

ESP32-DevKitC V4 w/ WROOM

DB25_Female

Connections shown:

- J2 (ESP32 pins):** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19.
- J3 (WROOM pins):** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19.
- DB25_Female (SD card pins):** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25.
- PMODMicroSD module:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.
- Power Source:** +3V3, +5V, GND.

Wiring details:

- ESP32 pin 1 is connected to WROOM pin 1.
- ESP32 pin 2 is connected to WROOM pin 2.
- ESP32 pin 3 is connected to WROOM pin 3.
- ESP32 pin 4 is connected to WROOM pin 4.
- ESP32 pin 5 is connected to WROOM pin 5.
- ESP32 pin 6 is connected to WROOM pin 6.
- ESP32 pin 7 is connected to WROOM pin 7.
- ESP32 pin 8 is connected to WROOM pin 8.
- ESP32 pin 9 is connected to WROOM pin 9.
- ESP32 pin 10 is connected to WROOM pin 10.
- ESP32 pin 11 is connected to WROOM pin 11.
- ESP32 pin 12 is connected to WROOM pin 12.
- ESP32 pin 13 is connected to WROOM pin 13.
- ESP32 pin 14 is connected to WROOM pin 14.
- ESP32 pin 15 is connected to WROOM pin 15.
- ESP32 pin 16 is connected to WROOM pin 16.
- ESP32 pin 17 is connected to WROOM pin 17.
- ESP32 pin 18 is connected to WROOM pin 18.
- ESP32 pin 19 is connected to WROOM pin 19.
- ESP32 pin 1 is connected to PMODMicroSD pin 1.
- ESP32 pin 2 is connected to PMODMicroSD pin 2.
- ESP32 pin 3 is connected to PMODMicroSD pin 3.
- ESP32 pin 4 is connected to PMODMicroSD pin 4.
- ESP32 pin 5 is connected to PMODMicroSD pin 5.
- ESP32 pin 6 is connected to PMODMicroSD pin 6.
- ESP32 pin 7 is connected to PMODMicroSD pin 7.
- ESP32 pin 8 is connected to PMODMicroSD pin 8.
- ESP32 pin 9 is connected to PMODMicroSD pin 9.
- ESP32 pin 10 is connected to PMODMicroSD pin 10.
- ESP32 pin 11 is connected to PMODMicroSD pin 11.
- ESP32 pin 12 is connected to PMODMicroSD pin 12.
- ESP32 pin 1 is connected to +3V3.
- ESP32 pin 2 is connected to +3V3.
- ESP32 pin 3 is connected to +3V3.
- ESP32 pin 4 is connected to +3V3.
- ESP32 pin 5 is connected to +3V3.
- ESP32 pin 6 is connected to +3V3.
- ESP32 pin 7 is connected to +3V3.
- ESP32 pin 8 is connected to +3V3.
- ESP32 pin 9 is connected to +3V3.
- ESP32 pin 10 is connected to +3V3.
- ESP32 pin 11 is connected to +3V3.
- ESP32 pin 12 is connected to +3V3.
- ESP32 pin 13 is connected to +5V.
- ESP32 pin 14 is connected to +5V.
- ESP32 pin 15 is connected to +5V.
- ESP32 pin 16 is connected to +5V.
- ESP32 pin 17 is connected to +5V.
- ESP32 pin 18 is connected to +5V.
- ESP32 pin 19 is connected to +5V.
- ESP32 pin 1 is connected to GND.
- ESP32 pin 2 is connected to GND.
- ESP32 pin 3 is connected to GND.
- ESP32 pin 4 is connected to GND.
- ESP32 pin 5 is connected to GND.
- ESP32 pin 6 is connected to GND.
- ESP32 pin 7 is connected to GND.
- ESP32 pin 8 is connected to GND.
- ESP32 pin 9 is connected to GND.
- ESP32 pin 10 is connected to GND.
- ESP32 pin 11 is connected to GND.
- ESP32 pin 12 is connected to GND.
- ESP32 pin 13 is connected to GND.
- ESP32 pin 14 is connected to GND.
- ESP32 pin 15 is connected to GND.
- ESP32 pin 16 is connected to GND.
- ESP32 pin 17 is connected to GND.
- ESP32 pin 18 is connected to GND.
- ESP32 pin 19 is connected to GND.

Notes:

- * Require to burn the flash voltage eFuses for avoiding conflict between D2 & MTDI strapping
- **It is important to keep the sd card jumper wire very short (<= 2 Inch) and plug them directly to the ESP32 pin (not via breadboard).
- **It's critical for the 2 GND on the PMOD to be plug directly to the ESP32 GND pin via short wire!!

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Title: BlueRetro DIY			
Size: USLetter	Date: 2020-10-02	Rev: v1.2	
KiCad E.D.A. kicad (5.1.6)-1		Id: 1/7	