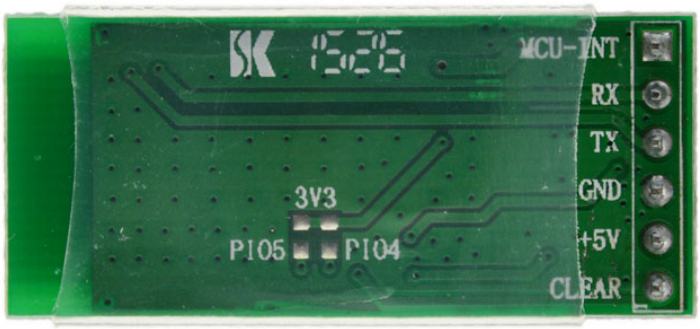
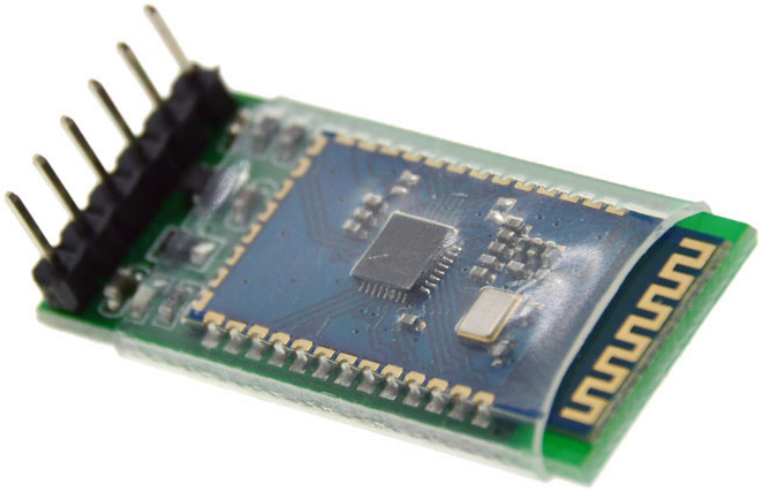
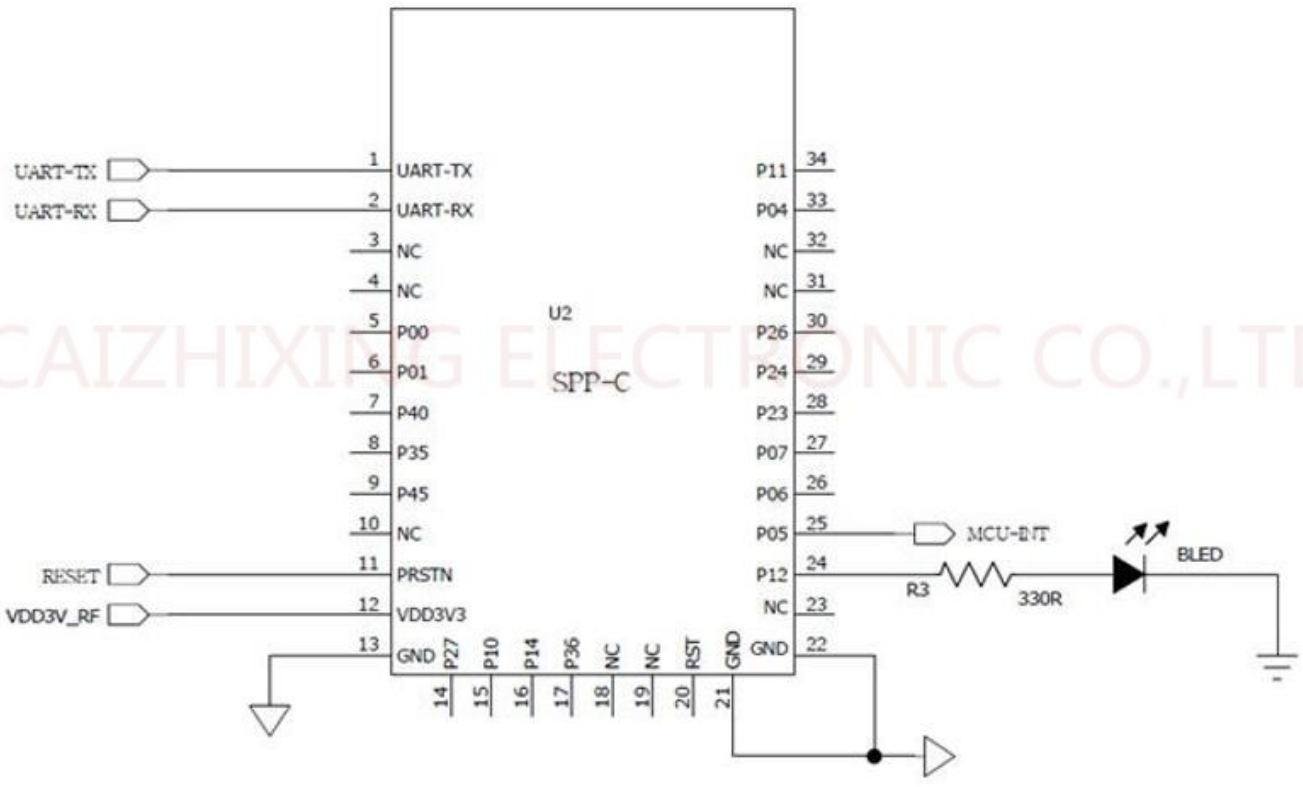




Application Circuit:



PIN function description:

1 output UART-TX CMOS serial data output --→ TX
2 UART-RX CMOS input serial data input --→ RX
Bidirectional NC 3 NC (vacant)
4 two-way NC NC (vacant))
5, P00 programmable input/output
6 P01 programmable input/output
7 P40 programmable input/output
8 P35 programmable input/output
9 P45 programmable input/output
10 two-way NC NC (vacant)
11 entered RESET B CMOS reset/Reset button (reset) --→ CLEAR
12 3.3V power supply +3.3V power supply --→ +5V
13 GND --→ GND
14 P27 programmable input/output
15 P10 programmable input/output
16 P14 programmable input/output
17 P36 programmable input/output
18 Bidirectional NC 18 NC (vacant)
19 Bidirectional NC 19 NC (vacant)
20 Bidirectional NC 20 NC (vacant)
21 GND
22 GND ground
23 two-way NC NC (vacant)
24 P12 output status indicator LED (see other settings)
25 P05 host interrupt instruction (see other settings) --→ MCU-INT
26 P06 programmable input/output
27 P07 programmable input/output
28 P23 programmable input/output
29 P24 programmable input/output
30 P26 programmable input/output
31 two-way NC NC (vacant)
32 bidirectional NC NC (vacant)
33 P04 programmable input/output
34 P11 programmable input/output

Other configuration:

Status LED: P12

Used to indicate the State of a Bluetooth module, LED light flashes and Bluetooth module state shown in the table below:

Mode LED display module status:

- From the uniform mode slow flashing (800ms-on,800ms-off) waiting for pairing
- Long, established connections

Host interrupt instruction: P05

Used to indicate the host interrupted or not, connection status is high, others low level.

The key interface on the baseboard is the master mode button and can be controlled by high level from external MCU; with high level this module will search again automatically.