

## REDARC - Antenna PCB3367 Specification

Product related: EBRHX-ADH-RH

FCC ID of the product related: 2BAH6-  
EBRHXADHRH

REV	Date	Description of changes
1	18/July/2024	Initial release

## Contents

<b>1.</b>	<b>Scope.....</b>	<b>4</b>
<b>1.</b>	<b>Antenna Specification .....</b>	<b>5</b>
<b>2.</b>	<b>General Specification .....</b>	<b>6</b>

### Table of Figures

Figure 1: 3D view of the Bluetooth antenna .....	6
Figure 2: Bluetooth Antenna Top Layer .....	7
Figure 3: Bluetooth Antenna Bottom Layer .....	8

### 1. Scope

This document provides the antenna PCB3367 specifications for REDARC's product EBRHX-ADH-RH, under the FCC ID 2BAH6-EBRHXADHRH.

The antenna PCB3367 is a circuit-printed inverted F-type monopole antenna over the board of the product EBRHX-ADH-RH designed specifically for EBRHX-ADH-RH to communicate with a wireless device manufactured by REDARC.

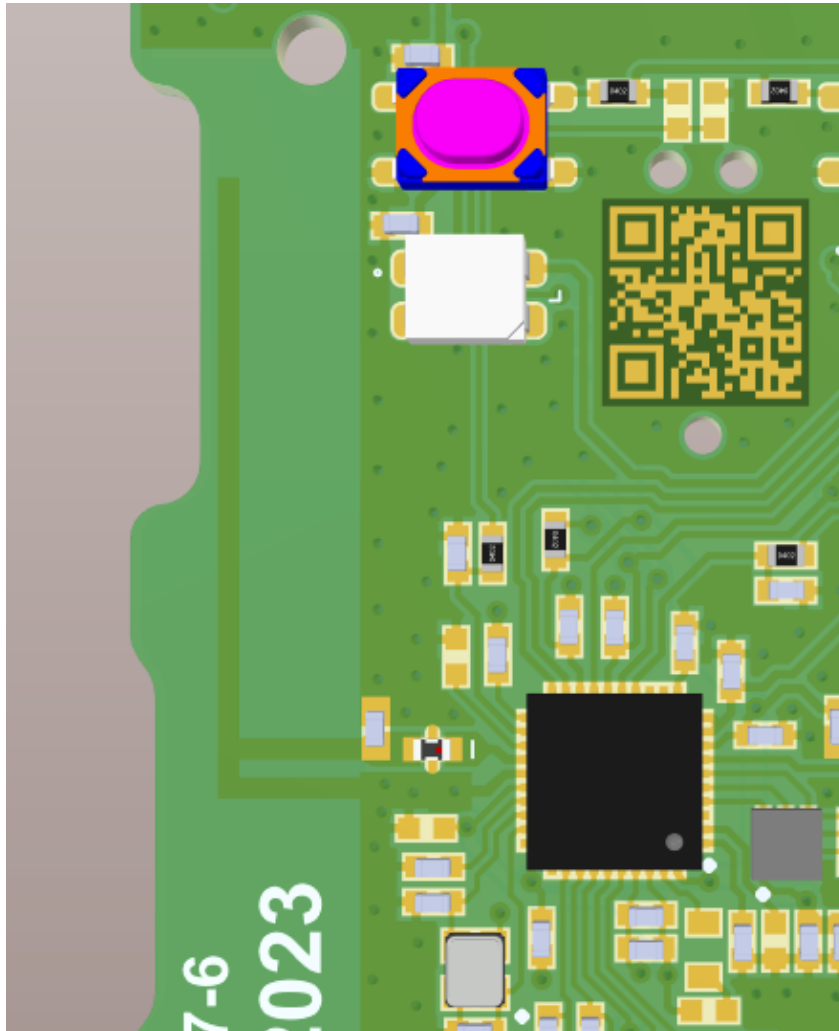
This means that the antenna is not a product itself and is part of the circuit board of EBRHX-ADH-RH.

### 1. Antenna Specification

Modulation	GFSK
Nominal Bandwidth	2MHz (Bluetooth Low Energy)
Antenna Model/Type	PCB3367 inverted-F type monopole (PCB circuit Printed)
Antenna Gain	1.1dBi
Frequency Band	2.4GHz ISM Band (2.402 – 2.480 GHz Utilized)
Polarization	Vertical
Input Impedance	50 ohms

## 2. General Specification

The EBRHX-ADH-RH antenna poses its F-type monopole antenna used in the device, is shown in Figure 1 through Figure 3. No ground plane under and around the PCB antenna.



*Figure 1: 3D view of the Bluetooth antenna*

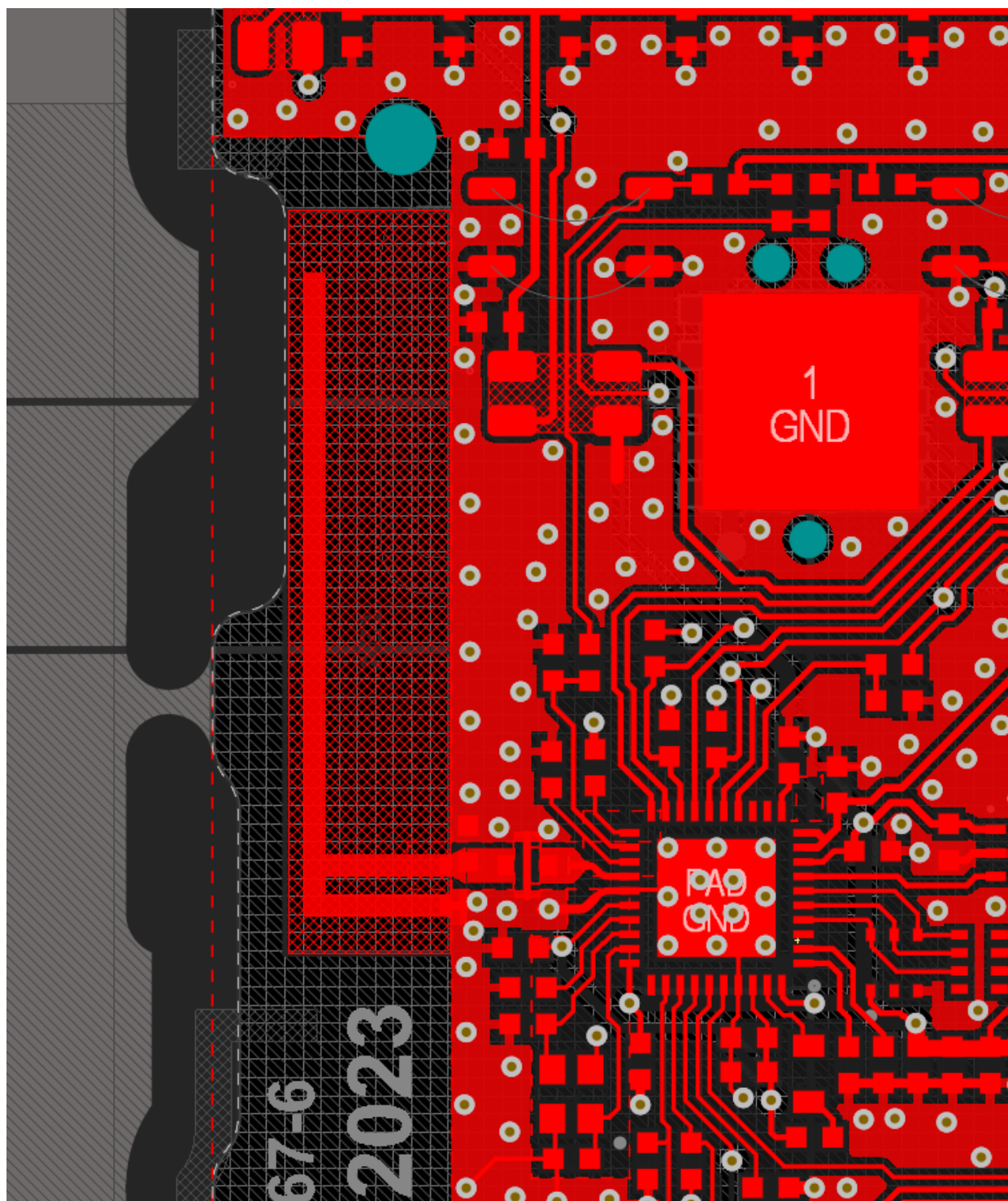


Figure 2: Bluetooth Antenna Top Layer

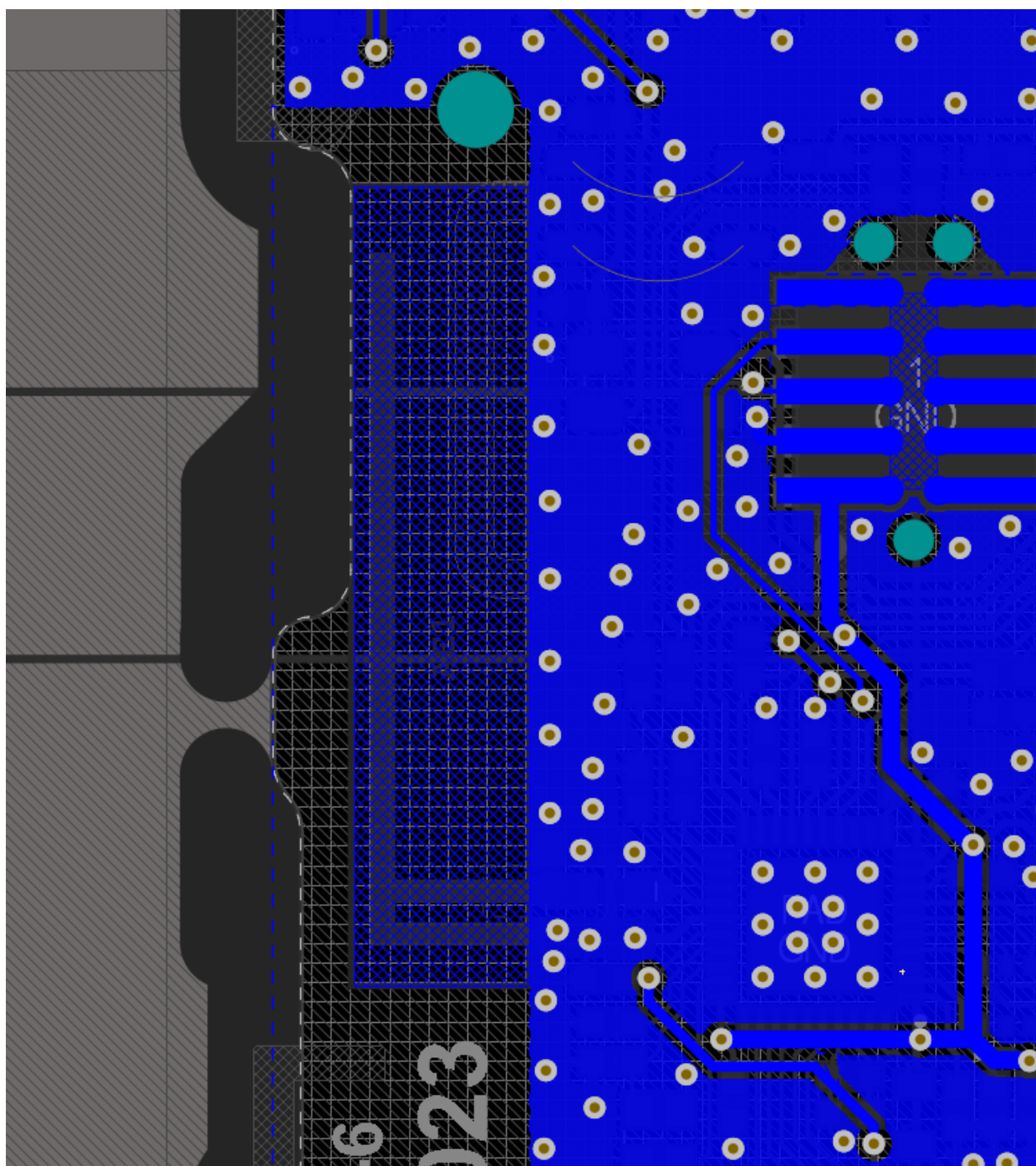


Figure 3: Bluetooth Antenna Bottom Layer