L306_EVB User Manual

GSM/WCDMA

Version： V1.2

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Shanghai Mobiletek Communication Ltd

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Version History

Date	Version	Modify records	Author
2016-06-12	V1.0	Initial	Rongchun.dong
2016-07-07	V1.1	Reformat	Rongchun.dong
2016-11-11	V1.2	Reformat	Tianpan.lin

Content

1. Introduction

L306_EVB is designed for valuation and test of L306 module to help developers to debug and test L306 module. The following figure shows the label of the main functions of L306_EVB. This article will describe the various parts of its functions in later chapters.

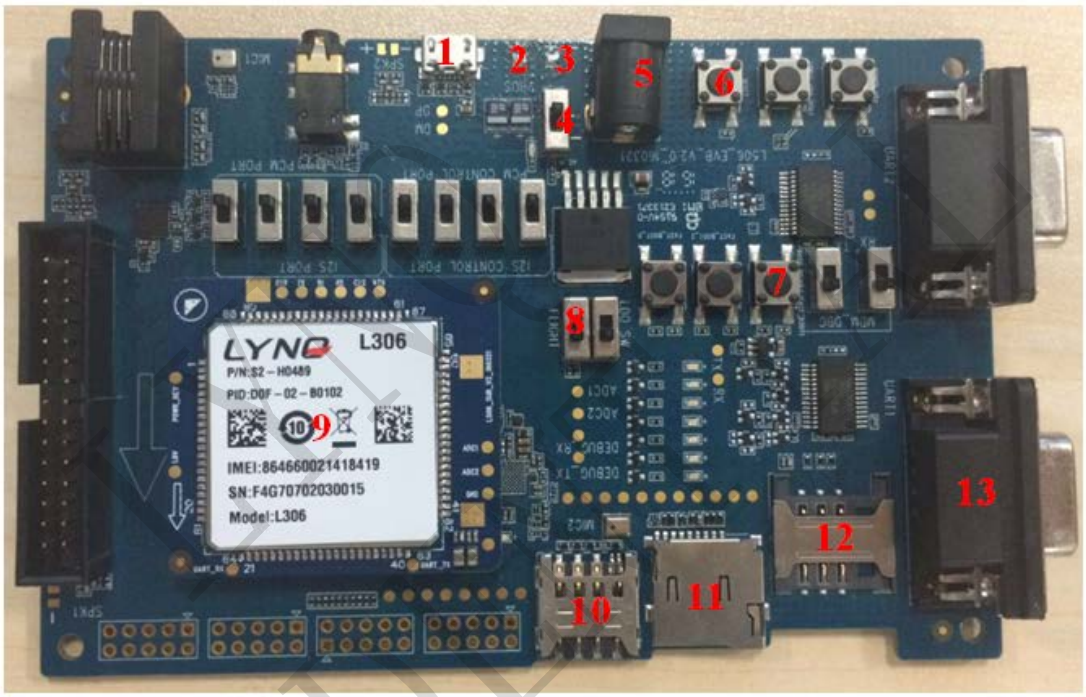

Figure 1 L306_EVB TOP

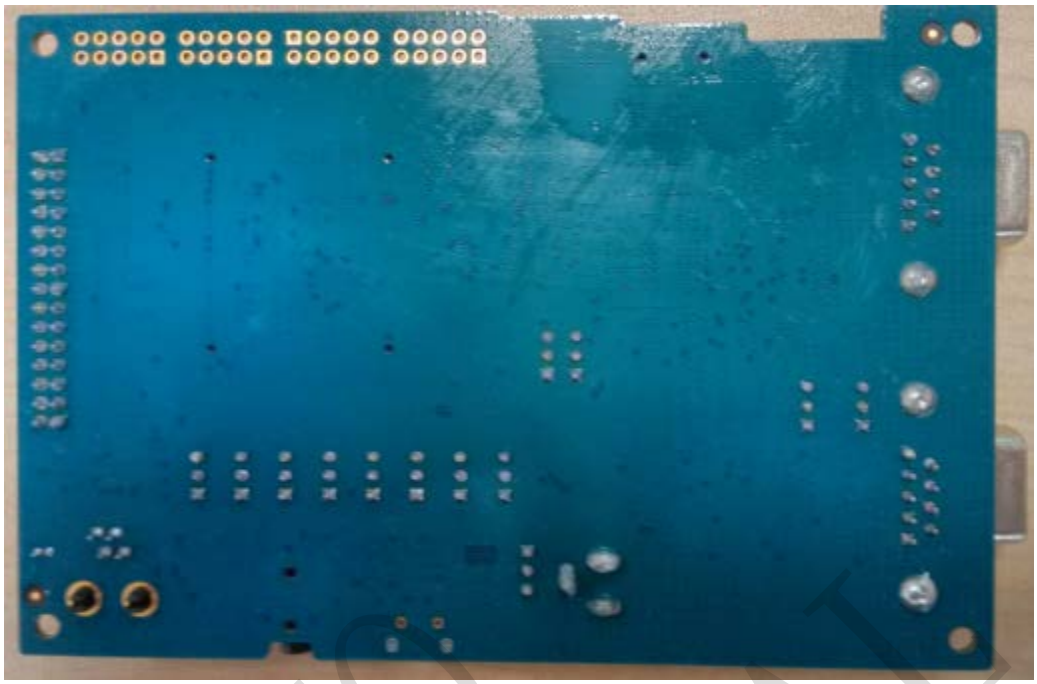

Figure 2 L306_EVB BOT

Table 1 Label illustrate

1.5Pin Micro USB	2.GND	3.DC3.8V
4.POWER Switch	5.DC5V	6.RESET Key
7.WAKEUP Key	8. FLIGHT Switch	9.L306 Module
10.SIM Card	11.TF Card	12.SIM Card
13.UART0		

2. Functional Introduction

2.1 Power Supply

L306_EVB provides two kinds of power supply: 5V DC adapter power supply and 3.8V DC power supply. Customers can switch by controlling POWER Key switch. As shown in the figure below:

Figure 3 L306_EVB DC 5V adapter interface and POWER Key

Figure 4 L306_EVB 3.8V power supply interface

2.2 RESET Key

Pressing the RESET Key can restart the module.

Figure 5 RESET Key

2.3 WAKEUP Key

When the module is in sleep mode, pressing the WAKEUP Key can enter working state.

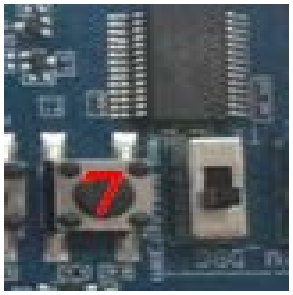

Figure 6 WAKEUP Key

2.4 FLIGHT Switch

The module can be switched between in normal mode and FLIGHT mode. When FLIGHT Switch is high level (1.8V), the module will be into the normal working mode; When the FLIGHT Switch is low level (0V), the module will be into FLIGHT mode.

Figure 7 FLIGHT Switch

2.5 Interface Section

2.5.1 UART Interface

L306_EVB can use UART0 only.

L306_EVB can be converts the COMS 1.8V level into a standard RS232 level through SP232 of

serial level converter chip. Users can connect PC or other terminal equipment through UART for serial communication. Demo supports 115200 baud rate default.

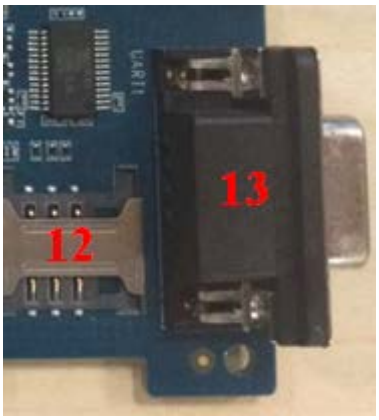

Figure 8 L306 UART interface

2.5.2 SIM Card and TF Card

The L306_EVB provide two SIM interfaces, can automatically identify 1.8V and 3V SIM card. Because two SIM connect the same network, can only choose to use one of them.

The TF Card can support maximum of 32 GB capacity.

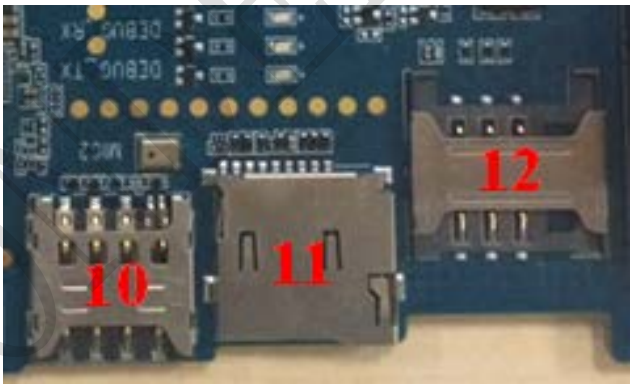

Figure 9 SIM card and TF card

2.5.3 USB Interface

L306_EVB has a Micro USB port, can use for USB download, grip module logs and virtual serial mode to send AT commands.

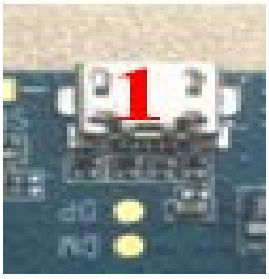

Figure 10 USB interface

