

The first four pins correspond to the usual OLED pins...


- SDA
- SCL
- VCC
- GND

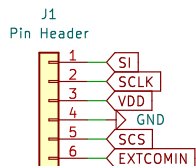
The two additional pins are needed for memory displays...

SCS:
Required for operation.

EXTCOMIN:
Not strictly required, but without it the display's lifetime may be reduced.

PWR_FLAG 

PWR_FLAG 



VDD

This sets the DISP pin to always high and causes the display to show the content.

The datasheet calls for a 560pF capacitor (C1) here, but since we are connecting DISP to VDD, which already has a large capacitor, that's not necessary.

VDD



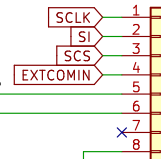
The 2017 datasheet seems to show that a 20uF capacitor is required, but in reality 2.0uF is the correct value.

The font in the datasheet is squished, which causes the "." to merge with the "2".

Older datasheets also show a value of 2.0.

DISP
VDD

J2
FCP Connector



GND

Sheet: /
File: mem_disp_ls012b7dd01.kicad_sch

Title: Sharp Memory Display Breakout Board (LS012B7DD01)

Size: A4 Date: 2022-04-26

KiCad E.D.A. kicad (6.0.2-0)

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