

600

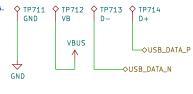
GND

GND

ESD Diodes

ESD protection for all of the externally accessible nets. \Diamond TP711 VBUS U706 SESRV05-4 -
USB_DATA_P USB_DATA_N♦

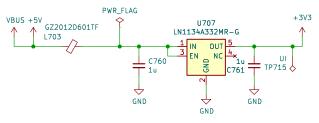
GND



PWR_FLAG VBUS J711 USB_C_TYPE-C-32-M-12 VBUS A4B9 VBUS CC1 ->USB_DATA_N -◇USB_DATA_P **₩**GND GND SBU1 5k1 5k1 PWR_FLAG 88 × SBU2 R738 R739 GND 41B12 GND 412B1 GND + C759 R737

+3V3 LDO Regulators

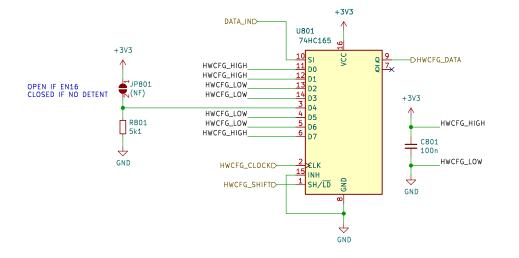
Regulators for generating independent power rails for the microcontroller and the user interface.



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: 9/23

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:
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 Id: 10/23

