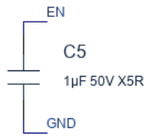
Main Circuit And Support

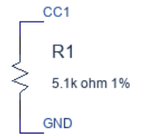
SW1
Tactile switch 5.1x5.1mm SMD



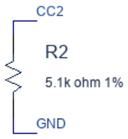
SW2
Tactile switch 5.1x5.1mm SMD

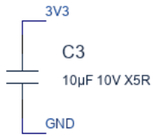


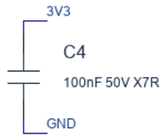




Main Circuit And Support

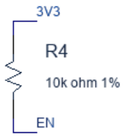


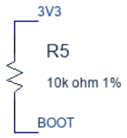


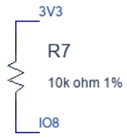


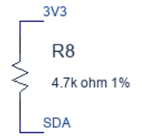


Main Circuit And Support

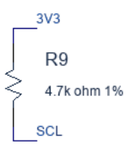








Main Circuit And Support



DESIGN NOTES

Matching net labels identify connected signals.

Assembly and DNP details are stored with each component.

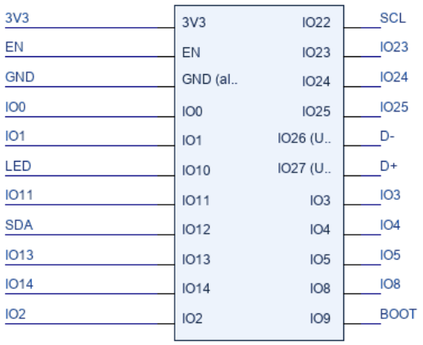
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PROJECT / DOCUMENT			STATUS
Esp32H2 Thread Zigbee Board			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-M13-SCH-001		A3 / LANDSCAPE	1 of 3

Power And Indicators

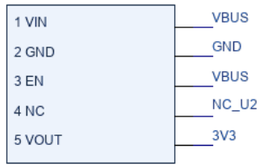
U1

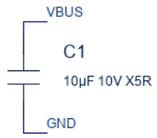
ESP32-H2-MINI-1-N4 BLE 5 + 802.15.4 (Thread/Zigbee) module, 4MB flash

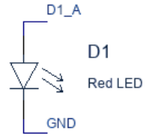


U2

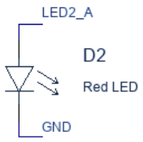
AP2112K-3.3 LDO 600mA

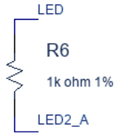


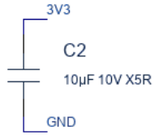




Power And Indicators







DESIGN NOTES

Matching net labels identify connected signals.

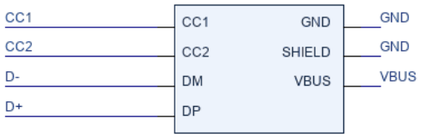
Assembly and DNP details are stored with each component.

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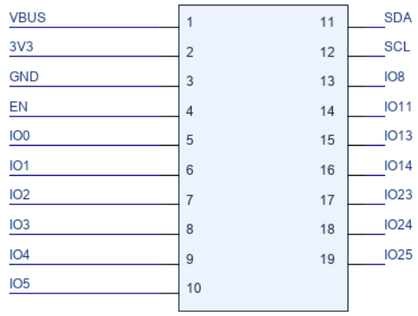
PROJECT / DOCUMENT			STATUS
Esp32H2 Thread Zigbee Board			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-M13-SCH-002		A3 / LANDSCAPE	2 of 3

Connectors

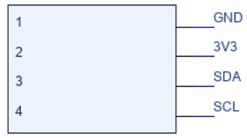
J1
USB-C 16P receptacle (USB 2.0)



J3 DNP
2.54mm male pin header (ship loose)



J4
JST SH 4P R/A (Qwiic/STEMMA QT)



DESIGN NOTES

Matching net labels identify connected signals.

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PROJECT / DOCUMENT			STATUS
Esp32H2 Thread Zigbee Board			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-M13-SCH-003		A3 / LANDSCAPE	3 of 3