



# DX-BT27-A

## MODULE SPECIFICATION

Version: 1.0

Date: 2023-04-01





## Update record

Version	Date	Illustrate	Author
V1.0	2023/04/01	Initial Version	DL

## Contact Us

**Shenzhen DX-SMART Technology Co., Ltd.**

Email: [sales@szdx-smart.com](mailto:sales@szdx-smart.com)

Tel: 0755-29978125

Web: [www.szdx-smart.com](http://www.szdx-smart.com)

Add: Room 601, Block A1, Huafeng Zhigu, Hangkong Road, Baoan District, Shenzhen



## 1.1. Base Board Pin Description

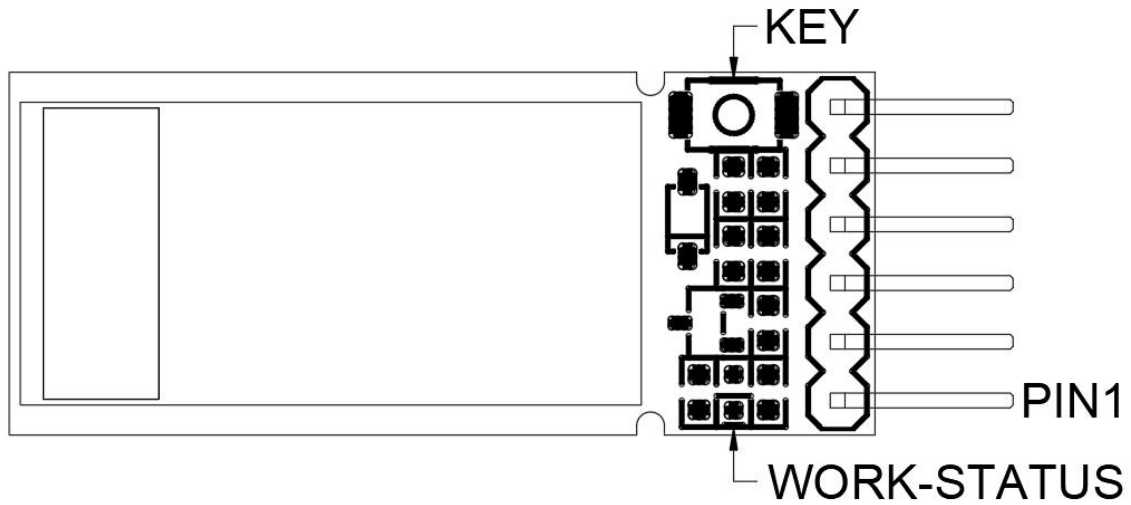


Table 1: TOP VIEW

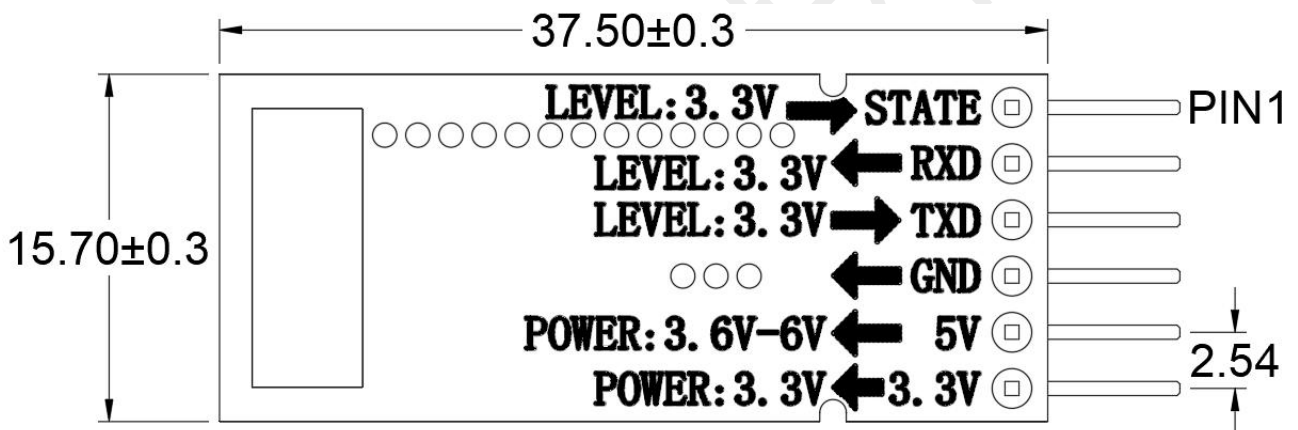


Table 2: bottom view

Pin number	Pin name	Pin function	illustrate
1	STATE	Bluetooth connection status pin	Not connected: Output low level Connection Status: output high level
2	RXD	Serial data input	UART-RX
3	TXD	Serial data output	UART-TX
4	GND	Power Ground	
5	5V	Power input pin	5V(Typical value)
6	3.3V	Power input pin	3.3V(Typical value)
7	KEY	Disconnect pin	For details, please refer to 1.2



		Enter pairing mode	For details, please refer to 1.2
8	WORK-STATUS	Module working status output pin	slave module Not connected: 1s high 1s low Connection Status: 3s high 50ms low
			Master module Searching and connecting: 300ms high 300ms low Connection status: always high

**NOTE**

Please refer to the BT27 manual for module specific parameters

**1.2. KEY Pin Definition**

**Table 3: KEY pin function definition table**

Program	State	Method of operation	result
slave module	Connection Status	Pull down the KEY pin for at least 200ms and then release	disconnect
	standby mode	Pull the KEY pin low for at least 100ms (can be released after being connected)	pairing mode
master module	Connection Status	Pull down the KEY pin for at least 200ms and then release	disconnect
	standby mode	Pull down the KEY pin for at least 200ms and then release	Clear memory address code

**Remark**

Pairing mode: After the slave module enters pairing mode, after the search mode of the master module is set to pairing mode, the master module will automatically connect to the slave module. This pairing mode is only valid for our main module.