temp-1w8-pro

Temperature Sensor Connectors (PJ-242)

T1 PJ-242 — S, R2, R1, R1N, T, TN — R1 330 → +3V3, R2 4k7 → T1
T2 PJ-242 — S, R2, R1, R1N, T, TN — R3 330 → +3V3, R4 4k7 → T2
T3 PJ-242 — S, R2, R1, R1N, T, TN — R5 330 → +3V3, R6 4k7 → T3
T4 PJ-242 — S, R2, R1, R1N, T, TN — R7 330 → +3V3, R8 4k7 → T4
T5 PJ-242 — S, R2, R1, R1N, T, TN — R9 330 → +3V3, R10 4k7 → T5
T6 PJ-242 — S, R2, R1, R1N, T, TN — R11 330 → +3V3, R12 4k7 → T6
T7 PJ-242 — S, R2, R1, R1N, T, TN — R13 330 → +3V3, R14 4k7 → T7
T8 PJ-242 — S, R2, R1, R1N, T, TN — R15 330 → +3V3, R16 4k7 → T8

LEDs

- LED → R17 330 → D1 LED → +3V3
- R18 330 → D2 LED

Buttons

- BTN1 → R21 330 → SW1 USR_BTN
- BTN2 → R22 330 → SW2 USR_BTN

OLED Connector J1 (ssd1306 oled)

Pin	Signal
4	SDA
3	SCL
2	+3V3
1	GND

- R19 4k7, R20 4k7 → +3V3
- C1 10u

U1 esp32-c3-supermini

Pin	Left	Pin	Right
1	IO5/ADC2/SPI_MISO	16	5V
2	IO6/SPI_MOSI	15	GND
3	IO7/SPI_SS	14	3V3
4	IO8/I2C_SDA/LED/BOOT	13	IO4/ADC1_4/SPI_SCK
5	IO9/I2C_SCL/BOOT	12	IO3/ADC1_3
6	IO10	11	IO2/ADC1_2/BOOT
7	IO20/RX	10	IO1/ADC1_1
8	IO21/TX	9	IO0/ADC1_0

Left labels: T5, T6, T7, SDA, SCL, T8, LED, BTN2
Right labels: +5V, +3V3, +3V3, T1, T2, BTN1, T3, T4

- C2 10u

Power

- H1 PWR_FLAG, MP