SIMCom WCDMA Wireless Module

SIM5360 Automatic Power On Application Note

Revision Note

FAQ
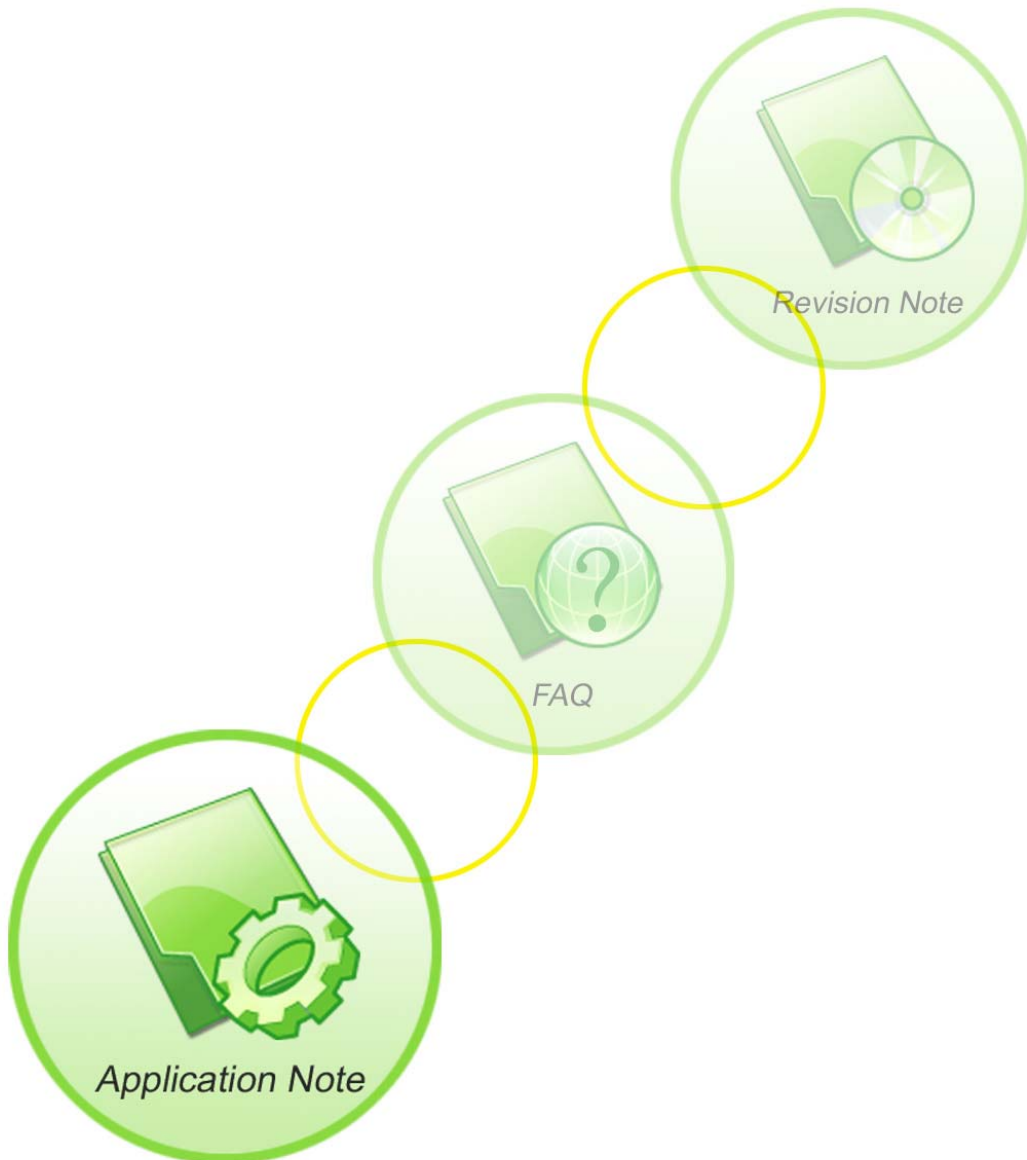
Application Note

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Version history

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

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.
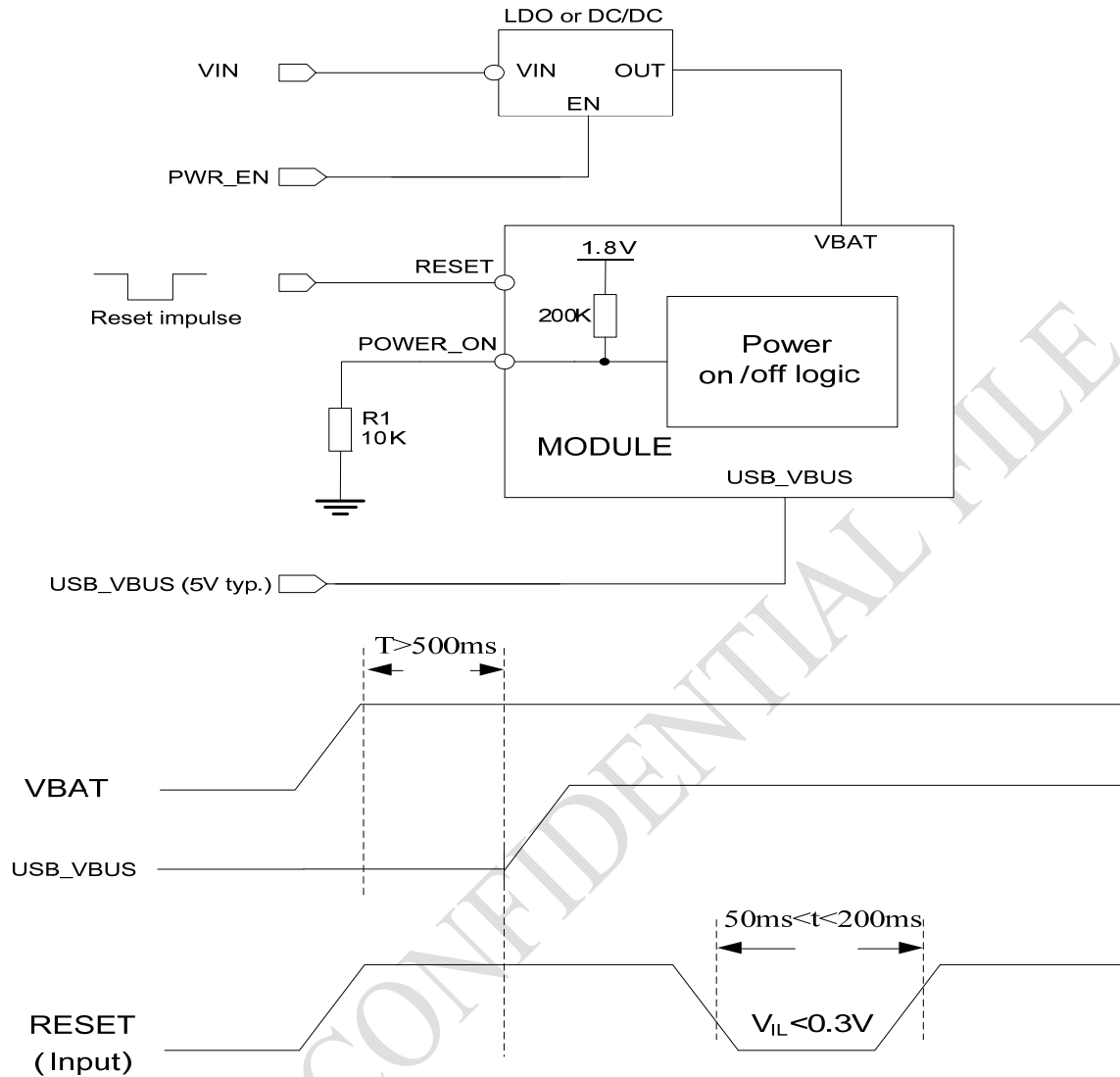
Figure 1: Application circuit

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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