

12345678

A

# RadioRepeater

## Variant: [No Variations]

01.01.2018

v1.0

B

DRAFT

B

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C

DESIGN CONSIDERATIONS

DESIGN NOTE:  
Example text for informational  
design notes .

DESIGN NOTE:  
Example text for critical  
design notes.

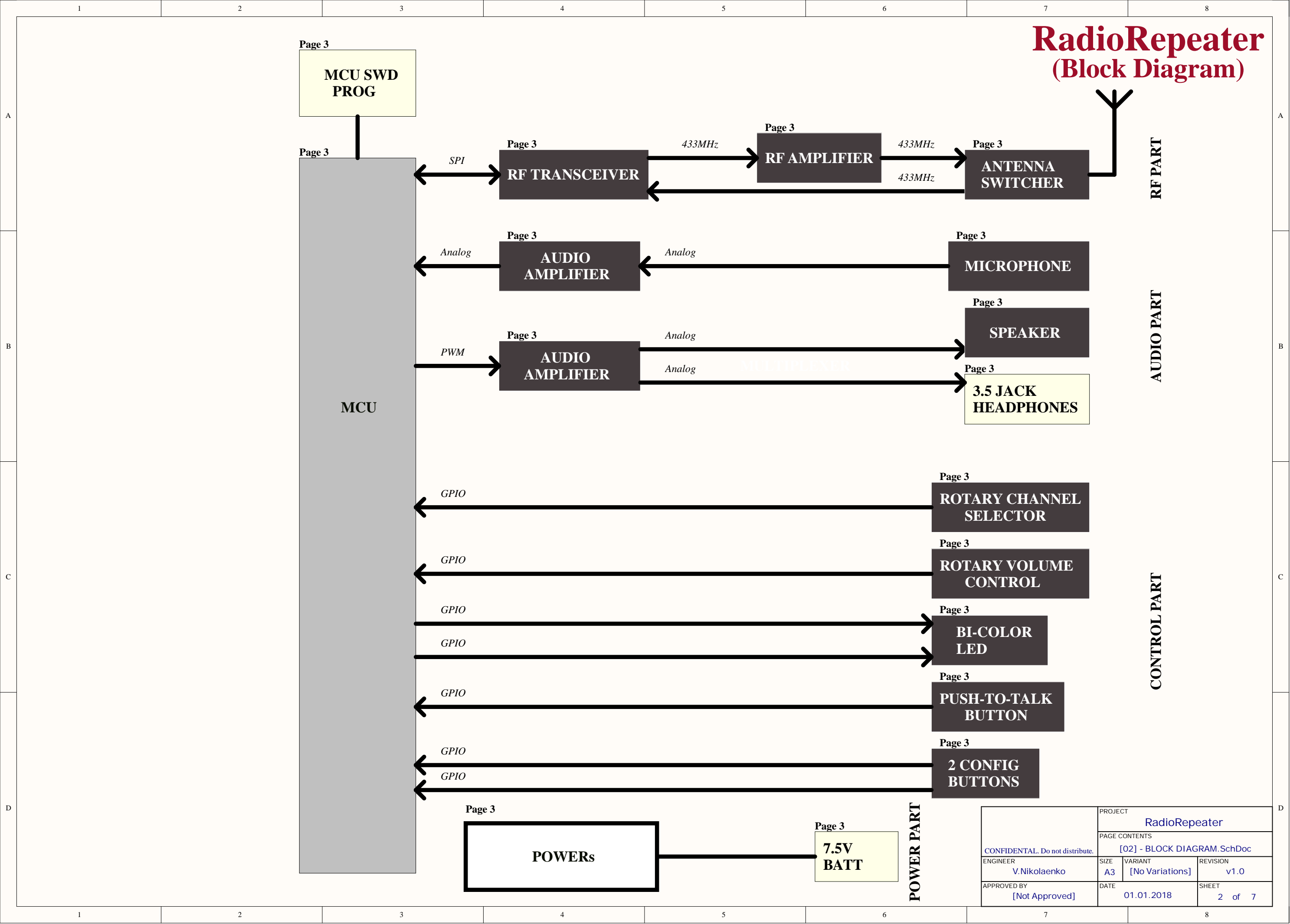
DESIGN NOTE:  
Example text for cautionary  
design notes.

LAYOUT NOTE:  
Example text for critical  
layout guidelines.

D

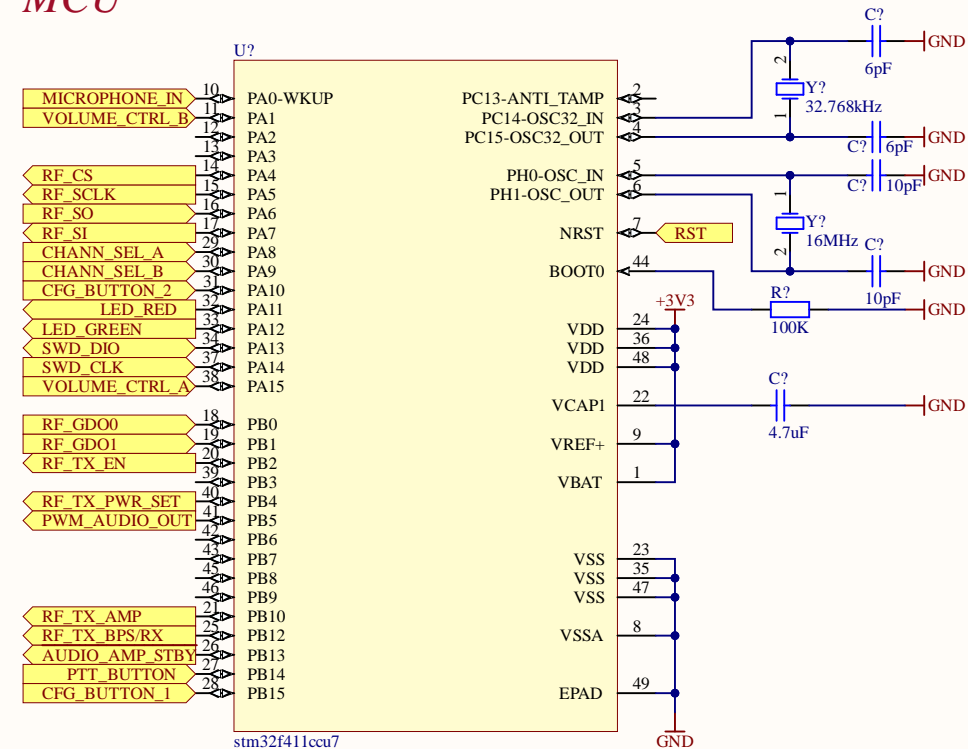
		PROJECT		RadioRepeater	
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CONFIDENTIAL. Do not distribute.		SIZE	VARIANT	REVISION	
ENGINEER V.Nikolaenko		A3	[No Variations]	v1.0	
APPROVED BY [Not Approved]		DATE	01.01.2018		SHEET 1 of 7

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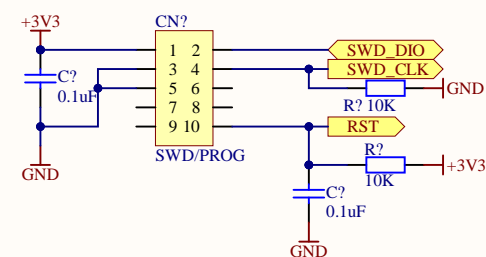


## MCU, CONTROLS

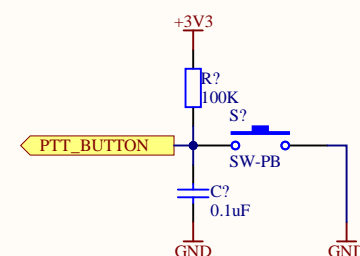
*MCU*



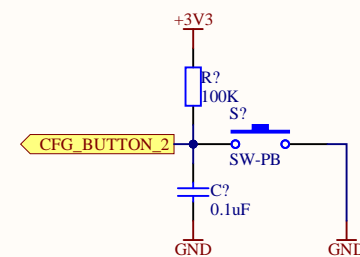
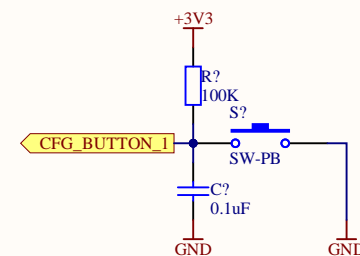
## SWD Connector



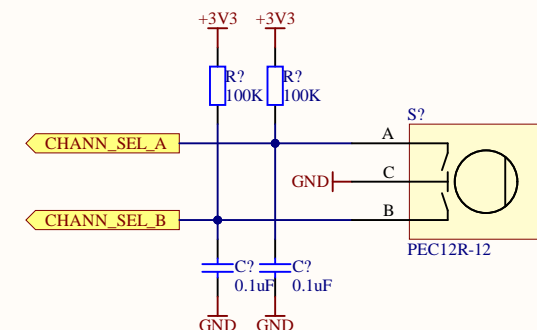
### Push-To-Talk Button



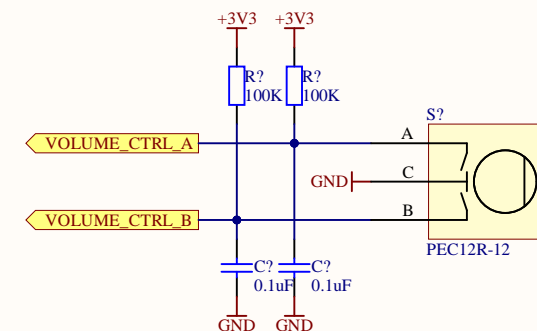
## Config Buttons



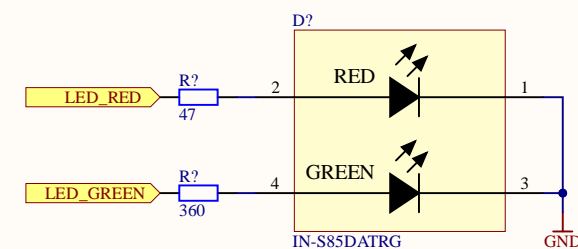
## Channel Selector



## Volume Control

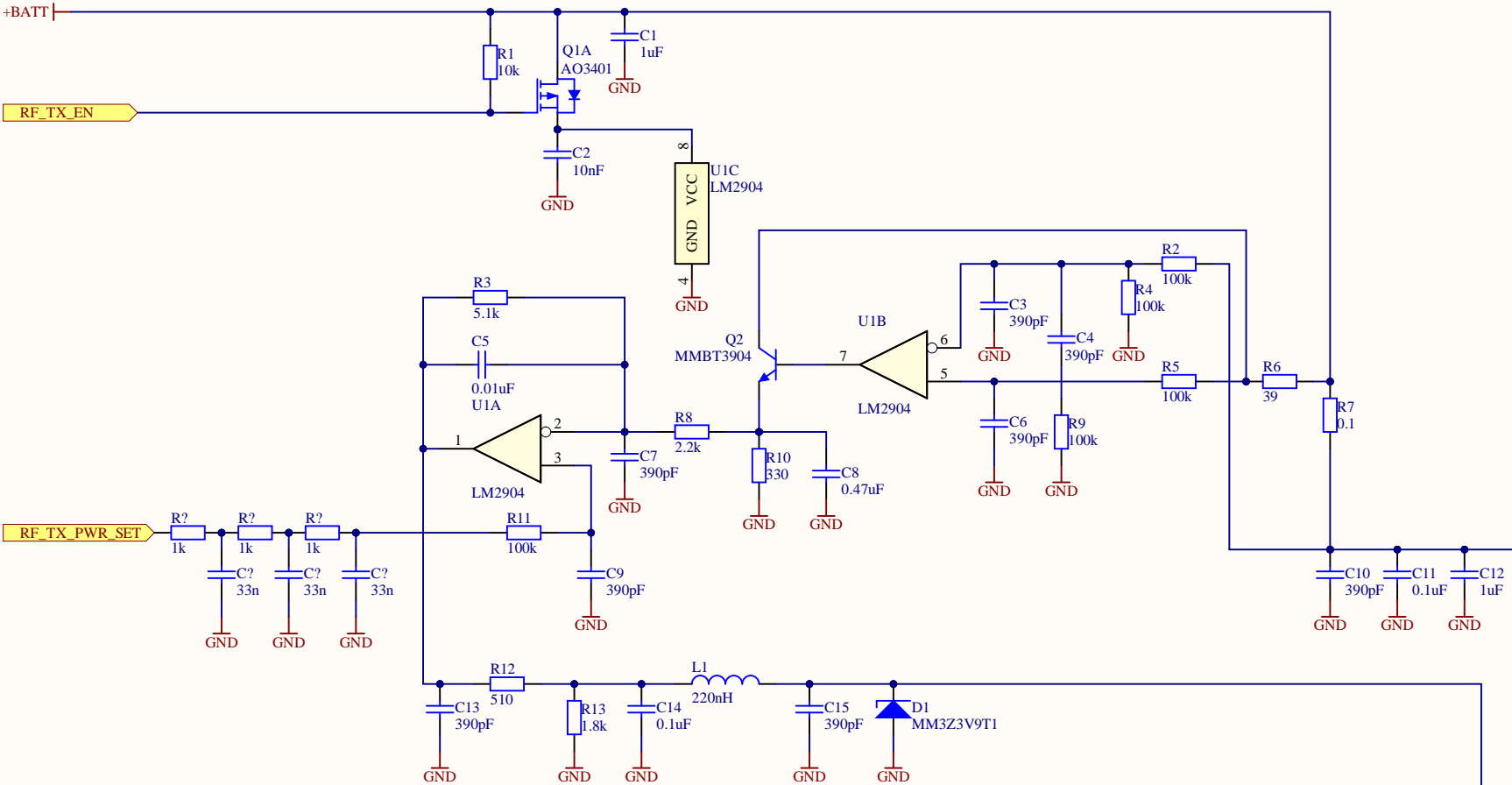


## 2-Color LED

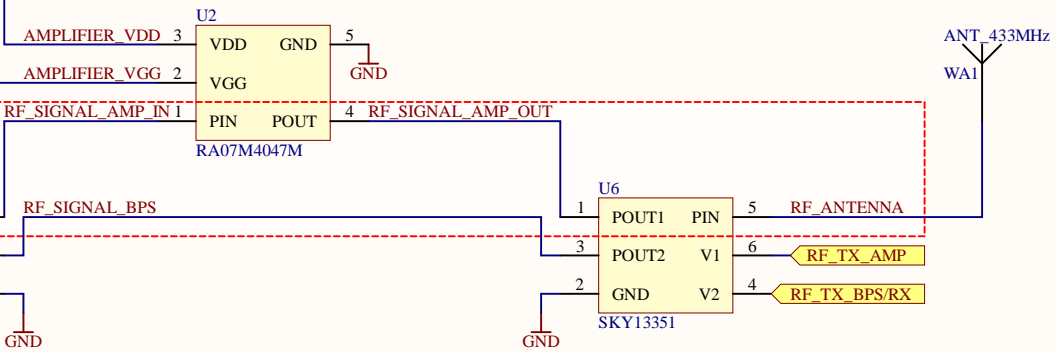


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APPROVED BY	DATE		SHEET
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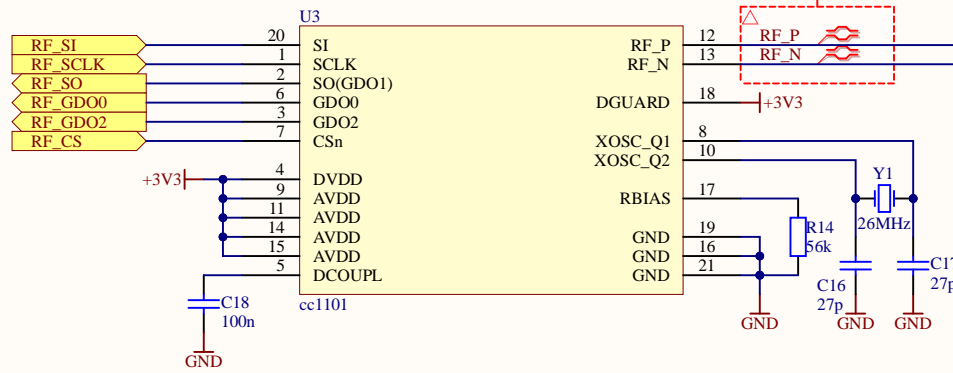
RF Power Control



RF Amplifier

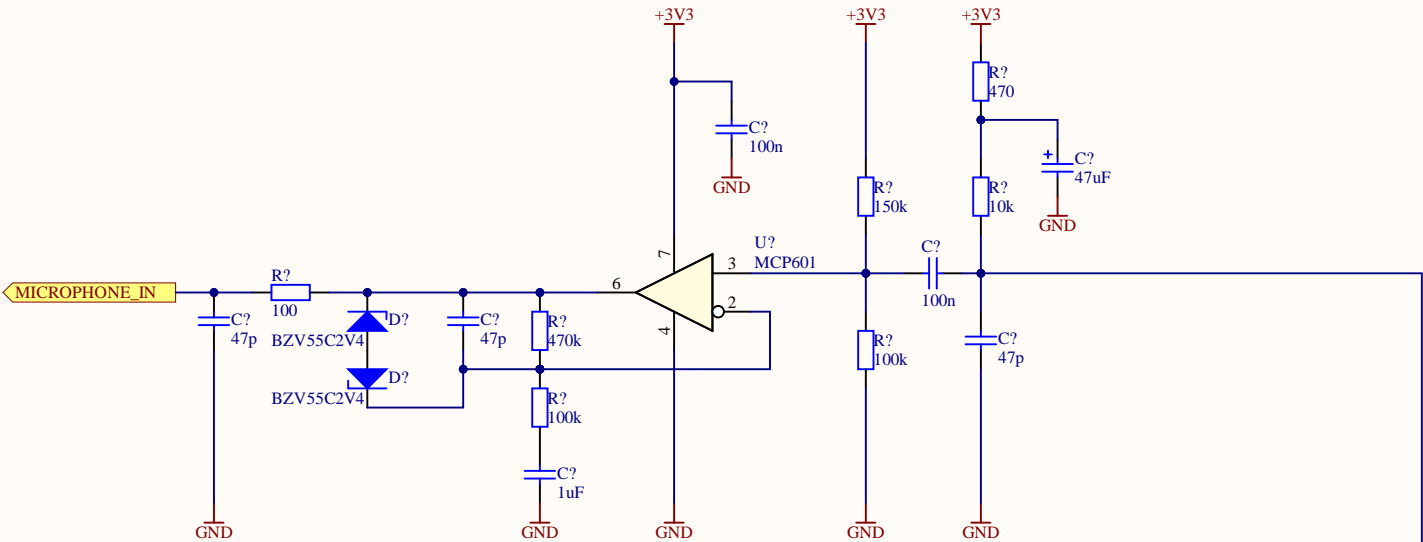


Transceiver

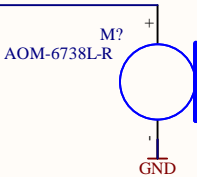


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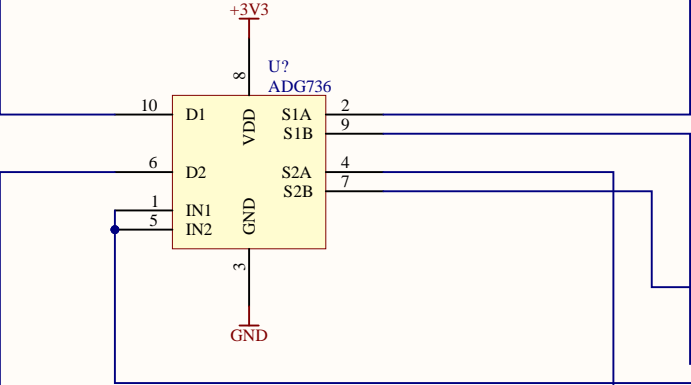
Microphone Amplifier



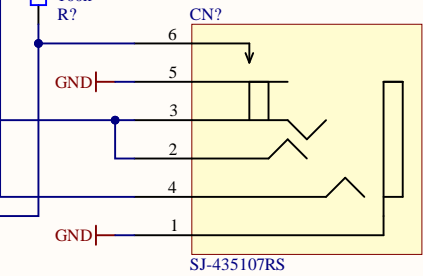
Integrated Micro



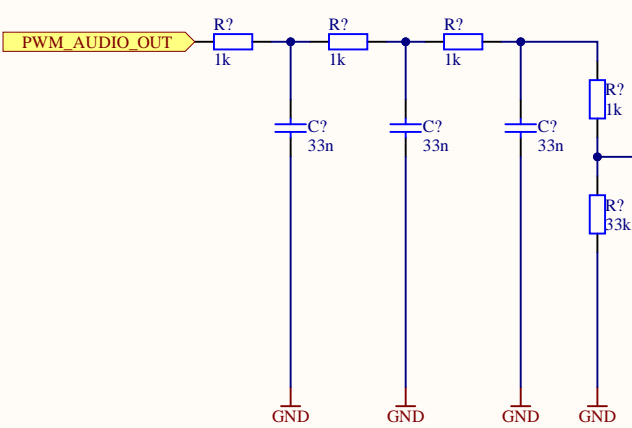
Audio Multiplexer



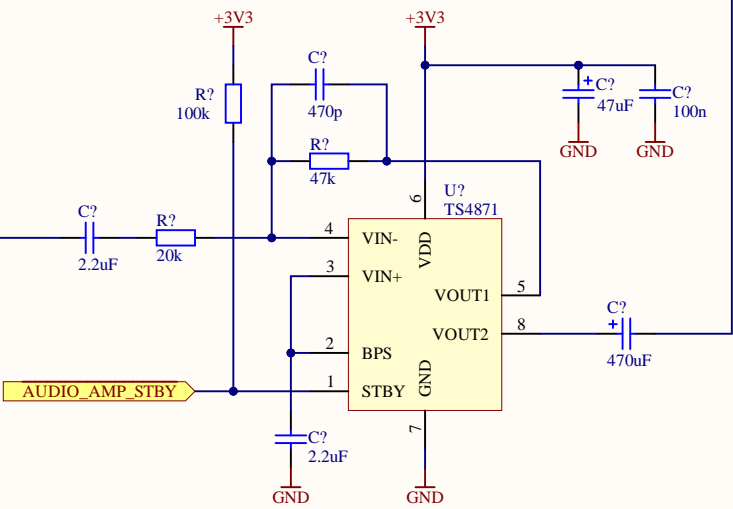
Mono+Mic Jack 3.5



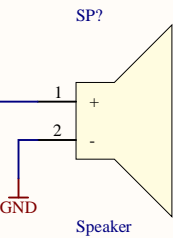
Low-pass Filter



Output Amplifier



Integrated Speaker

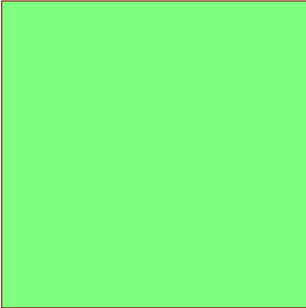


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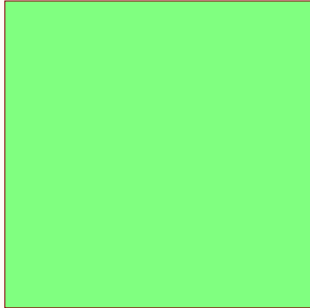
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C								C																																					
D	CLOCK(S) (CPU & PCIe)						<table><tr><td rowspan="4">CONFIDENTAL. Do not distribute.</td><td colspan="3">PROJECT</td></tr><tr><td colspan="3">RadioRepeater</td></tr><tr><td colspan="3">PAGE CONTENTS</td></tr><tr><td colspan="3">[07] - DOC REVISION HISTORY.SchDoc</td></tr><tr><td colspan="2">ENGINEER</td><td>SIZE</td><td>VARIANT</td><td colspan="2">REVISION</td></tr><tr><td colspan="2">V.Nikolaenko</td><td>A3</td><td>[No Variations]</td><td colspan="2">v1.0</td></tr><tr><td colspan="2">APPROVED BY</td><td colspan="2">DATE</td><td colspan="2">SHEET</td></tr><tr><td colspan="2">[Not Approved]</td><td colspan="2">01.01.2018</td><td colspan="2">7 of 7</td></tr></table>	CONFIDENTAL. Do not distribute.	PROJECT			RadioRepeater			PAGE CONTENTS			[07] - DOC REVISION HISTORY.SchDoc			ENGINEER		SIZE	VARIANT	REVISION		V.Nikolaenko		A3	[No Variations]	v1.0		APPROVED BY		DATE		SHEET		[Not Approved]		01.01.2018		7 of 7		D
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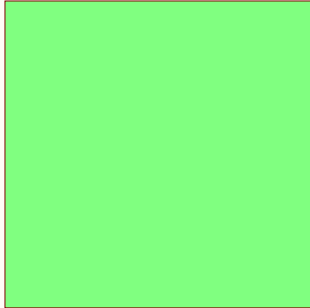
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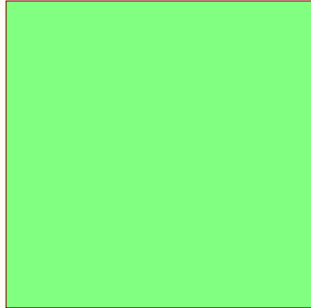
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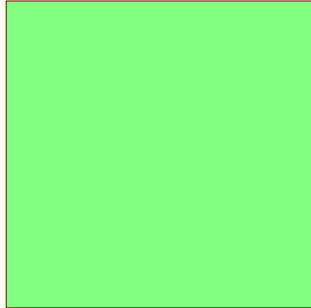
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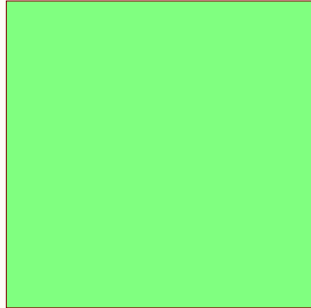
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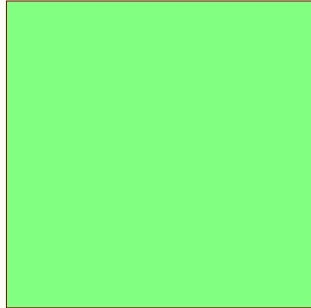
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Designator  
[06] - POWER.SchDoc



Designator  
[07] - DOC REVISION HISTORY.SchDoc



# TEMPLATE NOTES

## Set Project Parameters

- 1) Go to Project -> Project Options -> Parameters
- 2) Set Company, Project and VersionRevision

## Mark Not Fitted Components as

**NF**

## Net Class Example



## Differential signal example



TITLE Examples (You can change the color to reflect your company color)

# PAGE TITLE

*Peripheral / Group of component title*

*Smaller Ttitle*

## Schematic Status Explanation

**DRAFT** - Very early stage of schematic, ignore details.

**PRELIMINARY** - Close to final schematic.

**CHECKED** - There should not be any mistakes. Tell the engineer if you find one.

**RELEASED** - A board with this schematic has been sent to production.

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