

Product Introduction:

1. Operating Voltage: 4-28V
2. Operating Current: 2.8mA (typical); 3mA (max)
3. Detection Distance: 5-9m
4. Transmitting Power: 20mW (typical); 30mW (max)
5. Output Voltage: 3.2-3.4V
6. Output Voltage Driving Capacity: 100mA
7. Trigger Way: repeat trigger
8. Output Control Low Level: 0V
9. Output Control High Level: 3.3V
10. Operating Temperature: -20~80 celsius
11. Storage Temperature: -40~100 celsius

Adjustment Part Introduction:

1. C-TM

Adjust repeat trigger time, default trigger time is 2s; increasing capacitor's capacity will make repeat trigger time longer; and actual counting trigger time can operate as below:

Stick capacitor on C-TM, test 9196 3-pin frequency F, repeat trigger time $T = (1/f) * 32768$

2. R-GN

Detection distance adjustment; connect with resistor and detection distance will become shorter; if not connect, detection distance is 7m; if connect with 1M ohm resistor, detection distance is 5m

3. R-CDS

Internal VCC parallel connect with internal 1M ohm resistor to CDS pin (that is 196 9-pin) by R-CDS, CDS connects with photoresistor, you can close detection function at night

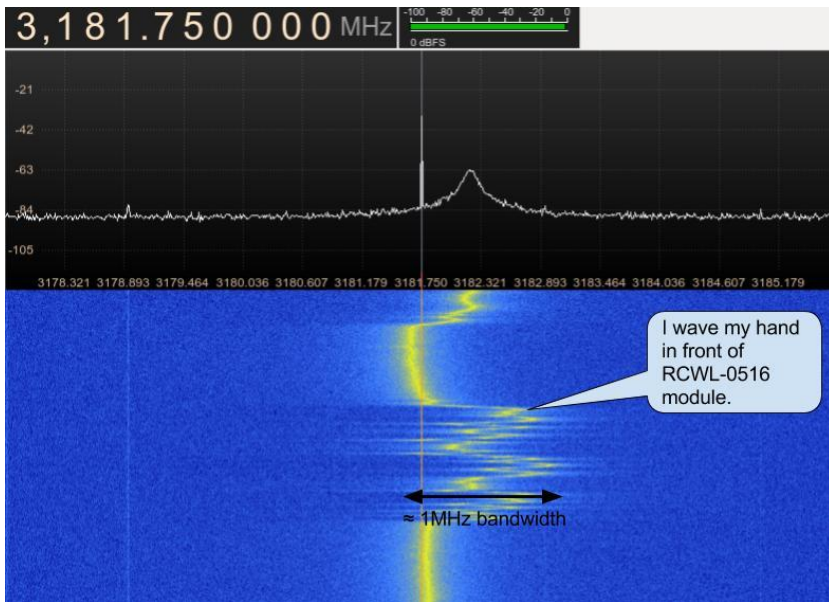
Pin Definition:

1. 3V3: 3V3 power output
2. GND: ground
3. OUT: control output; when detect moving objects, it will output high level
4. VIN: input voltage, 4-28V
5. CDS: enable control chip, lower than 0.7V, OUT will output low level all the time

Notice:

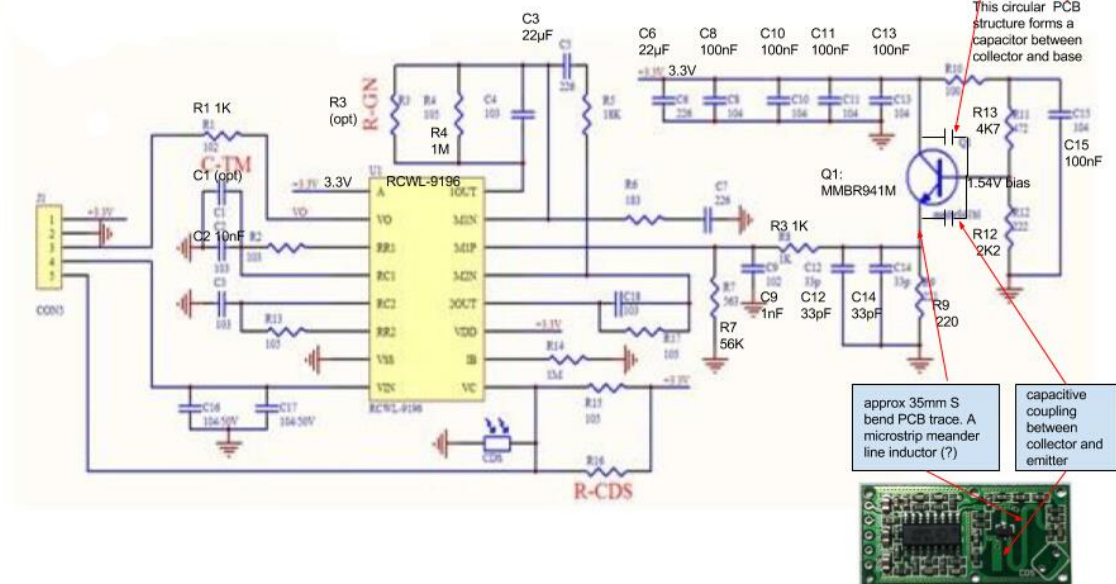
1. The right ahead of induction side shouldn't place any metal to block
2. The front/back side should reserve more than 1cm space
3. Module and installation carrier

Tested by ICStation's Outstanding Partner Joe Desbonnet:

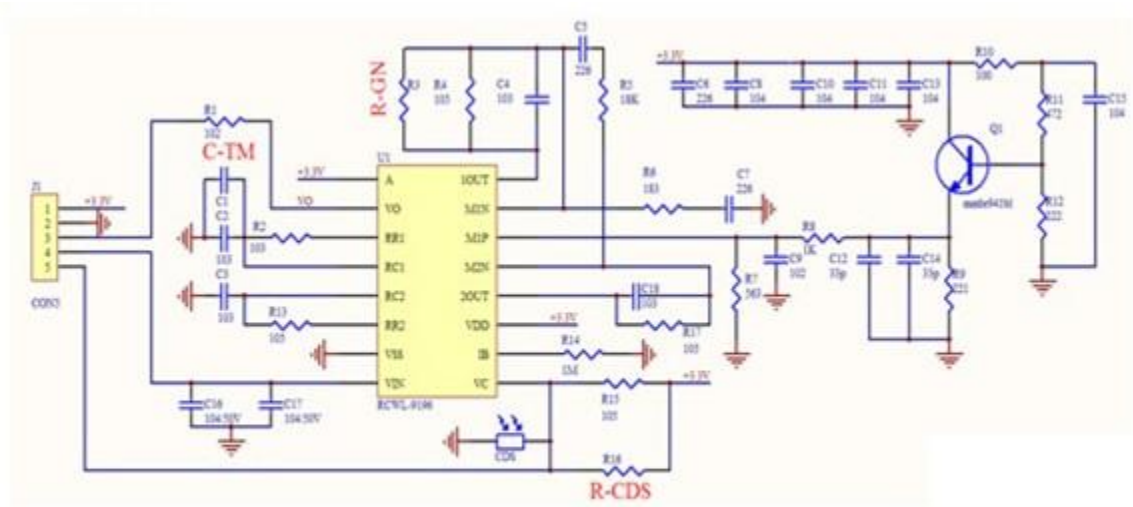


Annotated by
Joe Desbonnet
Rev 2017-01-06b

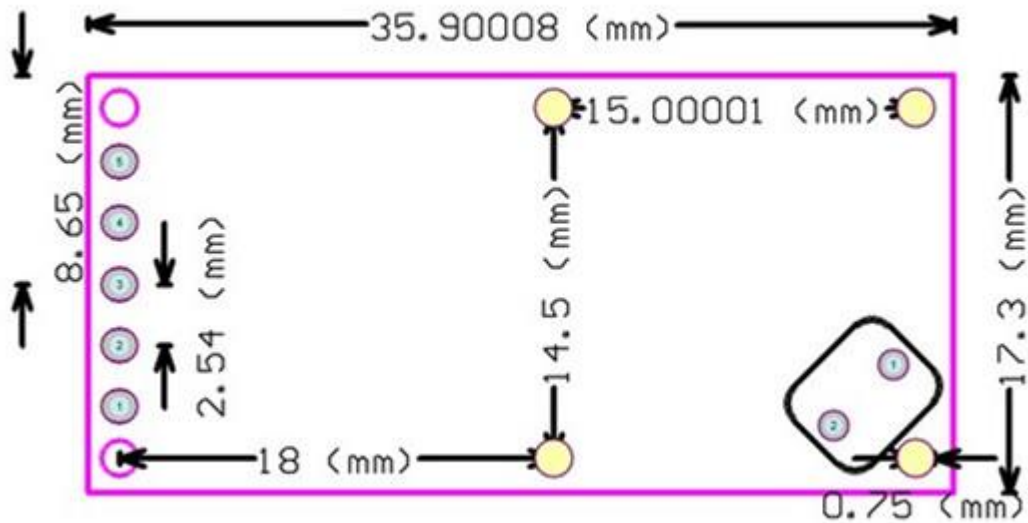
“RCWL-0516 microwave induction module”



Connection:



Size:



Tested by ICStation's Outstanding Partner ZikValera:

