

# Shenzhen Lingdong Intelligent Technology Co., Ltd

2AANZMODB-ECL

Customer:

Sample Name: BT Module

Sample Number: 2AANZMODB-ECL

Signature:

DATE:

TESTED BY	CHECKED BY	APPROVED BY
MARK	WELL	JIAN

Customer Signature:

TESTED BY	CHECKED BY	APPROVED BY

PCB Size: 54.0mm\*33.0mm\*1.6mm

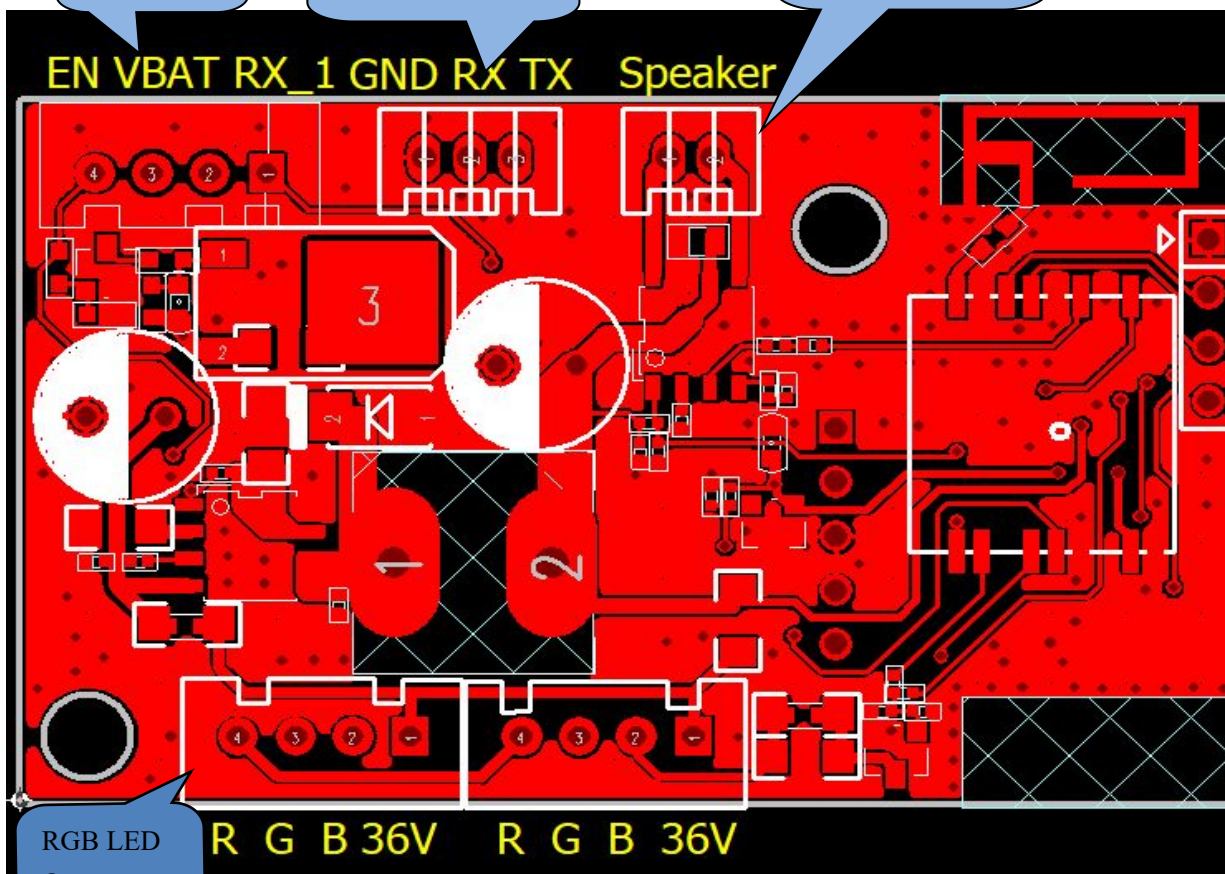
Power input  
2.54mm X4

BLE APP UART  
2.0mm X3

TOP Layer

Speaker Output  
2.0mm X2

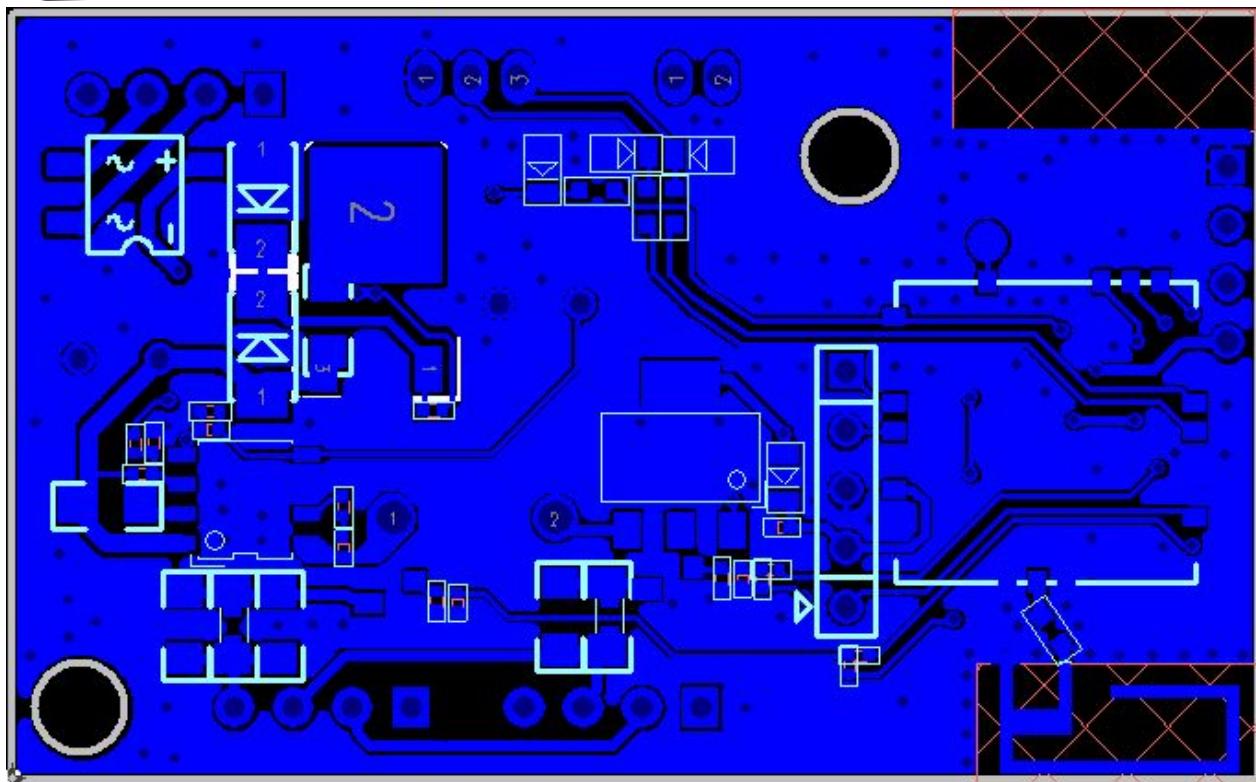
EN VBAT RX\_1 GND RX TX Speaker



RGB LED  
Output  
2.54mmX4

R G B 36V R G B 36V

Bottom layer



**Function:**

- 1、Driving 36V RGB LED;
- 2、Bluetooth Music&APP;
- 3、Mono Output;

**Port specification:****Power input**

EN: Enable input boot up

VBAT: Power &Ground Input

RX\_1: UART TX Input

**BLE APP UART:**

GND:Power Ground

RX:BLE UART RX

TX:BLE UART TX

Speaker :Speaker Output

**RGB LED Port:**

R: Red light signal output

G: Green light signal output

B: Blue light signal output

36V: 25V-42V Power Output

**Product specification:**

Input voltage range: 15V~42.5V

Enable input voltage range: 3.3V~5V

Hardware version: V2.12

Speaker Spec:  $4\Omega$  3W、 $2\Omega$  5W

Operating Ambient Temperature:  $-20 \sim +80^{\circ}\text{C}$

Frequency: 2.402GHz~2.480GHz