

CERN OHL

F4GRX

Sheet: /

File: ap.sch

Title: Radio gateway (overview)

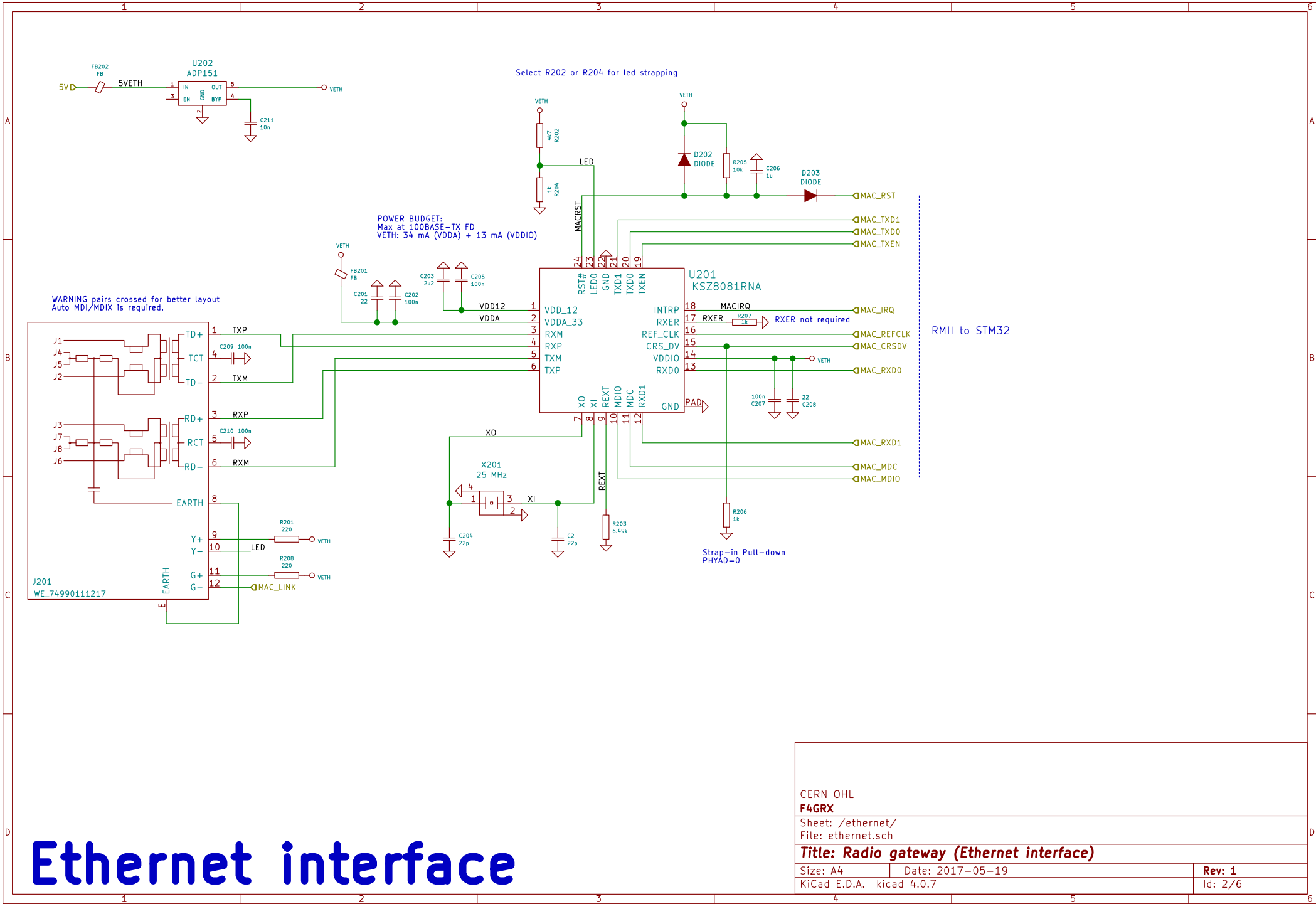
Size: A4

Date: 2017-05-19

Rev: 1

KiCad E.D.A. kicad 4.0.7

Id: 1/6



Ethernet interface

CERN OHL
F4GRX

Sheet: /ethernet/
File: ethernet.sch

Title: Radio gateway (Ethernet interface)

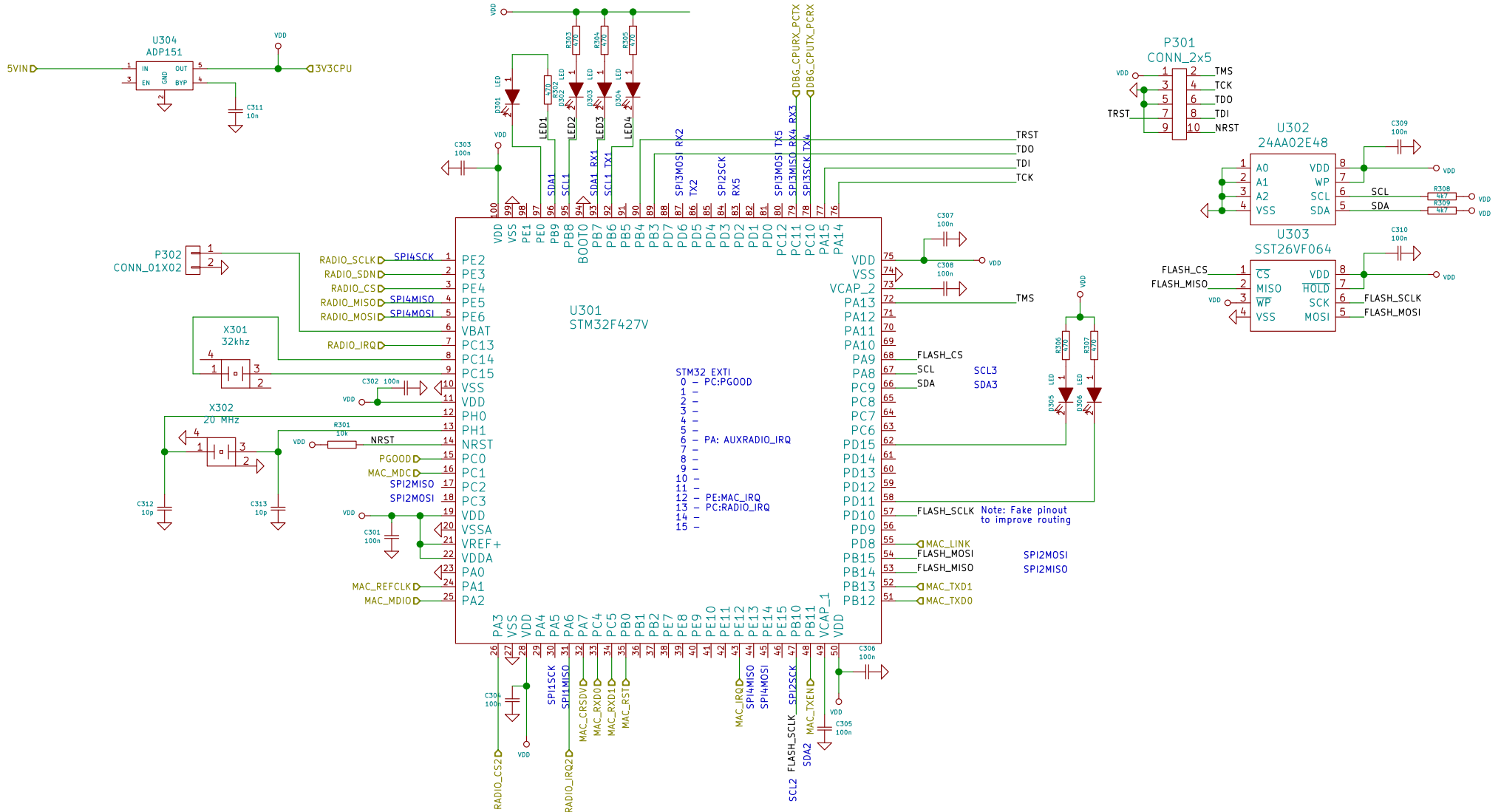
Size: A4 Date: 2017-05-19

KiCad E.D.A. kicad 4.0.7

Rev: 1

Id: 2/6

CPU



CERN OHL

F4GRX

Sheet: /cpu/

File: cpu.sch

Title: Radio gateway (CPU)

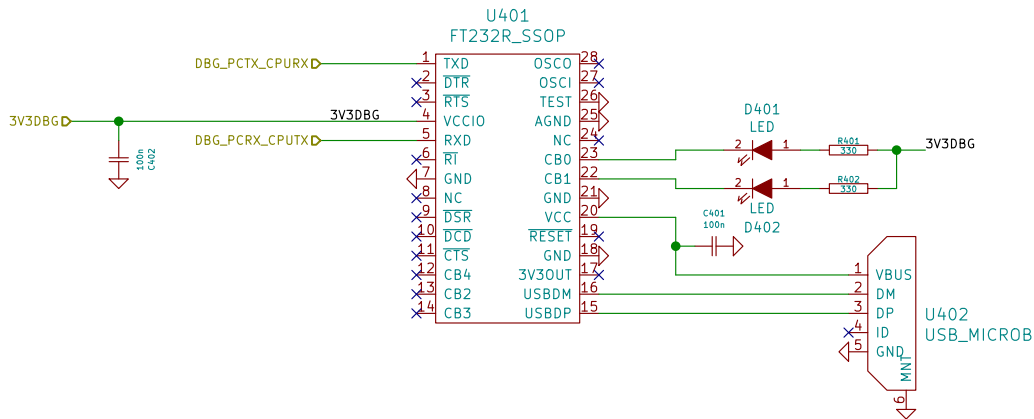
Size: A4 Date: 2017-05-19

KiCad E.D.A. kicad 4.0.7

Rev: 1

Id: 3/6

DEBUG



CERN OHL

F4GRX

Sheet: /debug/

File: debug.sch

Title: Radio gateway (Debug UART)

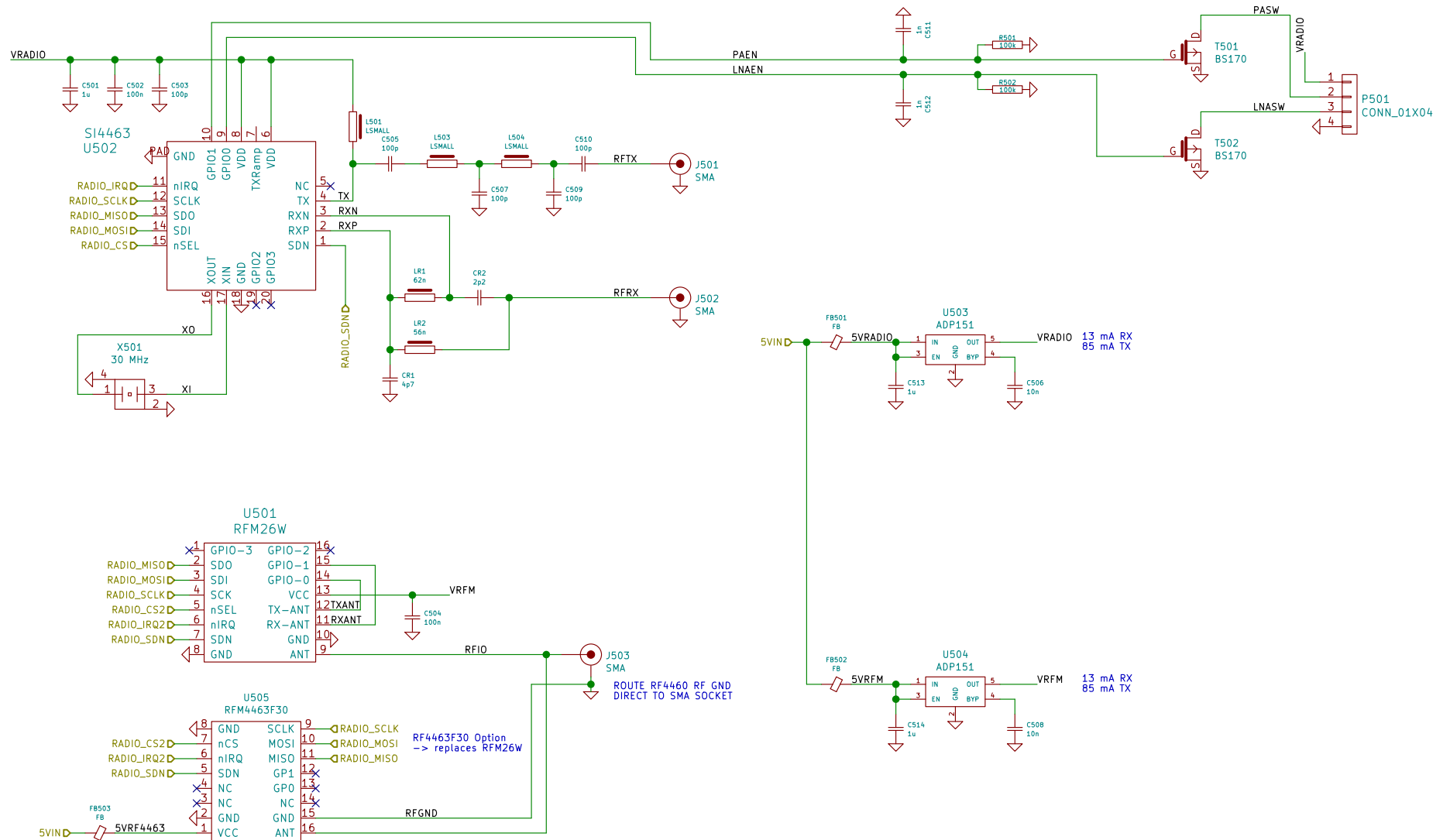
Size: A4 Date: 2017-05-19

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Rev: 1

Id: 4/6

S501
PIN
Shielded box



FSK Radio

Two options:
CEM4463F30 module
direct use of si4463
F4GRX

Sheet: /radio/
File: radio.sch

Title: Radio gateway (FSK radio)

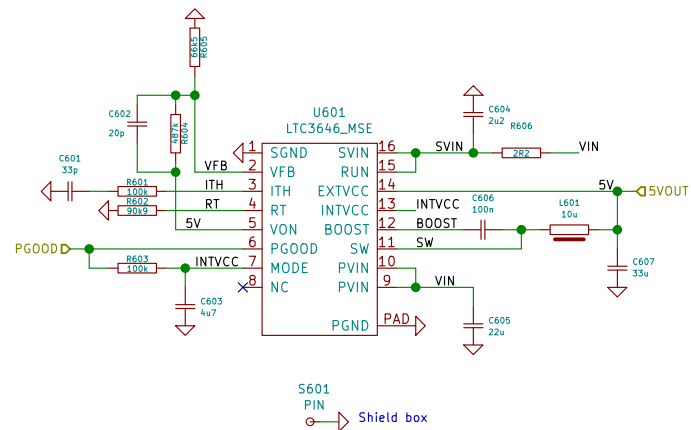
Size: A4
KiCad E.D.A. kicad 4.0.7

Date:

Rev: 1

Id: 5/6

Power



CERN OHL

F4GRX

Sheet: /power/

File: power.sch

Title: Radio gateway (Power supply)

Size: A4

Date: 2017-07-05

Rev: 1

KiCad E.D.A. kicad 4.0.7

Id: 6/6