



# SIMCom WCDMA Wireless Module

## SIM5360 Automatic Power On Application Note



<b>Document Title:</b>	SIM5360 Automatic Power On Application Note
<b>Version:</b>	0.01
<b>Date:</b>	2013-12-28
<b>Status:</b>	Developing
<b>Document Control ID:</b>	SIM5360_Automatic_Power_On_Application_Note_V0.01

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## Version history

Date	Version	Description of change	Author
2013-12-28	0.01	Origin	Silin.zhu

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## 1 Introduction

This document describes how to power on SIM5xxx module automatically.

## 2 Scope of the document

SIM5360 module.

## 3 Design guide

If user needs to power on SIM5360 automatically whenever the VBAT pins are connected to the power supply, then POWER\_ON pin is just pulled to ground by a resistance in circuit directly. The following is the reference circuit.

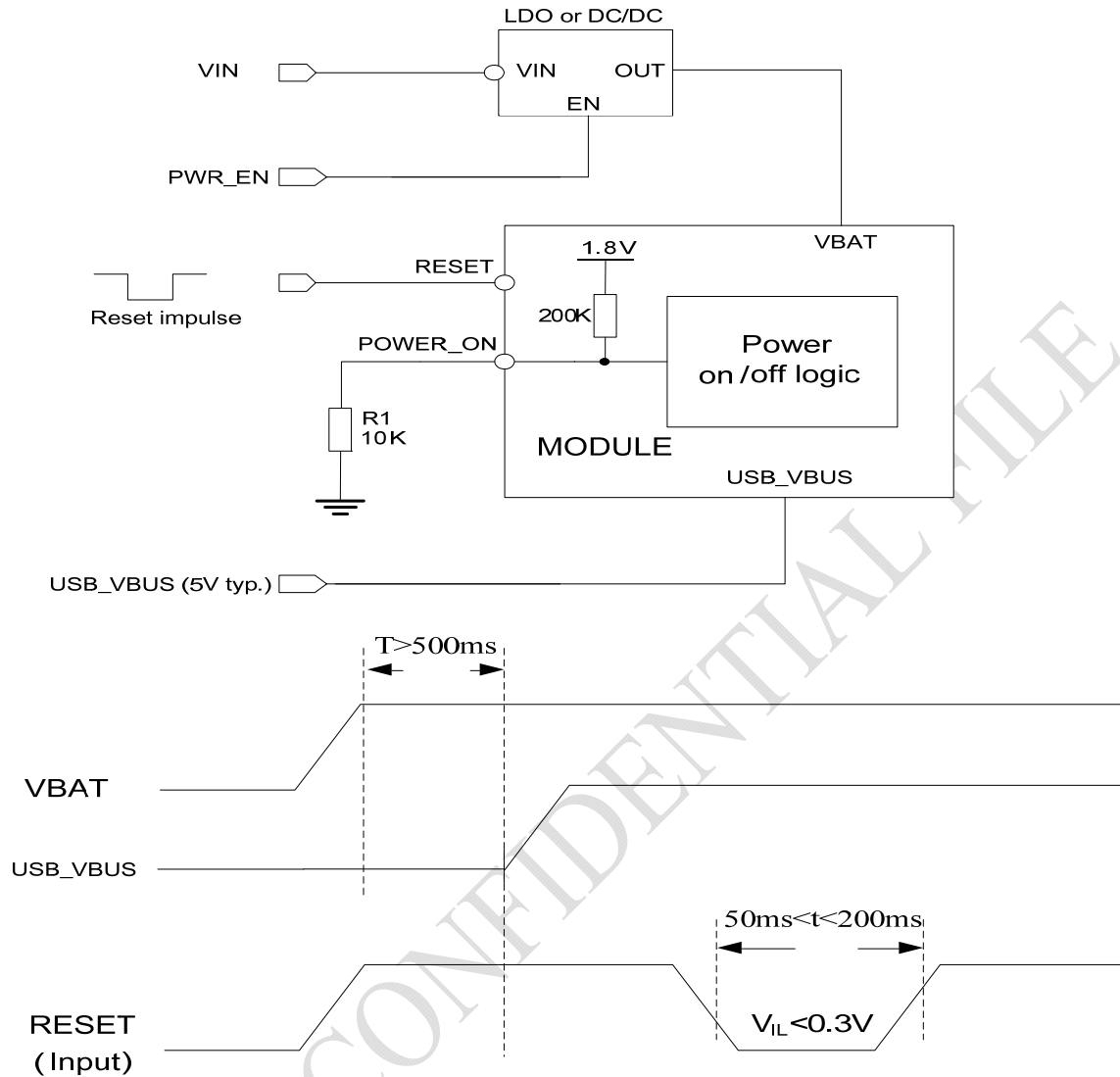


Figure 1: Application circuit

When **POWER\_ON** pin is pulled down to ground, the user can not use AT command "AT + CPOF" to power down the module. We recommend cutting off power supply to power down the module.

If **USB\_VBUS** is provided earlier than **VBAT**, the module could be boot failure in the automatically powering on mode. The power supply **VBAT** has the *priority* of **USB\_VBUS**.

**Note:**

1. After automatically powering on the module by pulling down **POWER\_ON** pin to ground anytime, **USB/UART** may not communicate normally with host, so it is suggested that **SIM5360** should be reset by **RESET** pin..
2. Do not try to cut off power supply **VBAT** when the writing operation of the module or **SIM** card is being carried out. Otherwise, the written data may be lost.

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