

Ling-TR2L Specifications

1. Introduction

Ling-TR2L module adopts 2.4G SOC technology; development free, integrated and transparent serial transmission. As long as users understand serial port communication, without complex wireless communication knowledge, they can complete the development of wireless remote control products.

2. Features

- 2.4Ghz ISM band with 128 channels adjustable
- power supply voltage: 1.8-3.6V
- reception sensitivity-95dBm
- emission working current 19.7mA
- dormant current is about 5uA
- Standard TTL level UART serial port

3. Application field

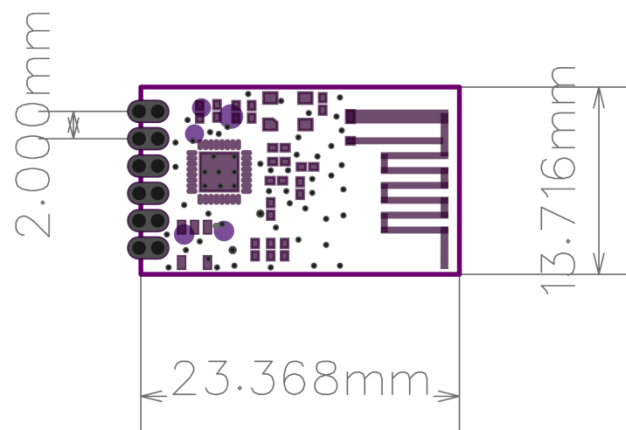
Remote-control 、 data collection f、 mart home

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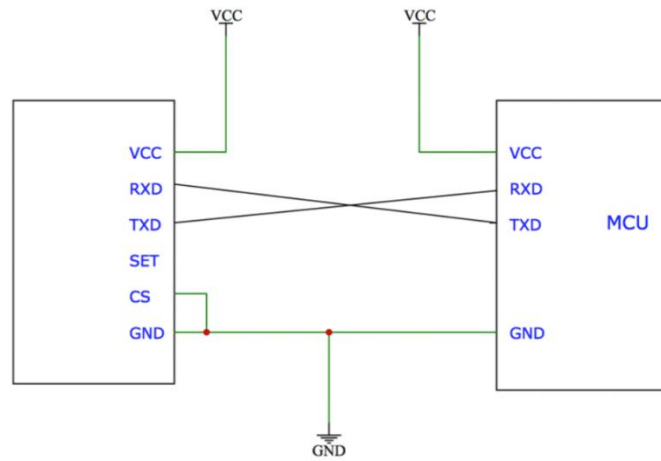
4. Definition

Name	Feet function	Description
VCC	Power+	1.8~3.6V, Typical 3.3V
RXD	data input (TTL)	Serial port communication data reception
TXD	data output (TTL)	Serial port communication data transmission
SET	set up	Configuration parameter enabling (low level enabling parameter configuration, suspended for high level)
CS	dormancy	Work at low levels, hang up and sleep at high levels
GND	Power-	Power-

5. Product size



6. Typical circuit diagram



FCC statements:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction. Federal Communication Commission (FCC) Radiation Exposure Statement Power is so low that no RF exposure calculation is needed. This device is intended only for OEM integrators under the following conditions:

1. The antenna must be installed such that 20 cm is maintained between the antenna and users.
2. The transmitter module may not be co-located with any other transmitter or antenna. As long as the two conditions above are met, additional transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required for the installed module.

Important Note: In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the Federal Communications Commission of the U.S. Government (FCC) and the Canadian Government authorizations are no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator shall be responsible for re-evaluating the end-product (including the transmitter) and obtaining a separate FCC authorization in the U.S. and Canada.

OEM Integrators - End Product Labeling Considerations: This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains, FCCID: 2A3VI-LING-TR2L". The grantee's FCC ID can be used only when all FCC compliance requirements are met.

OEM Integrators - End Product Manual Provided to the End User: The OEM integrator shall not provide information to the end user regarding how to install or remove this RF module in end product user manual. The end user manual must include all required regulatory information and warnings as outlined in this document.