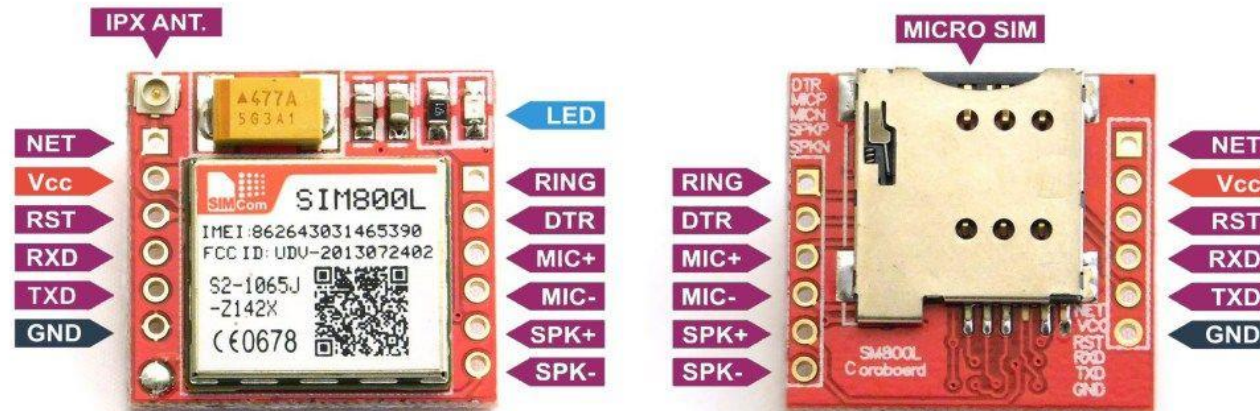ARDUINO + SIM800L

3.4 TO 4.4 V
UNEXPECTED RESET !
2A BURST

SOLVED

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

SIM800

ONE MAIN RULE:

REFER TO OFFICIAL DOCUMENTATION!

SIMCOM provides a wide manuals catalog

Powering up SIM800
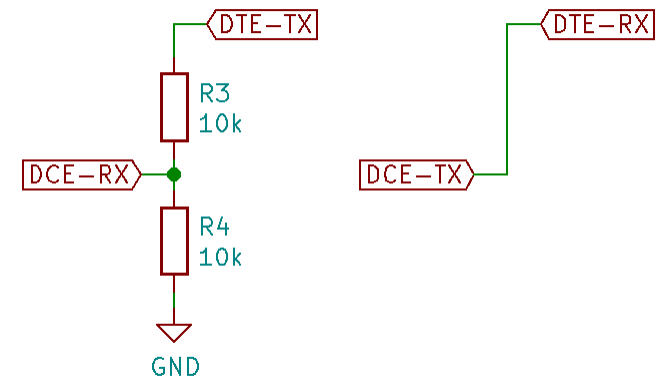
▶ **POWER SUPPLY RANGE**

▶ **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

	Min	Max	Unit
V IL	-0.3	0.7	V
V IH	2.1	3.0	V
V OL		0.4	V
V OH	2.4		V

SIM800L: SMS/GPRS features

Next video