

MIREA

Sheet: /cpu\_wroom\_esp32/  
 File: cpu\_wroom\_esp32.kicad\_sch

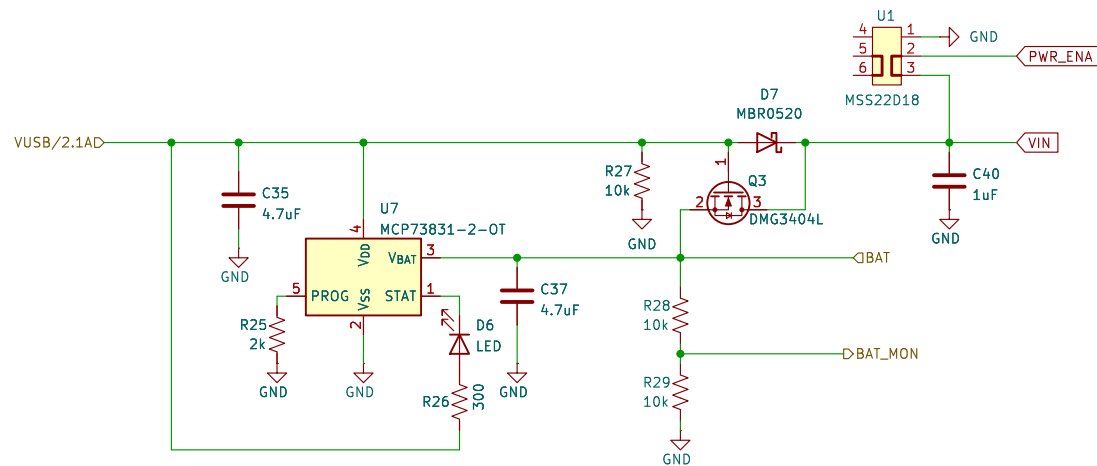
Title: ESP32-S3 CPU

Size: A4 Date: 2025-10-10

KiCad E.D.A. 9.0.3

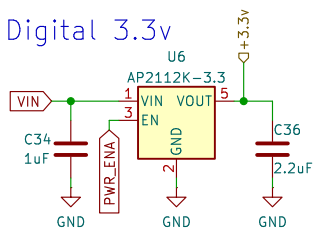
Rev:

Id: 3/4

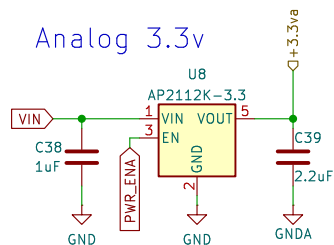


Fast charge current regulation can be scaled by placing a programming resistor (RPROG) from the PROG input to VSS. The program resistor and the charge current are calculated using the following equation  
(MCP73831/2: <https://static.chipdip.ru/lib/283/DOC012283193.pdf>)  
 $I_{REG} = 1000V / R_{PROG}$

### Digital 3.3v



### Analog 3.3v



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Sheet: /power\_supply/  
File: power\_supply.kicad\_sch

**Title: Power supply**

Size: A4 Date: 2024-10-17

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**Rev: 1**

Id: 5/4