

RadioRepeater

Variant: [No Variations]

08.12.2021
v1.0

DRAFT

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DESIGN CONSIDERATIONS

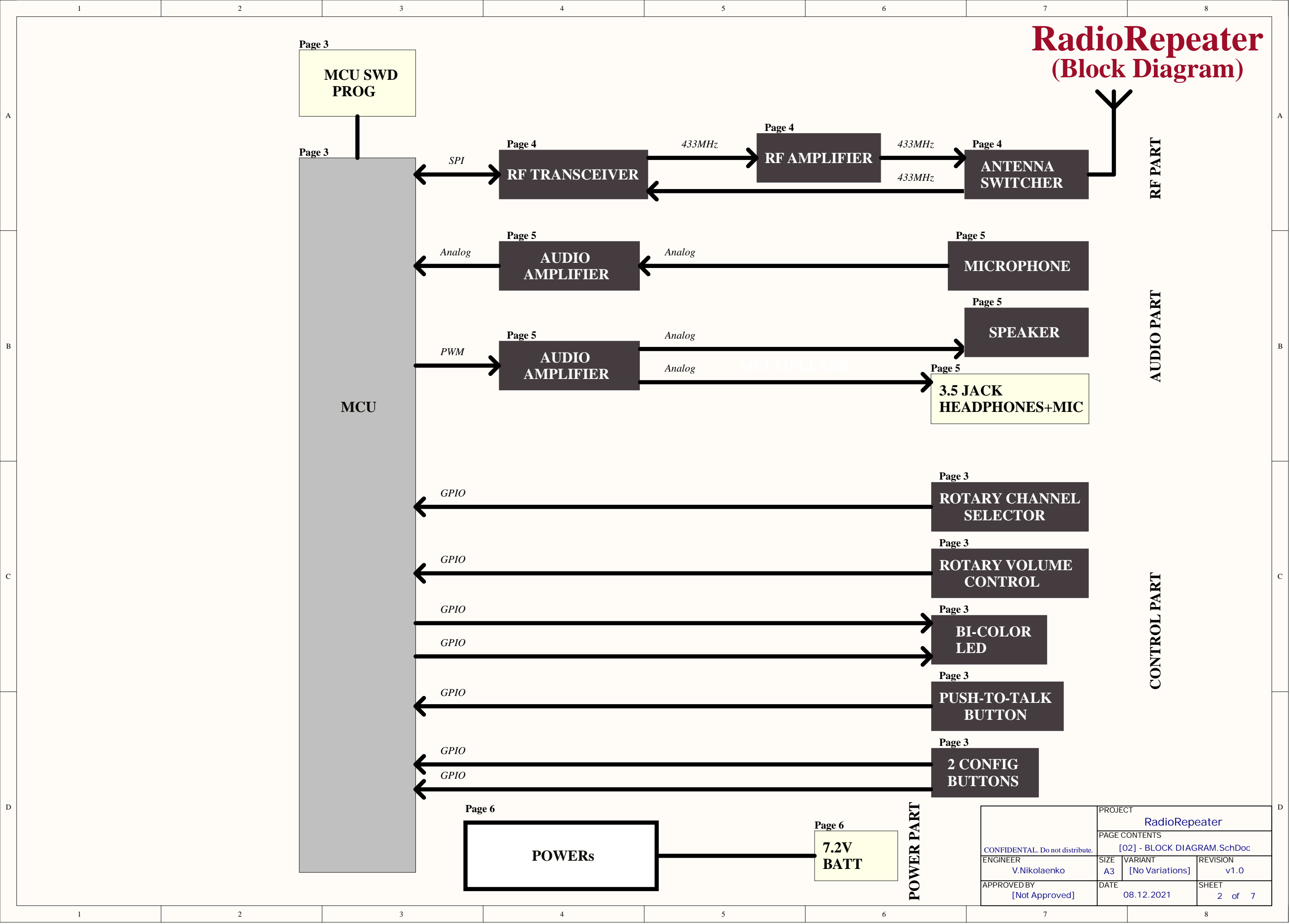
DESIGN NOTE:
Example text for informational
design notes .

DESIGN NOTE:
Example text for critical
design notes.

DESIGN NOTE:
Example text for cautionary
design notes.

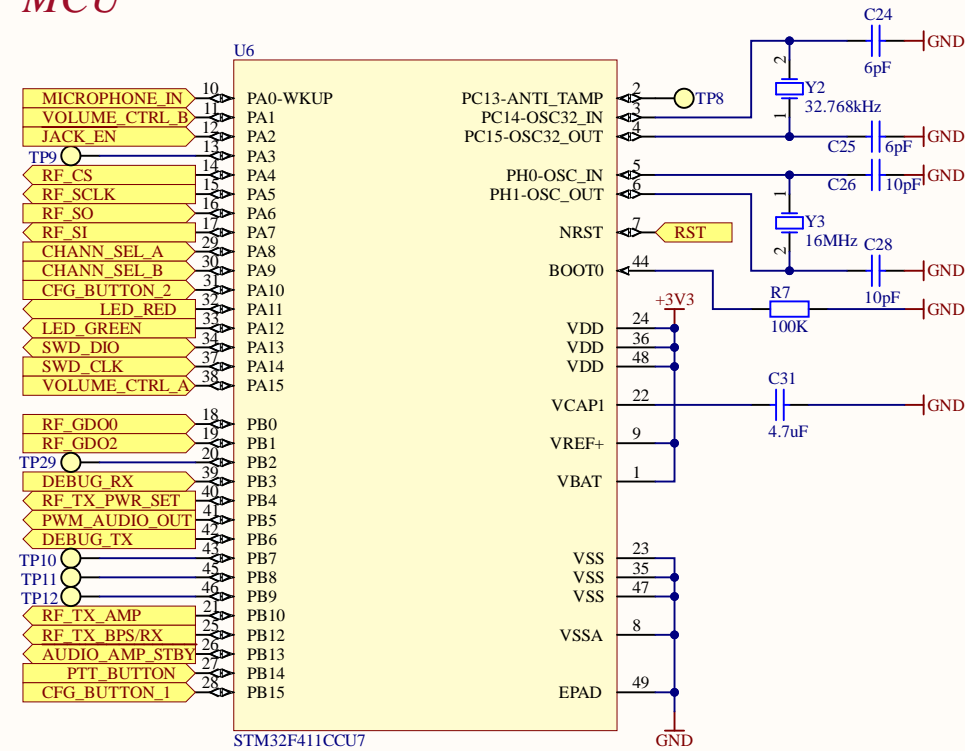
LAYOUT NOTE:
Example text for critical
layout guidelines.

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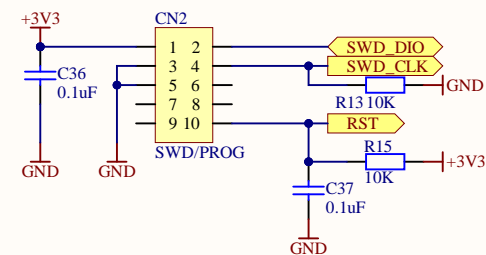


MCU, CONTROLS

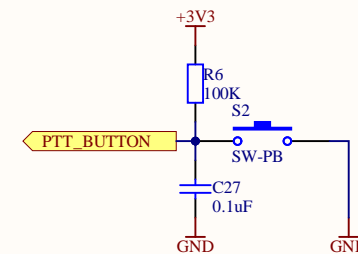
MCU



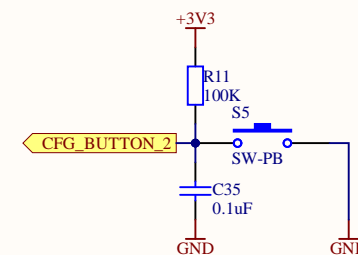
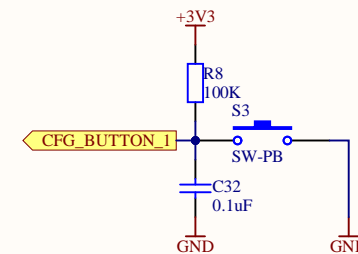
SWD Connector



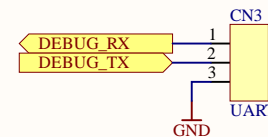
Push-To-Talk Button



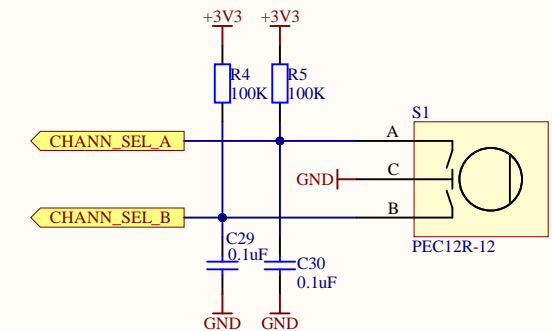
Config Buttons



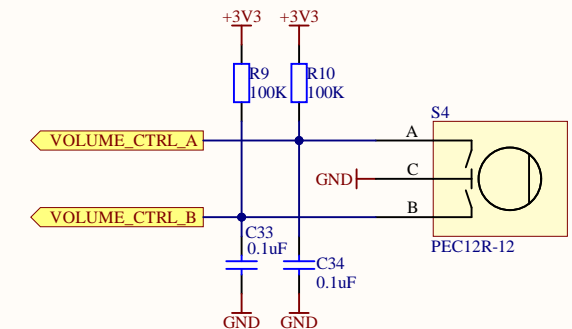
Debug UART



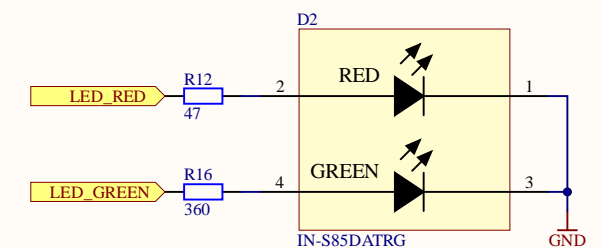
Channel Selector



Volume Control



2-Color LED



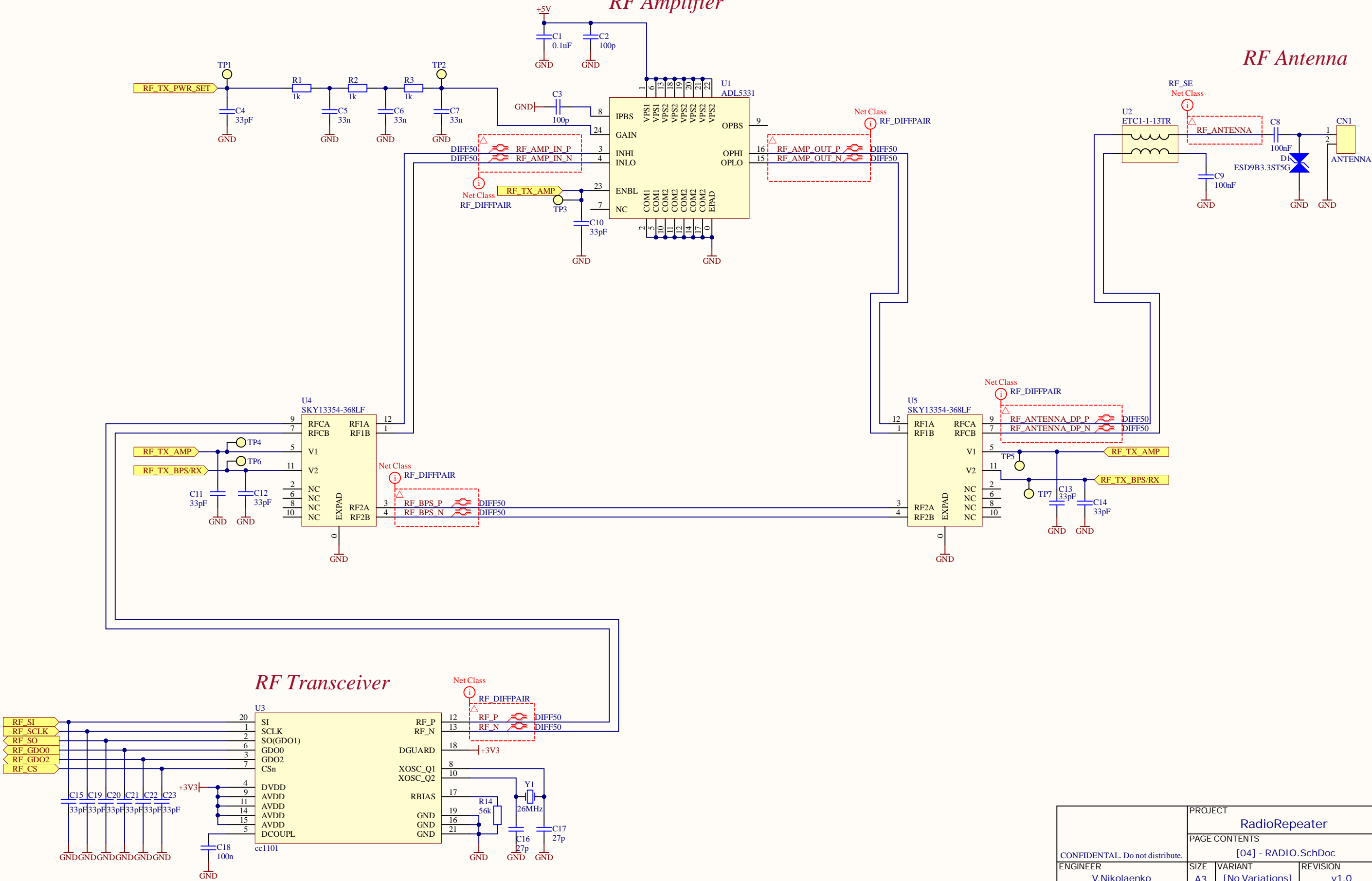
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RF

RF Amplifier

RF Antenna

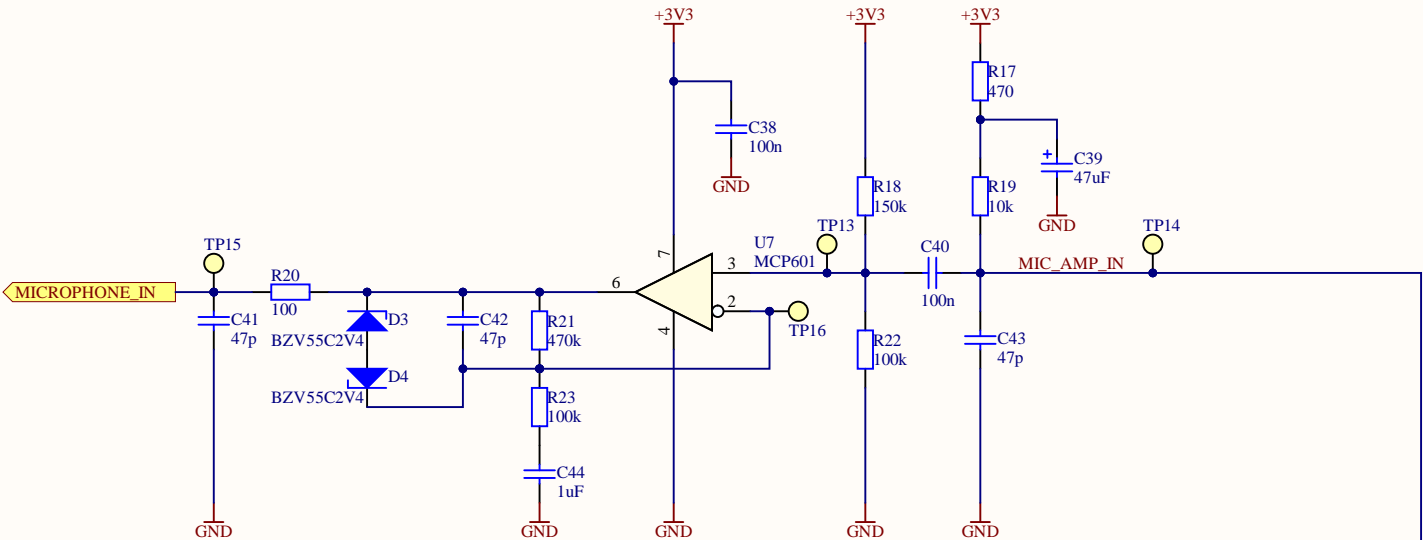
RF Transceiver



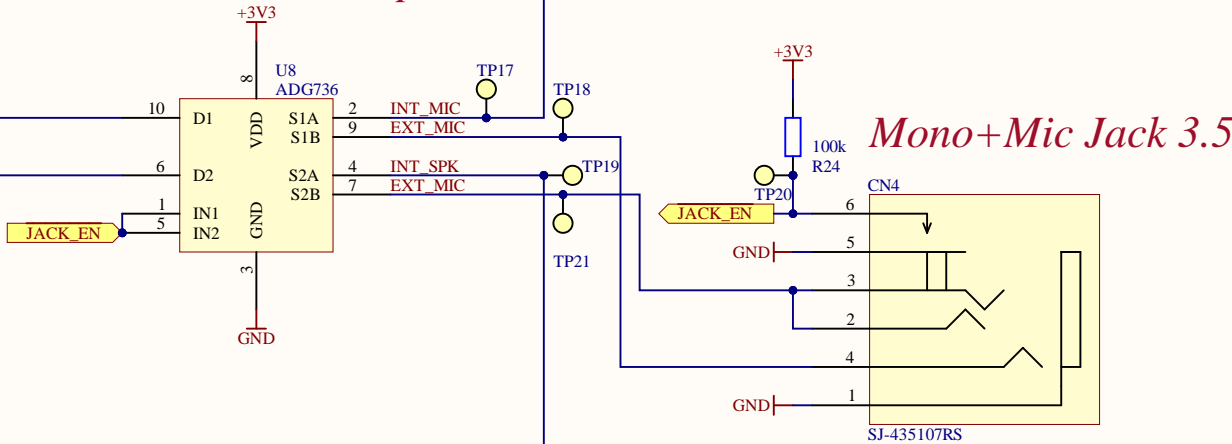
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AUDIO

Microphone Amplifier

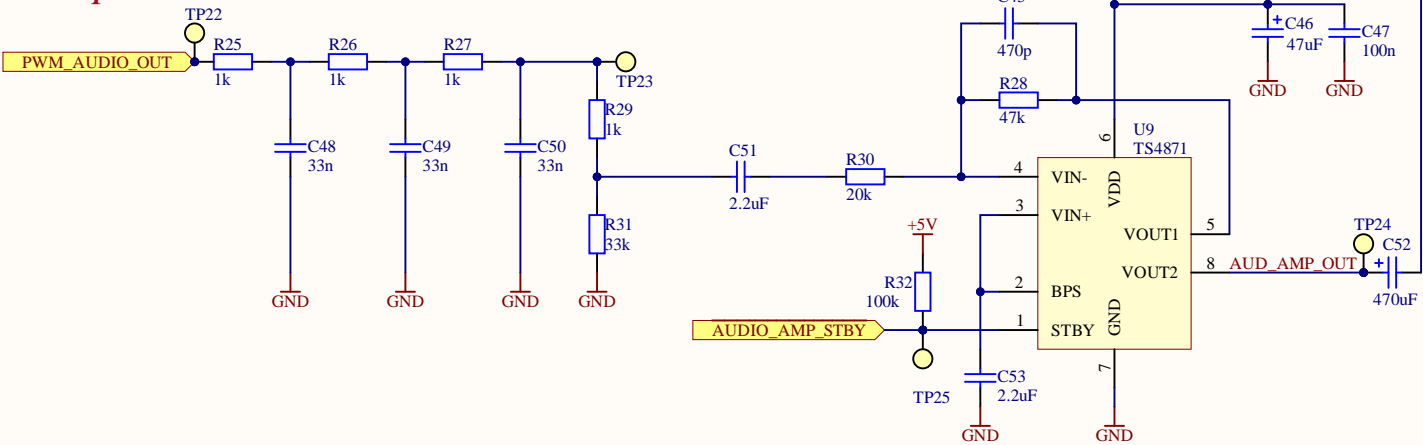


Audio and Mic Multiplexer

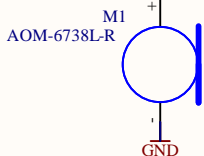


Output Amplifier

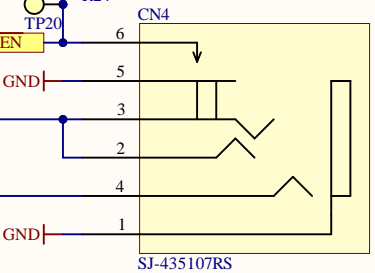
Low-pass Filter



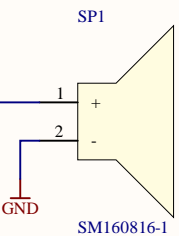
Integrated Mic



Mono+Mic Jack 3.5



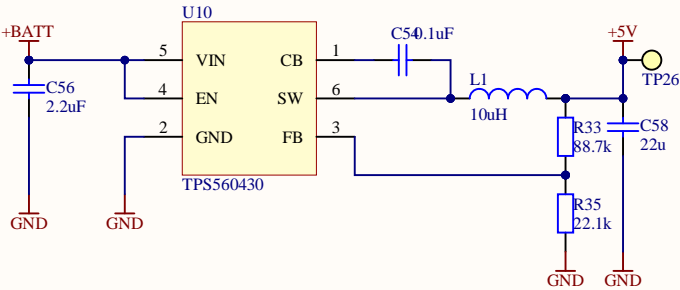
Integrated Speaker



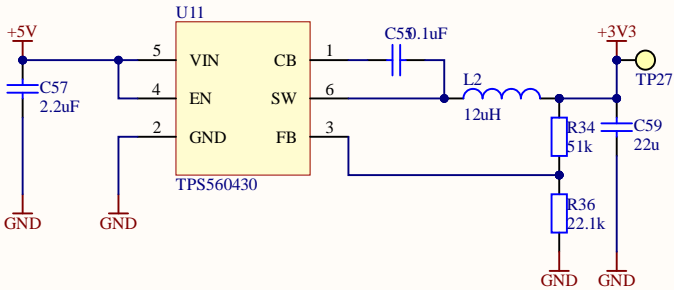
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POWER

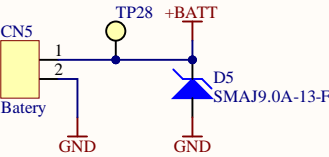
5V Source



3.3V Source

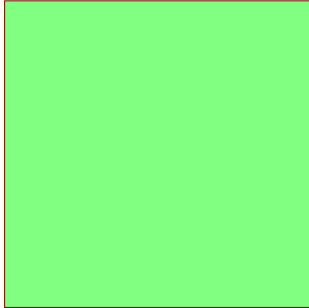


Battery Connector

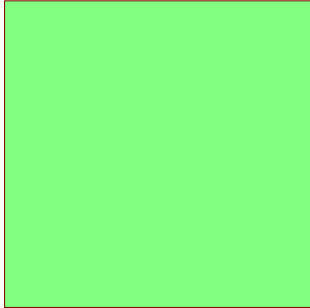


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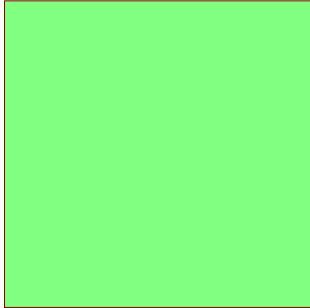
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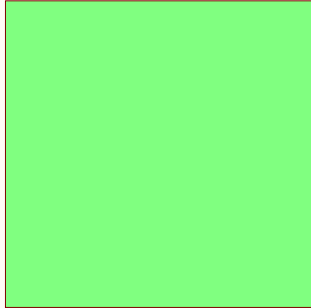
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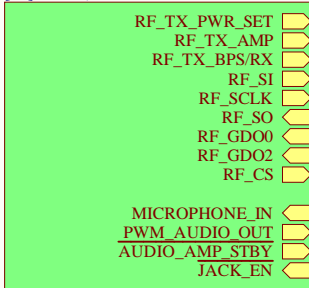
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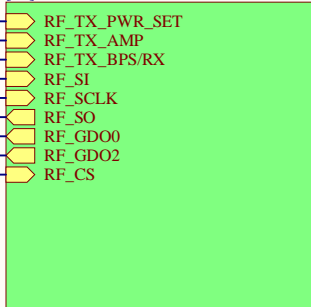
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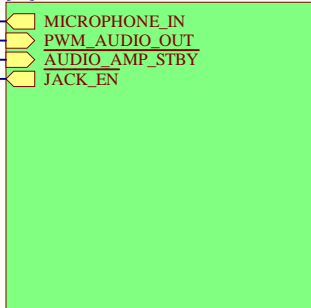
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