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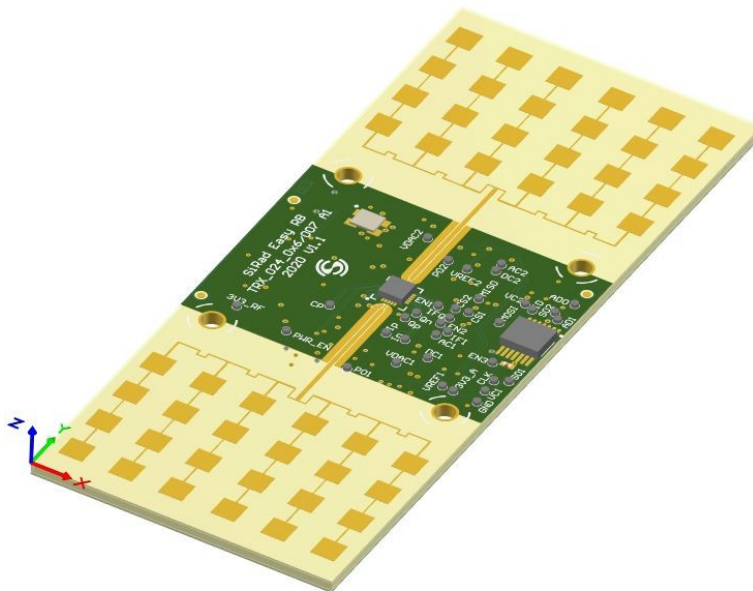
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Product Sheet

SiRad Easy[®] r4

Radar Front End (RFE) Board

TRX_024_046*



* Available as SiRad_Easy_r4_RFE_TRX_024_046+.

Status:	Date:	Author:	Filename:	
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1.0	-	-	-	1 of 5

Version Control

Version	Changed section	Description of change	Reason for change
1.0	all		Initial document

Table of Contents

1	Hardware	3
2	Specifications	3
3	Mechanical Drawing.....	3
4	Pinout Description.....	4
5	Modular System	4

1 Hardware

- Pluggable 24 GHz front end board with single channel radar transceiver [TRX_024_046](#)
- 98 mm x 40 mm PCB with 4 x M2.5 screw holes
- Powered by SiRad Easy® r4 Base Board
- Target detection status LED
- 3 x Base Board connectors mounted (P1, P2, P3)

Required: [SiRad Easy® r4 Base Board](#).

2 Specifications

Parameter	Value
Size	98 mm x 40 mm x 8 mm
Weight	15.8 g
Power Supply	Provided by SiRad Easy® r4 Base Board, only
Interfaces	3 x Base Board connectors mounted (P1, P2, P3) <ul style="list-style-type: none"> • 2 x signal I/O port (10 pins), BTB connector (0.5 mm pitch) • 1 x signal I/O port (20 pins), BTB connector (0.5 mm pitch)

The electrical characteristics for the mounted radar transceiver can be found in the [TRX_024_046](#) data sheet.

3 Mechanical Drawing

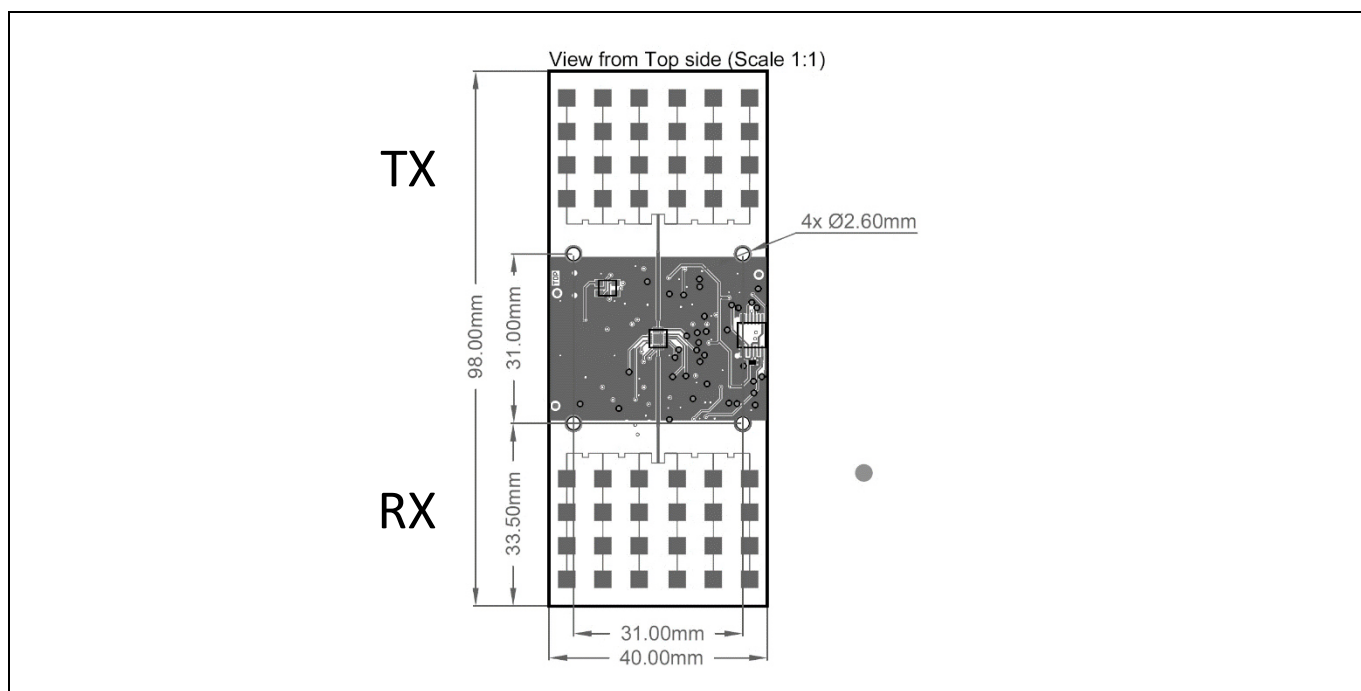


Figure 1 Mechanical Drawing

4 Pinout Description

Below figures show the pinout descriptions of the Base Board connectors and connected test points.

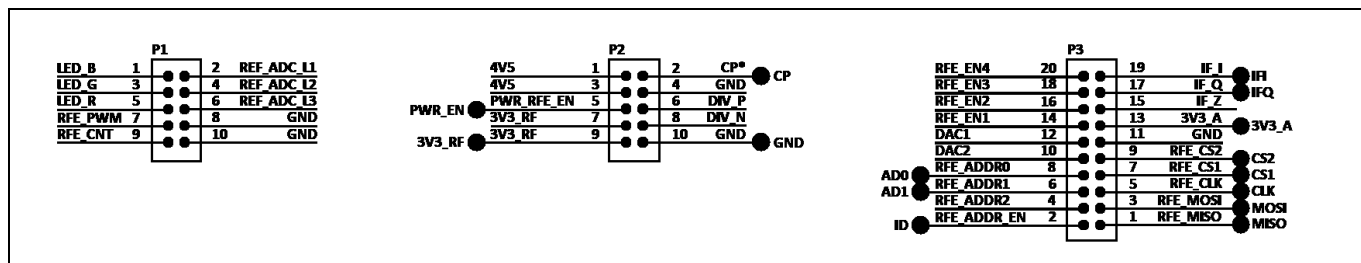


Figure 3 Pinout Description - Version 1.0 / 1.1

5 Modular System

The SiRad Easy® r4 RFE Board TRX_024_046 is part of the [SiRad Easy® r4](#) modular evaluation kit, consisting of Base Board, exchangeable RFE boards covering select radar transceivers of Silicon Radar’s portfolio, Breakout Board and other accessories. A detailed description and compatibility information of related parts can be found under [SiRad Easy® r4 Boards & Accessories](#).

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