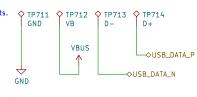


600

ESD Diodes

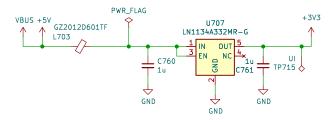
ESD protection for all of the externally accessible nets.  $\Diamond$  TP711 VBUS U706 SESRV05-4 -
USB\_DATA\_P USB\_DATA\_N♦

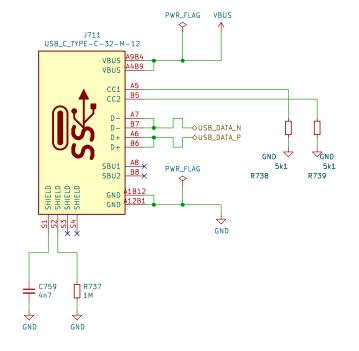
GND



## +3V3 LDO Regulators

Regulators for generating independent power rails for the microcontroller and the user interface.



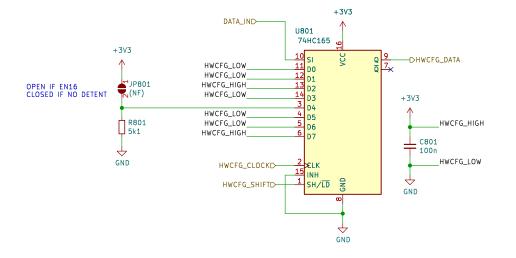


Sheet: /MCU/Sheet60F06FE1/ File: USB\_POWER.kicad\_sch

Title:

Size: A4 Date: Rev: KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu23.04.1 ld: 9/11

800



## Board Identification

Grid firmware can identify the hardware and the board revision thorugh a 3 wire serial interface using one or more shift register as read only memory. The content of the memory is defined by pulling the inputs high or low through pcb traces or solderable configuration jumpers.

4b'Model + 4b'Revision + nb'Reserved (Multiple shift registers)

```
DO: MODEL (LSB)
D1: MODEL
D2: MODEL
D3: MODEL (MSB)
D4: REVISION (LSB)
D5: REVISION
D6: REVISION (MSB)
```

## Model Codes (D3-D0):

Po16 0000 Bo16 0001 PBF4 0010 EN16 0011

## Revision Codes (D7-D4):

RevA 0000 RevB 0001 RevC 0010 RevD 0011

> Sheet: /HWCFG/ File: HWCFG.kicad\_sch

Title:

 Size: A4
 Date:
 Rev:

 KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu23.04.1
 Id: 10/11

