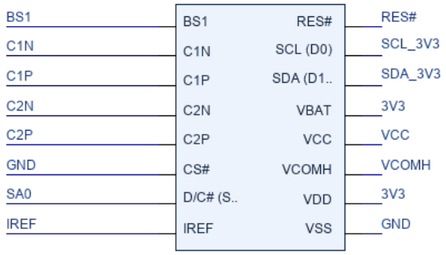
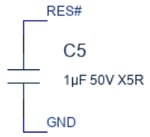
## Main Circuit And Support

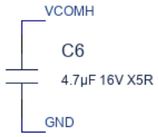
### JP3
Solder jumper



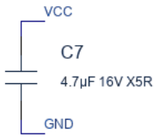

### U1
0.96" 128x64 OLED panel, SSD1306, white, 30-pin FPC (solder)

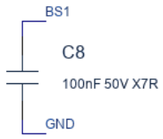


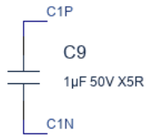



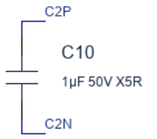




## Main Circuit And Support



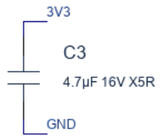



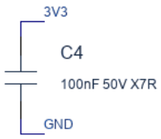

## Main Circuit And Support



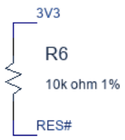


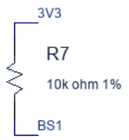





## Main Circuit And Support




DESIGN NOTES

Matching net labels identify connected signals.

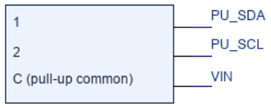
Assembly and DNP details are stored with each component.

ELECTROTRICAL.COM

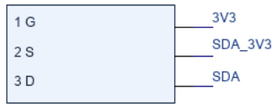
| PROJECT / DOCUMENT | | | STATUS |
|---|---|---|---|
| Ssd1306 096 Oled Qwiic | | | DESIGN REVIEW |
| DRAWN BY | CHECKED BY | DATE | REVISION |
| ElectroTrical | - | 2026-11-12 | A |
| DOCUMENT NUMBER | | FORMAT | SHEET |
| ET-D11-SCH-001 | | A3 / LANDSCAPE | 1 of 3 |

## Level Shifting And Pull-Ups

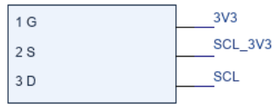
### JP2
Solder jumper




### Q1
BSS138 N-MOSFET



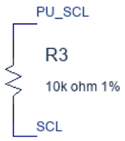

### Q2
BSS138 N-MOSFET

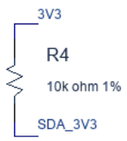


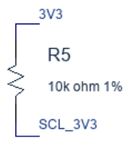




## Level Shifting And Pull-Ups



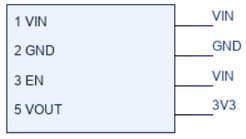



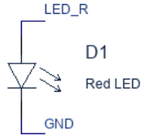

## Power And Indicators

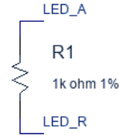
### JP1
Solder jumper



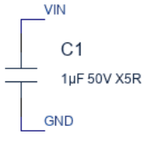

### U2
AP2112K-3.3 LDO 600mA

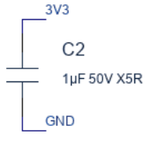



## Power And Indicators




DESIGN NOTES

Matching net labels identify connected signals.

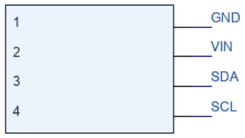
Assembly and DNP details are stored with each component.

ELECTROTRICAL.COM

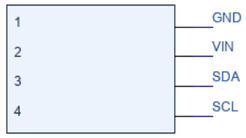
| PROJECT / DOCUMENT | | | STATUS |
|---|---|---|---|
| Ssd1306 096 Oled Qwiic | | | DESIGN REVIEW |
| DRAWN BY | CHECKED BY | DATE | REVISION |
| ElectroTrical | - | 2026-11-12 | A |
| DOCUMENT NUMBER | | FORMAT | SHEET |
| ET-D11-SCH-002 | | A3 / LANDSCAPE | 2 of 3 |

## Connectors

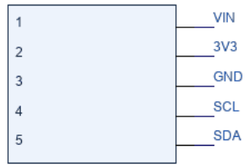
### J1
JST SH 4P R/A (Qwiic/STEMMA QT)




### J2
JST SH 4P R/A (Qwiic/STEMMA QT)




### J3 DNP
2.54mm male pin header (ship loose)




DESIGN NOTES

Matching net labels identify connected signals.

Assembly and DNP details are stored with each component.

ELECTROTRICAL.COM

| PROJECT / DOCUMENT | | | STATUS |
|---|---|---|---|
| Ssd1306 096 Oled Qwiic | | | DESIGN REVIEW |
| DRAWN BY | CHECKED BY | DATE | REVISION |
| ElectroTrical | - | 2026-11-12 | A |
| DOCUMENT NUMBER | | FORMAT | SHEET |
| ET-D11-SCH-003 | | A3 / LANDSCAPE | 3 of 3 |