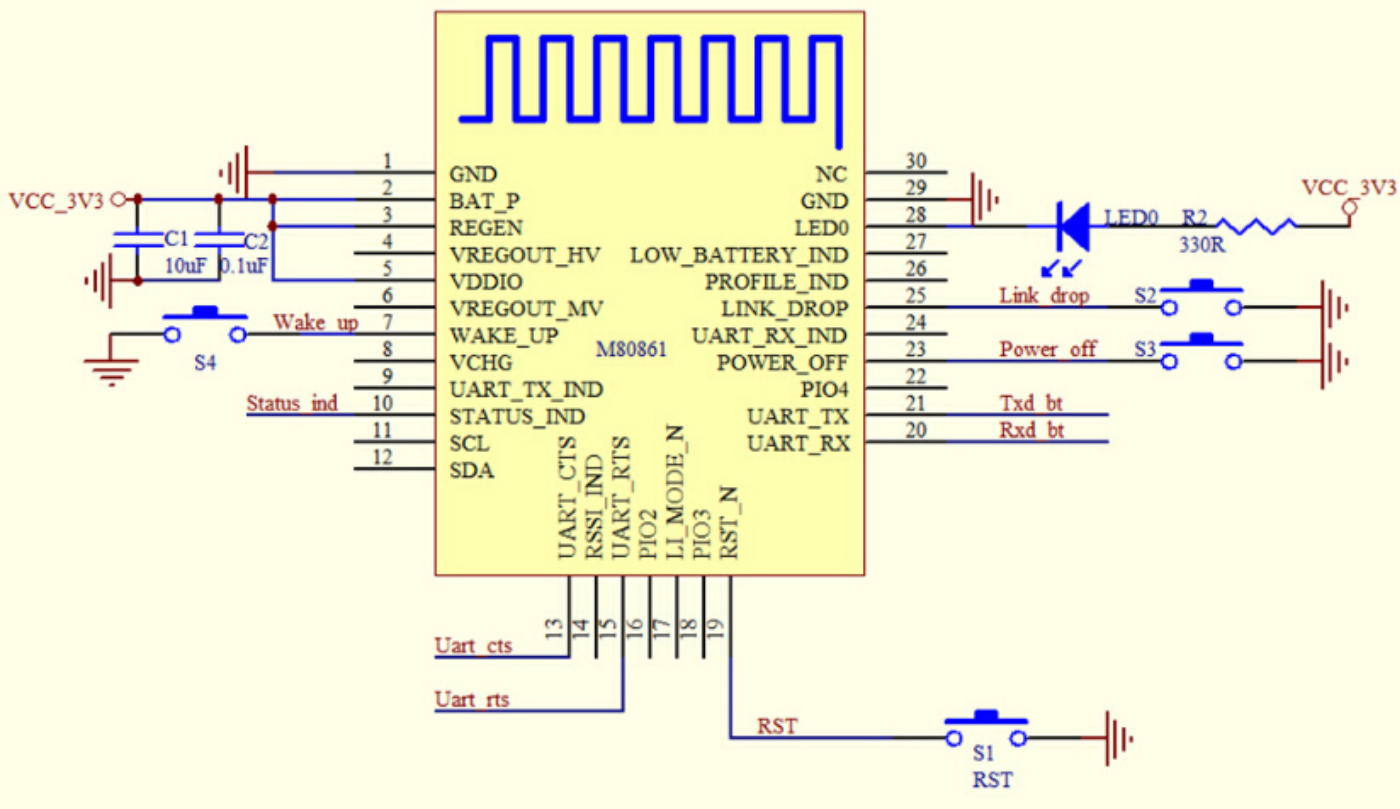
Application Circuit Diagram:

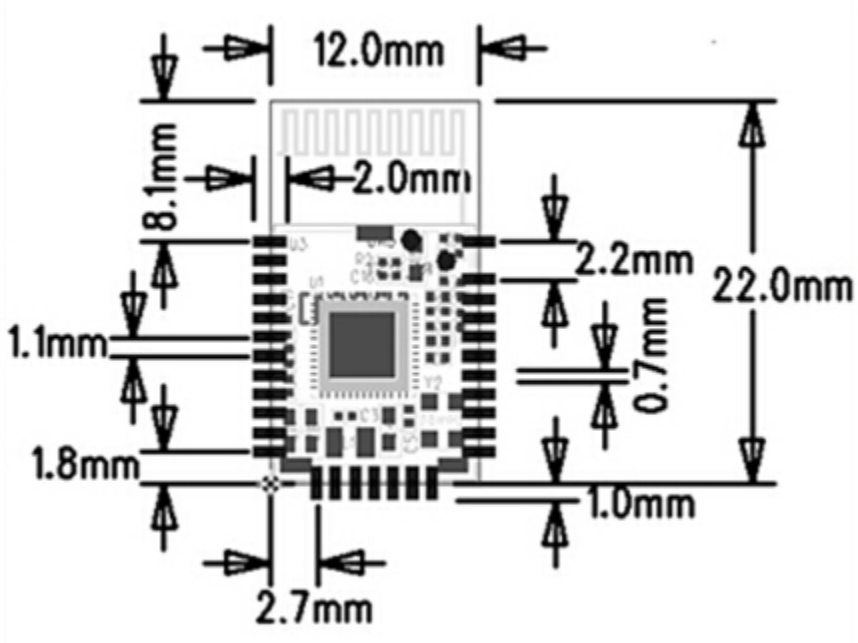


Function Description of Pins:

PIN	I/O	Name	Description
1	P	GND	Ground
2	P	BAT_P	Module power input PIN (2.7V~4.2V), default to 3.3V. Note: when the Module power is turned off, the MCU connected to the IO and Module must output a low level
3	I	REGEN	The power on foot of Module needs to be pulled up to VBAT (Note: must be pulled high, otherwise the module can not start)
4	P	VREGOUT_HV	3.3V LDO output PIN, the maximum output current of this power is 300mA
5	P	VDDIO	Module IO port power supply (1.7~3.6V), customers can configure the size of the voltage according to the required IO voltage, the default is 3.3V)
6	P	VREGOUT_MV	The internal 1.8V LDO outputs PIN, and the maximum output current is 200mA
7	I	WAKE_UP	Module wake-up pin: 1. when the Moudle enters hibernation, the Moudle is awakened when the rising edge of the PIN is detected. After the wakeup, the moudle enters the pairing (the default is high on power). 2. when Module is enabled by Sniff mode (serial command setting), when MCU sends data to Module, it must first pull down this pin to wake up Module, and then delay 2ms or more to transmit data again
8	P	NC	NC
9	O	NC	NC
10	O	STATUS_IND	Bluetooth connection status indicator:

			High level - Bluetooth not connected Low level Bluetooth connection (including EDR and BLE).
11	N/A	NC	NC
12	N/A	NC	NC
13	I	UART_CTS	UART flow control, default enabled flow control function. When Module detects that this PIN is high, it means that the MCU doesn't work, and Module stops sending data to the MCU, and the Module waits until the PIN starts the data transmission for low power.
14	O	NC	NC
15	O	UART_RTS	UART flow control, default enabled flow control function. When the Module data processing is not over, the IO output high level tells the MCU; for low power can normally receive MCU data.
16	I	NC	NC
17	I	NC	NC
18	I/O	PIO3	GPIO
19	I	RST_N	Module reset pin: low level valid
20	I	UART_RX	Module data receiving port
21	O	UART_TX	Module data sending port
22	I/O	PIO4	GPIO
23	I	POWER_OFF	Module shutdown pin, pull-up input When this PIN detects more than 50ms of low power, Module shuts down.
24	I	GPIO20	GPIO
25	I	LINK_DROP	Module disconnect pin: When the module detects a low pulse above 50ms in the connection state, the PIN module disconnects the current connection and enters the pairing (the default on this PIN is high).
26	O	NC	NC
27	O	NC	NC
28	O	LED0	Bluetooth working indicator (not connected state: uniform slow flashing 800ms-on, 800ms-off; connection status: normally bright), this pin is open drain output.
29	P	GND	Ground
30	NC	NC	NC

Size:



Pin Definition:

LINKDORP- disconnects the foot
(low level disconnect Bluetooth connection)
STATUS-IND- state indicating foot
(high level - unconnected, low level - connected)
Button module wake-up button
(module into low power consumption,
short press wake-up)