

Sheet: Power

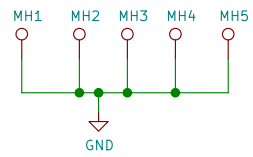
File: Power.sch

Sheet: Amplifier

File: Amplifier.sch

Sheet: Control

File: control.sch



Design based on work by Steve Haynal KF7O and Claudio IN3OTD

PA3GSB Johan Maas

AppMind

Sheet: /

File: radioberry-preamp.sch

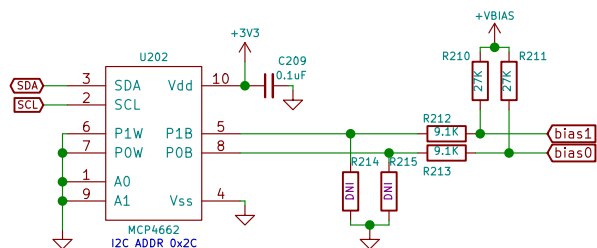
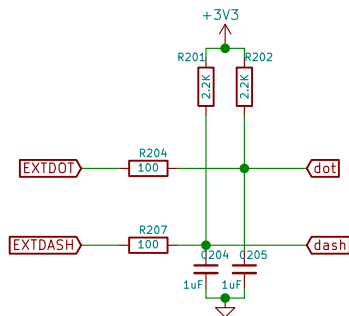
Title: Radioberry – amplifier

Size: A4 Date: 2020-12-18

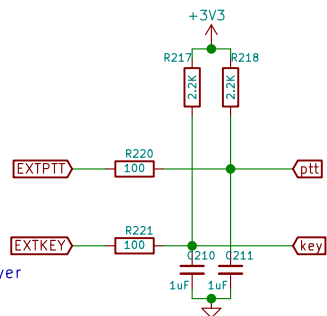
KiCad E.D.A. kicad (5.1.8)-1

Rev: beta 1

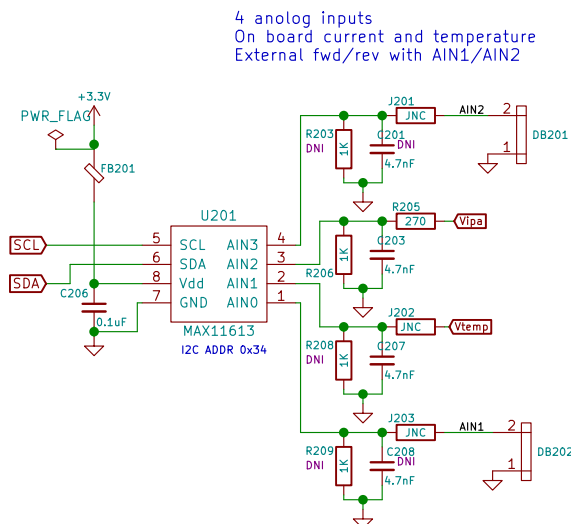
Id: 1/4



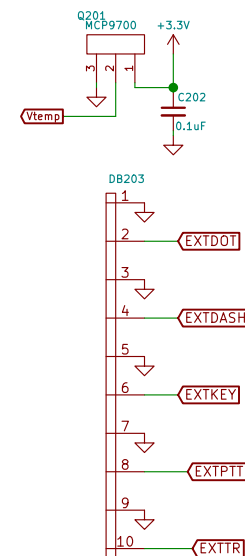
R210,R211,R212,R213 set for AFT05MS003. Bias voltage ranges from 2.5 to 3.5V



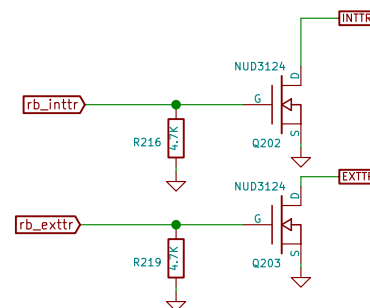
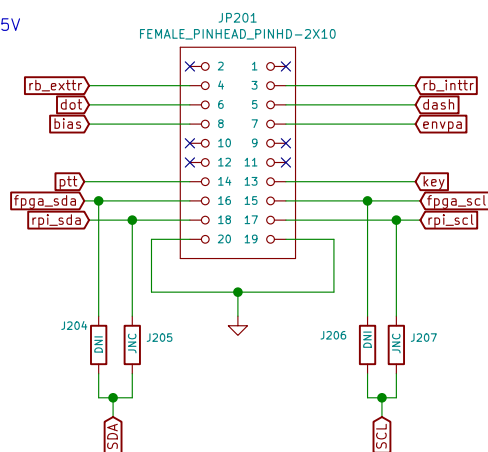
Two input only
CW/PTT or CW keyer
Ground to key



4 analog inputs
On board current and temperature
External fwd/rev with AIN1/AIN2



LDMOS Temperature Sensor



Internal PTT
May ground INTTR during TX
depending on firmware setting
Pullup to 3.3V by K2
May pullup to 28V if K2 absent

External PTT
Will ground EXTTR during TX
External PA to supply pullup
voltage up to 28V

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Sheet: /Control/

File: control.sch

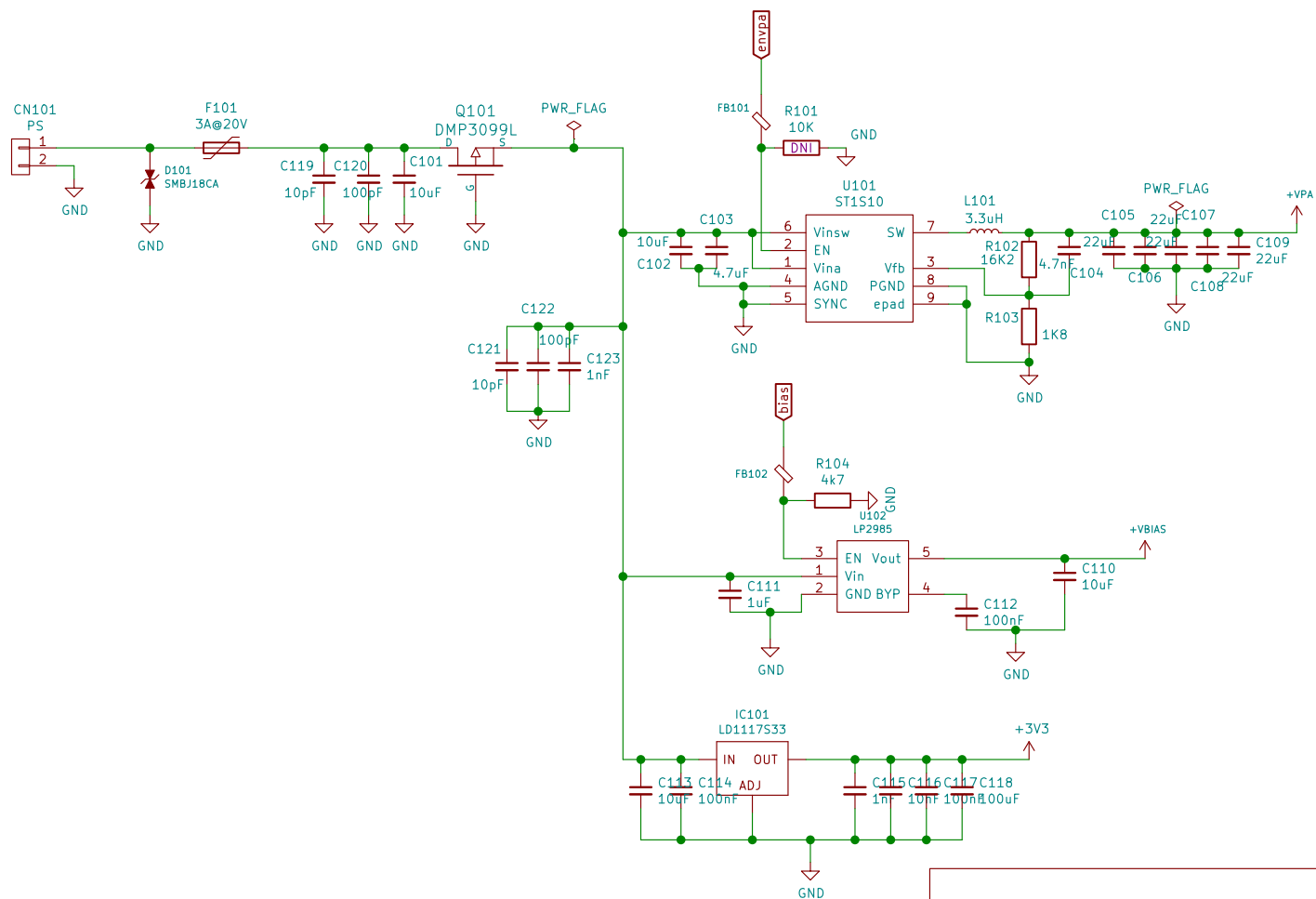
Title: Radioberry – amplifier

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Rev: beta 1

Id: 3/4



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Title: Radioberry – amplifier

Size: A4 Date: 2020-12-18

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Rev: beta 1

Id: 4/4