

1 Overview

This document gives the usage of SIM5360 EVB, user can get useful information about the SIM5360 EVB quickly through this document.

The Debug board is designed for customer to design their own applications by using the 3G module SIM5360 easily.

All the functions of the SIM5360 can be used by this board. One can use UART, USB interface to communicate with the SIM5360. There is one UART interface, one USB 2.0 interface, one SIM card interface, one T-FLASH card interface, three audio interfaces on the board.

One can connect the UART and/or the USB interface to a computer directly.

NOTE: This document is subject to change without notice at any time.

Table 1:SIM5360 EVB Key features

Feature	Implementation
Power supply	1: DC 5.0V ~9.0V 2: USB 5.0V power supply
functions	UART interface USB2.0 interface SIMCARD interface IIC interface Audio interface ADC interface POWER_ON key/Reset key Flight mode switch UART Control switch TFLASH interface UART to USB interface

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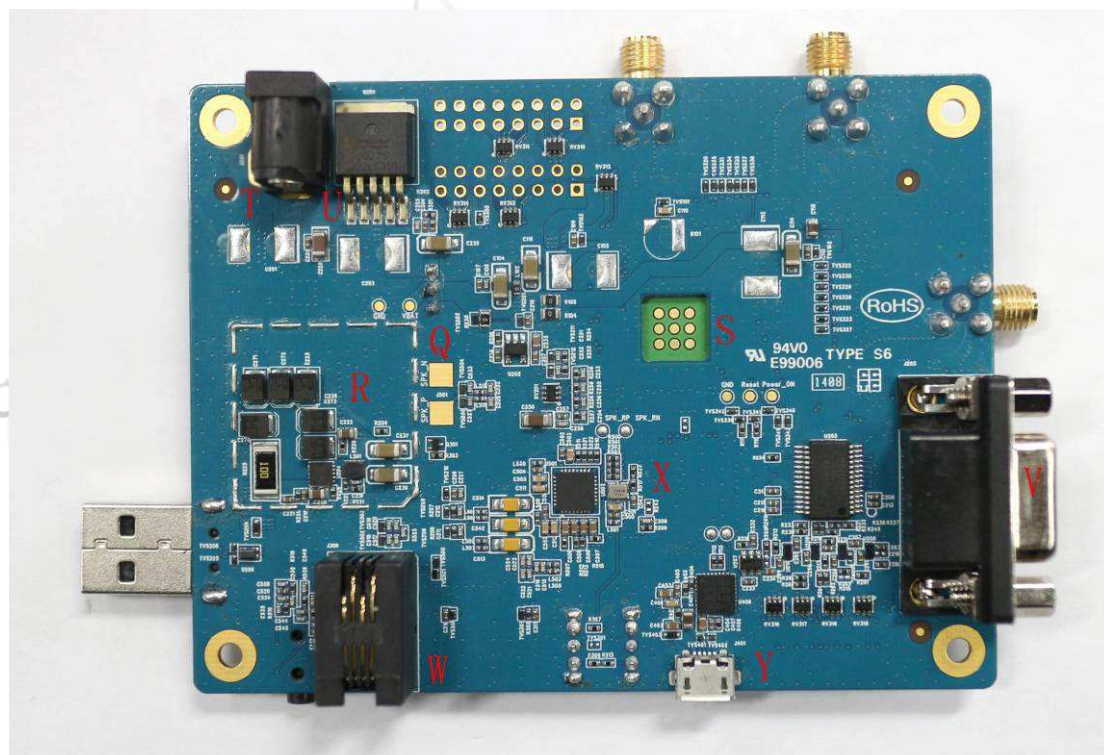
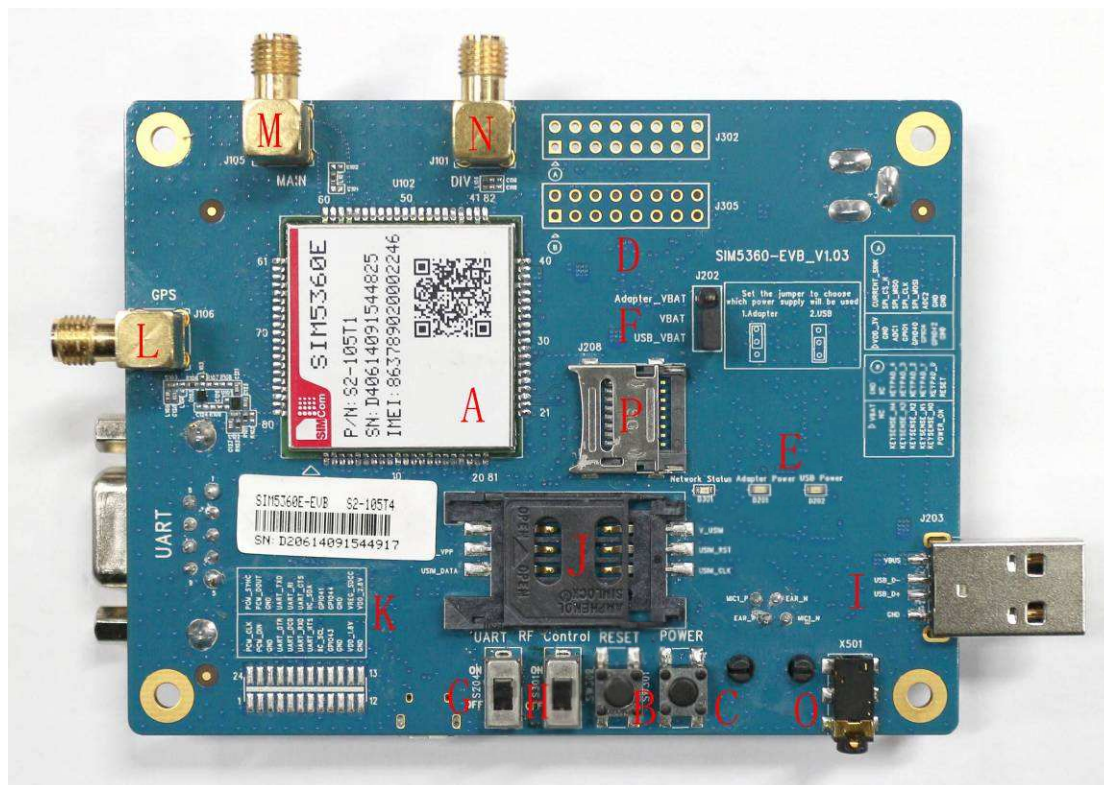
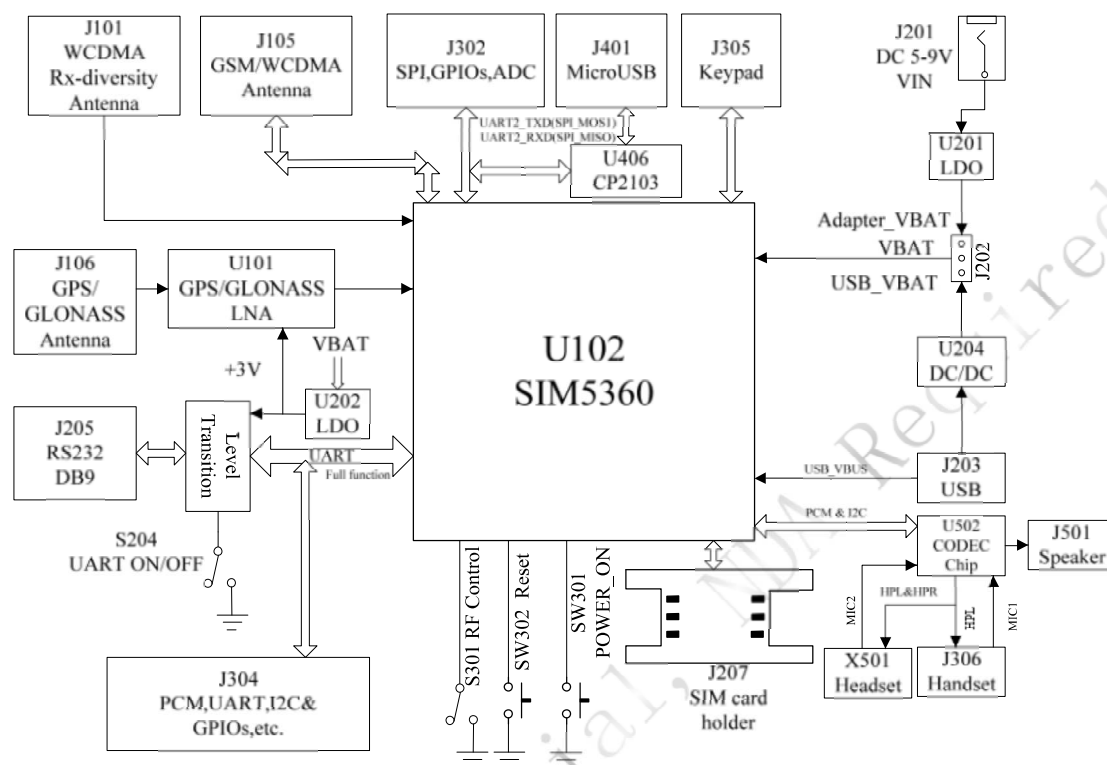


Figure 1: EVB view

- A: SIM5360 module
- B: Reset keypad
- C: Power on/off keypad
- D: IO interface 1 (including GPIO, ADC, SPI, etc)
- E: LED indicator (including network status, operating status)
- F: Power supply selection jumper
- G: UART enable/disable switch(If user wants to use UART, please switch it to ON at first.)
- H: RF enable/disable (flight mode) switch (Before the SIM5360 is powered on, please make sure that RF control switch is ON)
- I: USB connector
- J: SIM card socket
- K: IO interface 2 (including PCM, GPIO, UART, I2C, etc)
- L: GPS/GLONASS antenna SMA
- M: Main antenna SMA
- N: Rx-diversity antenna SMA
- O: Headset interface
- P: SD card interface
- Q: Speaker interface

- R: USB DC-DC
- S: SIM5360 JTAG test point
- T: Adapter connector
- U: DC LDO
- V: UART interface for AT command transmitting, data exchanging
- W: Handset interface (RJ-11)
- X: Audio codec (WM8960)
- Y: MicroUSB interface for SIM5360 (UART2 to USB, IC is Silabs Cp2103)

The following figure shows block diagram of SIM5360 EVB.



All hardware Sub-interfaces included in SIM5360 EVB are described in detail in following chapters.

3 EVB accessories



Figure 2: EVB accessory

- A: USB to UART cable
- B: RF antenna
- C: USB cable
- D: 5V DC adapter
- E: GPS/GLONASS antenna
- F: RF antenna