

[illegible]

The diagram illustrates the system architecture with the following components and connections:

- Rpi-F9CD9C** (Left):
 - Contains **ZED F9P** and **NEO D9C** modules.
 - ZED F9P** has TXRX, TXRX2, and USB ports.
 - NEO D9C** has TXRX, TXRX2, and USB ports.
 - Includes an **RF distrib** block and three **SMA** connectors.
- direct L6 data path** (Center): A dashed vertical line indicating a direct connection between the USB ports of ZED F9P and NEO D9C.
- Raspberry Pi5** (Middle):
 - Contains UART0, UART4, UART1, and UART3.
 - UART0 and UART4 are connected to ZED F9P TXRX and TXRX2 respectively.
 - UART1 and UART3 are connected to NEO D9C TXRX and TXRX2 respectively.
 - Contains configuration boxes:
 - UART0: "use the GNSS data by the internal program"
 - UART4: "for config ser2net: tcp:0.0.0.0,2000 /dev/ttyAMA4"
 - UART1: "use the GNSS data by the internal program"
 - UART3: "for config ser2net: tcp:0.0.0.0,2001 /dev/ttyAMA3"
 - Contains a **USB hub** connected to the USB ports of both ZED F9P and NEO D9C.
- u-conter** (Right):
 - Contains a **TXRX** port.
 - Connected to the Raspberry Pi5 via **ETH** (Ethernet) and **USB** ports.

```
/etc/ser2net.yaml
%YAML 1.1

connection: &f9p
  acceptor: tcp.0.0.0.0.2000
  enable: on
  options:
    kickolduser: true
  connector: serialdev,/dev/ttyAMA4,921600n81,local

connection: &d9c
  acceptor: tcp.0.0.0.0.2001
  enable: on
  options:
    kickolduser: true
  connector: serialdev,/dev/ttyAMA3,921600n81,local
```

GNSS ZED-F20P

ファイル: Rpi-F9PD9C-01_ZEDF9P.kicad_sch

GNSS Neo-D9C

ファイル: Rpi-F9PD9C-02_NeoD9C.kicad_sch

USB HUB

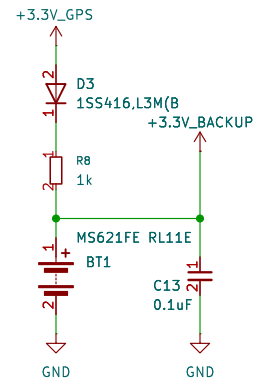
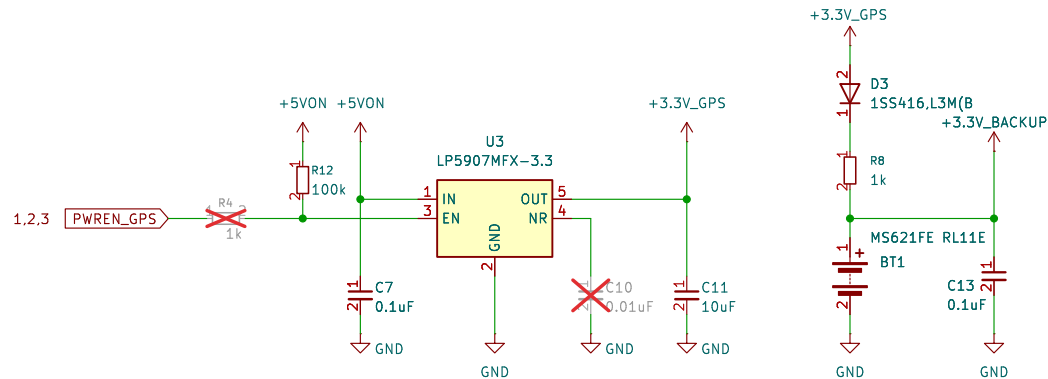
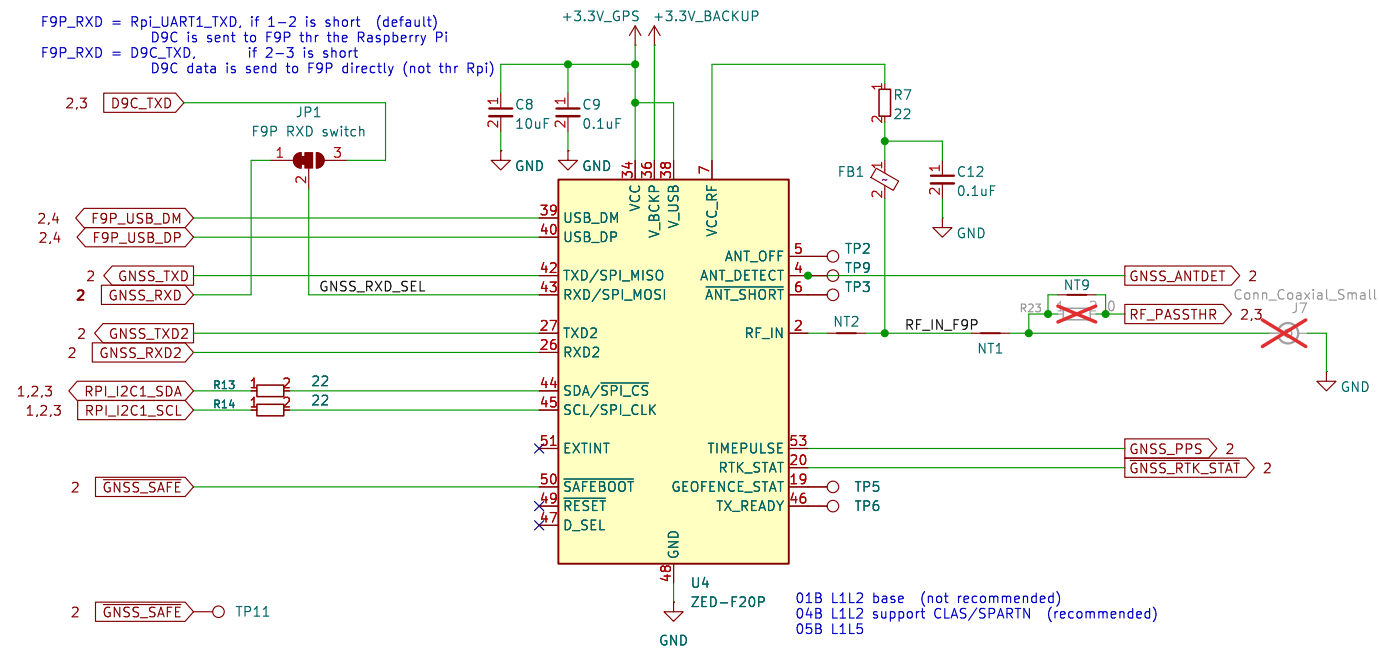
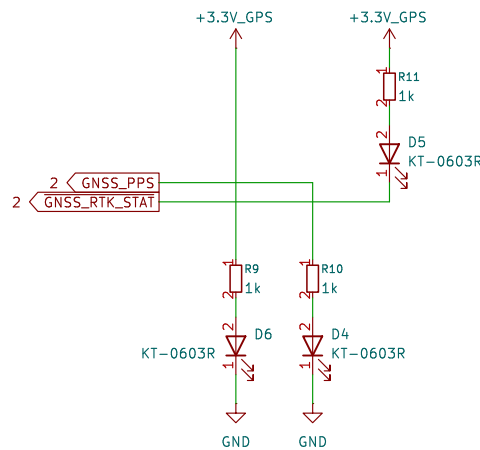
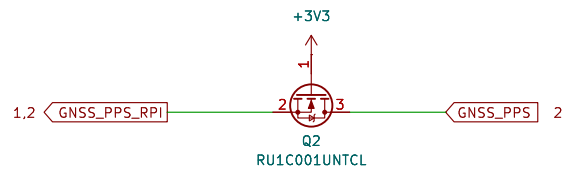
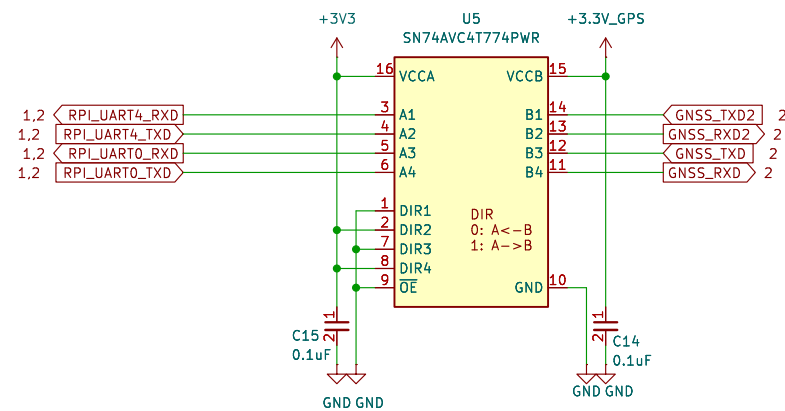
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Rpi F20PD9C

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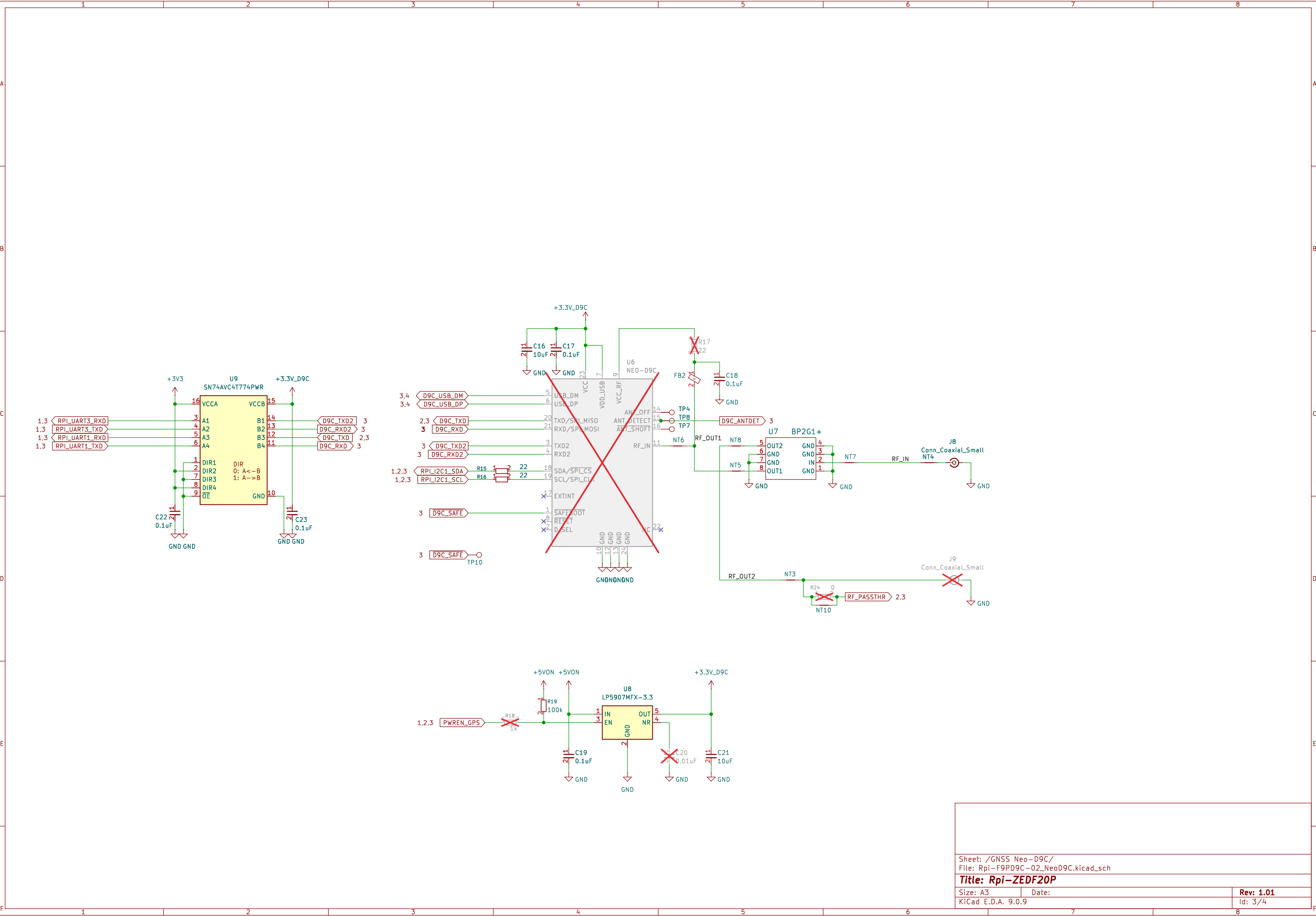
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Rev: 1.01

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