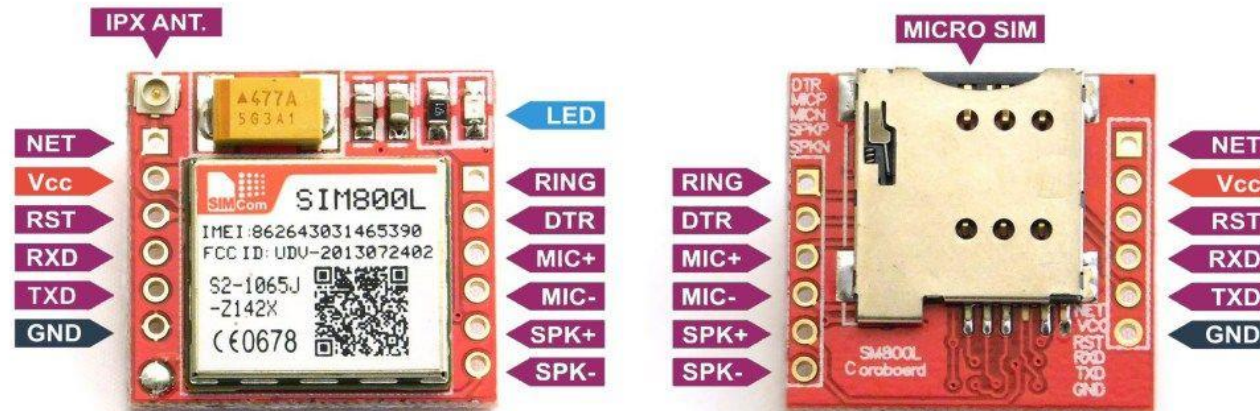


# ARDUINO + SIM800L



3.4 TO 4.4 V  
**UNEXPECTED RESET!**  
**SOLVED**  
2A BURST

# THE GSM GATE OPENER



# GSM module

SIMCOM: SIM800L

# SIM800 features

- ▶ **GSM NETWORK SERVICE**  
Phone Calls and SMS
  - ▶ **GPRS NETWORK SERVICE**  
Enabling use of Internet services
  - ▶ **SIM800 PHONEBOOK MGMT OVER SIM CARD**  
Easy-to-use AT commands available
  - ▶ **SIM800 CLOCK**  
Using it for scheduled tasks
- 
- ▶ **HOW TO POWER AND DATA INTERCHANGE?**  
avoiding unexpected errors

The logo for SIM800, featuring the text "SIM800" in a white, sans-serif font. The text is positioned on the left side of a dark gray, curved rectangular background that resembles a book cover or a stylized letter 'C'.

# SIM800

**ONE MAIN RULE:**

**REFER TO OFFICIAL DOCUMENTATION!**

SIMCOM provides a wide manuals catalog

# Powering up SIM800

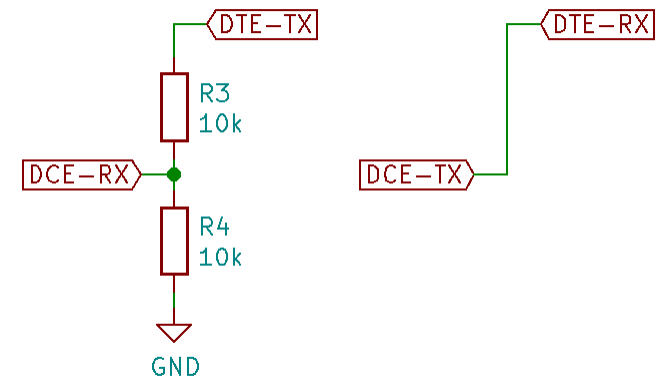
- ▶ **POWER SUPPLY RANGE**
- ▶ **CURRENT CONSUMPTION SCHEME**  
In the different operating modes
- ▶ **2A BURST**  
Documentation point out that must be avoided a voltage drop during burst
- ▶ **WHAT DOES IT MEANS?**  
You must take care not only about the power supply circuit,  
but also about sizing of cabling and PCB traces

# SIM800

## serial port

### DATA COMMUNICATION (SERIAL PORT)

	Min	Max	Unit
V <sub>IL</sub>	-0.3	0.7	V
V <sub>IH</sub>	2.1	3.0	V
V <sub>OL</sub>		0.4	V
V <sub>OH</sub>	2.4		V





“

SIM800L:  
SMS/GPRS features

”

Next video