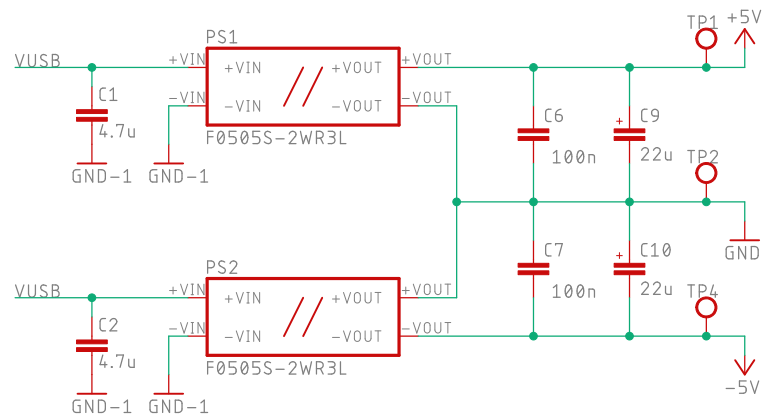
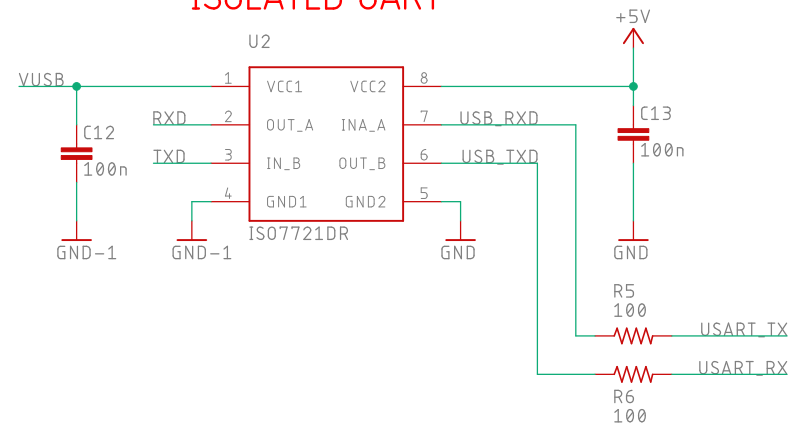


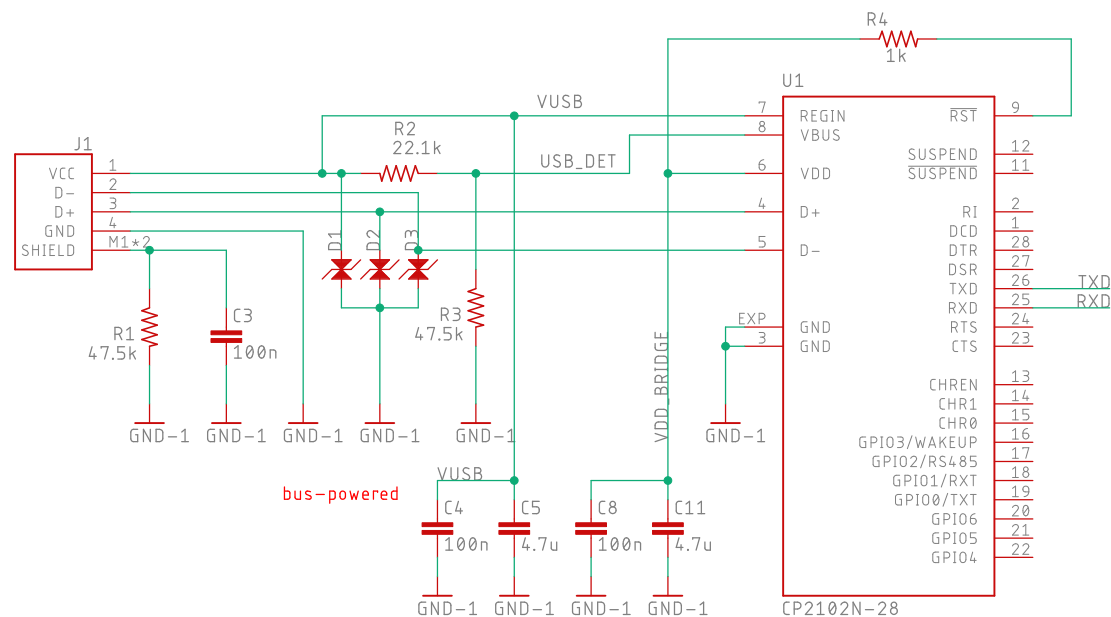
## ISOLATED POWER SUPPLY



## ISOLATED UART



## USB-TTL MCU



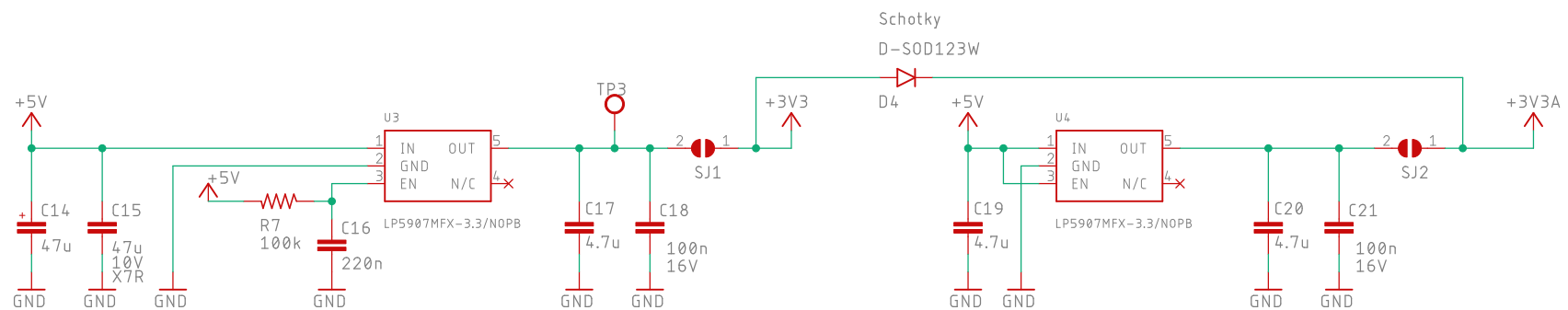
## Isolated USB-UART Bridge

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If the VDD and VDDA pins are split,  
the designer must ensure that VDDA  
power is applied before or simultaneously  
with VDD



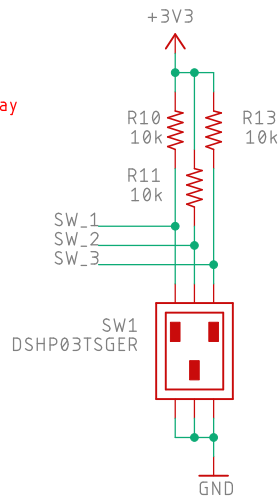
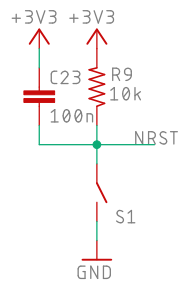
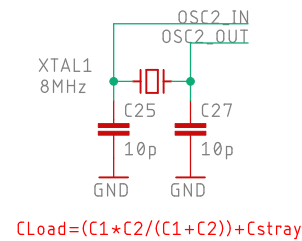
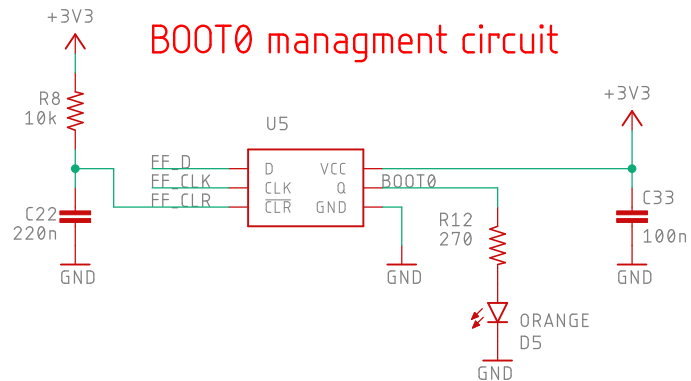
## LDO and Voltage Reference

LZ Design – UNMDP

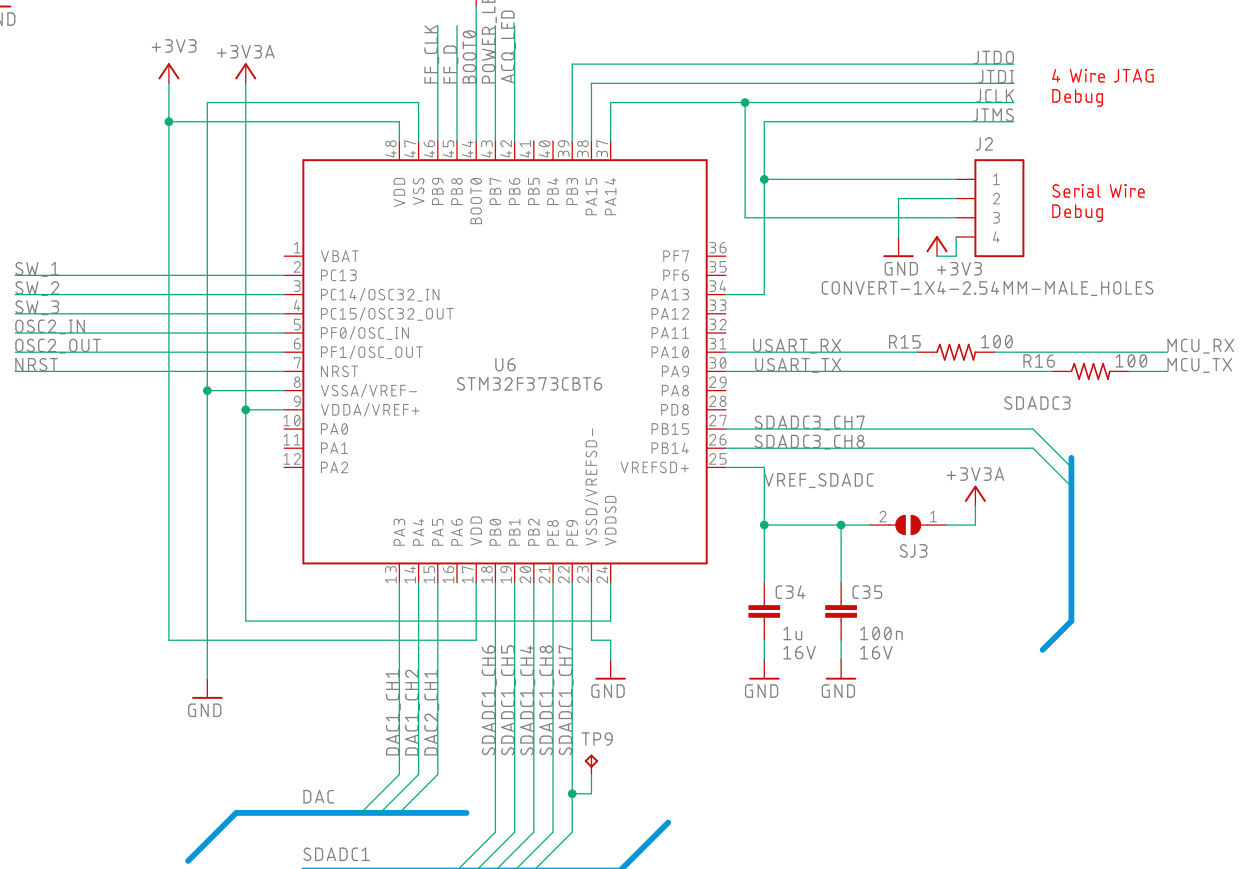
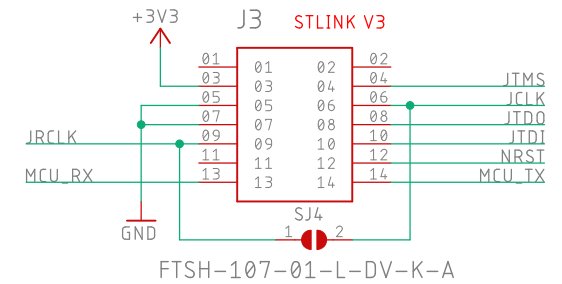
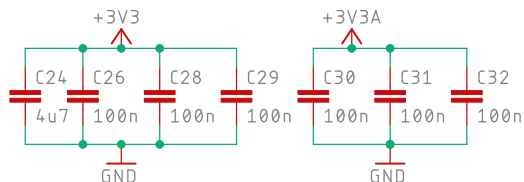
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5x100n + 1x4.7u



MCU

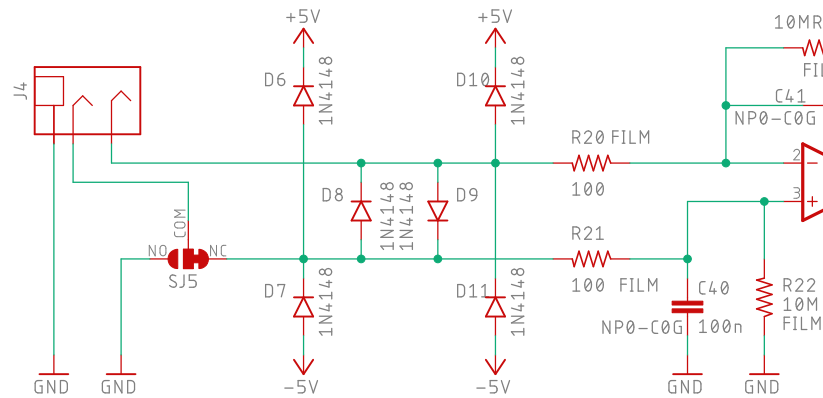
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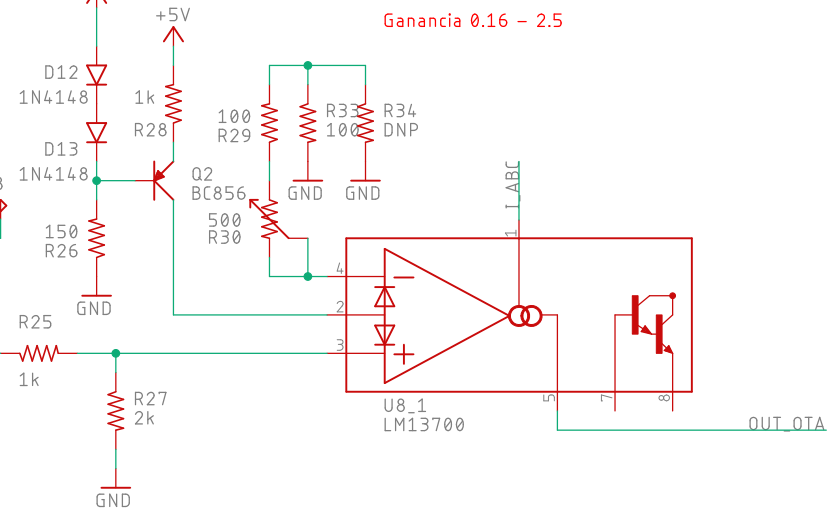
Version:

## Differential Charge-Amp



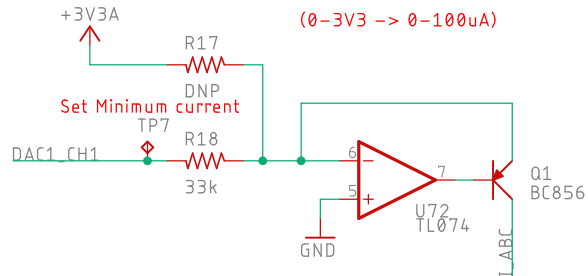
<https://www.ti.com/litv/pdf/slyt369>

## Voltage Controlled Amplifier

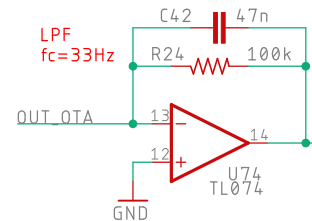


## Voltage – Current Converter

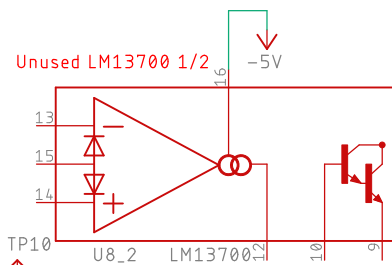
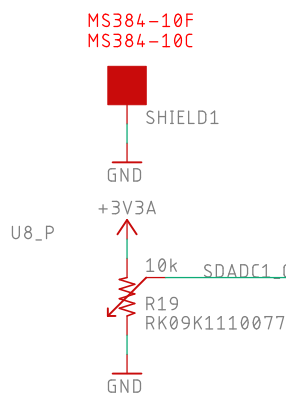
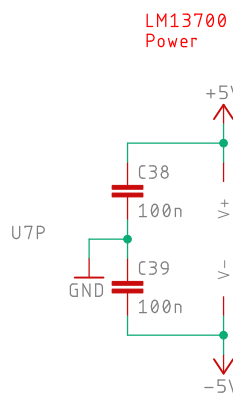
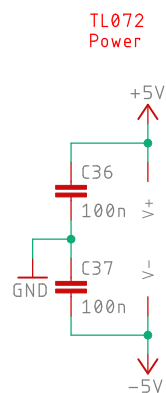
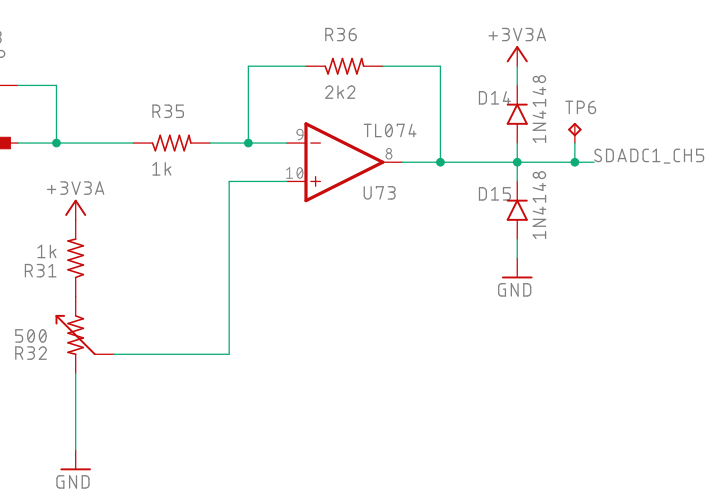
(0-3V3 -> 0-100uA)



## Current to Voltage



## Amplifier and Offset



Front End

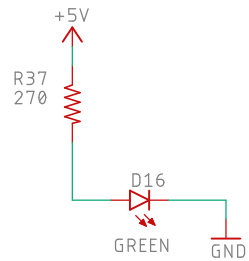
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Date: 21/1/2025 20:25

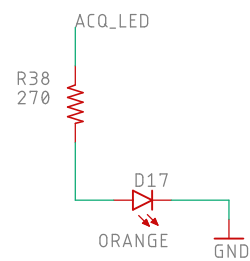
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Version:

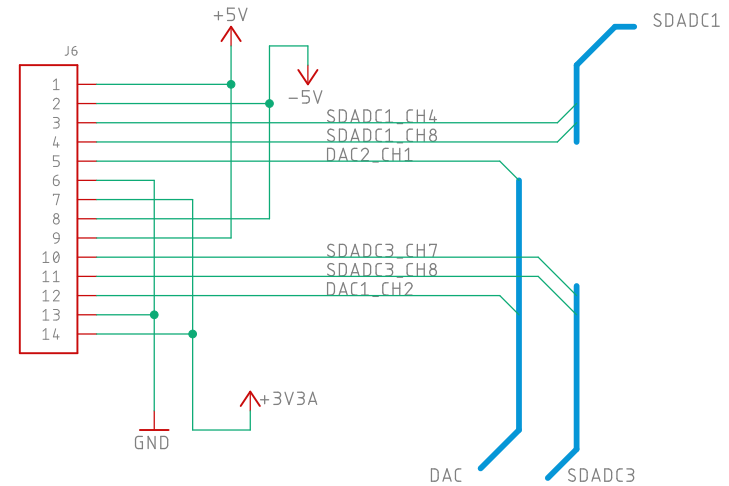
## Power LED



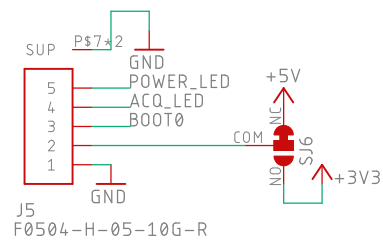
## ACQ LED



## Expansion Connector



## Front Panel Connector



## Status LEDs & Expansion Connectors

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Date: 21/1/2025 20:25

Version: