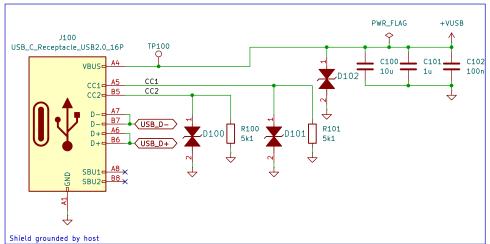
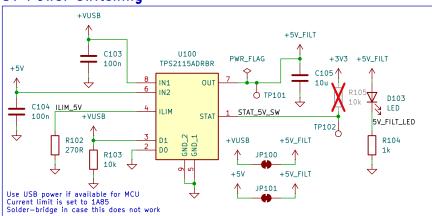


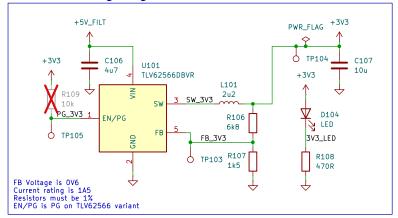
USB



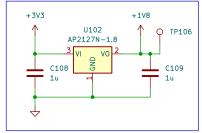
5V Power switching



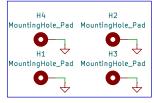
3V3 Switching Regulator



1V8 Linear Regulator



Mounting



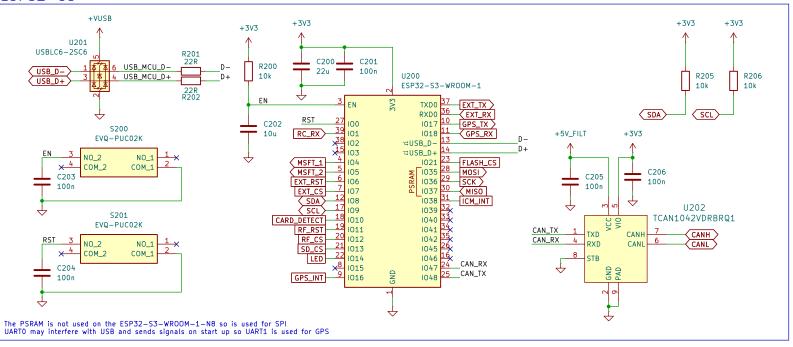
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Title: Power Delivery

 Size: A4
 Date: 07-05-2025
 Rev: 0.0.1

 KiCad E.D.A. 9.0.2
 Id: 2/5

ESP32-S3



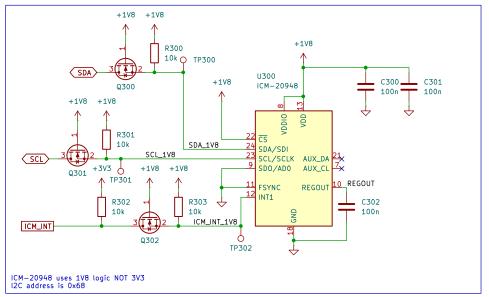
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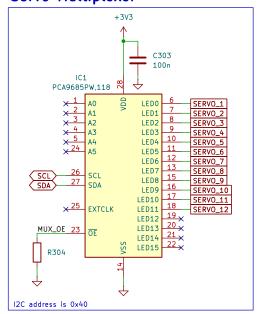
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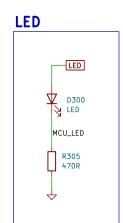
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ICM-20948 IMU I2C

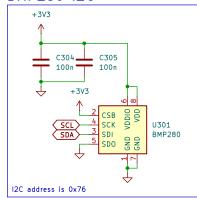


Servo Multiplexer

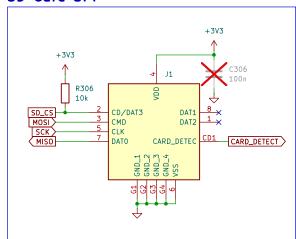




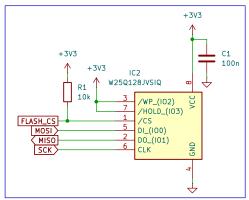
BMP280 12C



SD Card SPI



Flash SPI



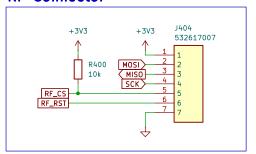
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Title: Digital Peripherals
Size: A4 Date: 17-05-

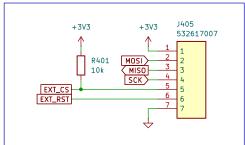
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 Rev: 0.01

 KiCad E.D.A. 9.0.2
 Id: 4/5

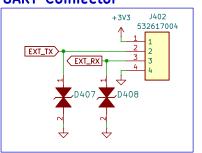
RF Connector



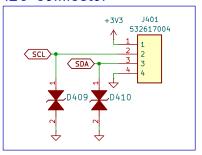
SPI Connector



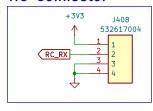
UART Connector

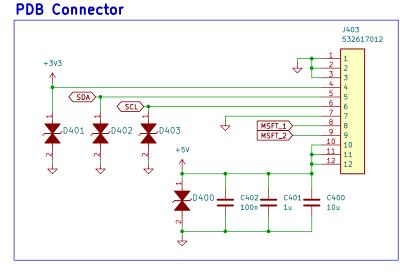


12C Connector

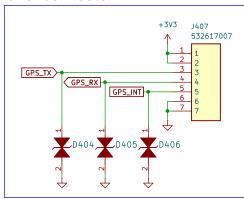


RC Connector

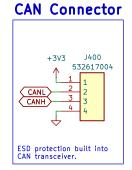


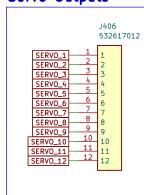


GPS Connector



Servo Outputs





Sheet: /400_Actuation Control/ File: Connectors.kicad_sch

Title: Actuator Outputs

Size: A4 Date: 08-05-2025 Rev: 0.0.1 KiCad E.D.A. 9.0.2 ld: 5/5