

Diagram illustrating the connection of the ESP32-DEVKIT-32C (U1) to the MAX32660 for battery voltage measurement.

ESP32-DEVKIT-32C (U1) Pins:

- 1: EN
- 2: SENSOR_VP
- 3: SENSOR_VN
- 4: IO34
- 5: IO35
- 6: IO32
- 7: IO33
- 8: IO25
- 9: IO26
- 10: IO27
- 11: IO14
- 12: IO12
- 13: IO13
- 14: GND1
- 15: VIN

MAX32660 Pins:

- 30: SD_CMD
- 29: TXD0
- 28: RXD0
- 27: SDA
- 26: SD_DATA0
- 25: SD_CLK
- 24: SD_CD
- 23: RX_NE06M
- 22: TX_NE06M
- 21: ECHO1
- 20: BUTTON
- 19: TRIG1
- 18: GND
- 17: 3V3

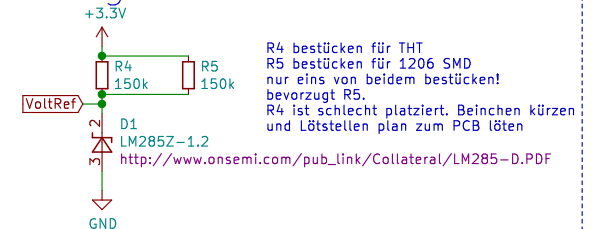
Connections:

- VoltRef:** Connected to pin 4 (IO34) of the ESP32.
- TRIG2:** Connected to pin 9 (IO25) of the ESP32.
- ECHO2:** Connected to pin 10 (IO26) of the ESP32.
- SD_CMD:** Connected to pin 30 of the MAX32660.
- TXD0:** Connected to pin 29 of the MAX32660.
- RXD0:** Connected to pin 28 of the MAX32660.
- SDA:** Connected to pin 27 of the MAX32660.
- SD_DATA0:** Connected to pin 26 of the MAX32660.
- SD_CLK:** Connected to pin 25 of the MAX32660.
- SD_CD:** Connected to pin 24 of the MAX32660.
- RX_NE06M:** Connected to pin 23 of the MAX32660.
- TX_NE06M:** Connected to pin 22 of the MAX32660.
- ECHO1:** Connected to pin 21 of the MAX32660.
- BUTTON:** Connected to pin 20 of the MAX32660.
- TRIG1:** Connected to pin 19 of the MAX32660.
- GND:** Connected to pin 18 of the MAX32660.
- 3V3:** Connected to pin 17 of the MAX32660.

Notes:

- Messteil Akkuspannung (nach Schutzschaltung)
- R3 kann als 2x 5M in Reihe ausgelegt werden

SD Karten Slot



Rev:
Id: 1/1