

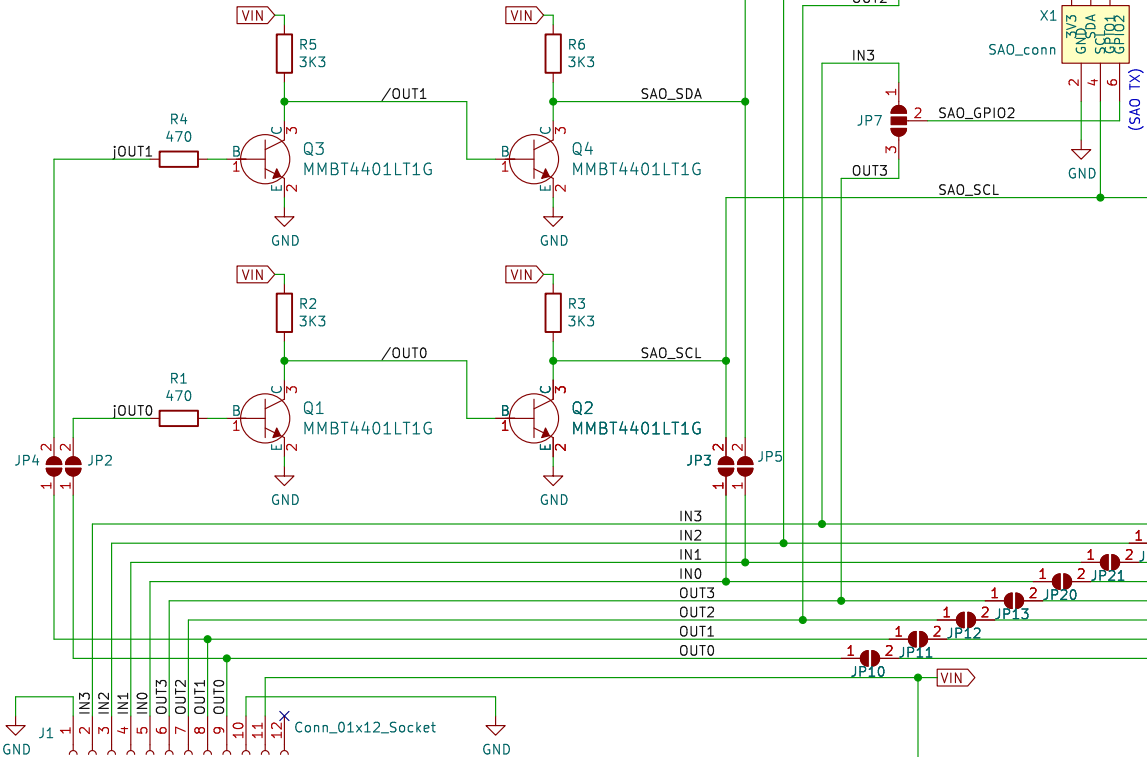
SAO VOJA4 ADAPTER (with SPI!)

GPIO TO I2C CONVERTER

Voja4 set OUTx HIGH when not in use for tri-state mode.
 Voja4 set OUT0 LOW to assert I2C line low.

1st NPN is ON. /OUT is LOW.
 1st NPN is OFF. /OUT is HIGH.

2nd NPN is OFF. I2C line is floating HIGH.
 2nd NPN is ON. I2C line is asserted LOW.

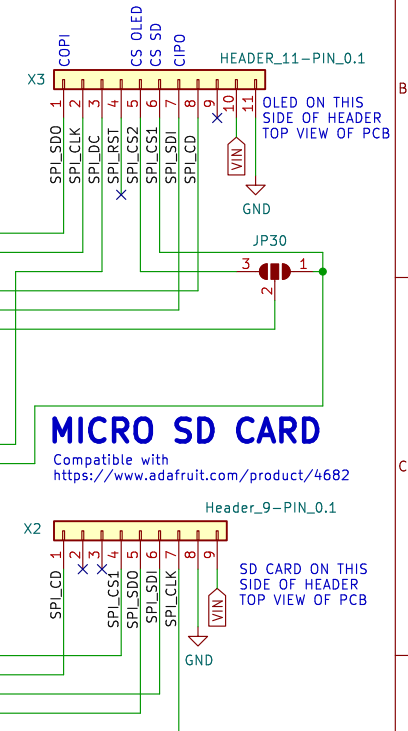


SAO, I2C, QWIIC

<https://hackaday.io/project/175182-simple-add-ons-sao>
 using Sullins SFH11-NBPC-D03-ST-BK female header
<https://www.digikey.com/product-detail/en/sullins-connector-solutions/SFH11-NBPC-D03-ST-BK/S9717-ND/4558818>

OLED COLOR SPI W/MICRO SD

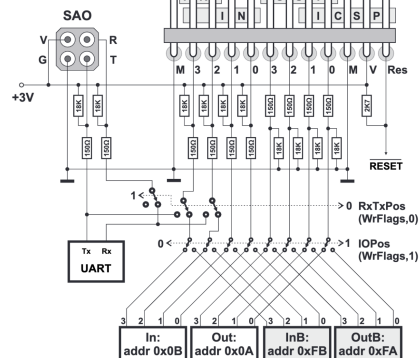
Compatible: <https://www.adafruit.com/product/1431>
 1.5" 128x128, 16-bit color w/MicroSD holder



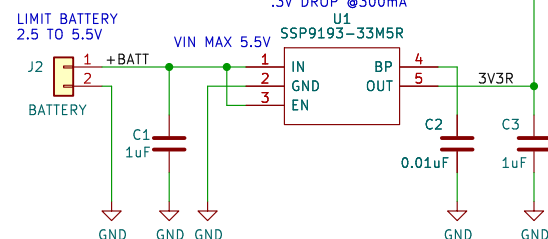
MICRO SD CARD

Compatible with
<https://www.adafruit.com/product/4682>

BADGE



ALTERNATE 3V3 REGULATOR



L1
 Machine Ideas Logo

All non-polarized capacitors are X7R or X5R ceramic unless otherwise noted.
 Designed by: Andy G., Koppany H.

Sheet: /
 File: SAO Voja4 Adapter.kicad_sch

Title: SAO Voja4 Adapter

Size: A Date: 2024-10-22
 KiCad E.D.A. 8.0.4

Rev: 1.0
 Id: 1/1