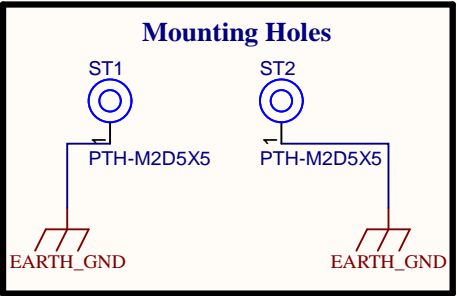
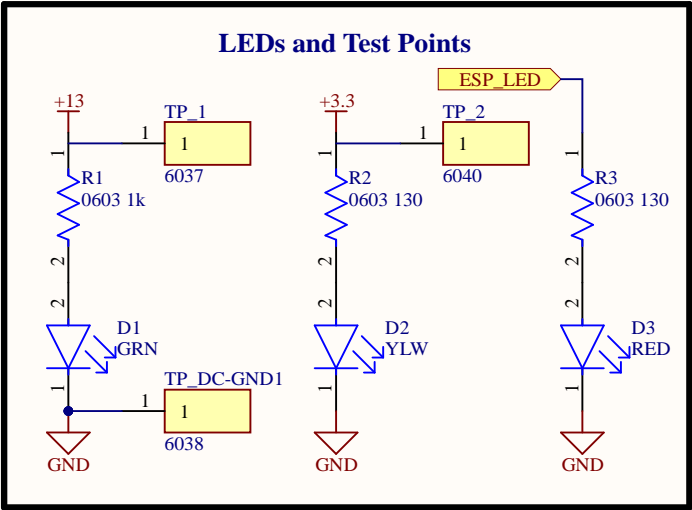
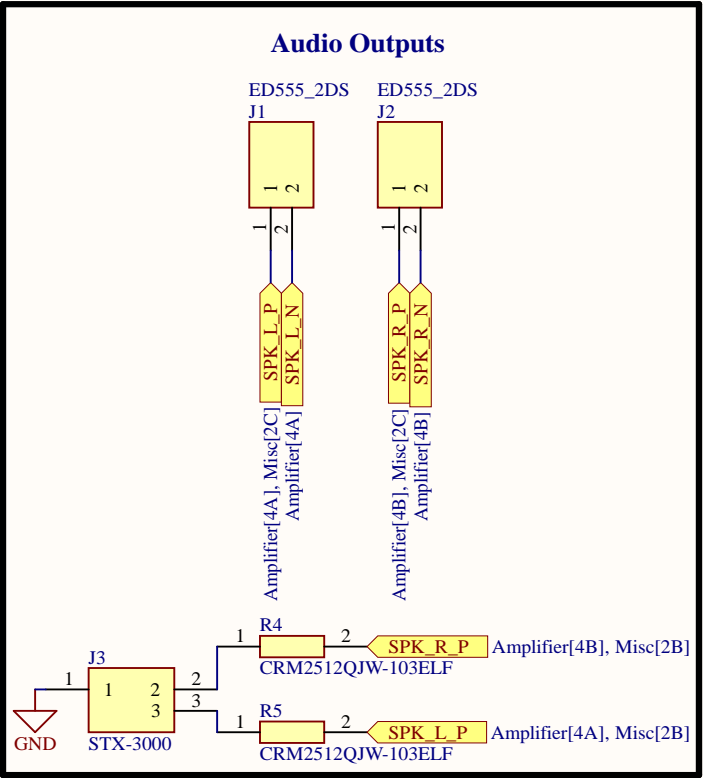


Misc. Circuits



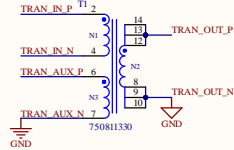
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Date:	4/20/2025	Sheet of
File:	C:\Users\...\Misc.SchDoc	Drawn By:

# Power Circuit

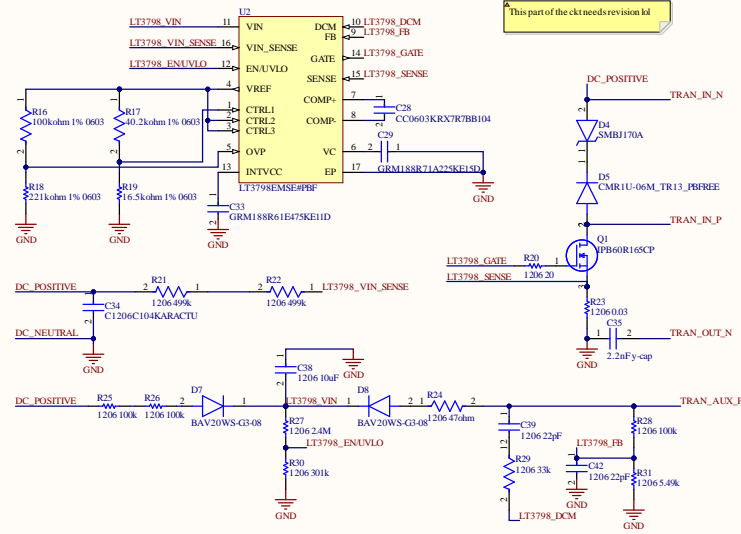
## AC INLET



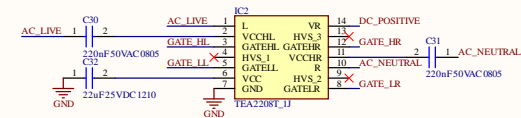
## TRANSFORMER



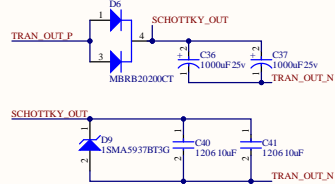
## FLYBACK TRANSFORMER CONTROLLER



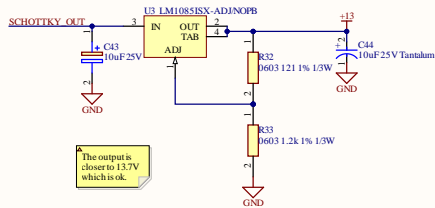
## ACTIVE RECTIFIER



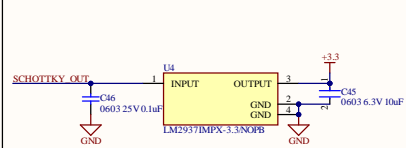
## TRANSFORMER OUTPUT RECTIFIER



## DC STEP DOWN 5V



## DC STEP DOWN 5V

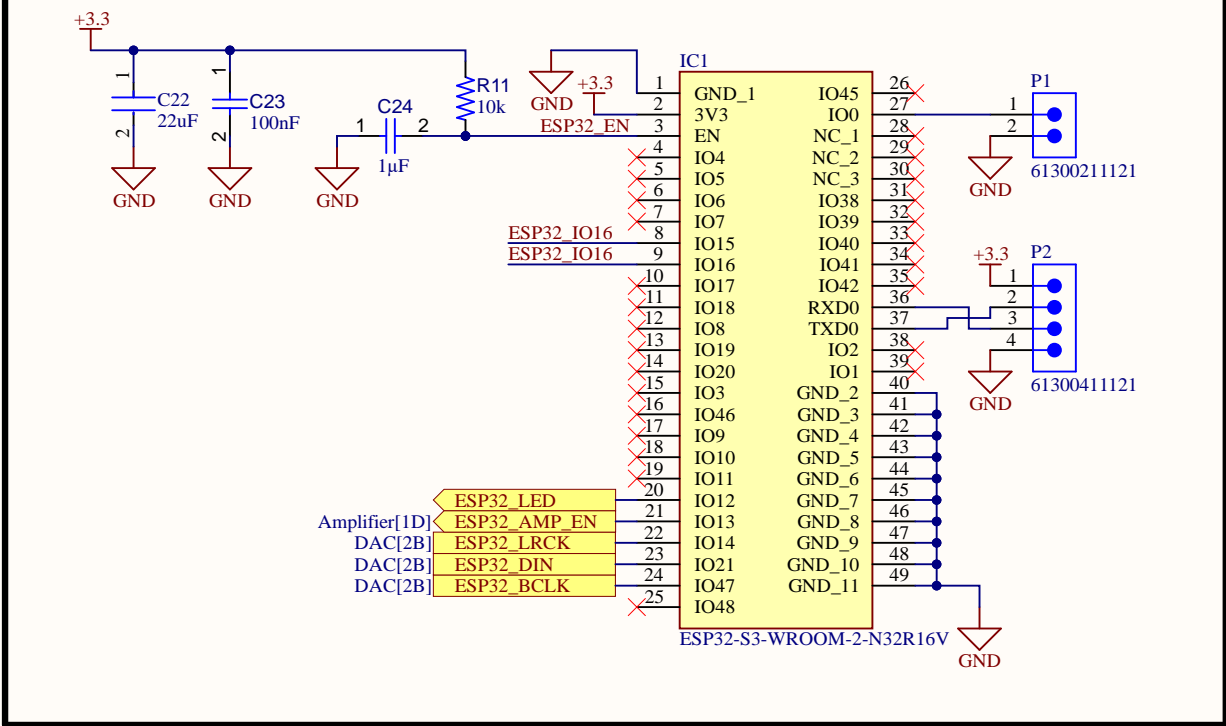


OPTIONAL TODO:  
- Add fuses to ICs  
- Switch to two prong AC inlet  
- Add more "clean-up" to the AC side  
- Add type-c as backup power if psu does not work

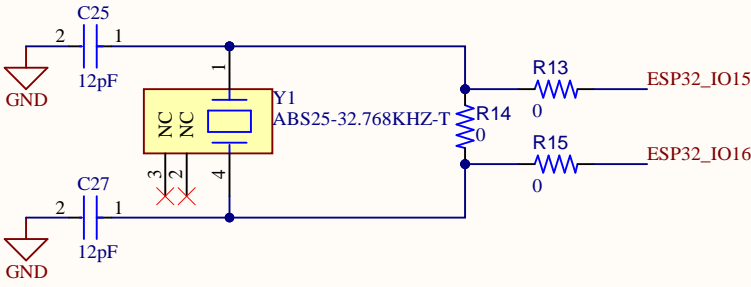
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ESP32

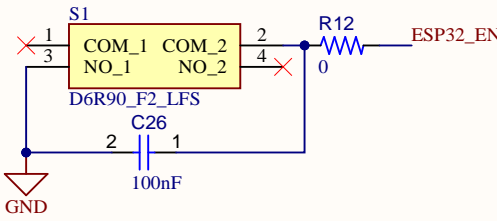
ESP32-S3



Crystal

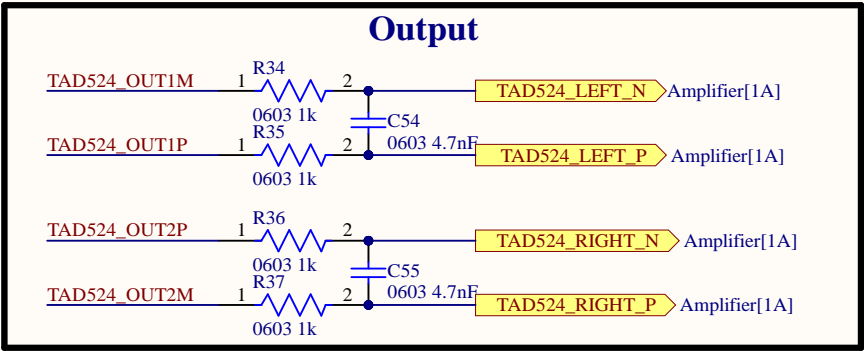
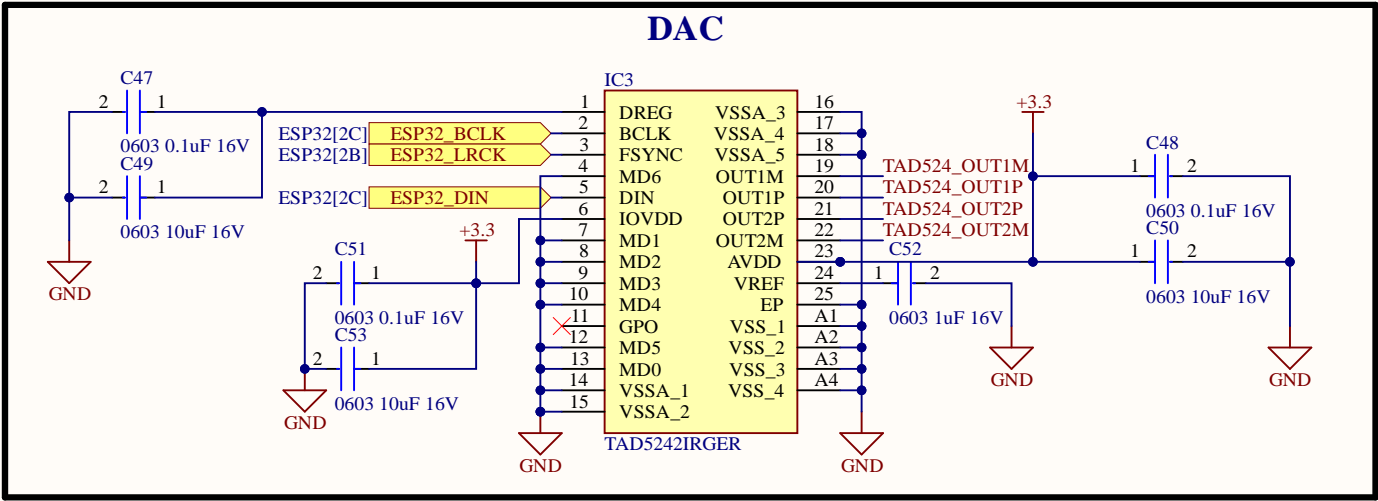


Reset Switch



Title		
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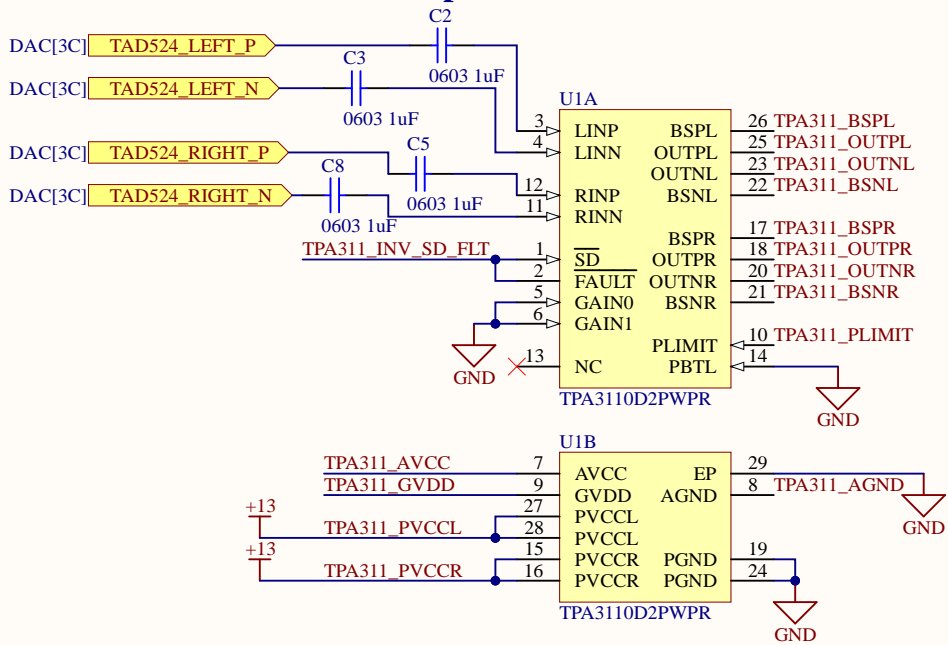
DIGITAL TO ANALOG CONVERTER



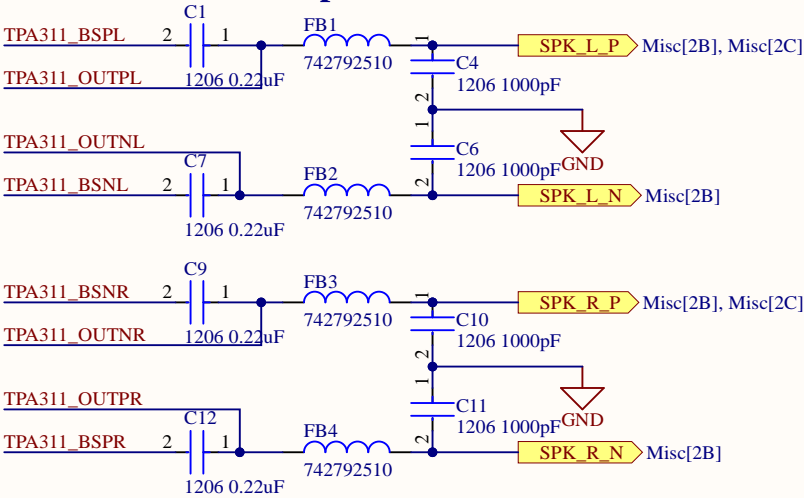
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Amplifier

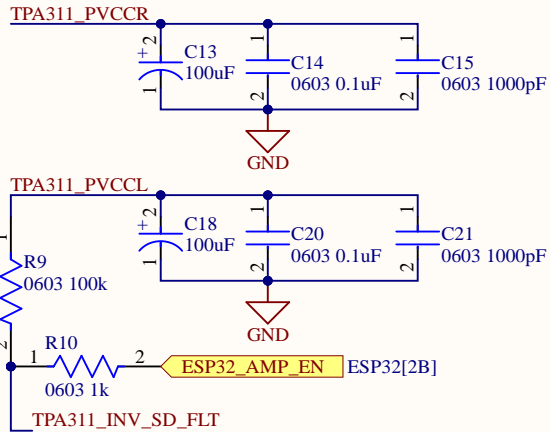
Amplifier



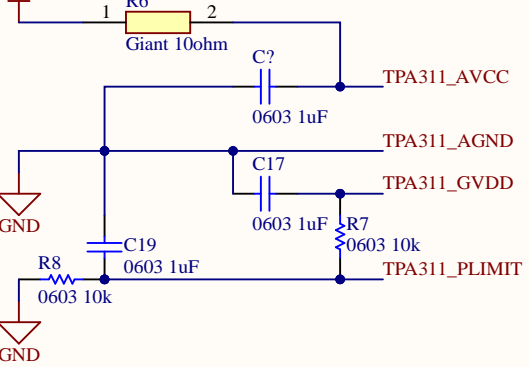
Output



PVCC



Extras



Title		
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File:	C:\Users\...\Amplifier.SchDoc	Drawn By:

