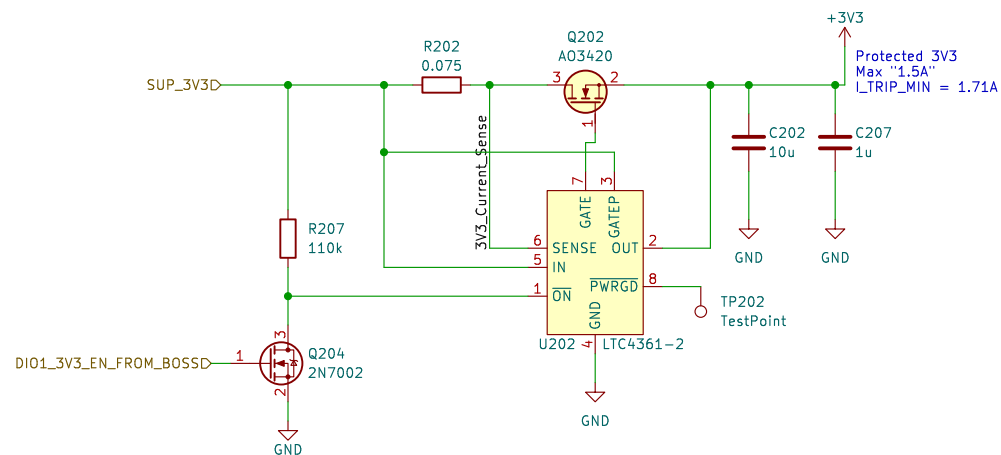
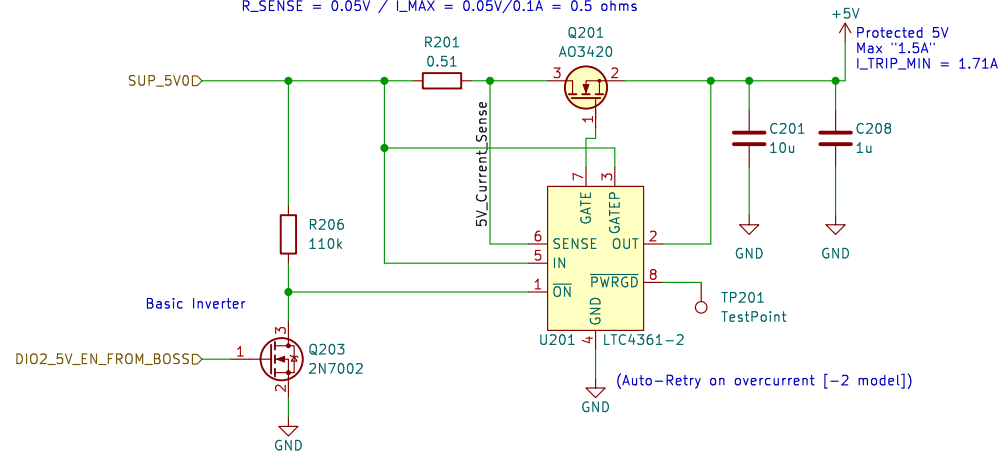


For the LTC4361 (per datasheet page 5):
 $R_{SENSE} = (0.05V) / I_{SENSE}$

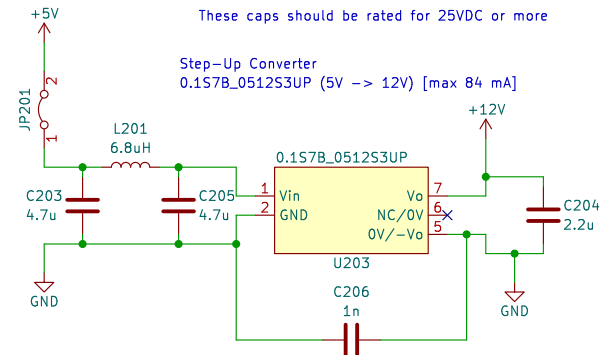
5V Current Limit:
 Max Power = 0.5W (good for experiment safety)
 Max Current (at 5V) = $0.5W / 5V = 0.1A$
 $R_{SENSE} = 0.05V / I_{MAX} = 0.05V/0.1A = 0.5\text{ ohms}$



3V3 Current Limit:
 Max Power = 2W (a little over the 1.75W max)
 Max Current (at 3V3) = $2W/3V3 = 0.61A$
 $R_SENSE = 0.05V / I_MAX = 0.05V/0.61A = 0.081\ ohms$
 0.075 ohms => 0.66A => 2.2W

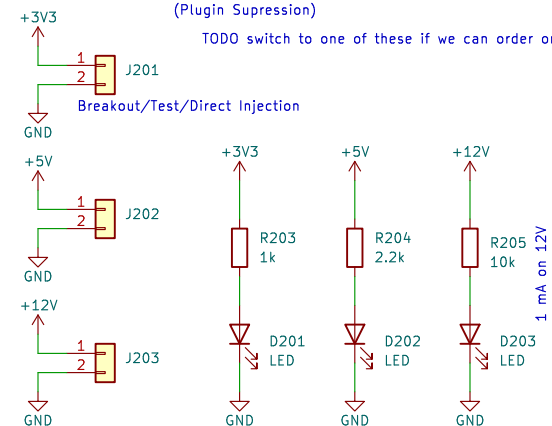
These caps should be rated for 25VDC or more

Step-Up Converter
0.1S7B_0512S3UP (5V → 12V) [max 84 mA]



C206 should be 4kVDC
Vishay HGZ102MBP
TDK CD45-E2GA102M-GKA
(Plugin Supression)

TODO switch to one of these if we can order one

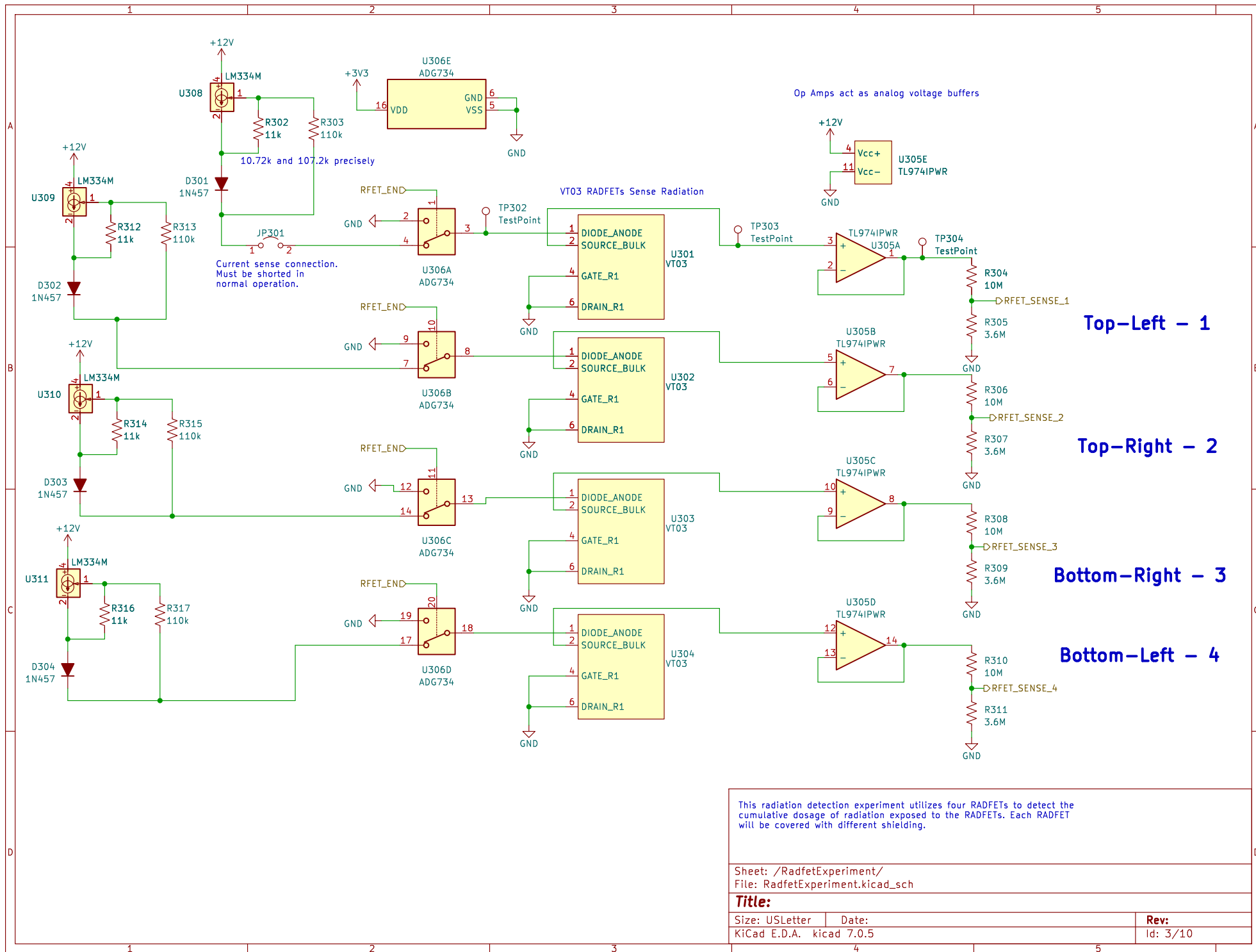


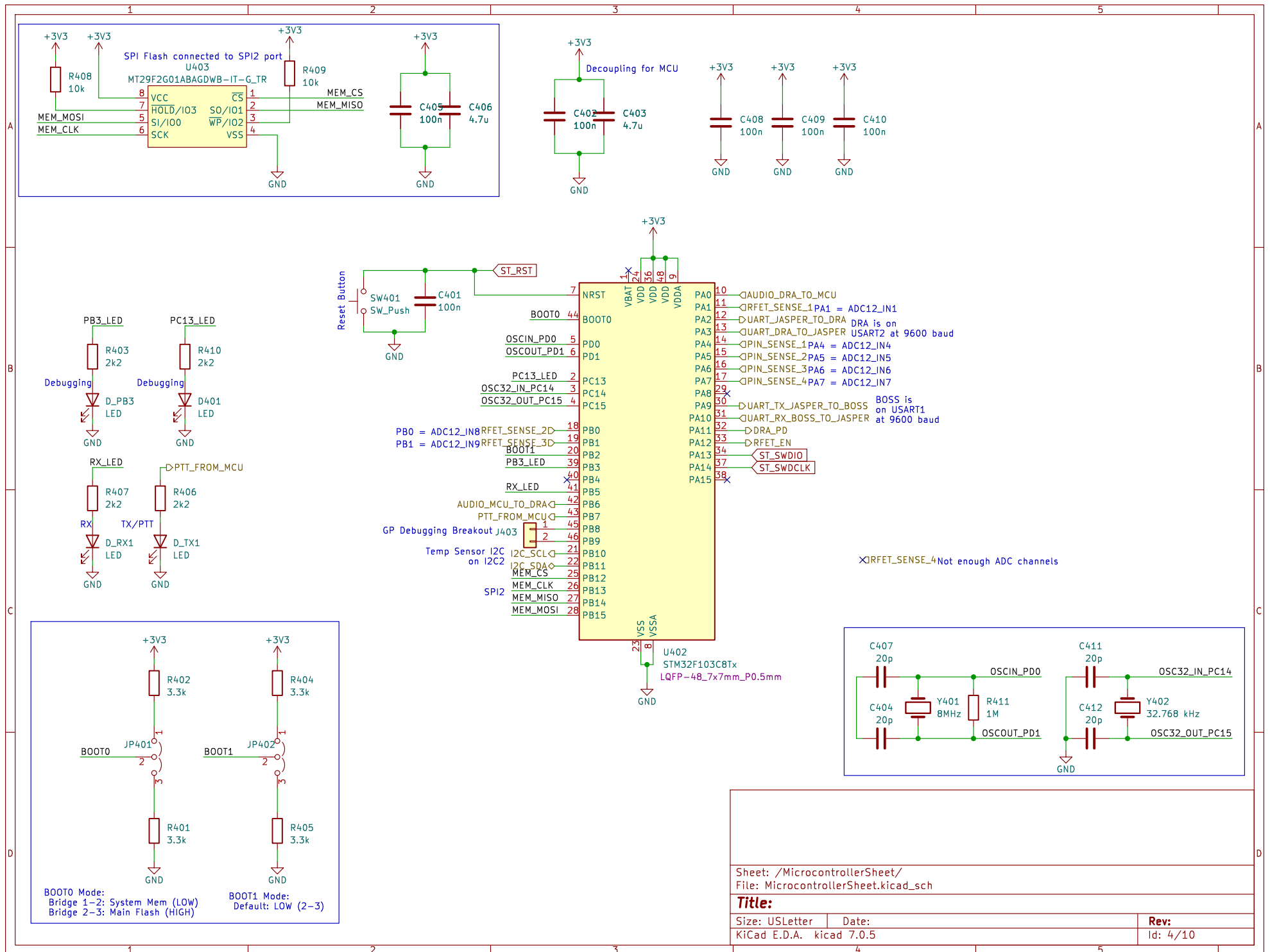
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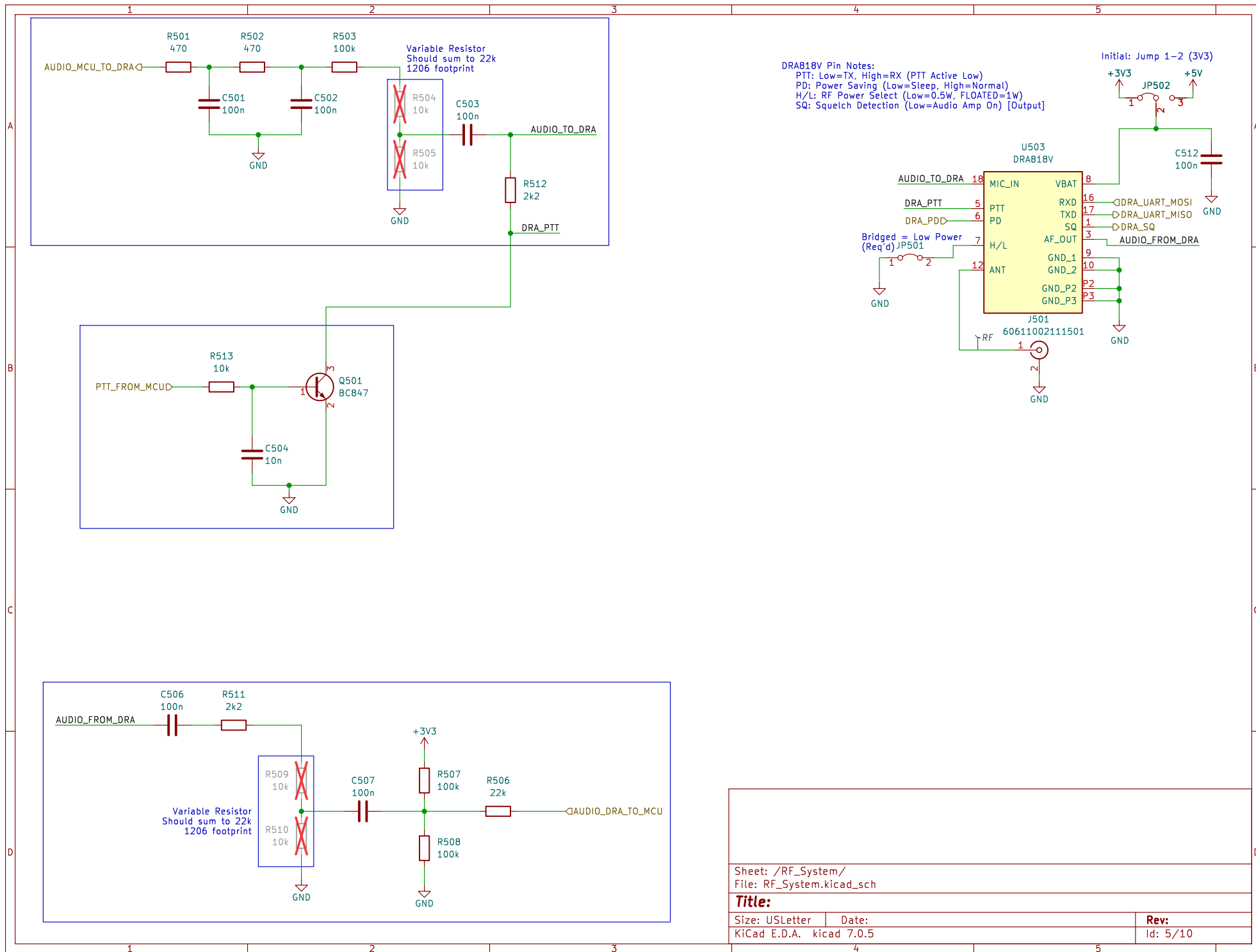
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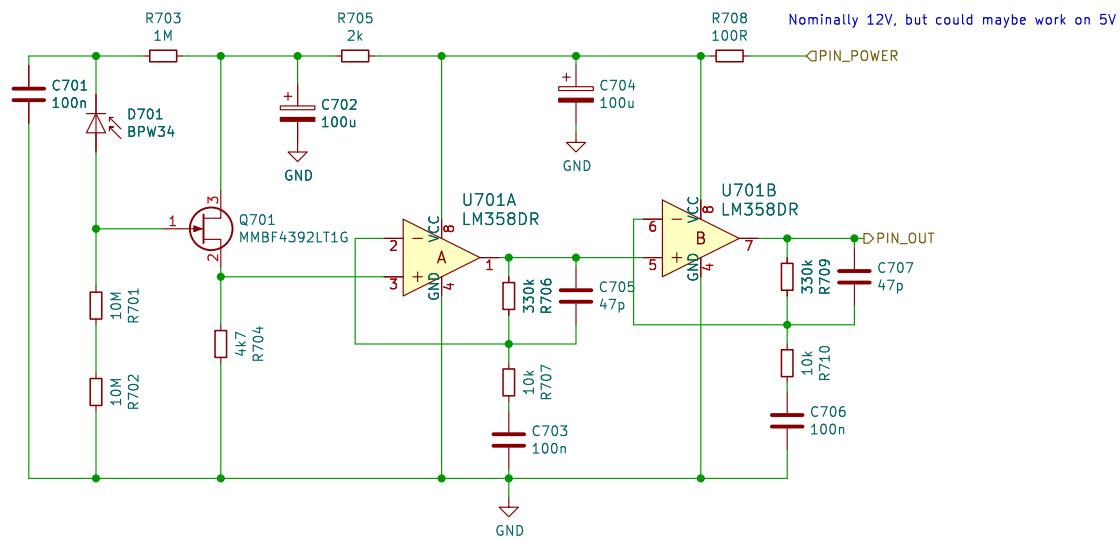
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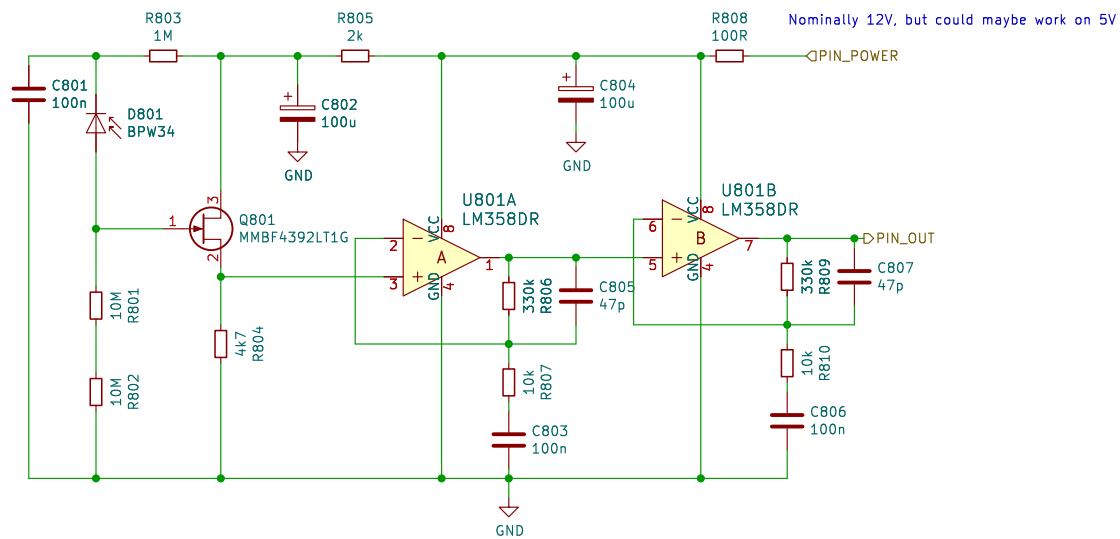
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Rev:

Id: 7/10

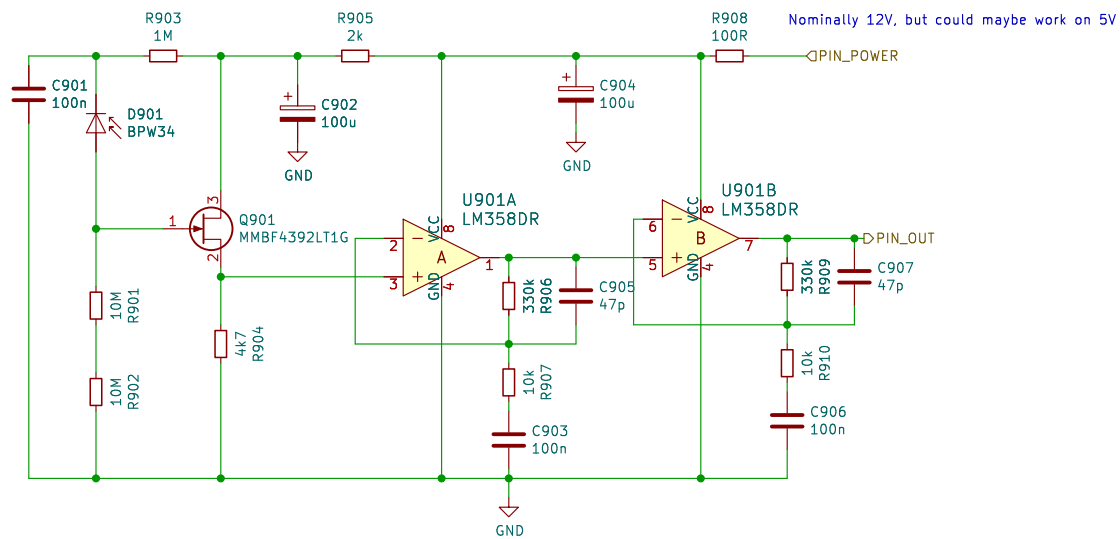


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Rev:
Id: 8/10



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