



# GSM Module SIM800L with MIC & Headphone Jack

SKU: M004

**SIM800L** is a cellular phone module, integrated SIM800L, a GSM/GPRS module, only compatible with 2G network. if you want to integrate a cellular module into your design with voice, text and SMS, this hand-solderable module is pretty nice!  
Series Protocol: UART

## Product Features

- 3.5 mm phone audio jack
- MIC (MIC is disable by default. To enable it, you will need to weld a 0 ohm resistor at MIC-EN )
- Supply voltage: 3.8V - 4.2V
- Recommended supply voltage: 4V
- Power consumption: sleep mode < 2.0mA idle mode < 7.0mA GSM transmission (avg): 350 mA GSM transmission (peak): 2000mA
- Module size: 25 x 23 mm
- Interface: UART (max. 2.8V) and AT commands
- SIM card socket: microSIM (bottom side)
- Supported frequencies: Quad Band (850 / 950 / 1800 /1900 MHz)
- Antenna connector: IPX
- Spring Antenna on board
- Status signaling: LED
- Working temperature range: -40 do + 85 ° C

## Kit includes

- 1x M5Stack SIM800L Module

## Applications

- Nitrogen dioxide alarm
- Automatic Web Spider SMS-notifier
- Remote meter reading system

## PinMap

### SIM800

SIM800 Pin	ESP32 Chip
TXD	U2RXD(GPIO16)
RXD	U2TXD(GPIO17)

<b>SIM800 Pin</b>	<b>ESP32 Chip</b>
RST	GPIO5

## Schematic



