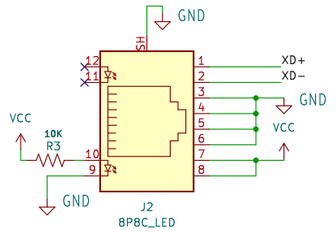
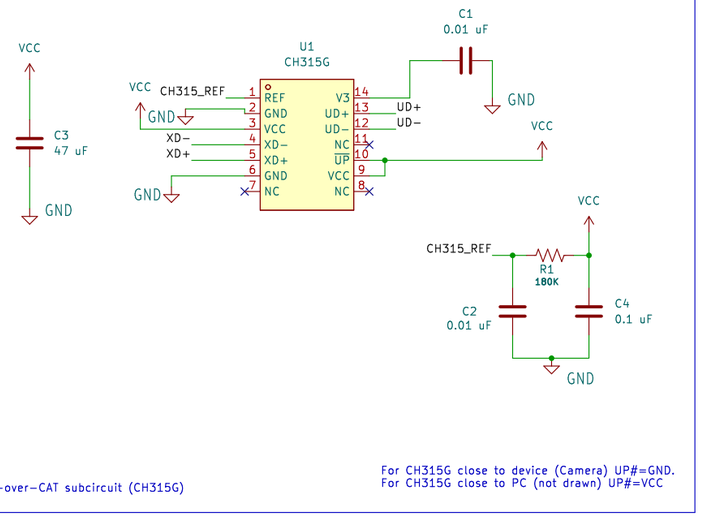
Ask Seek Forum: Do you have the diagram of the USB-C adapter?

Add closed jumper on the pullup resistor and capacitor for the FFC connector. Just in case I made a mistake and these are no good.

BE CAREFUL.
This is not an I2C RJ45, but a differential Serial signal!
Copied from the recommended schematic for CH315G



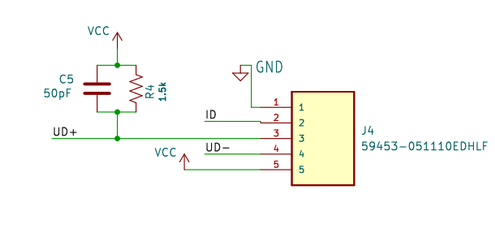
RJ45 connector to cable (Raspberry Pi & reverse adapter)



USB-over-CAT subcircuit (CH315G)

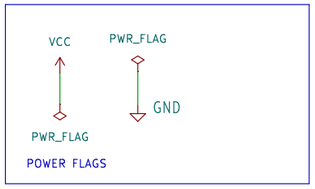
For CH315G close to device (Camera) UP#=GND.
For CH315G close to PC (not drawn) UP#=VCC

I really don't know what the ID label (prescribed by Seek) does.
Are we sure it is connected to something in the setup that concerns us?
Maybe they define this label in the Seek Datasheet.

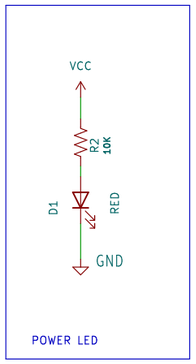


Flat Flexible Cable (FFC) connector (to CAMERA INTERFACE BOARD)

Screw terminal (2-pin) for supplying power to heater



POWER FLAGS



POWER LED

STANDOFF ADDED MANUALLY IN THE PCB LAYOUT

Mechanical support for the interface board

Note: For this first version, there is no switch for the heater. To turn off the heater, disconnect the cables.
In the future, two pole SMD switch can be added.

Note: Contrarely to the prototype, there is no USB connector in the final design. The signal goes straight from the FCC to the RJ45

Designed by Frederic Coulombe, BEng MSc
Jericho Laboratory Inc.

Sheet: /
File: WIRED-Seek-Board-revA1.kicad_sch

Title: Carrier Board for Seek Camera C214SPX

Size: A3	Date: 2024-06-23	**Rev: rev A1**
KiCad E.D.A. kicad 7.0.9		Id: 1/1