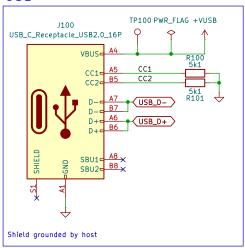
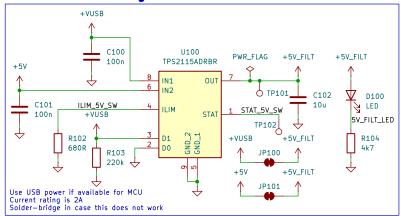


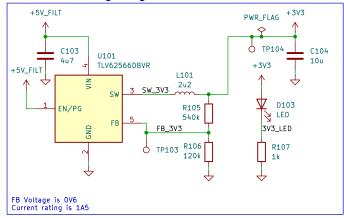
# **USB**



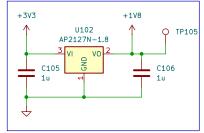
# 5V Power switching



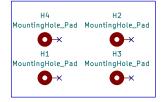
# **3V3** Switching Regulator



# 1V8 Linear Regulator



# Mounting



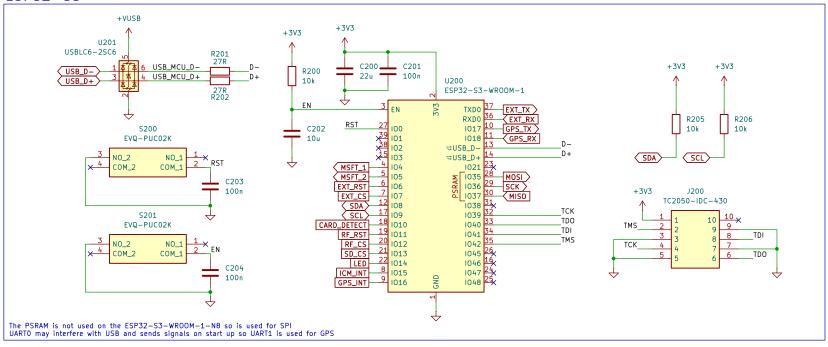
Sheet: /100\_Power/ File: Power.kicad\_sch

Title: Power Delivery

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

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

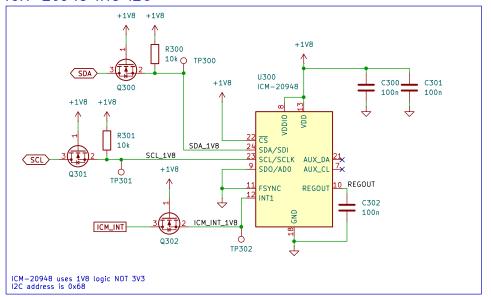
ESP32-S3



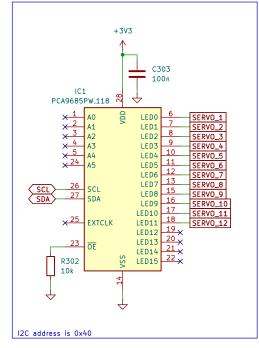
Sheet: /200\_ESP32/ File: ESP32.kicad\_sch Title: ESP32-S3-WROOM-1-N8

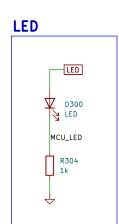
Size: A4 Date: 25-05-2025 Rev: 0.0.1 KiCad E.D.A. 9.0.2 ld: 3/5

#### ICM-20948 IMU I2C

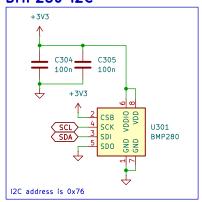


# Servo Multiplexer

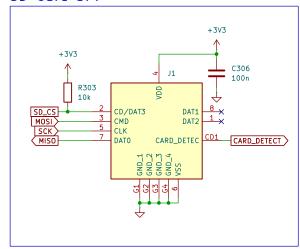




#### BMP280 12C



#### SD Card SPI



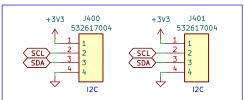
Sheet: /300\_Digital\_Peripherals/
File: Digital\_Peripherals.kicad\_sch

Title: Digital Peripherals

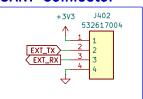
 Size: A4
 Date: 17-05-2025
 Rev: 0.0.1

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

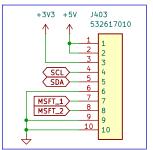
# **12C Connectors**



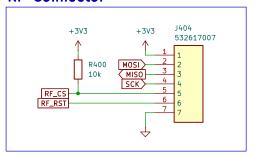
# **UART Connector**



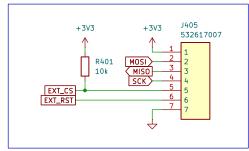
# **PDB** Connector



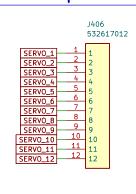
# **RF** Connector



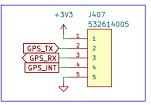
# **SPI** Connector



# Servo Outputs



# **GPS Connector**



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
 Id: 5/5

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4

5