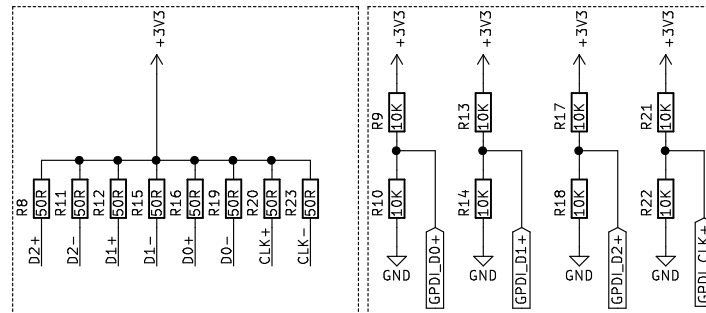


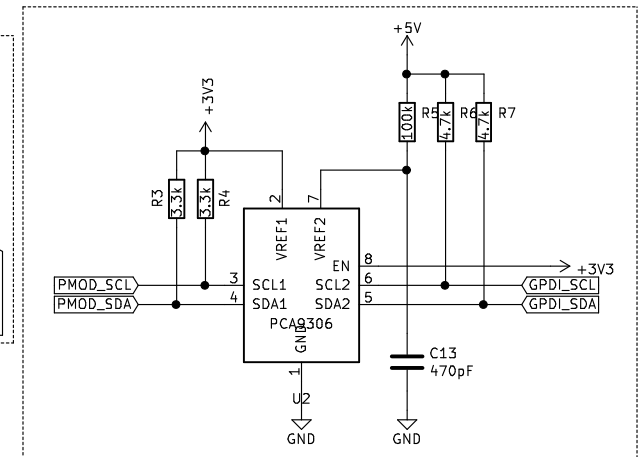
GP13 ETH+
GN13 ETH- over 510 ohm resistor
GP12 CLK+
GN12 CLK-
GP11 D2+
GN11 D2-
GP10 D1+
GN10 D1-
GP9 D0+
GN9 D0-
GP8 SDA over i2c chip
GN8 SCL over i2c chip
GP7 CEC over 510 ohm resistor
GN7 onboard LED



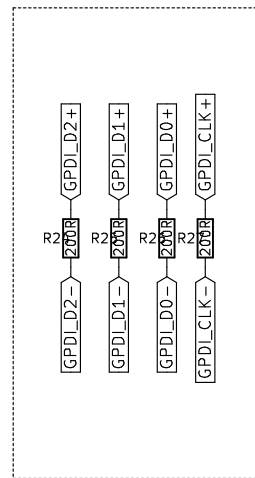
Termination resistors



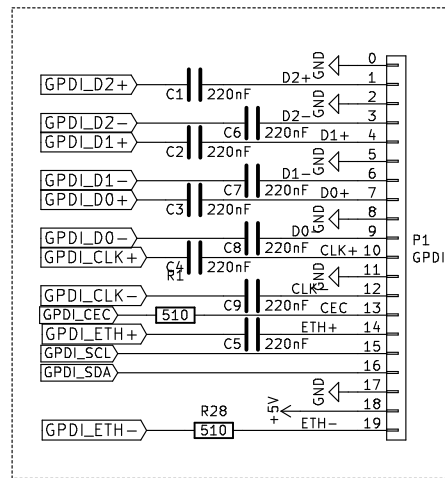
I2C level shifter



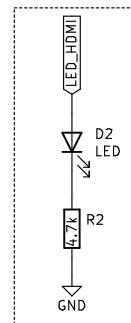
Differential termination resistors



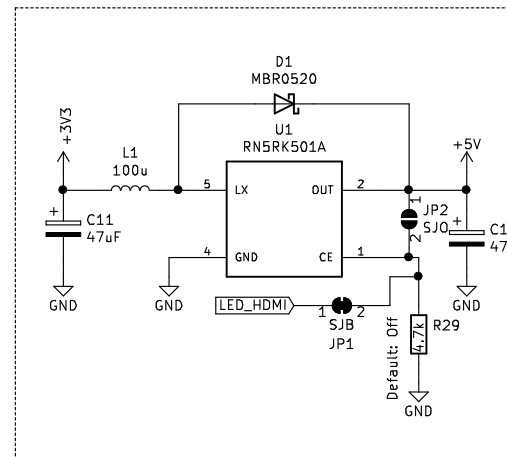
GPDI connector



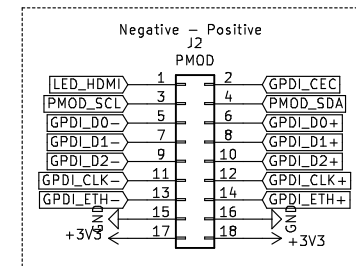
LED



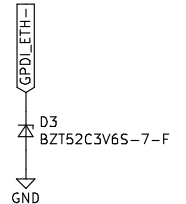
HDMI needs 5V



PMOD



3.6V zener
Lowering 5V from
monitor to 3.6V



PCB v1.8.1 and higher accept FCI 10029449-111RLF
www.amphenol-icc.com
mouser PN: 649-10029449-111RLF
<http://portal.fciconnect.com/Comergent/fci/drawing/10029449.pdf>

PCB v1.7 and v1.8 accept
mouser PN: 538-47151-1001 (Molex)
https://www.molex.com/pdm_docs/sd/471511001_sd.pdf
mouser PN: 710-685119134923 (Würth)
<https://katalog.we-online.com/em/datasheet/685119134923.pdf>

Intergalektik d.o.o.

Sheet: /
File: GPDI_ULX3S_PMOD.sch

Title: GPDI PMOD for ULX3S

Size: A4 Date: 2020-09-08
KiCad E.D.A. kicad 5.1.6+dfsg1-1bpo10+1

Rev: 1.4
Id: 1/1