

Sheet: Microcontroller

File: microcontroller.sch

Sheet: Power

File: power.sch

Sheet: Display

File: display.sch

Sheet: NFC

File: nfc.sch

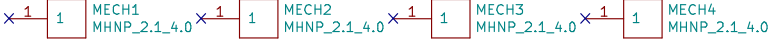
Sheet: USB

File: usb.sch

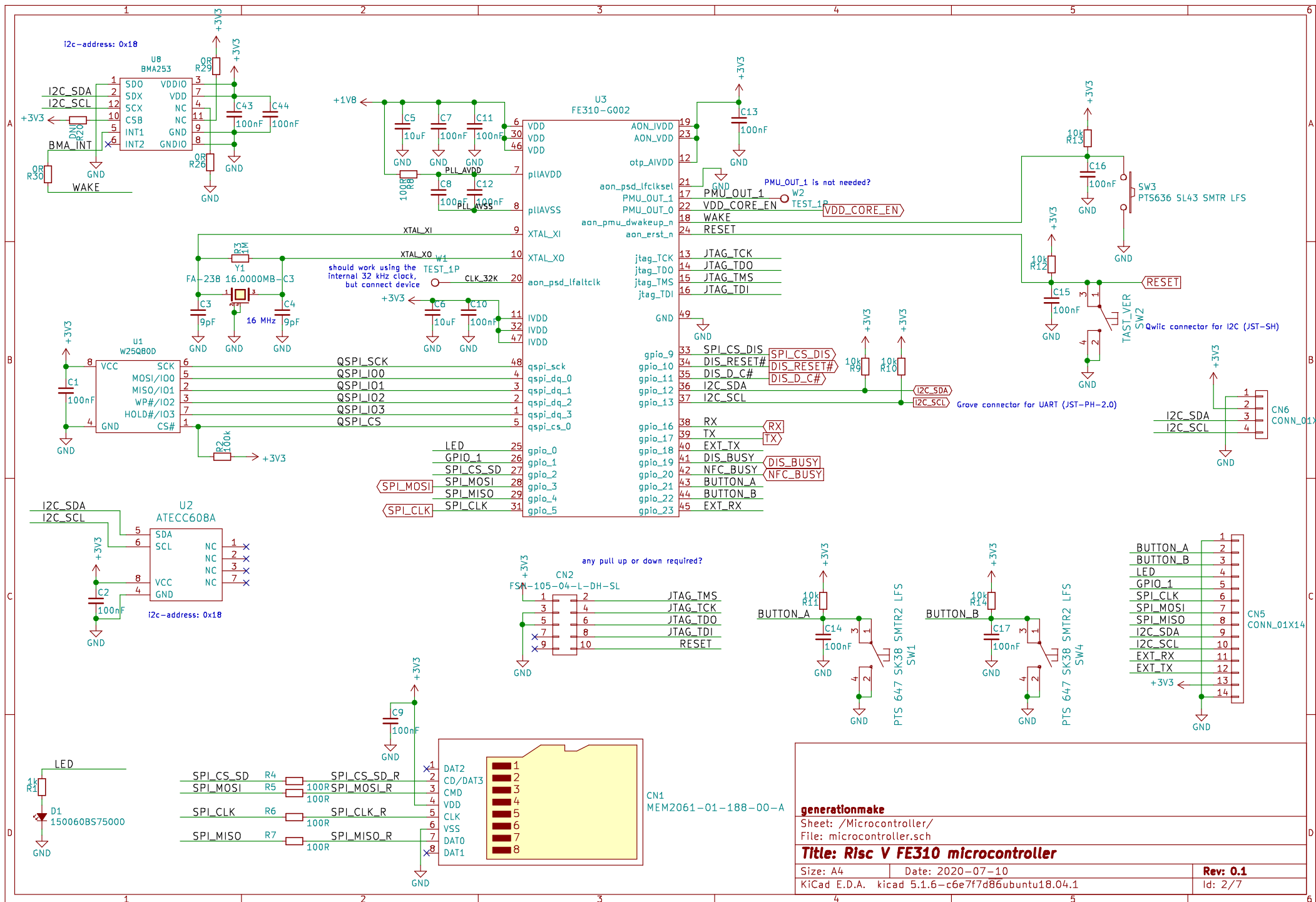
Sheet: History

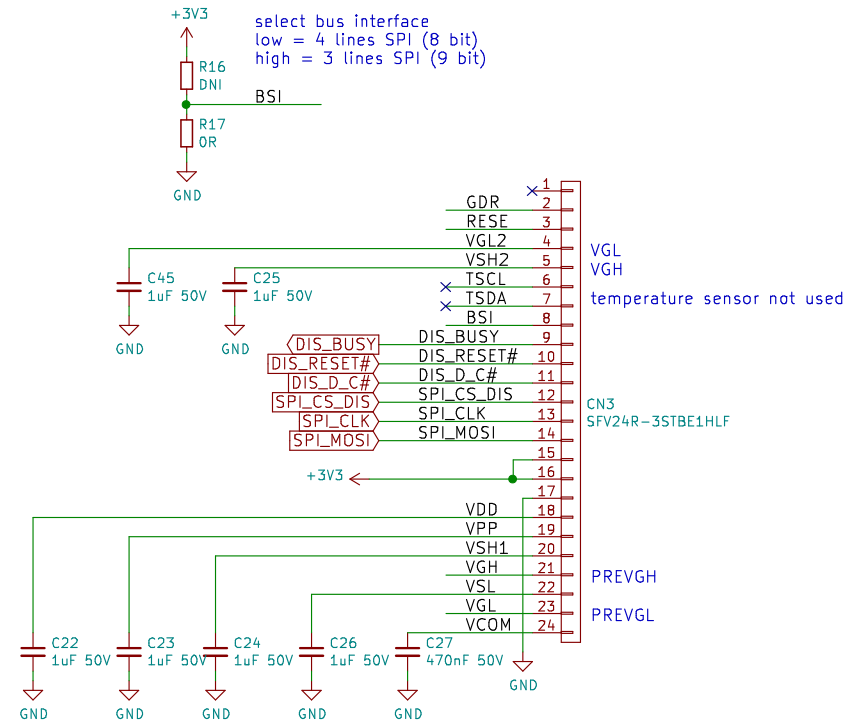
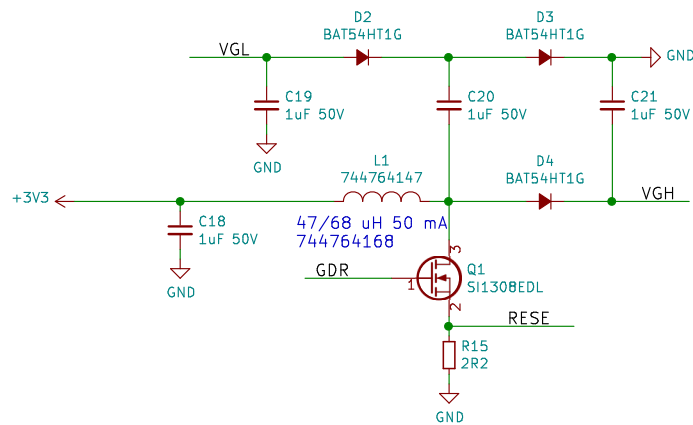
File: history.sch

mounting holes



| | | |
|---|------------------|----------|
| generationmake | | |
| Sheet: / | | |
| File: snowfox-hw-business-card.sch | | |
| Title: snowfox-hw-business-card | | |
| Size: A4 | Date: 2020-07-10 | Rev: 0.1 |
| KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1 | | Id: 1/7 |





use display Waveshare 2.9inch e-Paper Module (B)
[https://www.waveshare.com/wiki/2.9inch_e-Paper_Module_\(B\)](https://www.waveshare.com/wiki/2.9inch_e-Paper_Module_(B))
<https://www.waveshare.com/w/upload/b/bb/2.9inch-e-paper-b-specification.pdf>

should also be compatible with display USE0290-BWNL-01 – Electronic Paper display from Unisystem Co.
<https://www.unisystem-displays.com/en/products/epd/use0290-bwnl-01.html>

generationmake

Sheet: /Display/

File: display.sch

Title: e-paper display

Size: A4

Date: 2020-07-10

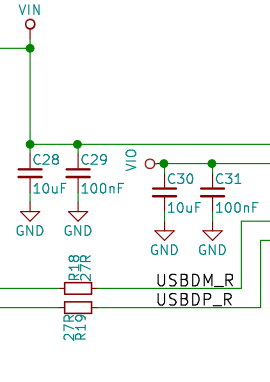
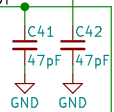
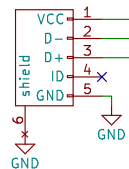
Rev: 0.1

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Id: 3/7

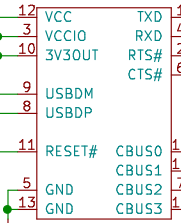
is now USB micro
change to USB type C

CN4
10118192-0001LF



use SSOP package

U4
FT230XS



VIO

D5

150060GS75000

R21

1k

VIO

D6

150060RS75000

R24

1k

VIO

R25

10k

RTS_R

Q2

BC847

1

2

RTS

RESET

RESET

generationmake

Sheet: /USB/

File: usb.sch

Title: USB

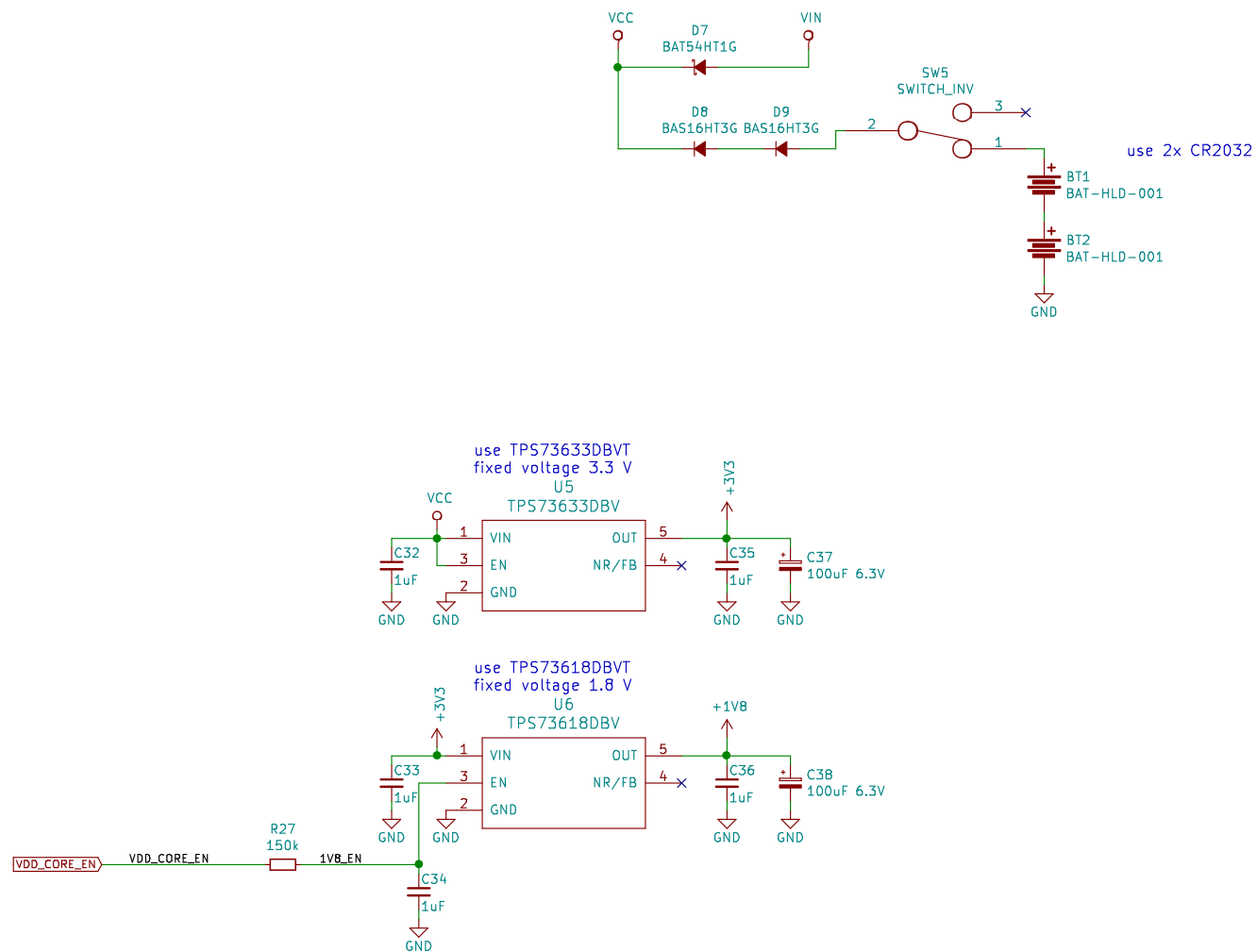
Size: A4

Date: 2020-07-10

KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1

Rev: 0.1

Id: 4/7



generationmake

Sheet: /Power/

File: power.sch

Title: power

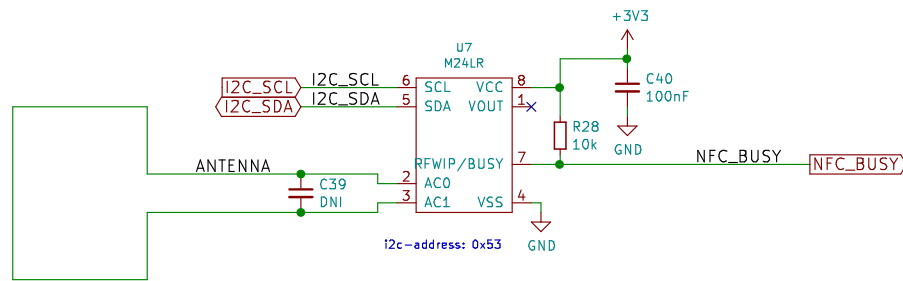
Size: A4

Date: 2020-07-10

Rev: 0.1

KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1

Id: 5/7



generationmake

Sheet: /NFC/

File: nfc.sch

Title: NFC eeprom

Size: A4 Date: 2020-07-10

KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1

Rev: 0.1

Id: 6/7

| | | | | | | |
|---|---------|------------|----------------|-----------------|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| A | version | date | name | description | | |
| | 1.0 | 2020-07-03 | Bernhard Mayer | initial release | | |
| B | | | | | | |
| C | | | | | | |
| D | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 |

| | |
|---|-----------------|
| generationmake | |
| Sheet: /History/ File: history.sch | |
| Title: history | |
| Size: A4 | Rev: 0.1 |
| KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1 | Id: 7/7 |