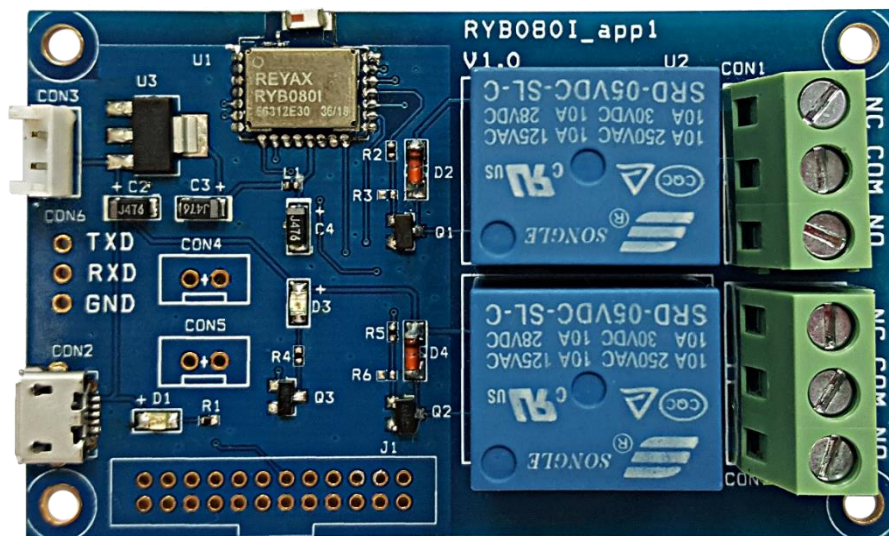


RXB080I_app1

2 Channel relay control board

Datasheet



PRODUCT DESCRIPTION

The RVB080I_APP1 is a control panel with two sets of Relay and Bluetooth v4.2 & v5.0 Low Energy Module.

By using the AT command which is developed by REYAX, your products could be fast and easily connected with smartphones and all kinds of Bluetooth devices.

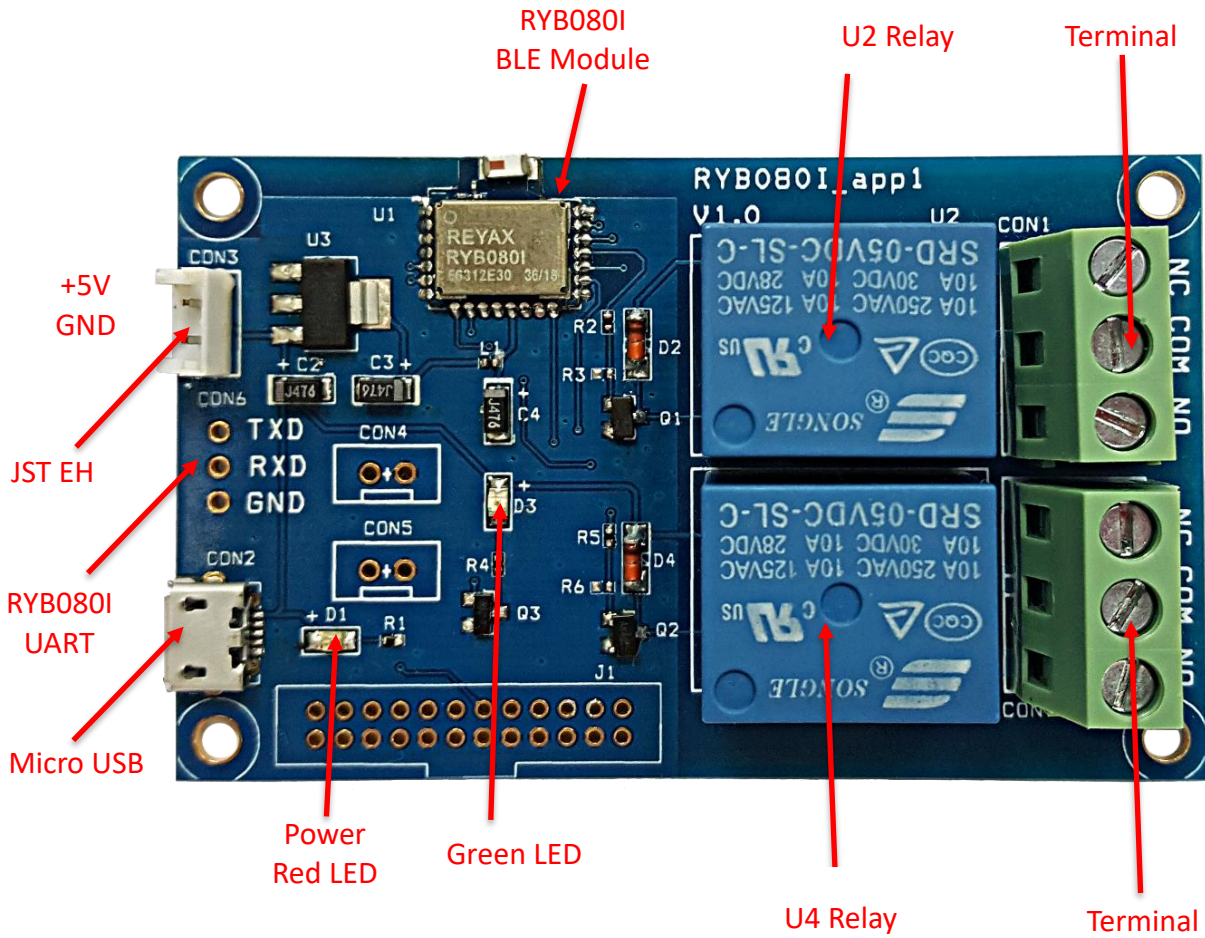
FEATURES

- Bluetooth v4.2 & v5.0 with Bluetooth Low Energy
- REYAX RVB080I Industrial core
- Control easily by AT commands
- Provide app source code

APPLICATIONS

- Power switch control
- Light control
- Gate control
- Fan control
- Electrical products

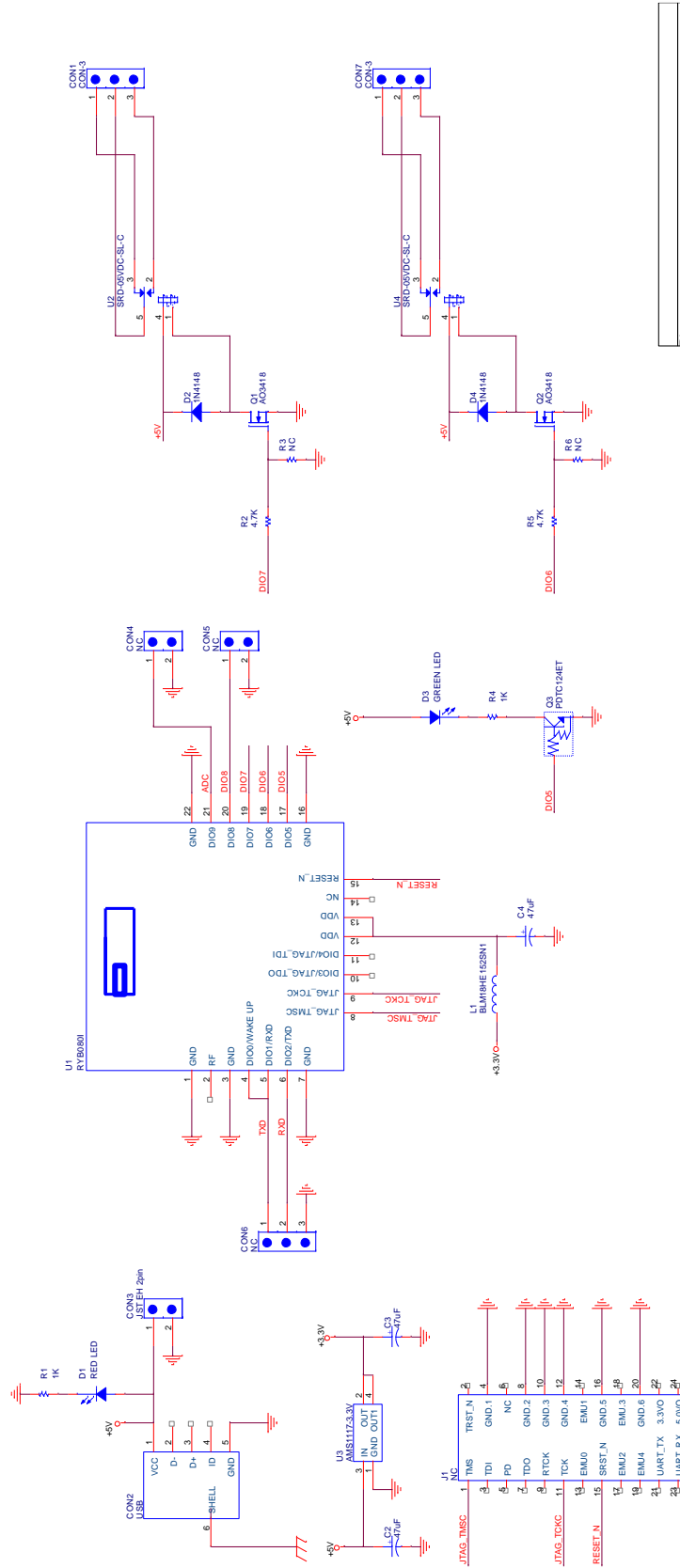
MODULE INTRODUCTION



SPECIFICATION


Item	Min.	Typical	Max.	Unit	Condition
Operation Voltage	4.7	5	5.3	V	Micro USB, JST EH
RF Output Power	-21		5	dBm	
Active Current			200	mA	
Relay Contact rating			10A 30VDC 10A 250VAC		
Relay Operate time		20		ms	
UART Baud Rate		9600	115200	bps	
RF Frequency Range	2400		2483.5	MHz	
Flash erase cycles		100		K	Cycles
Operating Temperature	-40	25	+85	°C	
Weight		35		g	

SCHEMATIC



Title	REYAX RYB080I_app1
Size	Component Number
DATE	Tuesday, October 09, 2019
Sheet	1 of 1
Rev	1.0

USING RYB080I TO CONTROL RYB080I_app1

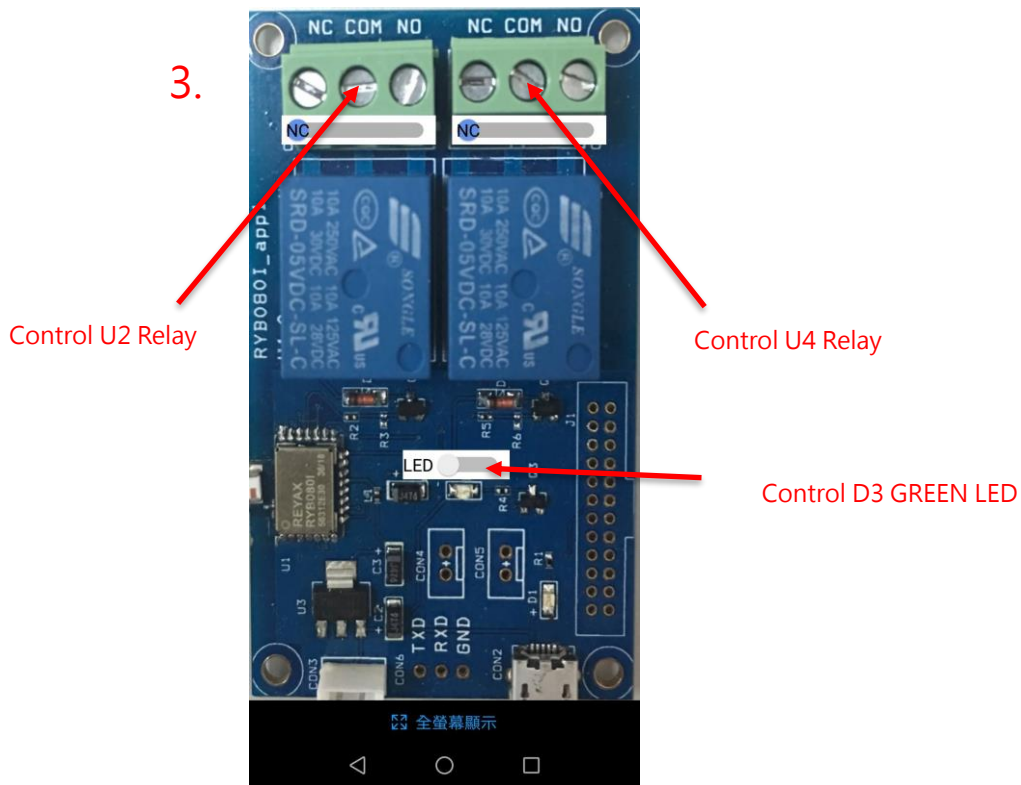
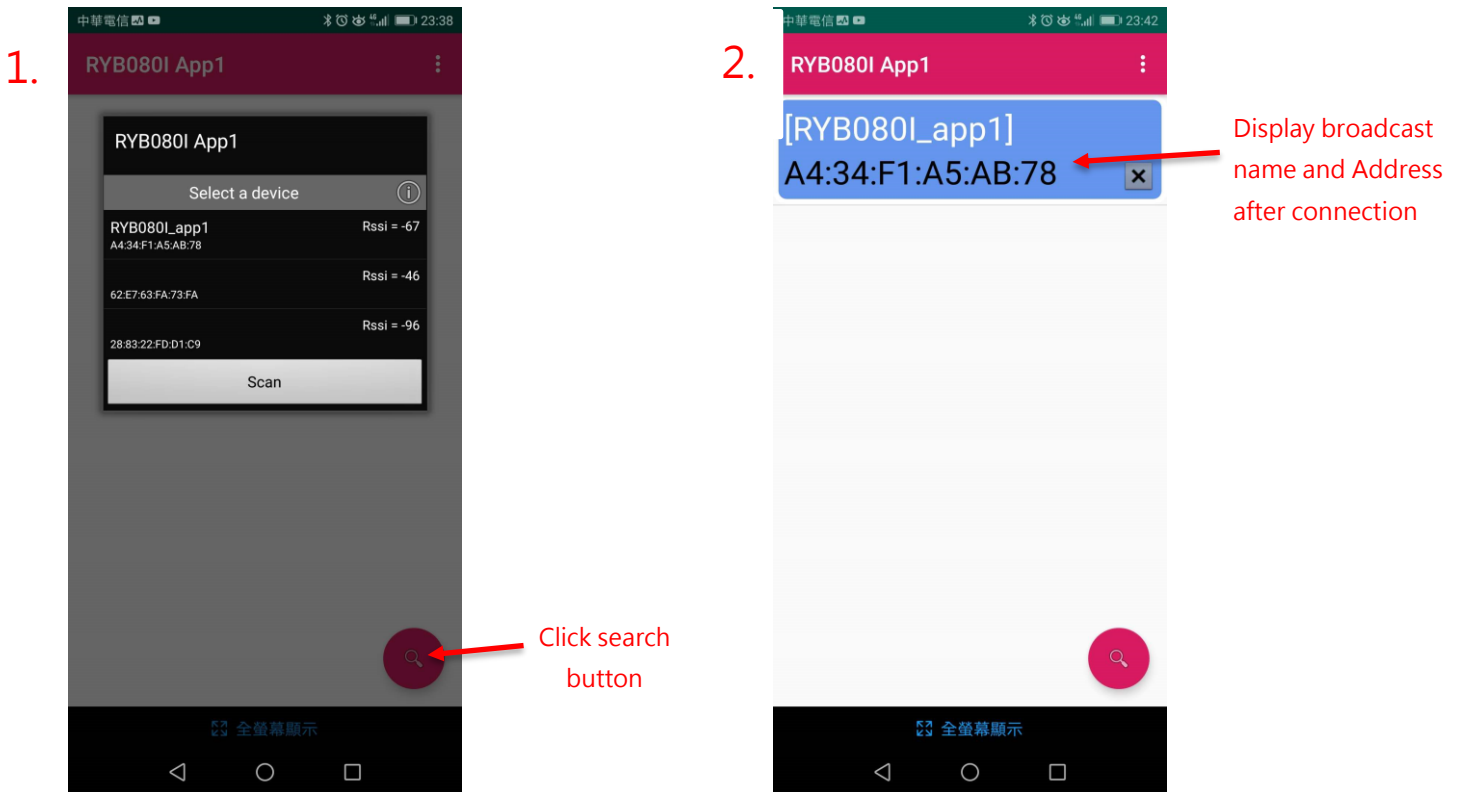
1. After using RYB080I Bluetooth module  to connect RYB080I_app1



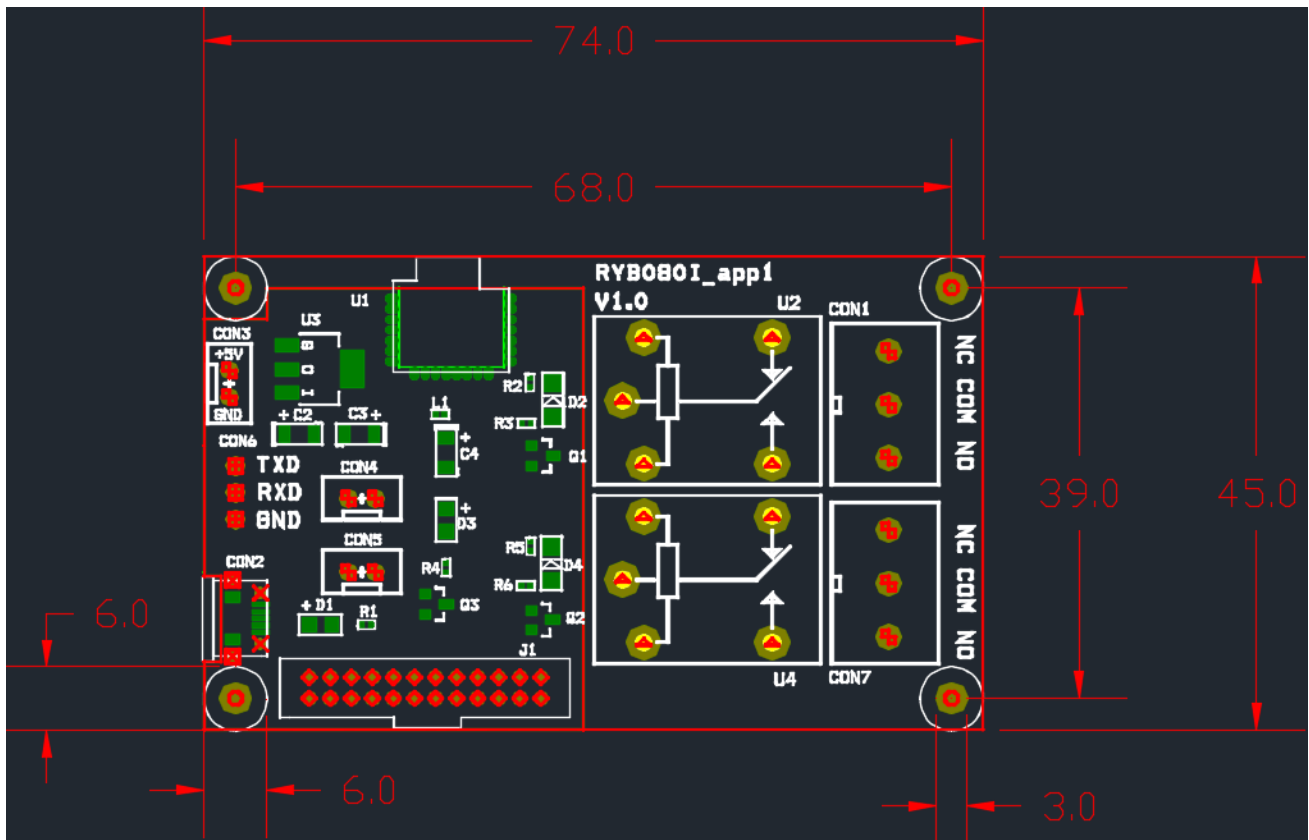
2. Send **AT+GPIO=5,0\r\n set DIO5** to 0 : Turn off D3 GREEN LED
Or send HEX code 41542b4750494f3d352c300d0a
3. Send **AT+GPIO=5,1\r\n set DIO5** to 1: Turn on D3 GREEN LED
Or send HEX code 41542b4750494f3d352c310d0a
4. Send **AT+GPIO=6,0\r\n set DIO6** to 0: Let U4 Relay NO turn to NC
Or send HEX code 41542b4750494f3d362c300d0a
5. Send **AT+GPIO=6,1\r\n set DIO6** to 1: Let U4 Relay NC turn to NO
Or send HEX code 41542b4750494f3d362c310d0a
6. Send **AT+GPIO=7,0\r\n set DIO7** to 0: Let U4 Relay NO turn to NC
Or send HEX code 41542b4750494f3d372c300d0a
7. Send **AT+GPIO=7,1\r\n set DIO7** to 1: Let U4 Relay NC turn to NO
Or send HEX code 41542b4750494f3d372c310d0a
8. Edit RYB080I_app1 broadcast name to RYB080I_app1
After sending string **AT+NAME=RYB080I_app1\r\n**, reset the power or send HEX code 41542b4e414d453d525942303830495f617070310d0a reset power

USING APP TO CONTROL RYB080I_app1

After download Android RYB080I app on REYAX website



DIMENSIONS



Unit : mm PCB thickness: 1.6mm Relay height 15.8mm

REYAX
TECHNOLOGY CORPORATION, LTD

Taiwan: sales@reyax.com
China: sales@reyax.com.cn
<http://reyax.com>