

SmartRoller Beacon Design Comparison & Variations

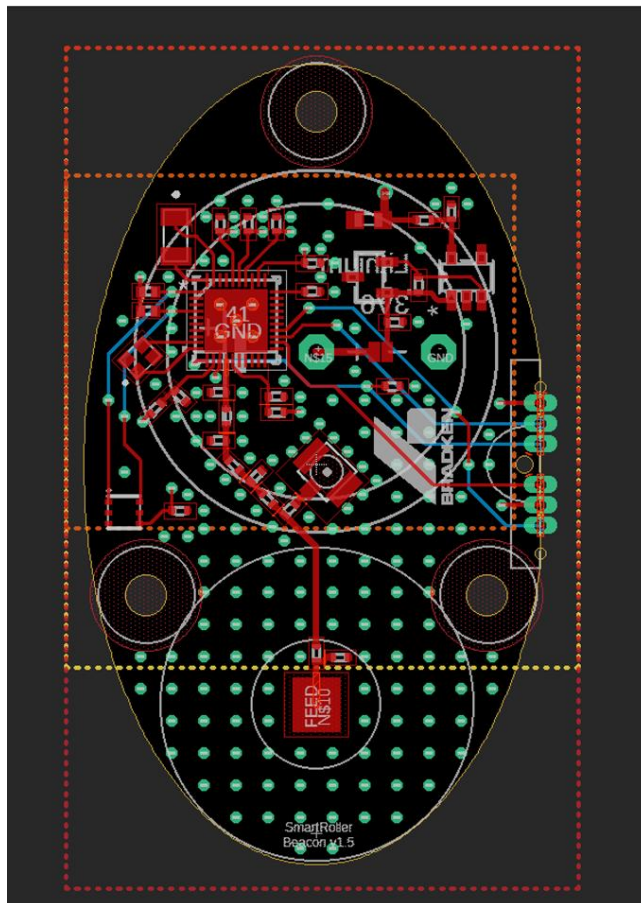
SRBEACONOFF-R0 is very similar in design to SRBEACONFLAT-R1. The key differences implemented in

SRBEACONOFF-R0 are as follows:

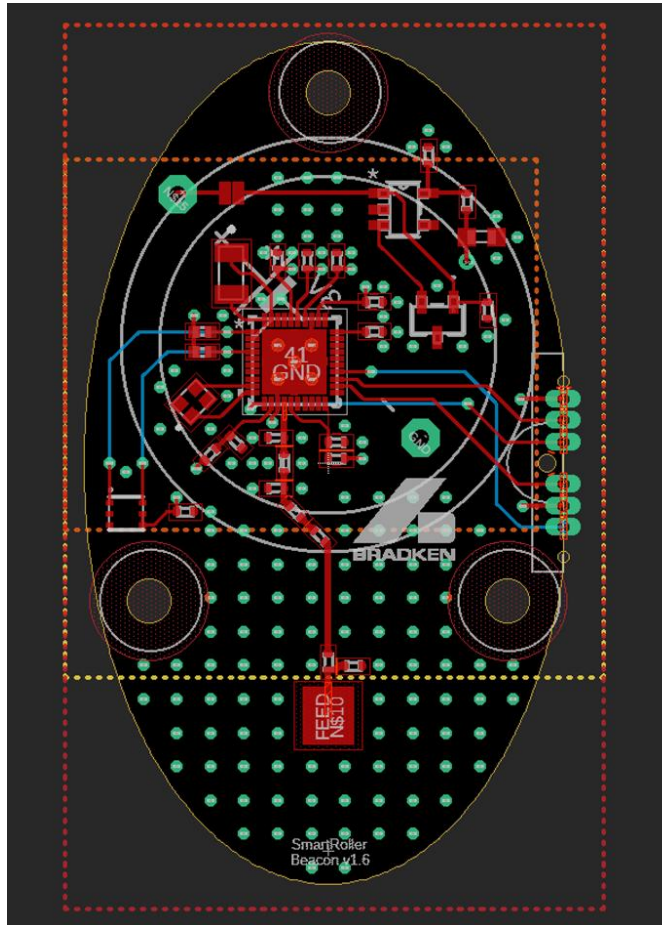
- **Battery Change:**
Replaced Fanzo ER2450 with Panasonic CR2477/HFN
- **PCB Layout Modification:**
Updated the PCB layout to accommodate differences in battery terminal placement
- **RF Design Adjustment:**
Removed the U.FL test port from the RF feed line

All other BOM components and schematic details remain identical between the two models. The differences in layout are illustrated below:

Model: SRBEACONFLAT-R1



Model: SRBEACONOFF-R0



Enclosure Design Variants

We have two enclosure design options for the beacon:

Model: SRBEACONFLAT-R1 (Flat Centre Hole)

- Standard design with a **central mounting hole**
- Maintains a flat surface profile

Alternative Design SRBEACONOFF-R0: Flat Offset Hole

- Features an **offset retention bolt** and **jacking screw mechanism**
- Designed for improved mounting flexibility in constrained spaces

Both enclosure designs have **identical internal geometries**, ensuring consistent housing of the electronics package without impacting performance.

Model: SRBEACONFLAT-R1 (Centre Hole)



Model: SRBEACONOFF-R0 (Offset Hole)

