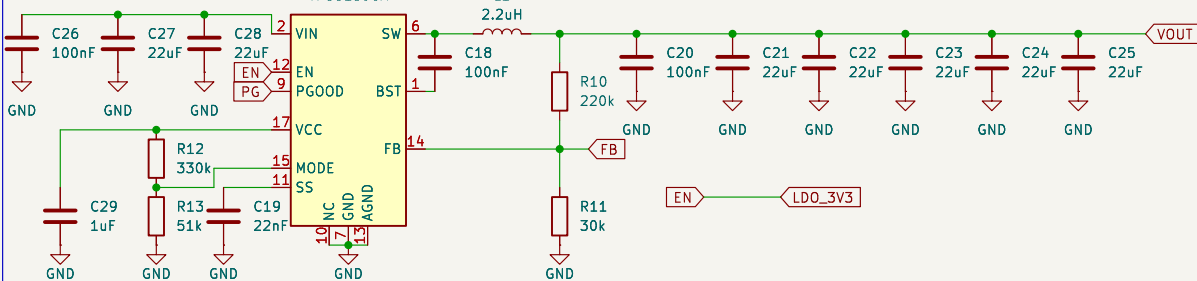


CYPD3175 USB-C PD Source Controller

Will be configured to negotiate 5V 5A



TPS51396A 5V 8A Output Buck Converter



Sheet: /
File: RPi5-PD-extension.kicad_sch

Title: Raspberry Pi 5 USB PD to 5V 5A Extension Card

Size: A4 Date: 2026/01/09

KiCad E.D.A. 9.0.6

Rev: v2_unreviewed

Id: 1/1