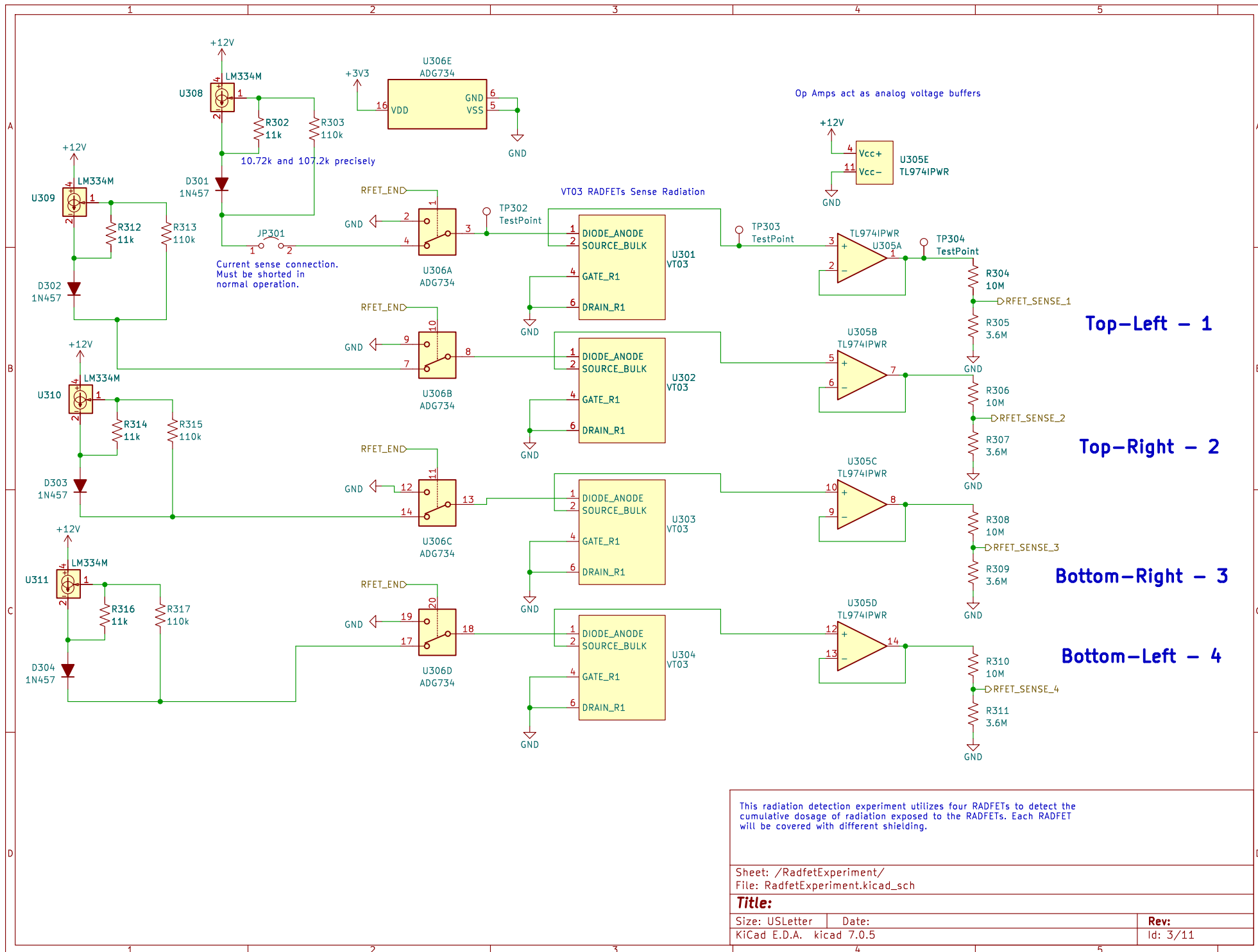


Sheet: /PowerSheet/
File: PowerSheet.kicad_sch

Title:

Size: USLetter Date:
KiCad E.D.A. kicad 7.0.5

Rev:
Id: 2/11



This radiation detection experiment utilizes four RADFETs to detect the cumulative dosage of radiation exposed to the RADFETs. Each RADFET will be covered with different shielding.

Sheet: /RadfetExperiment/
File: RadfetExperiment.kicad_sch

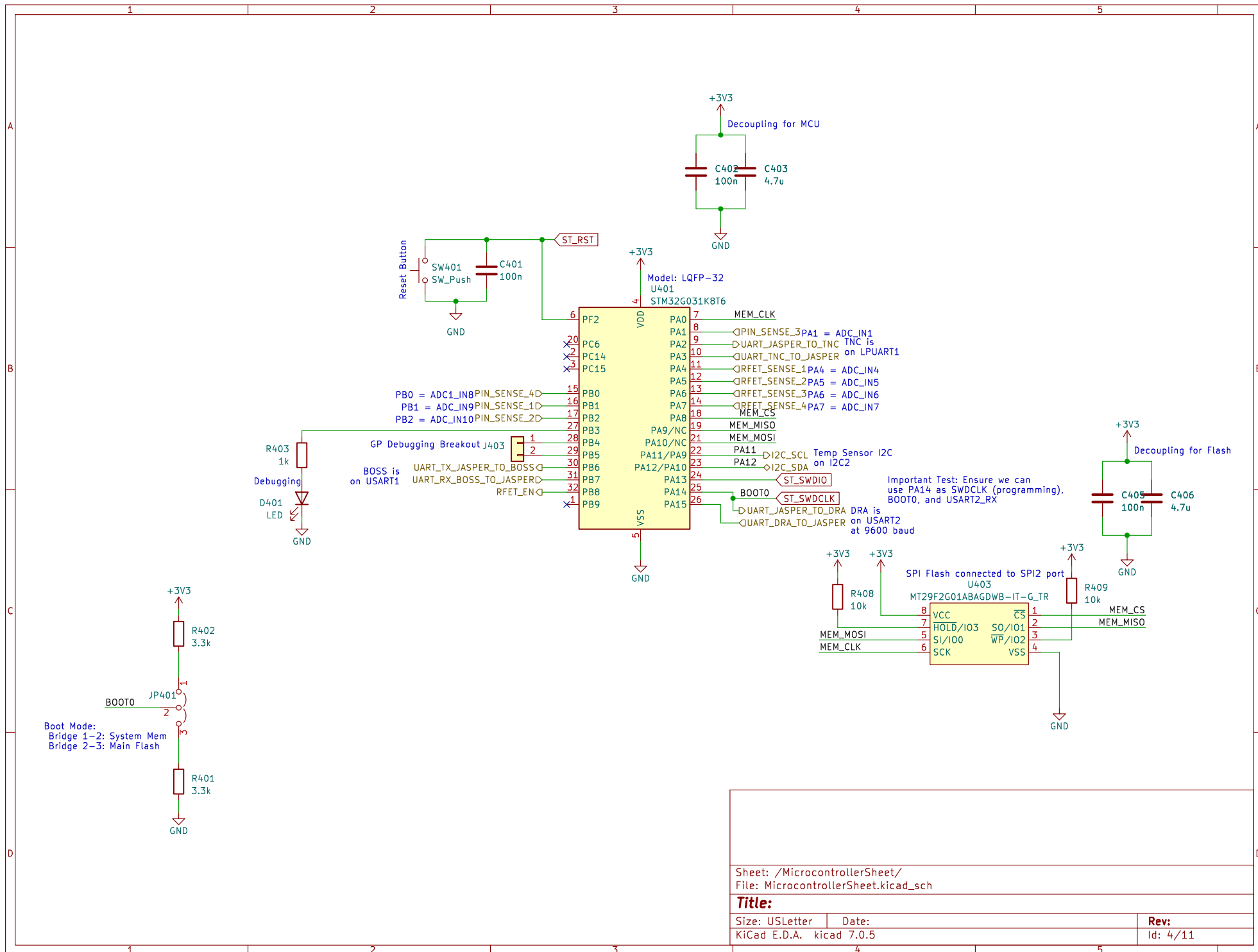
Title:

Size: USLetter Date:

KiCad E.D.A. kicad 7.0.5

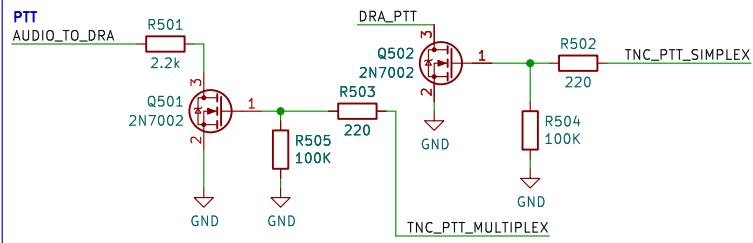
Rev:

Id: 3/11



PTT_SIMPLEX and PTT_MULTIPLEX are Active High from MCU

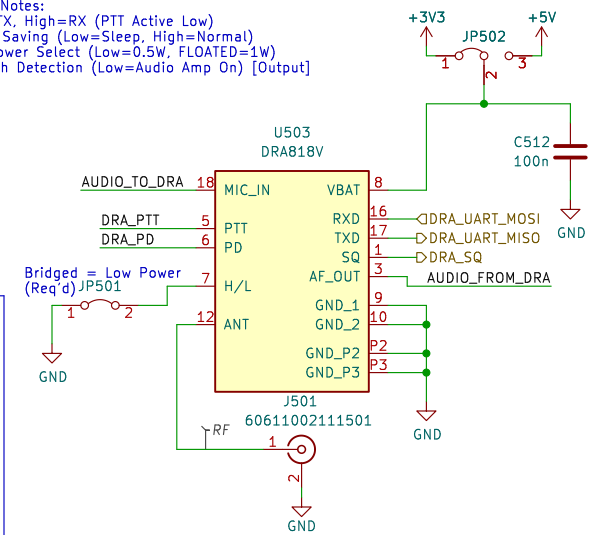
PTT = Push-to-Talk



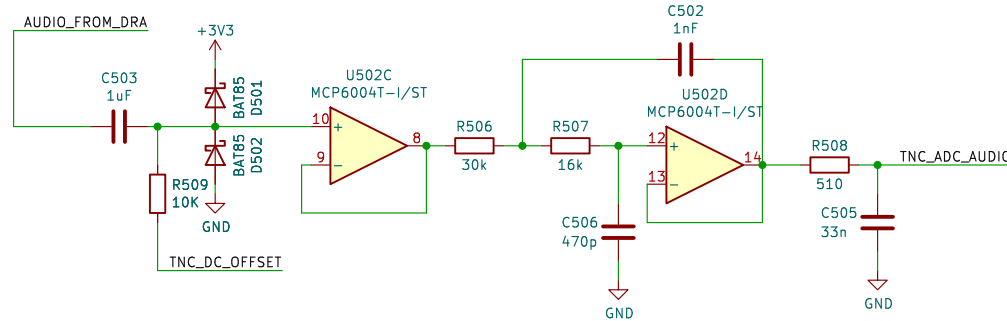
DRA818V Pin Notes:

PTT: Low=TX, High=RX (PTT Active Low)
PD: Power Saving (Low=Sleep, High=Normal)
H/L: RF Power Select (Low=0.5W, FLOATED=1W)
SQ: Squelch Detection (Low=Audio Amp On) [Output]

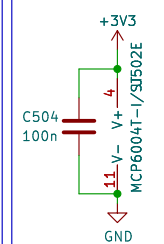
Initial: Jump 1-2 (3V3)



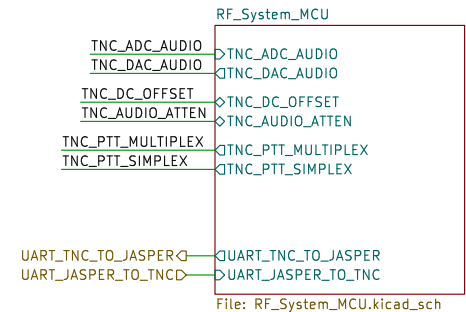
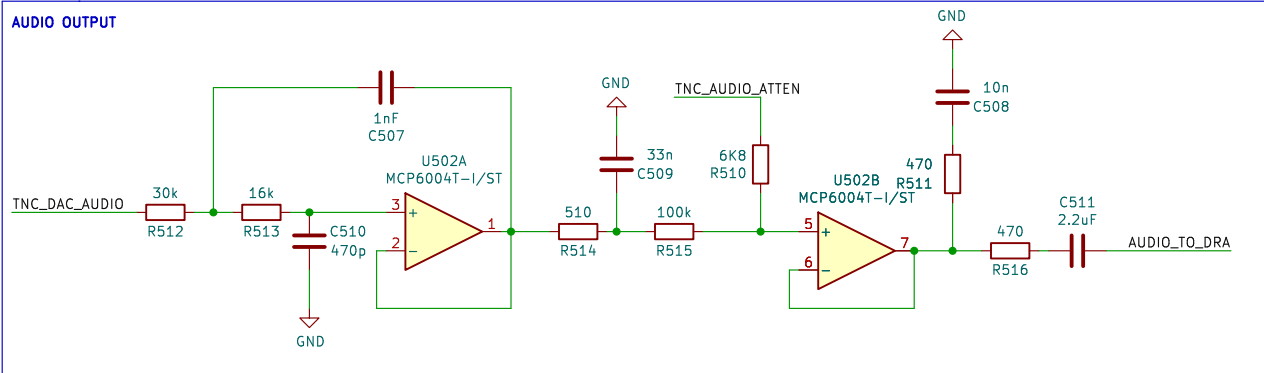
AUDIO INPUT



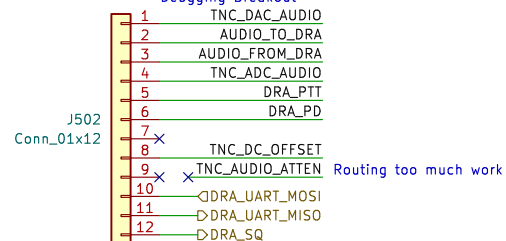
OP AMP POWER



AUDIO OUTPUT



Debugging Breakout

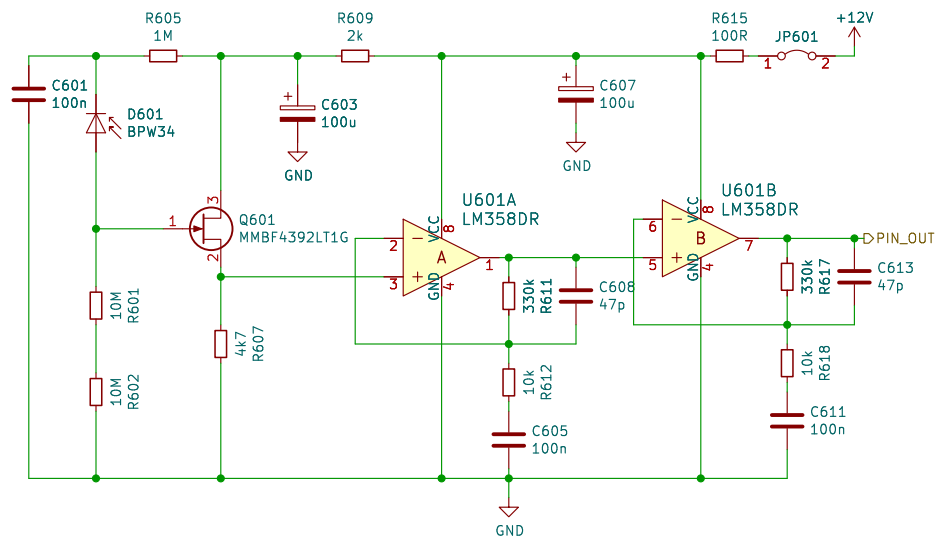


Sheet: /RF_System/
File: RF_System.kicad_sch

Title:

Size: USLetter Date:
KiCad E.D.A. kicad 7.0.5

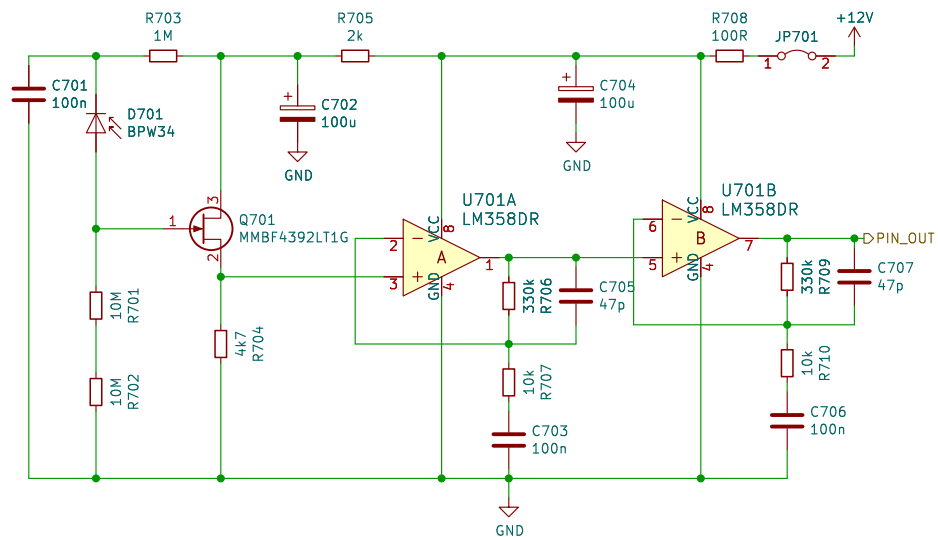
Rev:
Id: 5/11



Sheet: /PINDiodeExperiment1/
File: PINDiodeExperiment.kicad_sch

Title:

Size: USLetter	Date:	Rev:
KiCad E.D.A. kicad 7.0.5		Id: 6/11

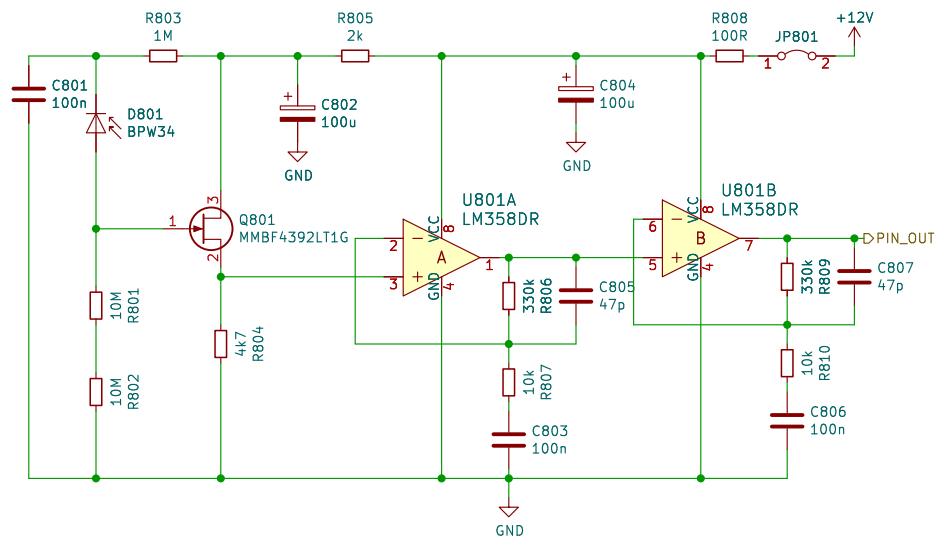


Sheet: /PINDiodeExperiment2/
File: PINDiodeExperiment.kicad_sch

Title:

Size: USLetter Date:
KiCad E.D.A. kicad 7.0.5

Rev:
Id: 7/11

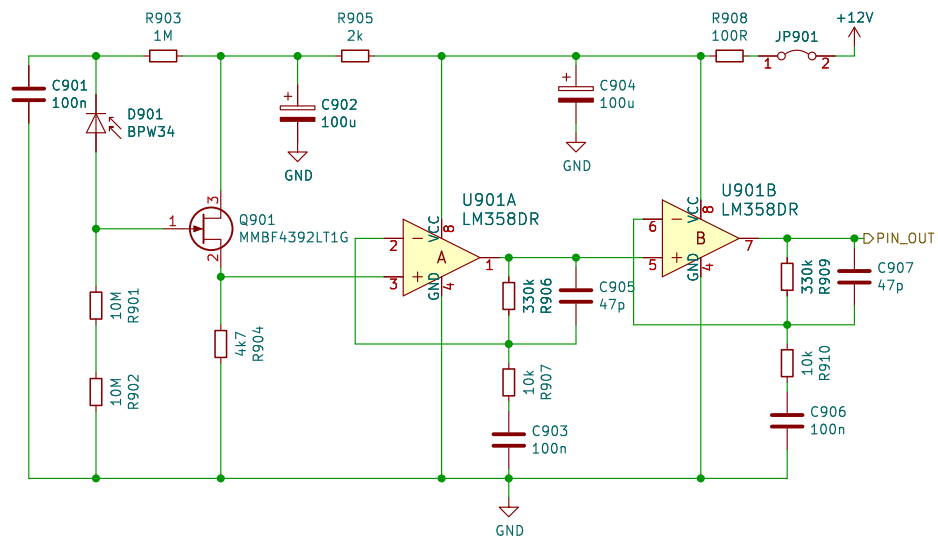


Sheet: /PINDiodeExperiment3/
File: PINDiodeExperiment.kicad_sch

Title:

Size: USLetter Date:
KiCad E.D.A. kicad 7.0.5

Rev:
Id: 8/11

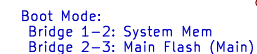
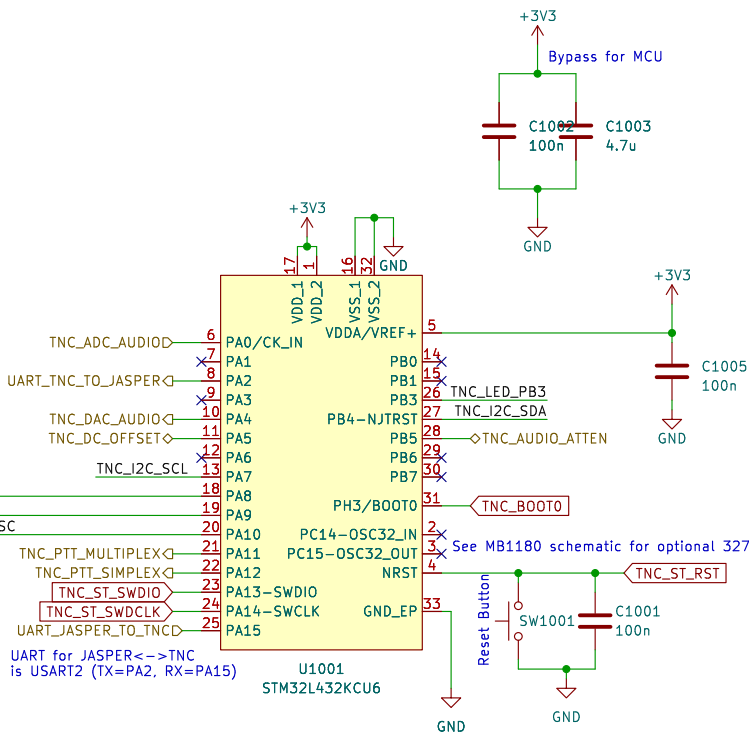


Sheet: /PINDiodeExperiment4/
File: PINDiodeExperiment.kicad_sch

Title:

Size: USLetter Date:
KiCad E.D.A. kicad 7.0.5

Rev:
Id: 9/11



Id: 10/11

