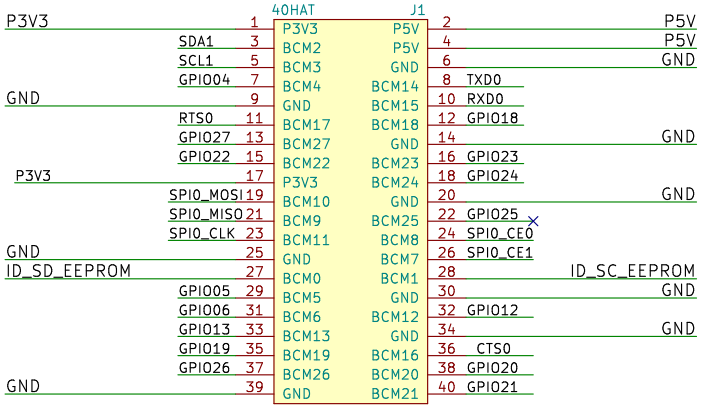
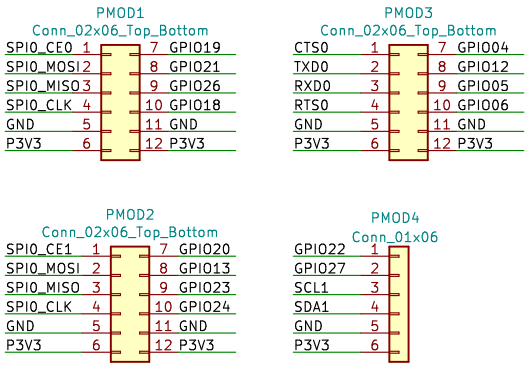
Raspberry Pi / Seeeduino XIAO PMOD Interface Board

This is a unpowered PMOD adapter, designed for the Raspberry Pi SBC. The hat is based on the Raspberry Pi template, which in turn used the Raspberry Pi foundation specs at https://github.com/raspberrypi/hats/blob/master/designguide.md

40-Pin RPi HAT Connector

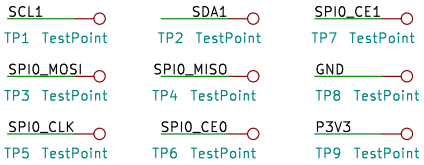


PMOD Connectors

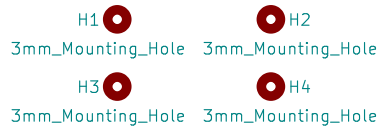


Test Pins

Optionally populated with test pins for connecting a multimeter, logic analyzer or oscilloscope.

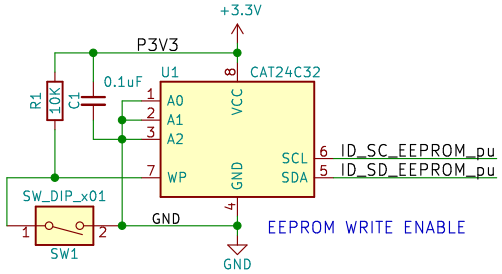


Mounting Holes



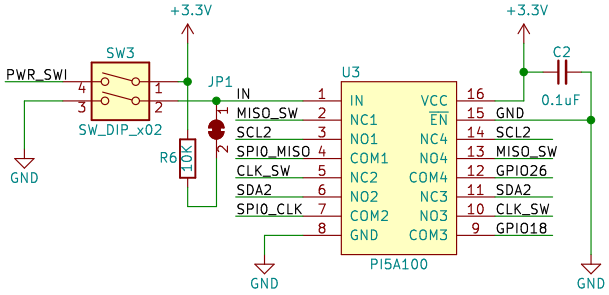
HAT EEPROM

RPi hats require an EEPROM containing the hat information, and the EEPROM should be read-only (WP pin high). Switch SW1 enables writing, connecting WP pin to GND.

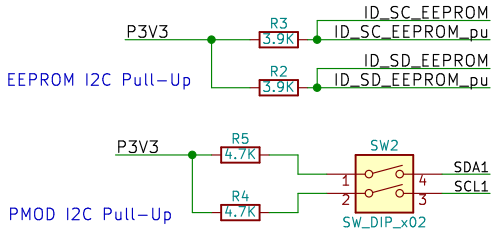


SPI/I2C and XIAO Power Switch

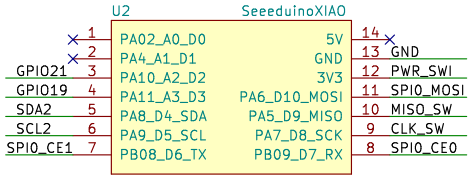
This switch connects the Seeeduino I2C lines on PMOD1 either to pin 3/4 (PMOD v1.3 Type 6A), or to pin 9/10.



I2C Pull-Up



Seeeduino XIAO



Board Labels

FM4DD:KiCad-Logo2_5mm_SilkScreen
FM4DD:RPi_Logo
FM4DD:RasPi_GPIO_Legend
FM4DD:GND_Label
FM4DD:3V3_Label

Sheet: /
File: pmod2rpi.sch

Title: PMOD Raspberry Pi HAT

Size: A4	Date: 2021-08-15	**Rev: 1.0**
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/1