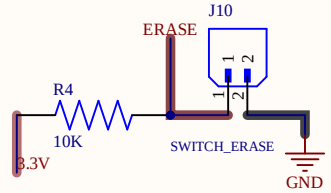
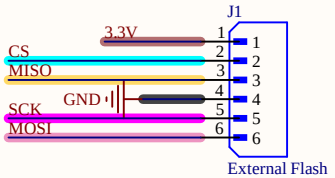
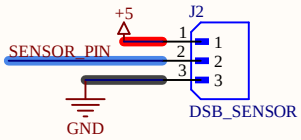
## Flash Erase Mechanism



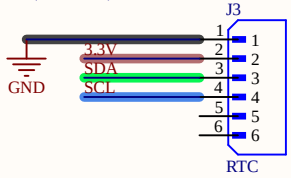

## External Flash (W25Q32) Connections



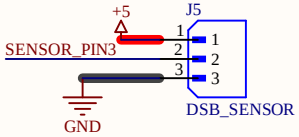

## Temp Sensor (DS18B20) Connections



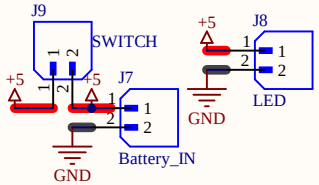

## RTC (DS3231) Connections



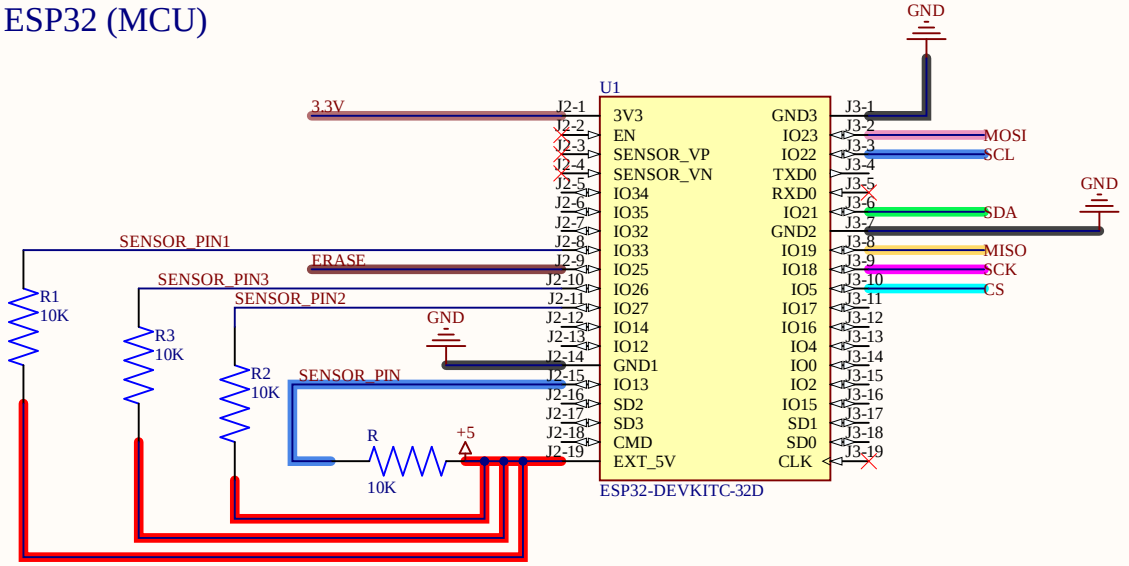

## Temp Sensor3 (DS18B20) Connections



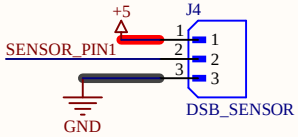

## Battery Connector



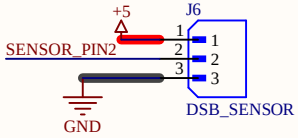

## ESP32 (MCU)



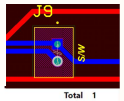

## Temp Sensor1 (DS18B20) Connections




## Temp Sensor2 (DS18B20) Connections




*Ignore this error as switch (J9) will be shorted externally as it will be connected to the placed JST connector.*

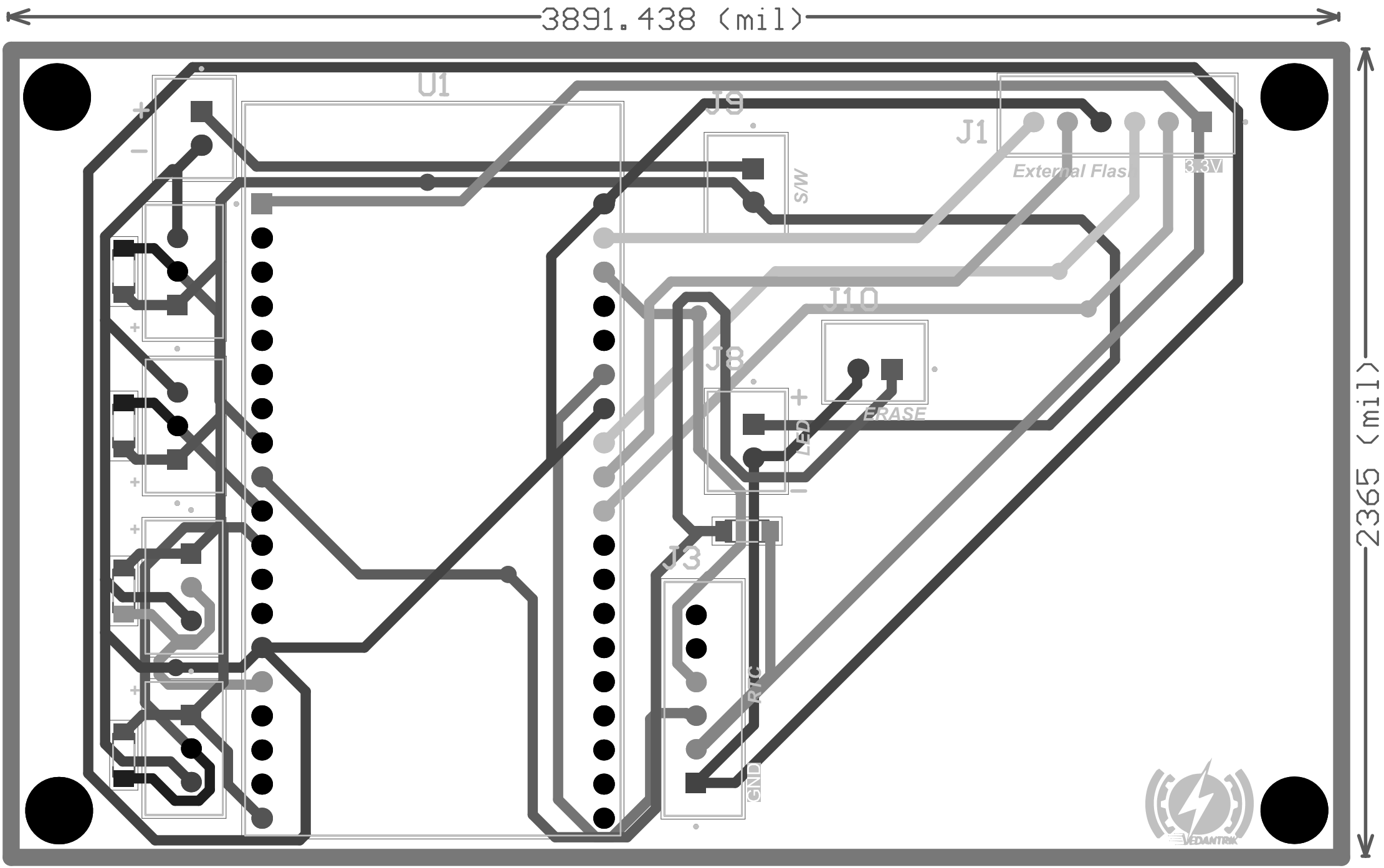



Un-Routed Net Constraint ( (All) )

Un-Routed Net Constraint: Net +5 Between Pad J9-2(3534mil,1974.575mil) on Multi-Layer And Pad J9-1(3534mil,2073mil) on Multi-Layer

*R = R1 = R2 = R3 (All four resistors are of value 10K)*

| | | |
|---|---|---|
| Title: VEDATHERMA | | |
| Size: A4 | Number: | Revision: |
| Date: 2-23-2024 | | Sheet of |
| File: C:\Users\..\Sheet1.SchDoc | | Drawn By: NEERAV DESAI |


3891.438 (mil)
2365 (mil)
U1
J9
S/W
J1
External Flash
3.3V
J10
J8
LED
ERASE
J3
RTC
GND
VEDANTRIK

| Comment | Description | Designator | Footprint | LibRef | Quantity |
|---|---|---|---|---|---|
| External Flash | Connector Header Through Hole 6 position 0.098 (2.50mm) | J1 | JST_B6B-XH-A(LF)(SN) | B6B-XH-A(LF)(SN) | 1 |
| DSB_SENSOR | Connector Header Through Hole 3 position 0.098 (2.50mm) | J2, J4, J5, J6 | JST_B3B-XH-A(LF)(SN) | B3B-XH-A(LF)(SN) | 4 |
| RTC | Connector Header Through Hole 6 position 0.098 (2.50mm) | J3 | JST_B6B-XH-A(LF)(SN) | B6B-XH-A(LF)(SN) | 1 |
| Battery_IN | Connector Header Through Hole 2 position 0.098 (2.50mm) | J7 | JST_B2B-XH-A(LF)(SN) | B2B-XH-A(LF)(SN) | 1 |
| LED | Connector Header Through Hole 2 position 0.098 (2.50mm) | J8 | JST_B2B-XH-A(LF)(SN) | B2B-XH-A(LF)(SN) | 1 |
| SWITCH | Connector Header Through Hole 2 position 0.098 (2.50mm) | J9 | JST_B2B-XH-A(LF)(SN) | B2B-XH-A(LF)(SN) | 1 |
| SWITCH_ERASE | Connector Header Through Hole 2 position 0.098 (2.50mm) | J10 | JST_B2B-XH-A(LF)(SN) | B2B-XH-A(LF)(SN) | 1 |
| 10K | | R, R1, R2, R3, R4 | RES_ERA8ARW103V | ERA8ARW103V | 5 |
| ESP32-DEVKITC-32D | WiFi Development Tools (802.11) ESP32 General Development Kit, ESP32-WROOM-32D on the board | U1 | MODULE_ESP32-DEVKITC-32D | ESP32-DEVKITC-32D | 1 |