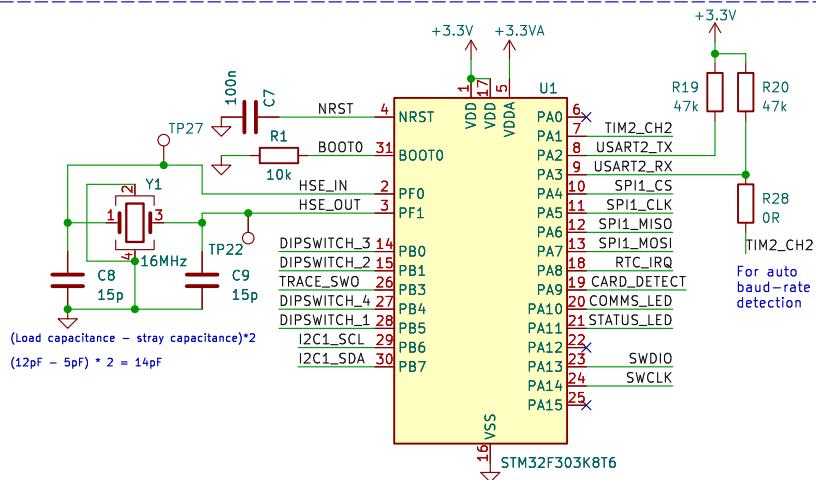
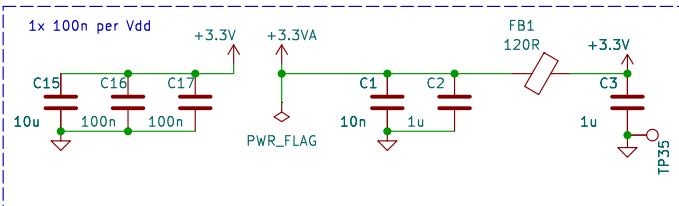


Serial Data Logger

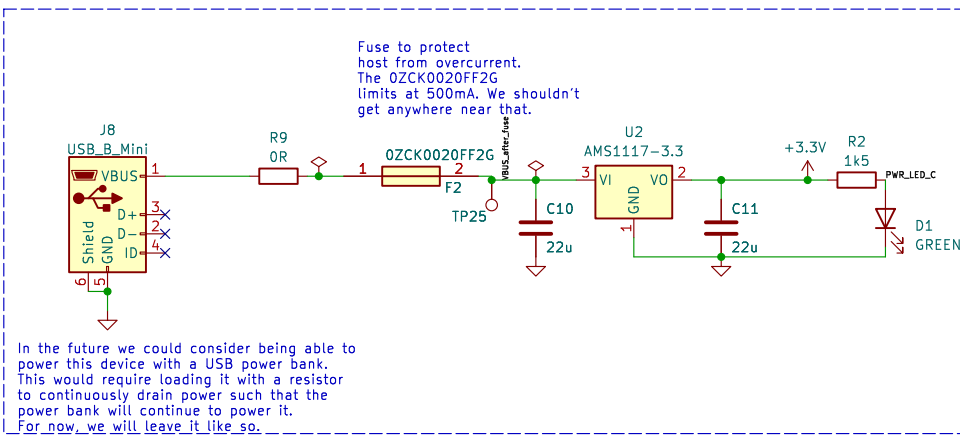
Microcontroller



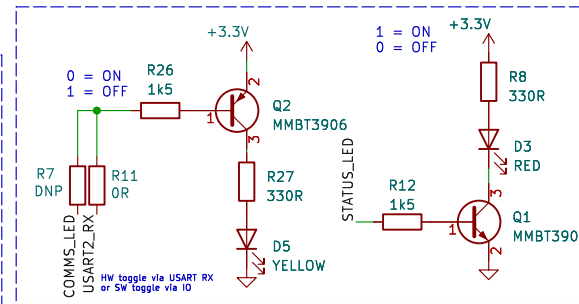
Filters



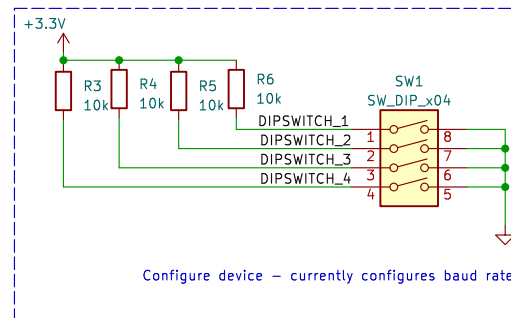
Power Supply



uC LEDs

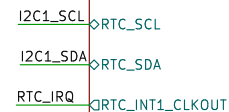


DIP Switch



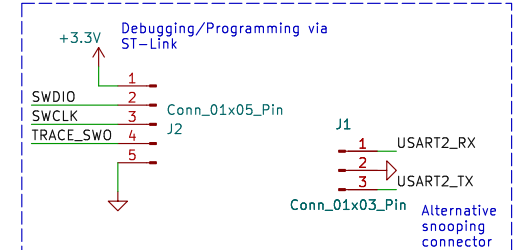
RTC

RealtimeClock



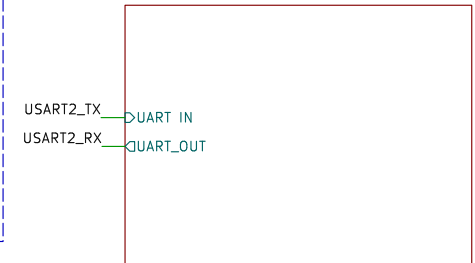
- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

Headers



RS232 to UART

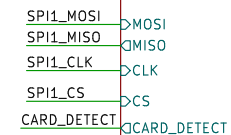
RS232-UART



File: rs232-uart.kicad_sch

SD card

SD-card-adapter



File: sd-card.kicad_sch

Sheet: /
File: serial_snooper.kicad_sch

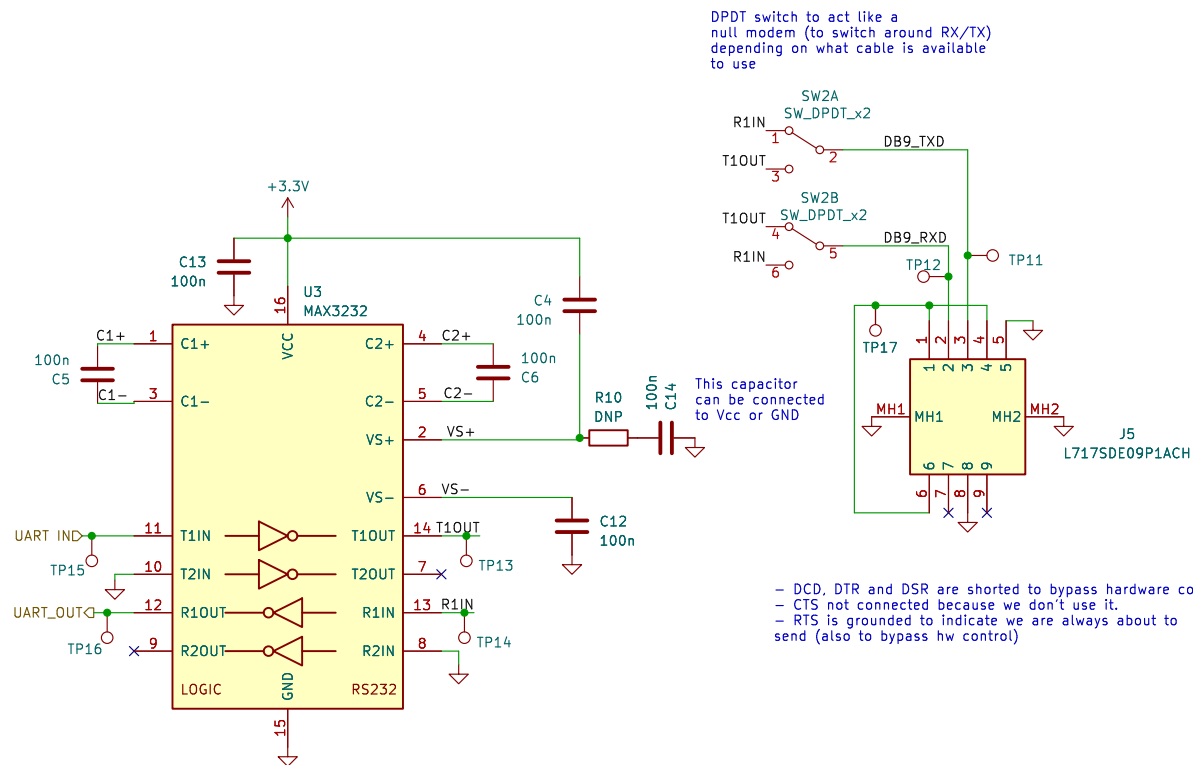
Title: Serial Snooper PCB

| | |
|----------|------------------|
| Size: A4 | Date: 2023-04-22 |
|----------|------------------|

| | |
|--------------|-------------|
| KiCad E.D.A. | kiCad 7.0.2 |
|--------------|-------------|

Rev: 1.0

Id: 1/4



Ground unused inputs. The outputs appear to be inverted according to the max3232 datasheet, so we can leave them unconnected.

Sheet: /RS232-UART/
File: rs232-uart.kicad_sch

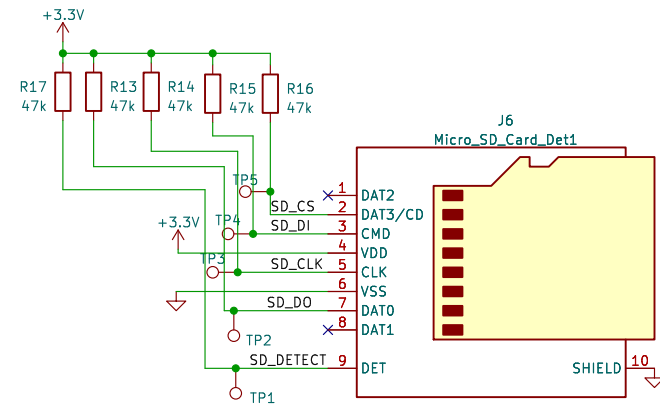
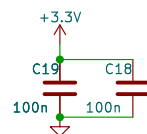
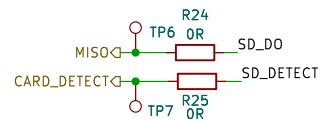
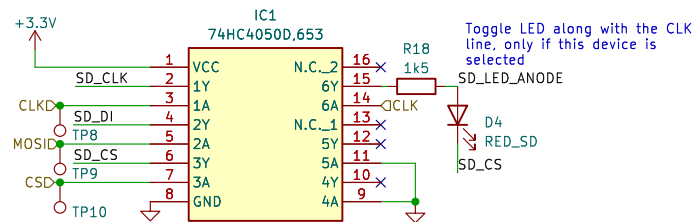
Title:

Size: A4
KiCad E.D.A. kicad 7.0.2

Date:

Rev:
Id: 2/4

Using buffers for all input lines.
Connecting output lines directly (not sure exactly why they do this and not use buffers, but leaving it like so)

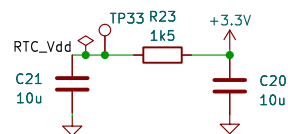
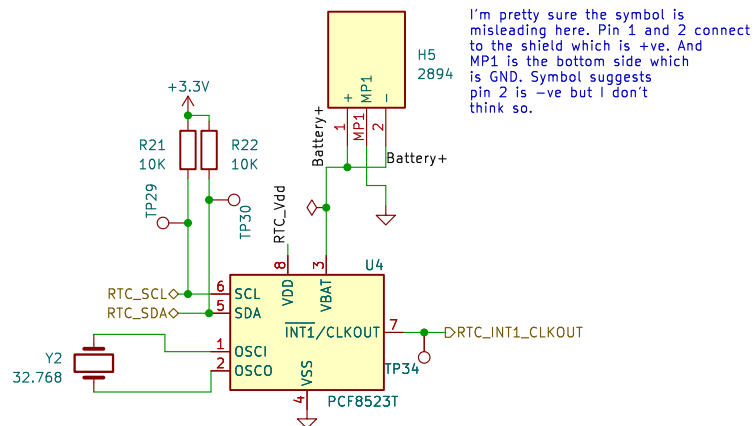


Title:

Date:

Rev:

Id: 3/4



RC circuit + decoupling.

The RC circuit is to give the RTC enough time to detect and switch to battery power when Vdd is disconnected.

Sheet: /RealtimeClock/
File: rtc.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad 7.0.2

Rev:

Id: 4/4