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RECORD NUMBER
SAMPLE-B2

PROJECT RECORD · REVIEWED BY AN ENGINEER

A battery sensor node, from schematic to readings

Designed a battery sensor board in KiCad, had it made, built it into a sealed box, and showed with measured data that it sleeps at 21 µA and reports every 10 minutes.

Held by	**Amina Otieno**
Issued	**25 November 2026**
Study time	**38 hours across the courses below**
How assessed	**The design files, the built node and a week of its readings, reviewed by a SiliconWit engineer against five stated checks**

RESULT

5 of 5

All checks met

WHAT THE REVIEWER CHECKED

✓	Schematic passes the electrical rules check	0 errors
✓	Board passes the design rules check	0 errors
✓	Sleep current, measured	21 µA on the bench
✓	Battery life from the measured current	about 7 months on 1,000 mAh
✓	Readings arrive on SiliconWit.io	every 10 minutes for 7 days

COURSE

PCB Design with KiCad · Embedded Programming: ESP32 · The lesson this sample follows

CONFIRM THIS RECORD

Scan the code or open `siliconwit.com/r/SAMPLE-B2`. The page shows whether the record still stands. A copied image proves nothing; the page does.

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SAMPLE