

SIM800H Mini Dev Board

Note

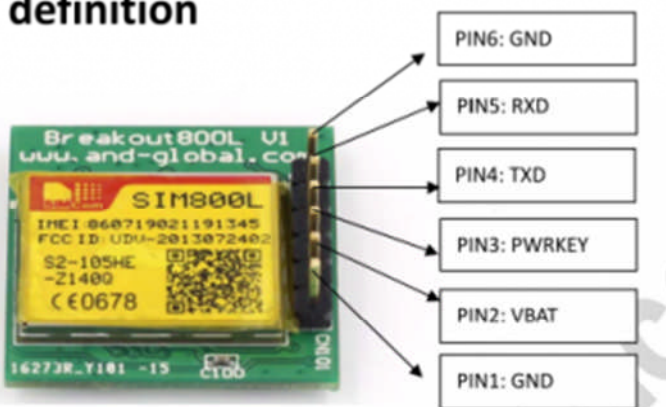
- VBAT MUST be lower than 4.4V, 4.0V is recommended, and TXD/RXD are TTL level which can be directly connected with MCU.
- Bluetooth must have enough current, USB power cannot supply enough current
- Test pin: Should confirm whether SIM card is inserted, and voltage test points should be 2.8V.

LED status

- Off SIM800H/L is not running
- 64ms On/800ms Off SIM800H/L not registered the network
- 64ms On/3000ms Off SIM800H/L registered the network
- 64ms On/800ms Off GPRS communication is established

Pin Definition

3. Pin definition



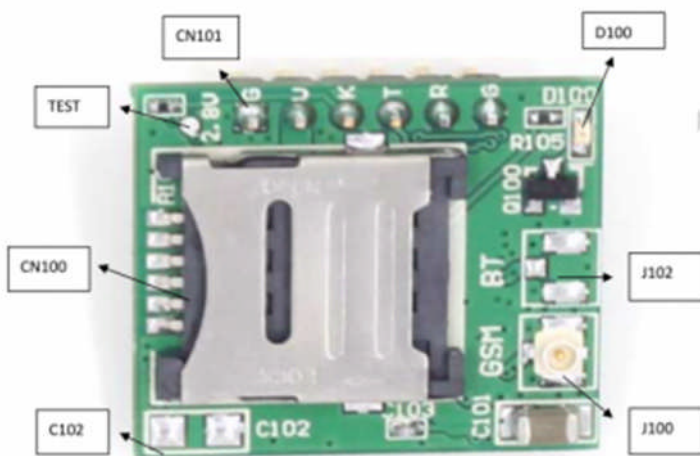
name	pin	mark on pcb	Description	Comment
GND	1 and 6	G	ground	
Vbat	2	V	Power range is from 3.4V to 4.4V. Power supply should provide sufficient current so that the module can work normally; the peak current is nearly 2A	Zenger diode is strongly recommended to anti surge on VBAT
PWR key	3	K	Power down	Shorted with GND via R104 by default
TXD	4	T	Transmit Data	TTL Series data Output

RXD	5	R	Receives Data	TTL Series data Input
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Connector Definition

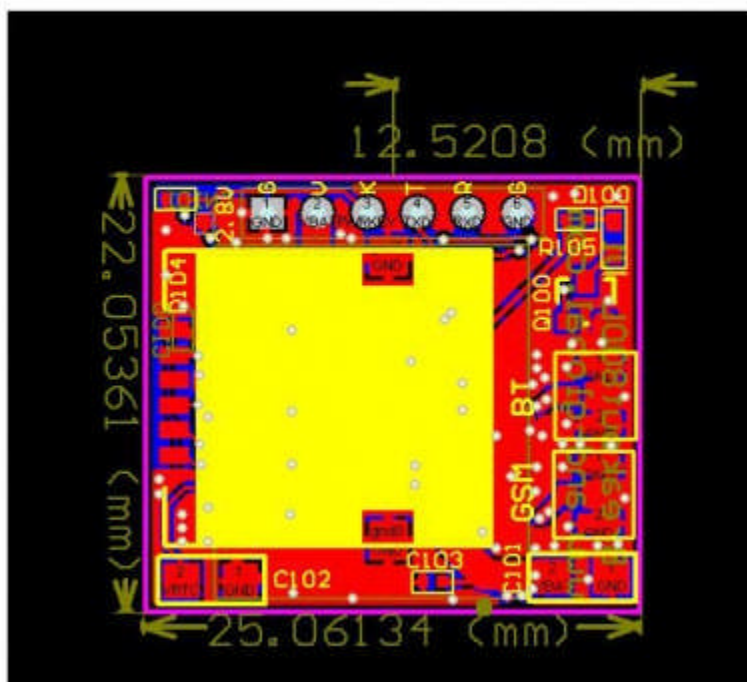
- D100 LED indicator
- CN101 6pin 2.54mm header interface
- J100 GPRS/GSM ANT
- J102 BT ANT(only for SIM800H)
- CN100 Micro SIM card socket
- C102 VRTC(Not mounted by default)
- TEST 2.8V

Board Description



Dimension

2.1 PCB dimension:25*22mm.



Wiring example

- specially powered for Bluetooth function
- using ch340 USB-TTL board with external power source

