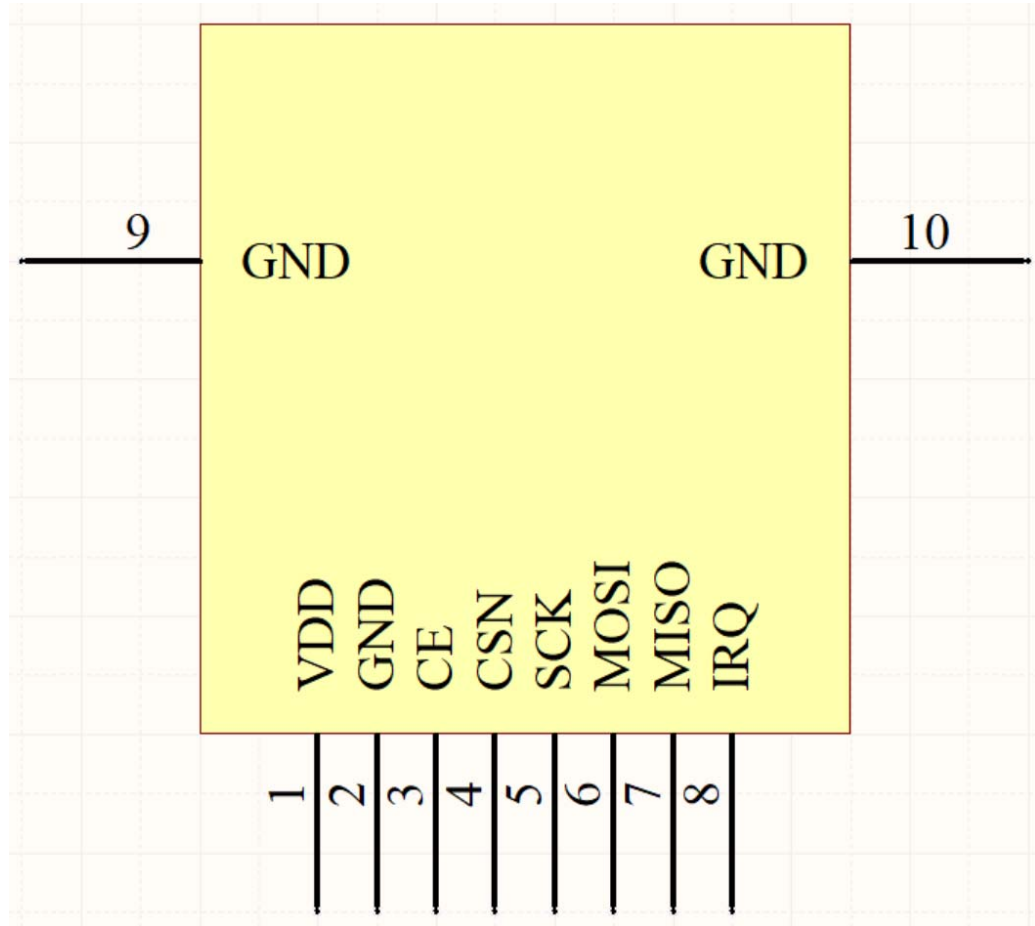


MLWX001

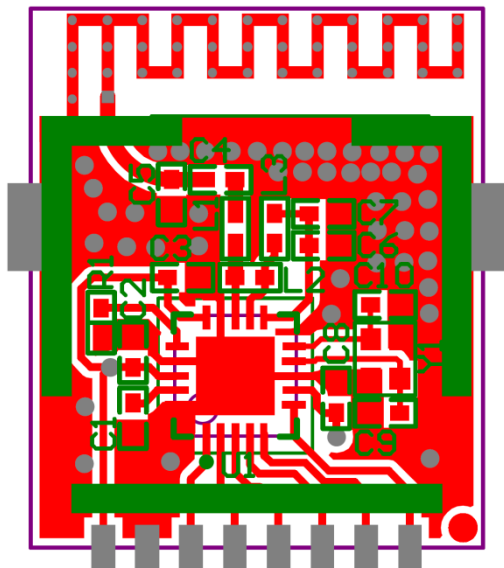
Instruction

1、Module schematic

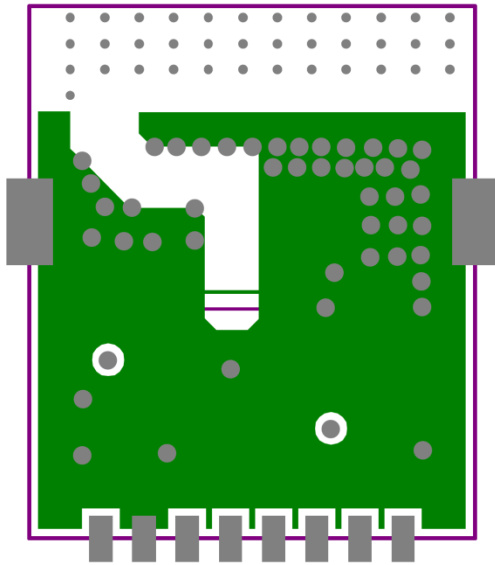


2、PCB drawings:

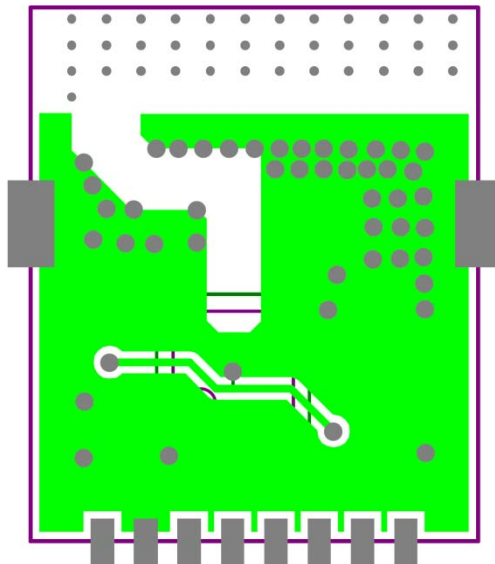
2.1、Top layer



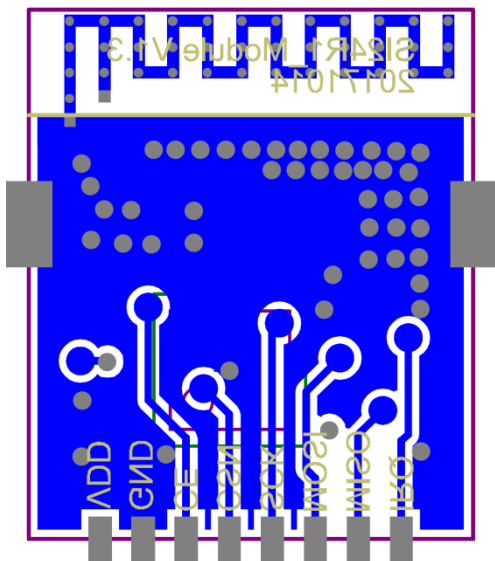
2.2、M1 layer



2.3、M2 layer



2.4、Bottom layer



3、Module Parameters

Interface mode: Stamp half hole

Antenna type: onboard

Size: 18.5*15.5*2.8mm (Screening cover height included)

Modulation mode: GFSK

Communication distance: 100m

Welding method: SMT

- ◆ISM global free application frequency range: 2.42~2.59GHz

- ◆40 radio channels to meet multipoint communication, grouping, frequency hopping

and other needs.

- ◆Transmitting power: +7dBm、+4dBm、+3dBm、+1dBm、0dBm、-4dBm、-6dBm and -12dBm。

- ◆Connect with MCU by SPI with speed of 0~10Mbps.

- ◆Support rate of 2Mbps、1Mbps and 250kbps.

- ◆Support communication with 2.4G product as nRF24L01+、nRF2401A of Nordic.

- ◆Support auto-answer, auto-repetition, built-in address and data check mode.

- ◆Working voltage range: 1.9V~3.6V

- ◆Working power consumption: TX:25mA(+7dbm) , RX:12Ma

- ◆Dormant power consumption: current<15 uA when standby, current<0.7uA

when power down.

for compliance could void the user's authority to operate the equipment.

3. This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

4. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The devices must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.