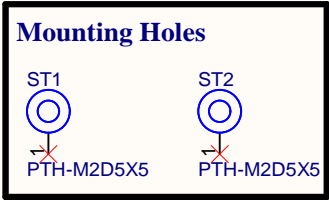
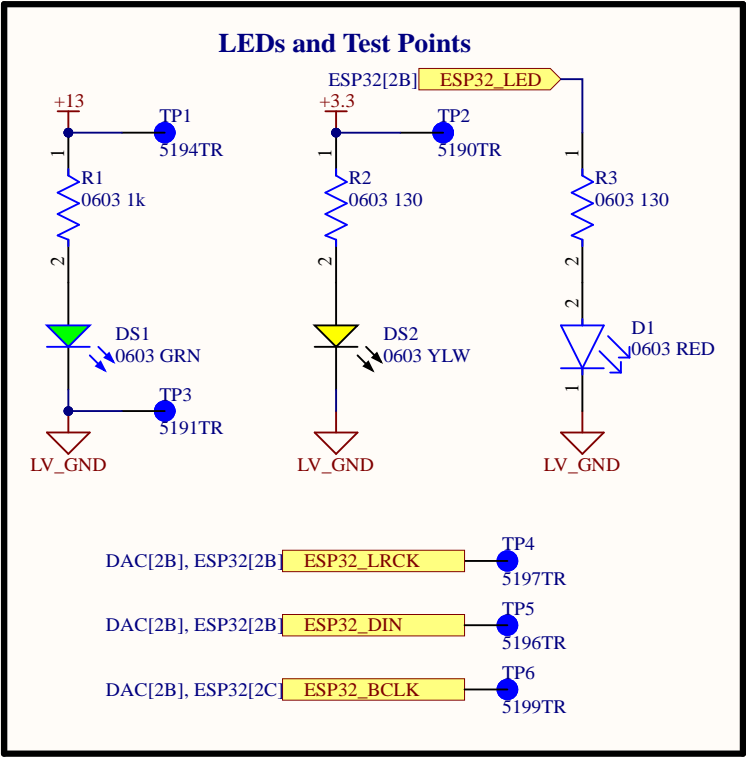
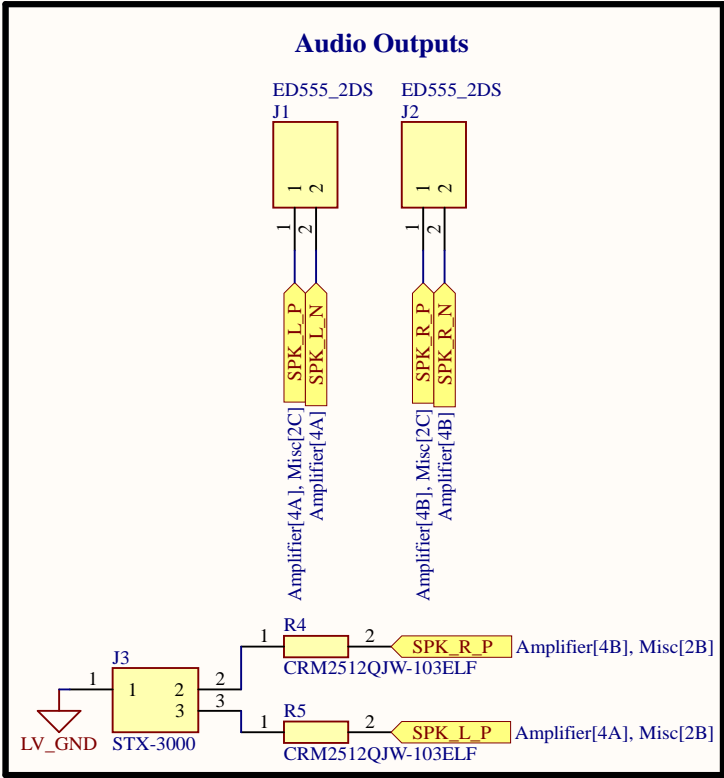


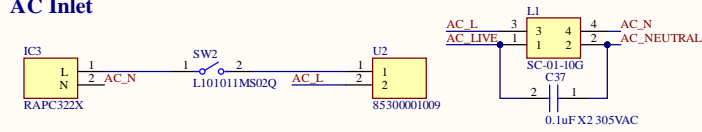
Misc. Circuits



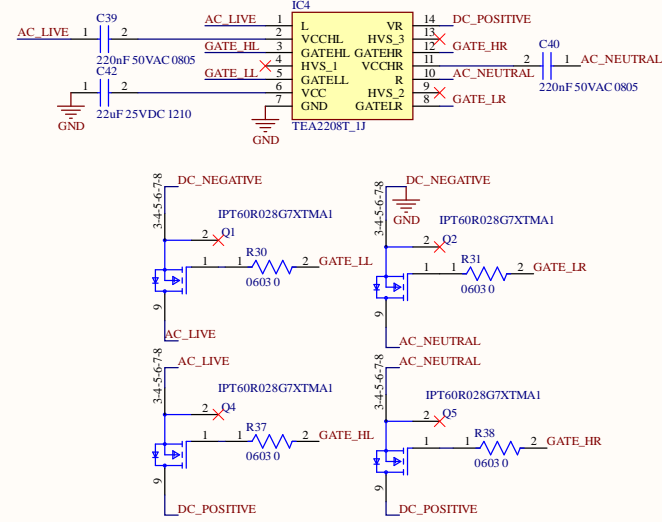
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Date:	4/30/2025	Sheet of
File:	C:\Users\...\Misc.SchDoc	Drawn By:

Power Supply

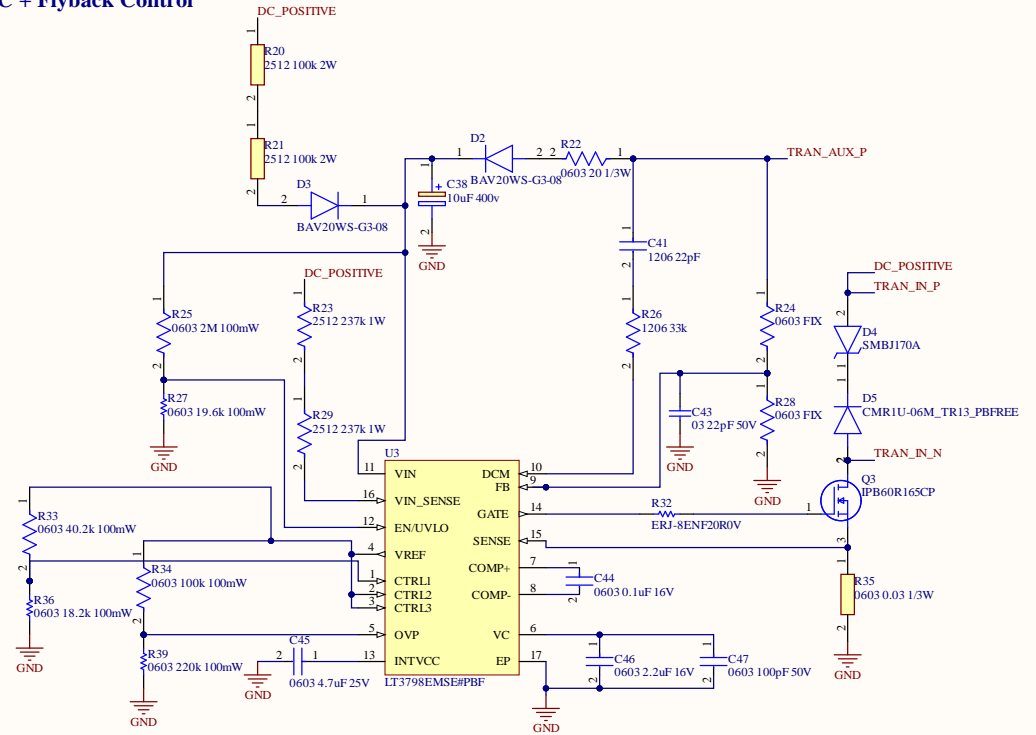
AC Inlet



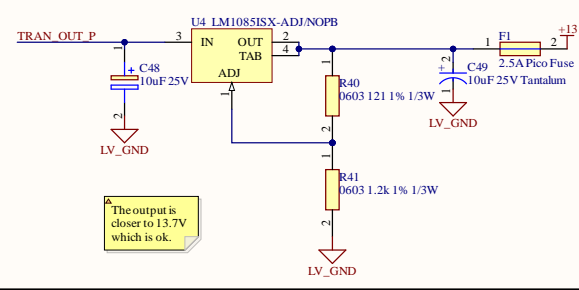
Active Rectifier



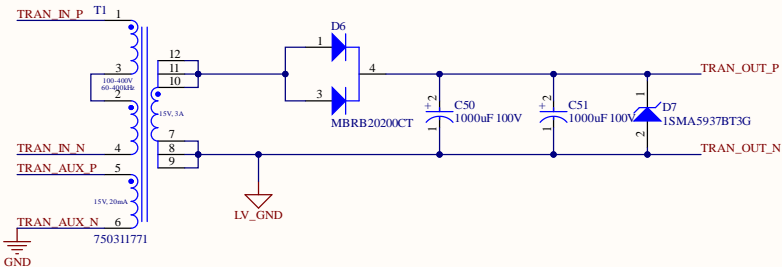
PFC + Flyback Control



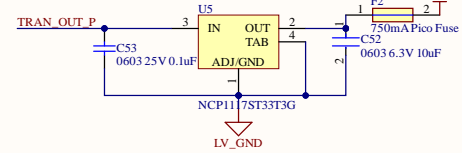
13V LDO



Transformer



3.3V LDO

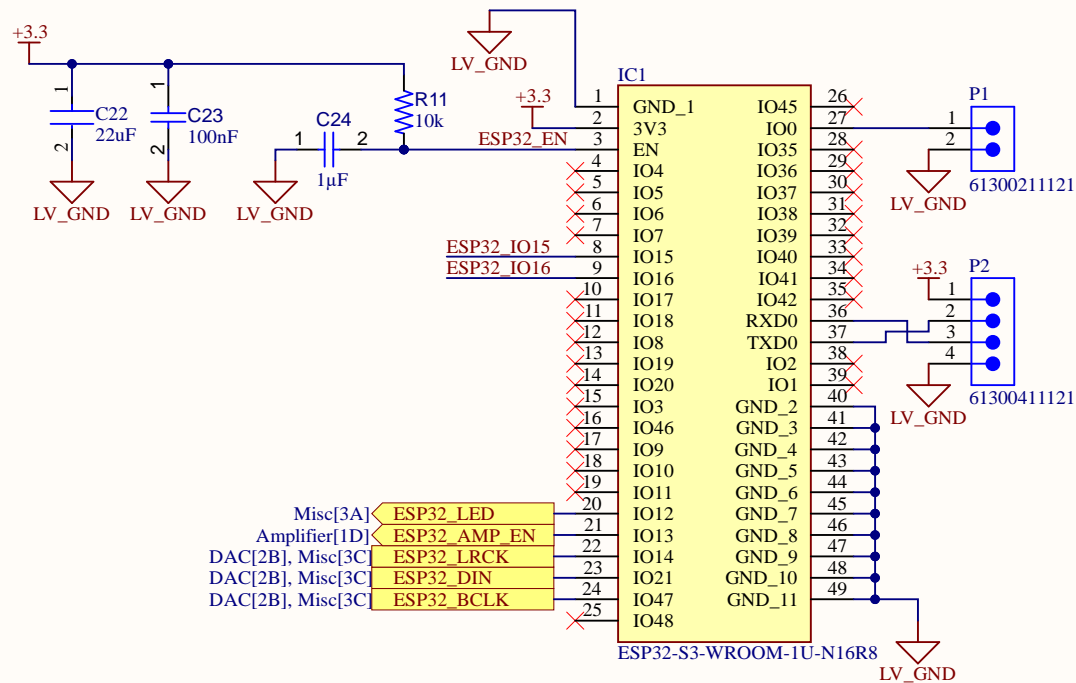


Do:
Calculate R24 and R28
Check if all HV caps are rated for HV
Maybe:
Add some gate resistors?
Add fuses to ICs?
Add more caps to input AC and to output of rectifier?
Config 13v ldo to 14v?

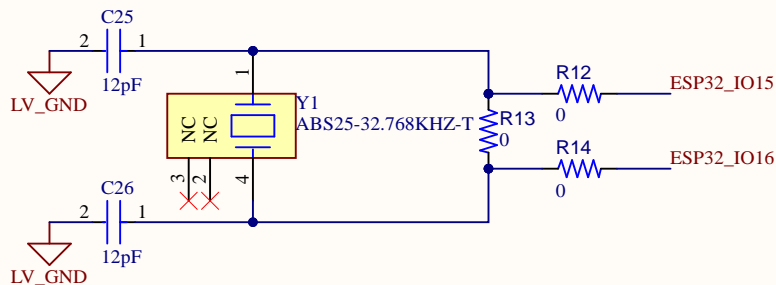
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File:	C:\Users\...\Power.SchDoc	Drawn By:

ESP32

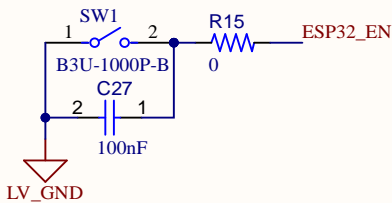
ESP32-S3



Crystal

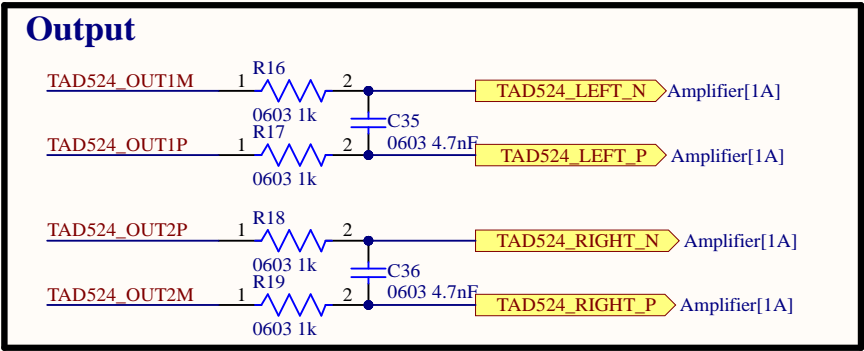
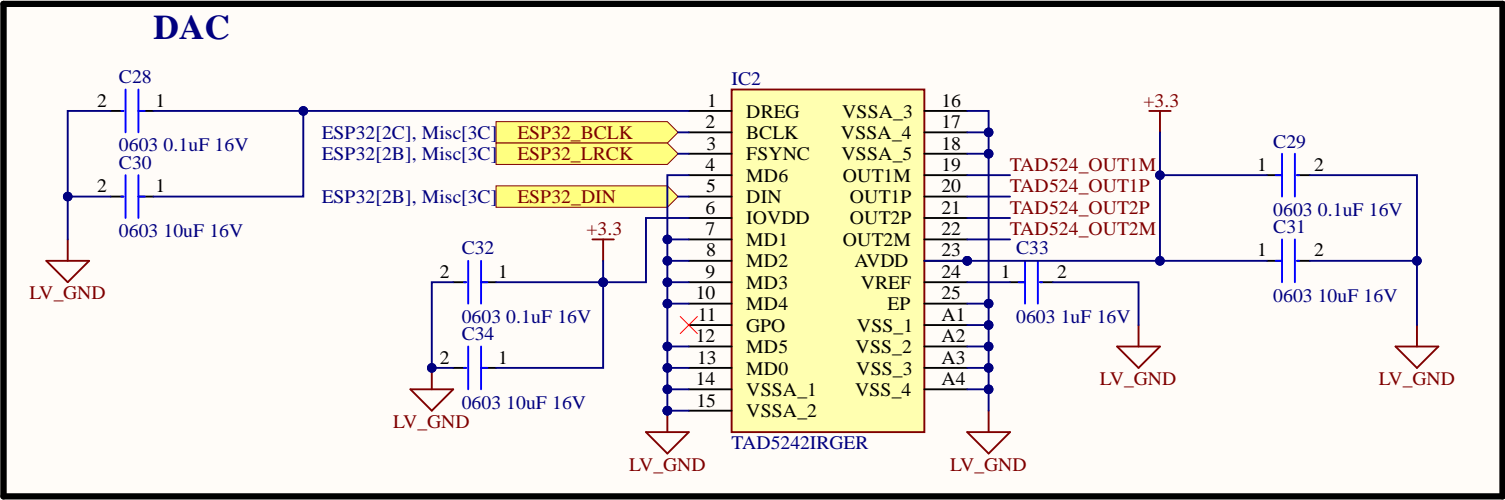


Reset Switch



Title		
Size	Number	Revision
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File:	C:\Users\...\ESP32.SchDoc	Drawn By:

DIGITAL TO ANALOG CONVERTER

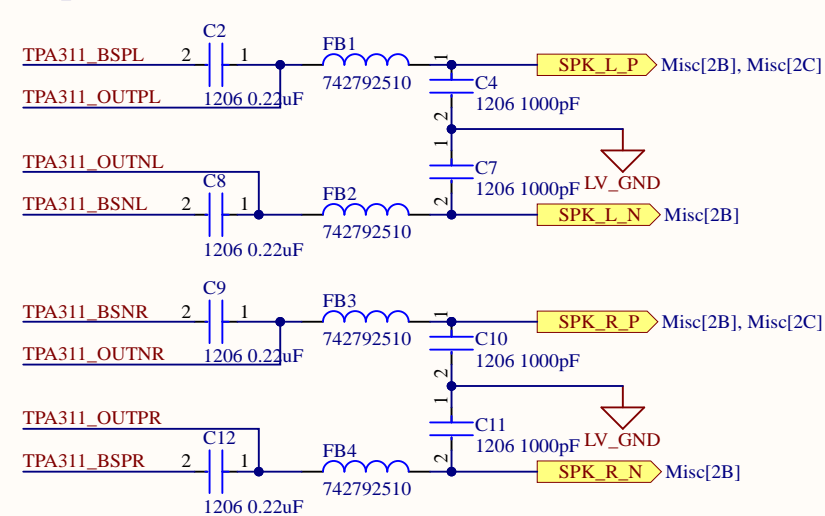
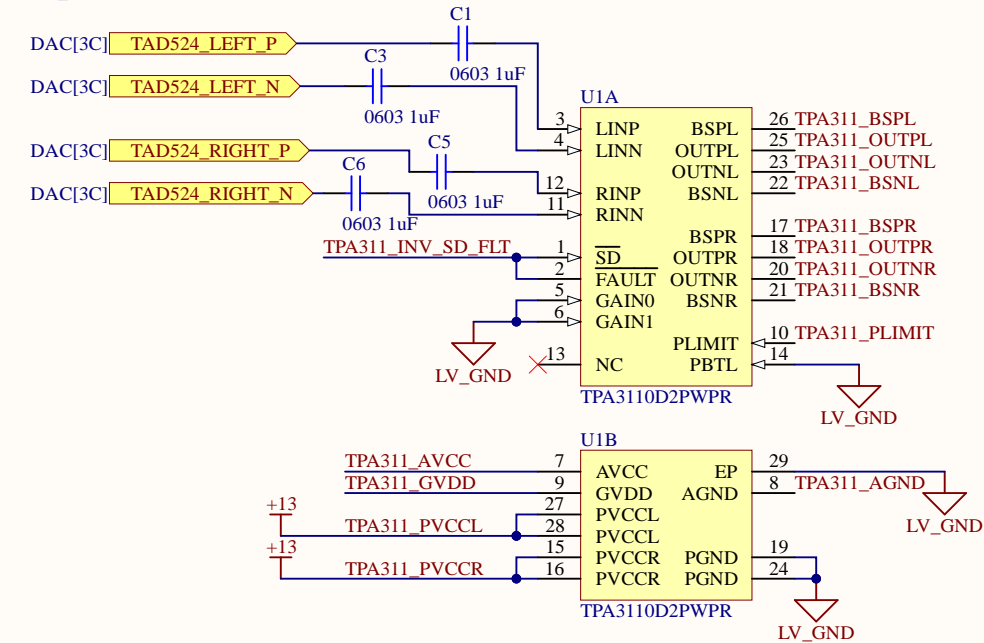


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File:	C:\Users\...\DAC.SchDoc	Drawn By:

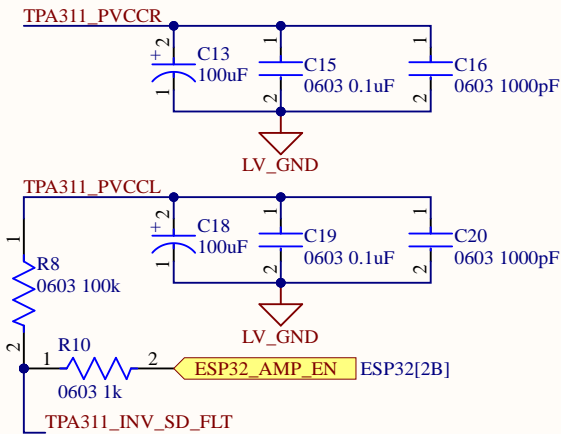
Amplifier

Amplifier

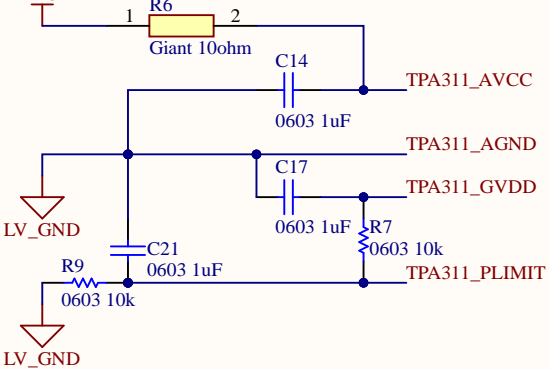
Output



PVCC



Extras



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

