

RadioRepeater

Variant: [No Variations]

08.12.2021
v1.0

DRAFT

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DESIGN CONSIDERATIONS

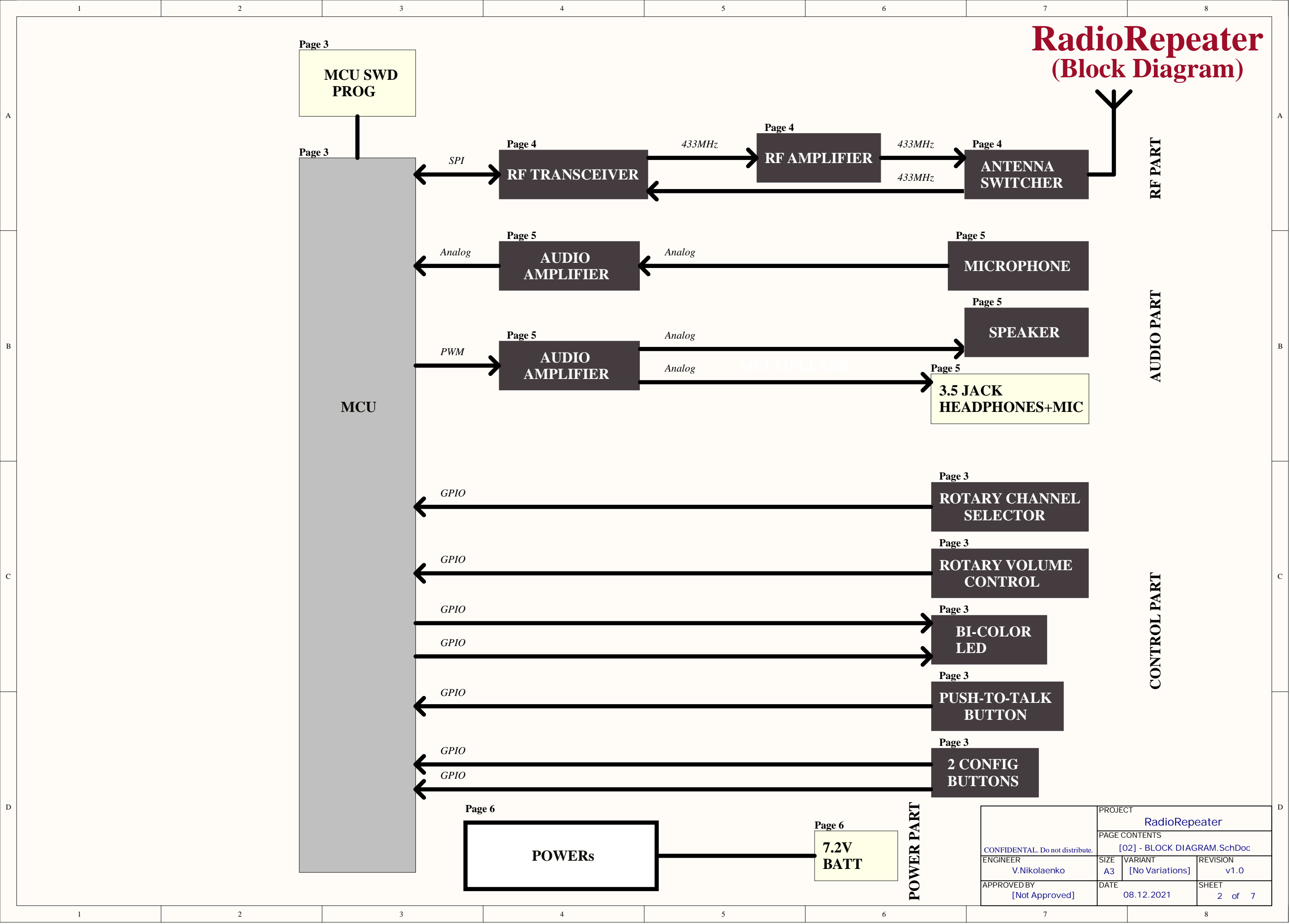
DESIGN NOTE:
Example text for informational
design notes .

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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A

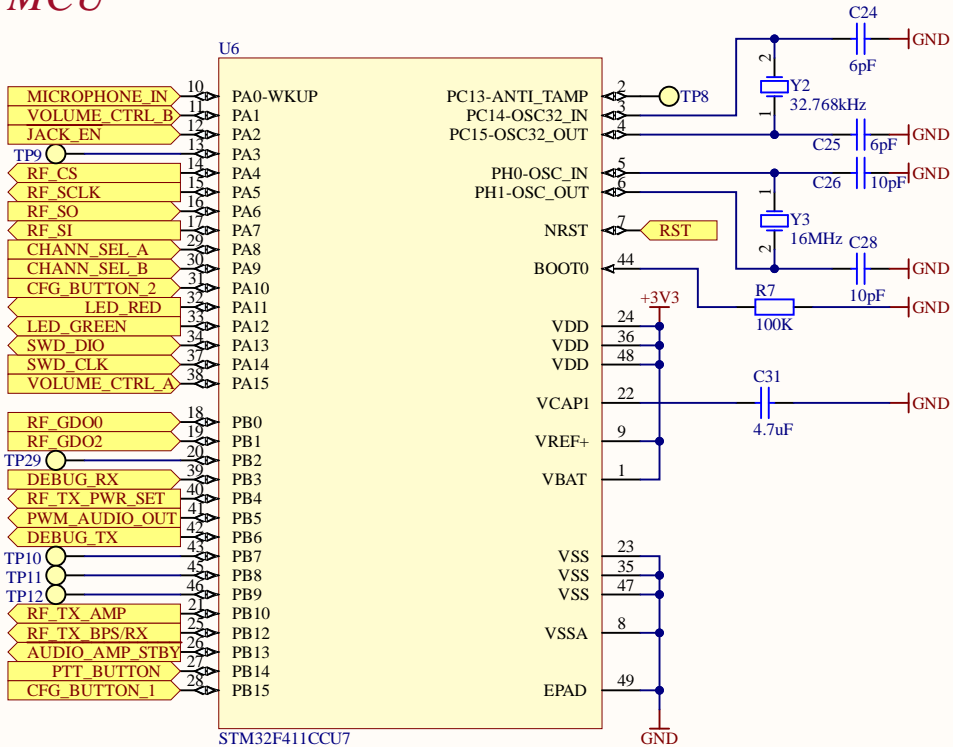
B

C

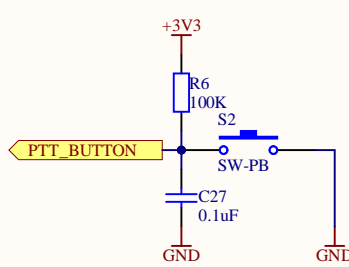
D

MCU, CONTROLS

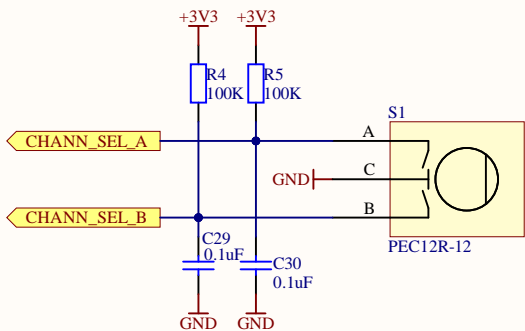
MCU



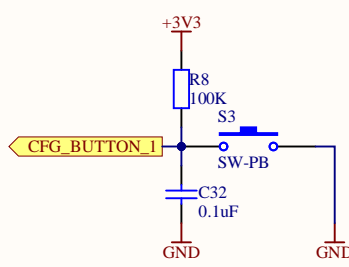
Push-To-Talk Button



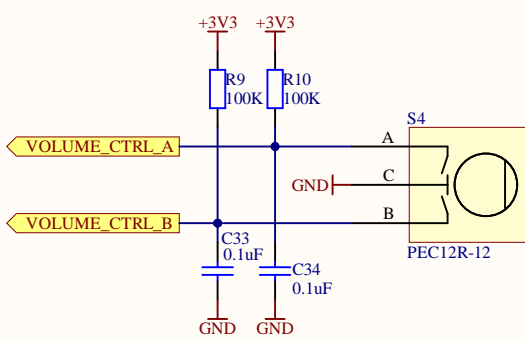
Channel Selector



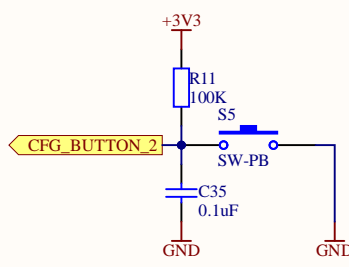
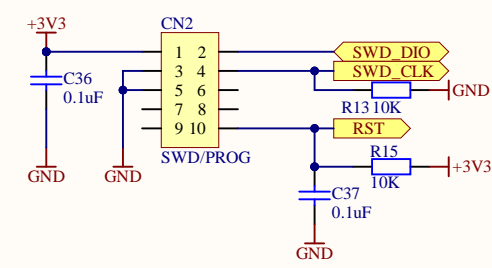
Config Buttons



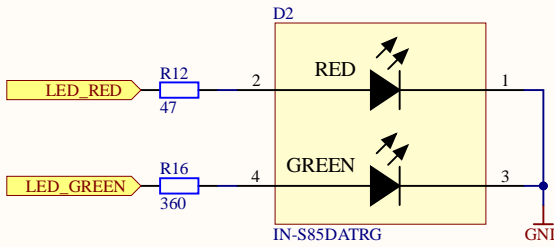
Volume Control



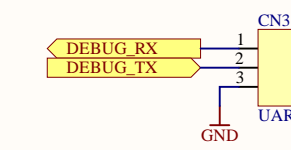
SWD Connector



2-Color LED



Debug UART



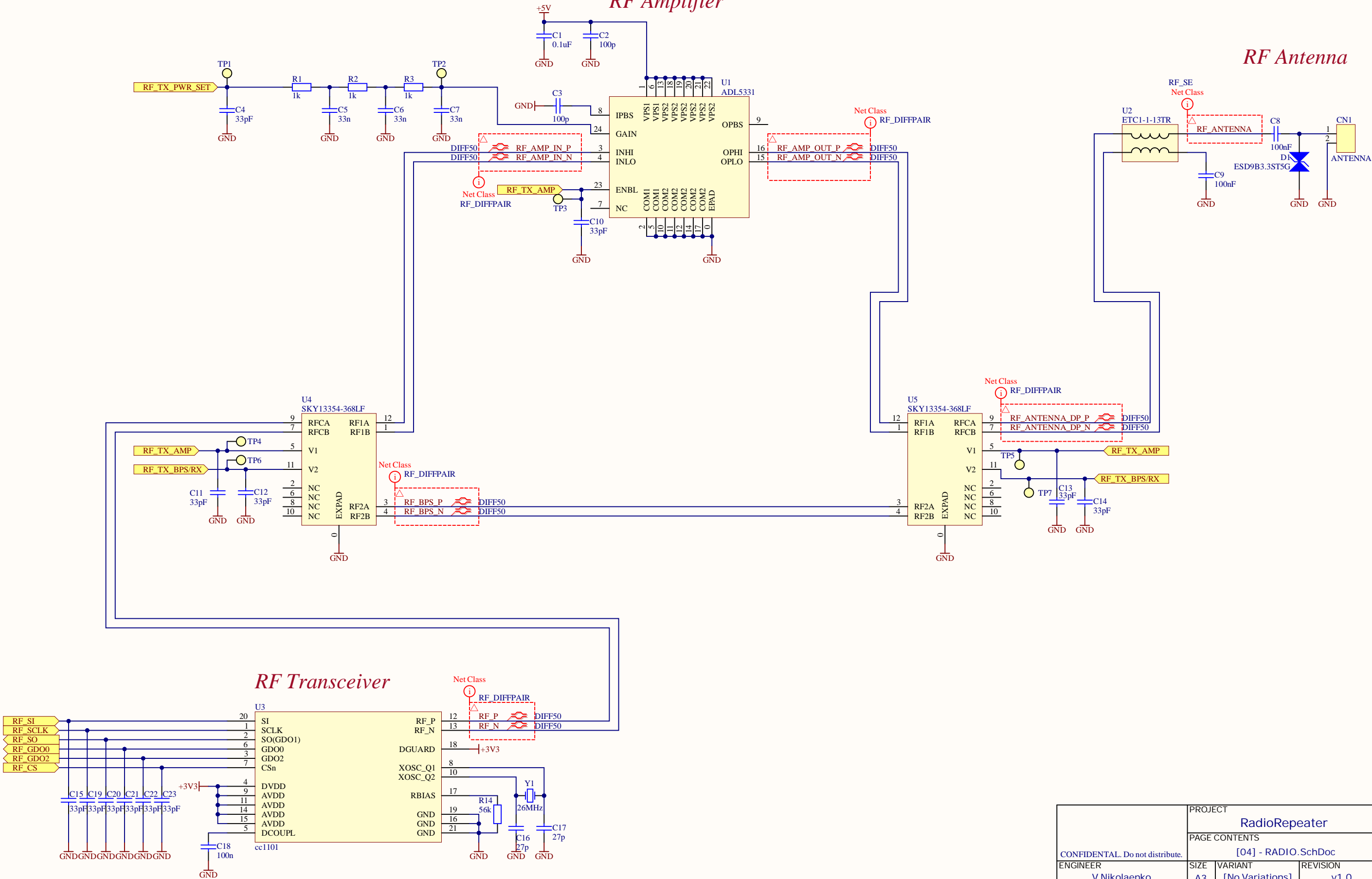
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APPROVED BY		SIZE	VARIANT
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RF

RF Amplifier

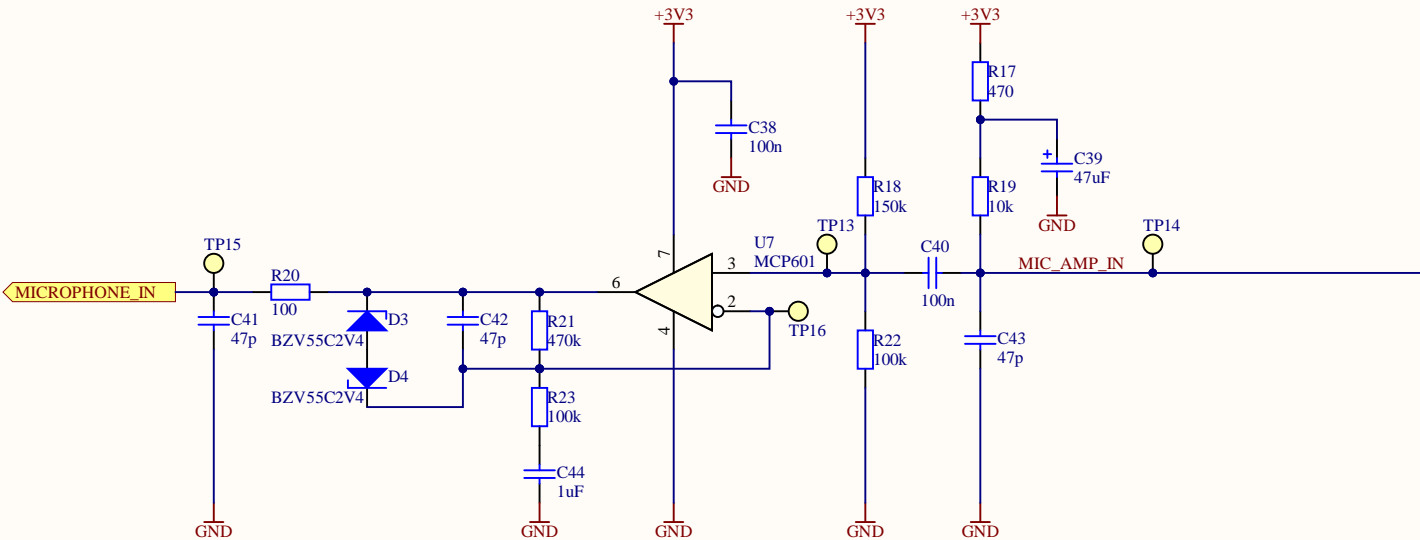
RF Antenna

RF Transceiver

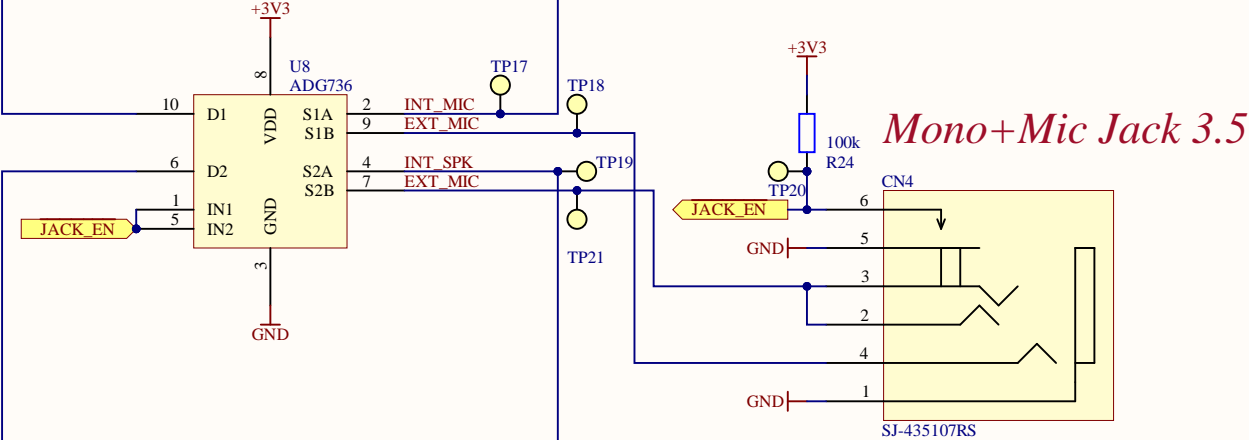


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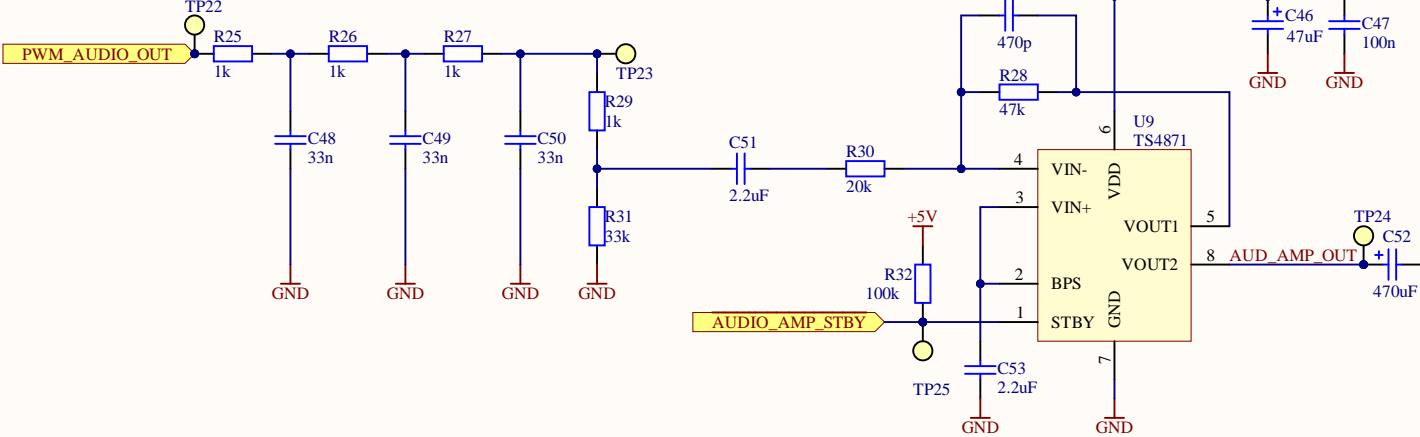
Microphone Amplifier



Audio and Mic Multiplexer

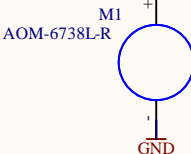


Low-pass Filter

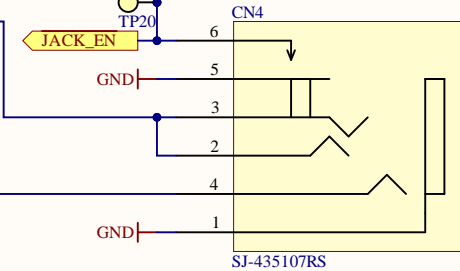


Output Amplifier

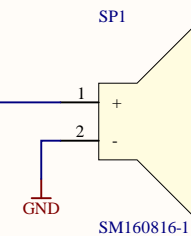
Integrated Mic



Mono+Mic Jack 3.5



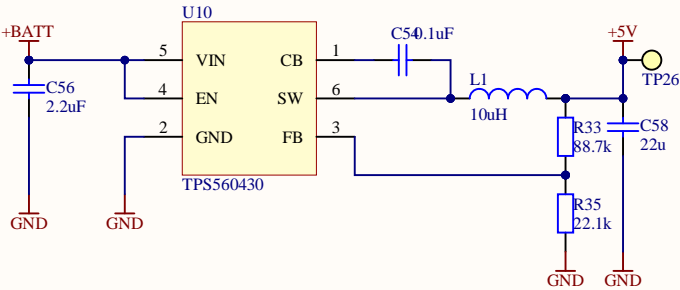
Integrated Speaker



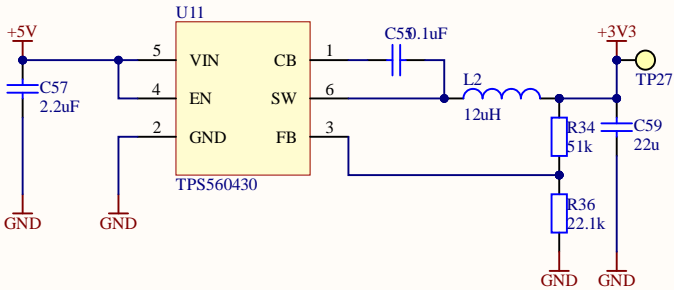
CONFIDENTIAL. Do not distribute. ENGINEER V.Nikolaenko APPROVED BY [Not Approved]	PROJECT RadioRepeater		
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POWER

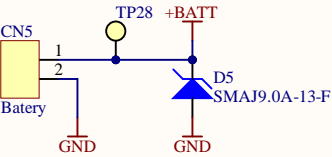
5V Source



3.3V Source



Battery Connector



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