

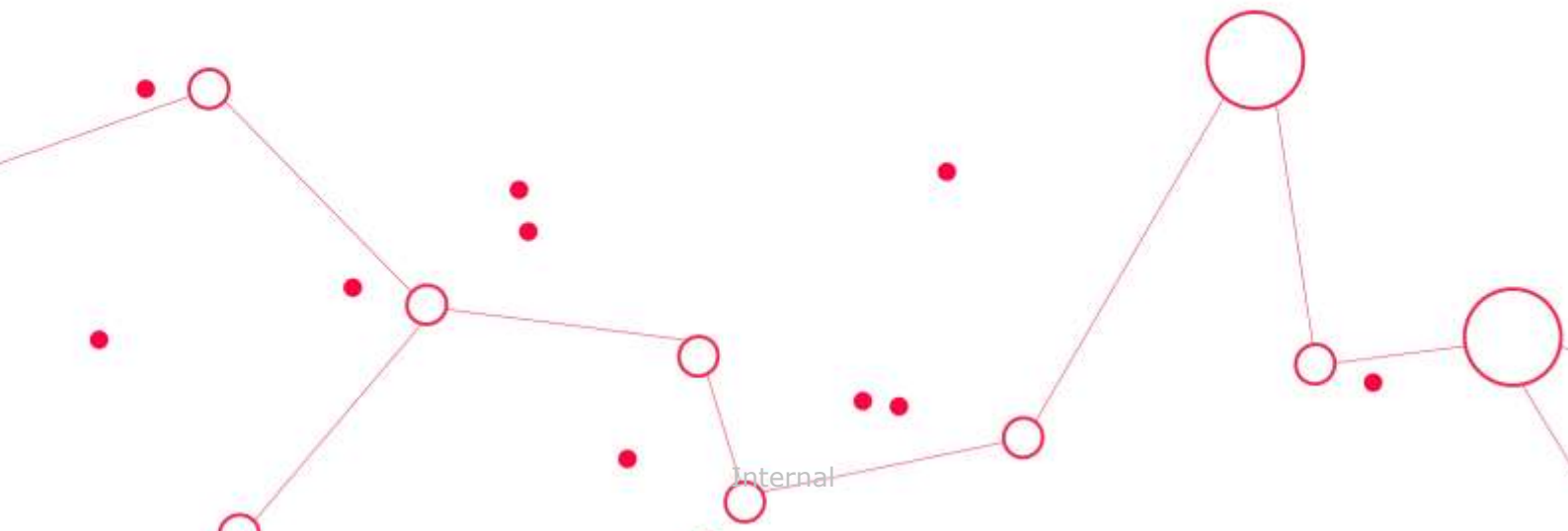


20251006 SVO Antenna (Inverted F)



FECHA: 06/10/2025

RESPONSABLE: Antonio Cid



Internal

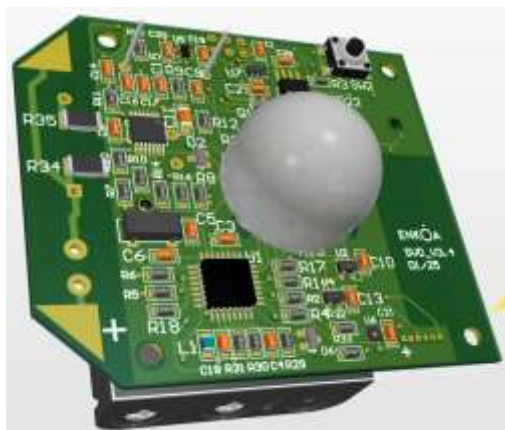
Model:SVOxlxS
FCC ID 2ASEQSVOXIXS
Ceiling surface mounted motion sensor



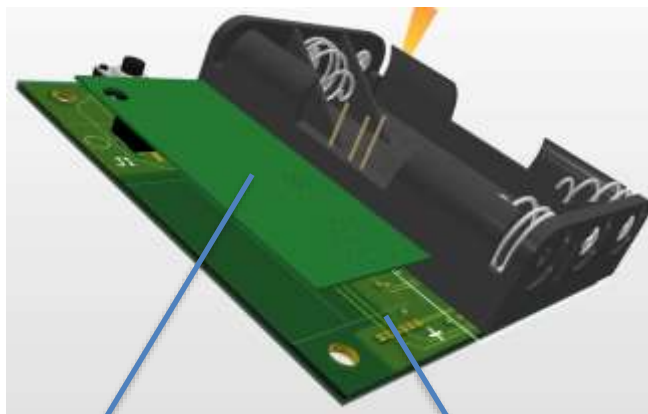
The motion sensor is a passive infrared detector device that detects people movement through the room, and measures temperature and humidity. It has wireless communication (2.4GHz, IEEE802.15.4)

Images taken from Altium 3D. Top and bottom:

TOP VIEW



BOTTOM VIEW



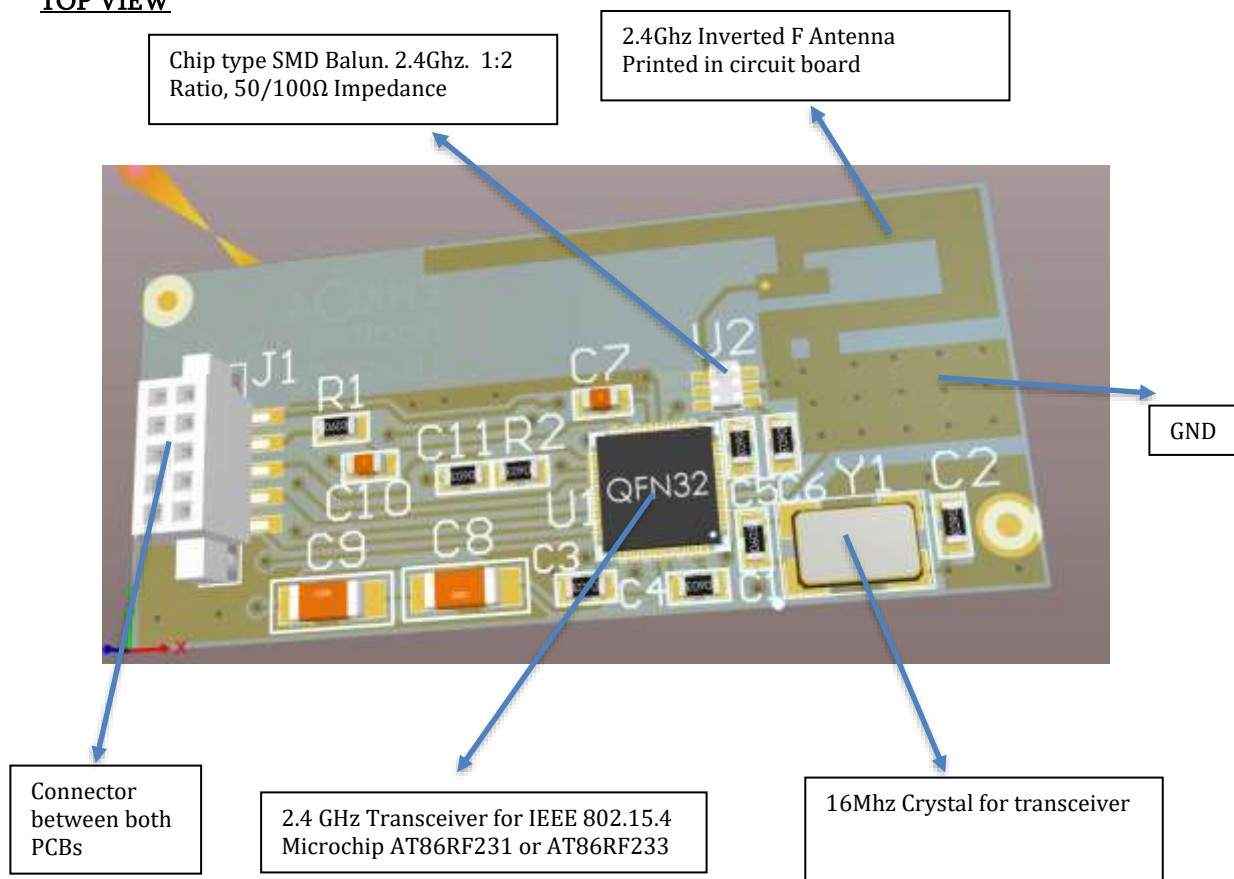
MODBEE Radio Module.
Separate PCB. Connected to the main PCB by a connector.
Designed by Enkoa
It is not a pre-certified module
Inverted F Antenna

Main PCB.
No hay radio en esta placa.

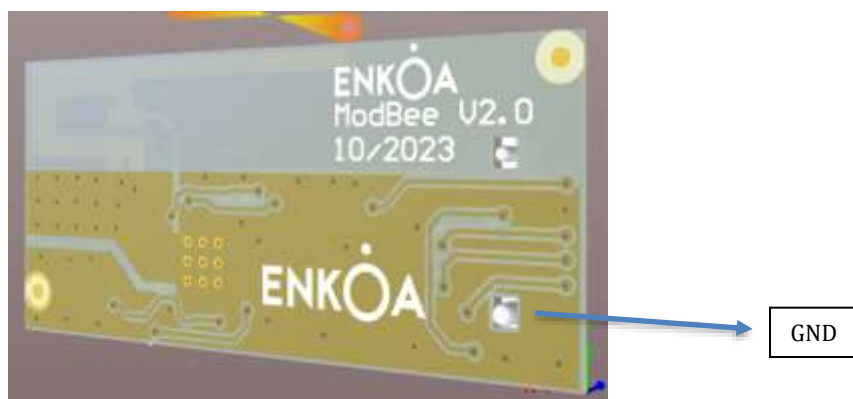
MODBEE Radio Module

2 layer PCB / FR4 / 0.8mm

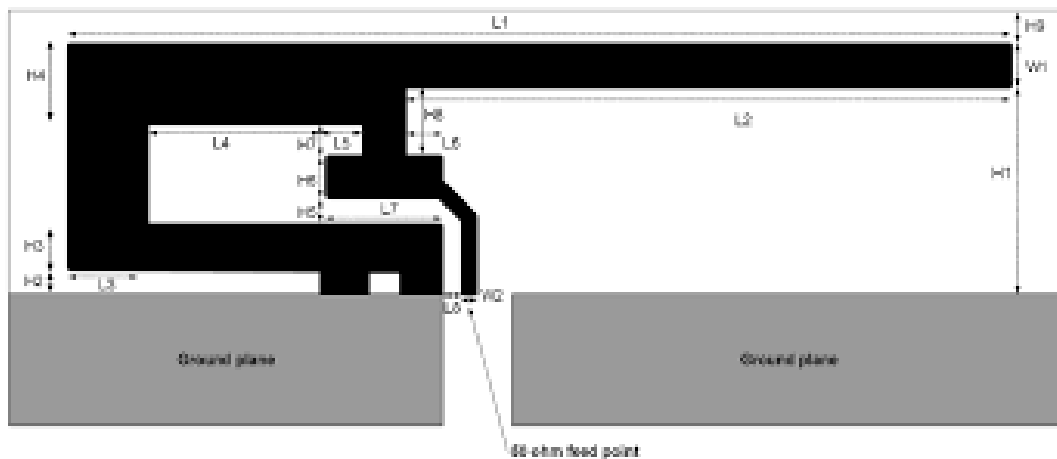
TOP VIEW



BOTTOM VIEW

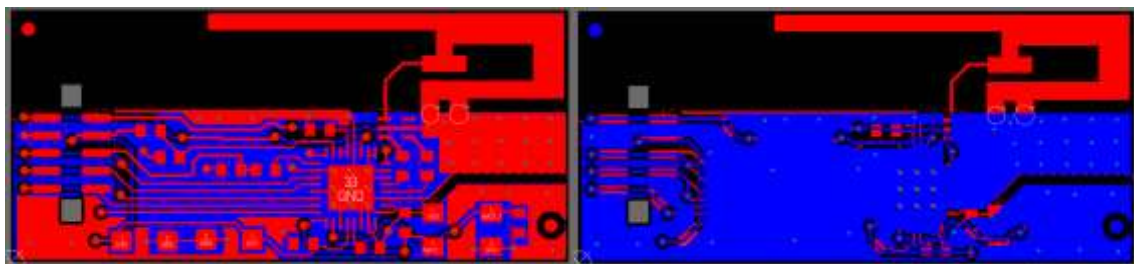


The antenna is an inverted F antenna routed on the same PCB.



Ground Plane

TOP in Red // BOT in Blue



The antenna design is based on the attached application note from the manufacturer Texas Instruments.

swru120d Application Report 2.4-GHz Inverted F Antenna TI.pdf