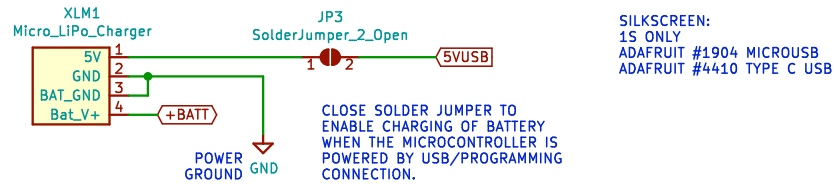




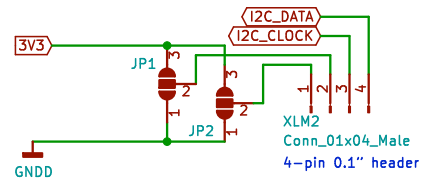
EVERYTHING ON THIS SHEET IS USER-PROVIDED OPTIONAL ADD-ONS

## LIPO BATTERY CONNECTION AND USB CHARGER



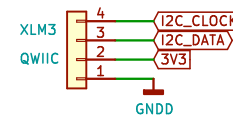
## OLED MONOCHROME I2C

0.96" (128x64)  
I2C 4-pins, ADDRESS: 0x3C (60 decimal)  
Alternate is 0x3D, not 0x7A or 0x78 (wrong 8-bit)!  
Must choose power polarity by soldering SJS.



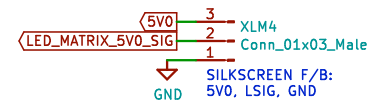
SILKSCREEN: 3V3 ONLY, 3V3/GND sides of jumpers,  
I2C OLED and pin names

## QWIIC I2C



SILKSCREEN: 3V3 ONLY  
QWIIC I2C and pin names

## ALTERNATE PIMORONI UNICORN HAT LED MATRIX



All non-polarized capacitors are X7R or X5R ceramic unless otherwise noted.

Andy Geppert  
Work in progress  
[www.Core64.io](http://www.Core64.io)

Sheet: /LED MATRIX EXPANSION/  
File: Core64 LM v0.1 Expansion.sch

**Title: Core 64 LED Matrix - Expansion**

Size: A Date: 2021-02-12  
KiCad E.D.A. kicad (5.1.2-1)-1

Rev: 0.1  
Id: 2/2