



SIMCom WCDMA Wireless Module

SIM5xxx_Automatic_power_on_Application_Note



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Version history

Date	Version	Description of change	Author
2012-08-14	1.01	Origin	3G team

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1 Introduction

This document describes how to power on SIM5xxx module automatically.

2 Scope of the document

The following SIM5XXX modules are related in this document.

- SIM5215/SIM5216
- SIM5218
- SIM5320
- SIM5320JE-TE

3 Design guide

If user needs to power on SIM5xxx 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.

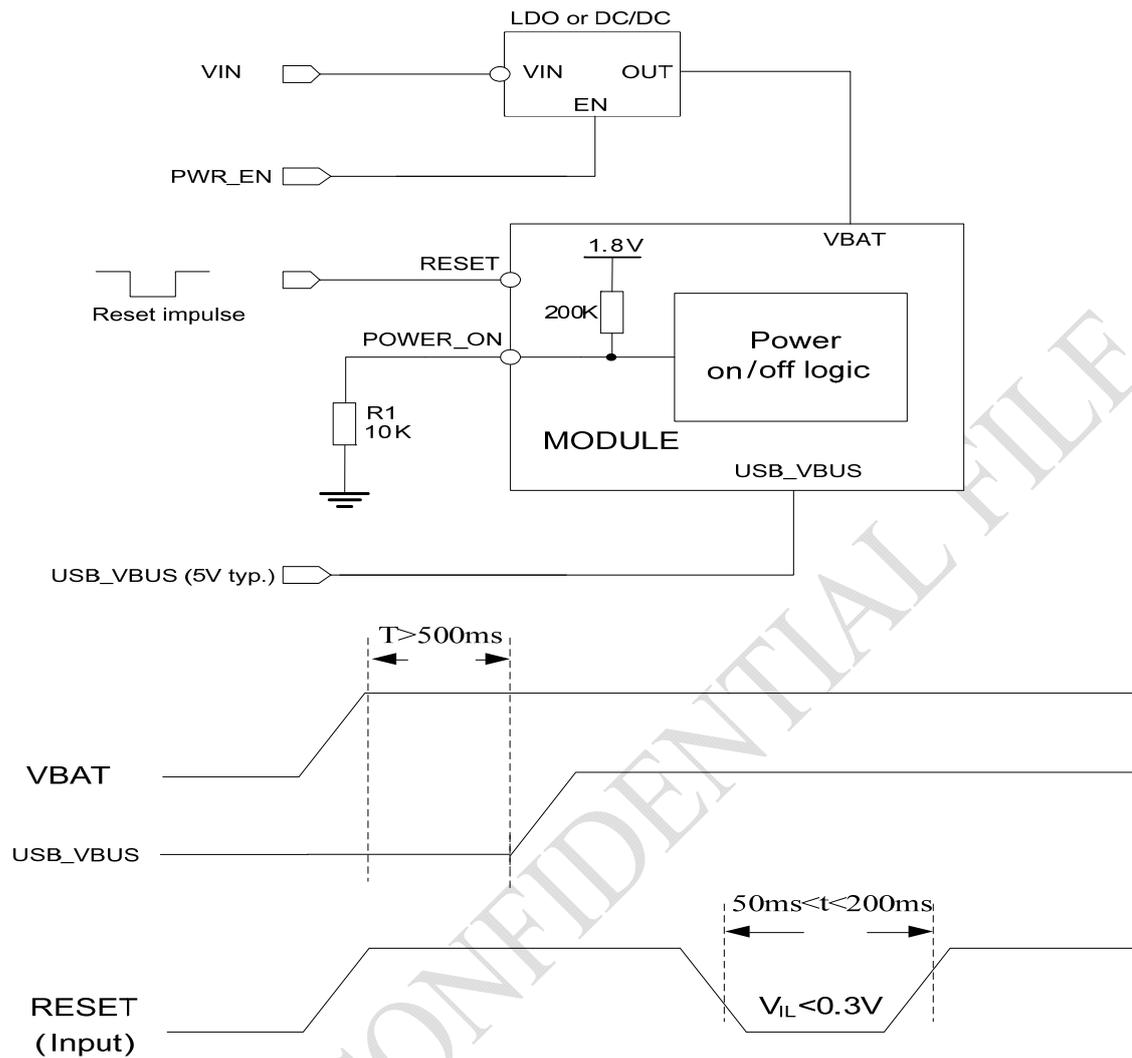


Figure 1: Application circuit

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: 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 SIM5xxx should be reset by RESET pin.

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