



E78-TBL-01



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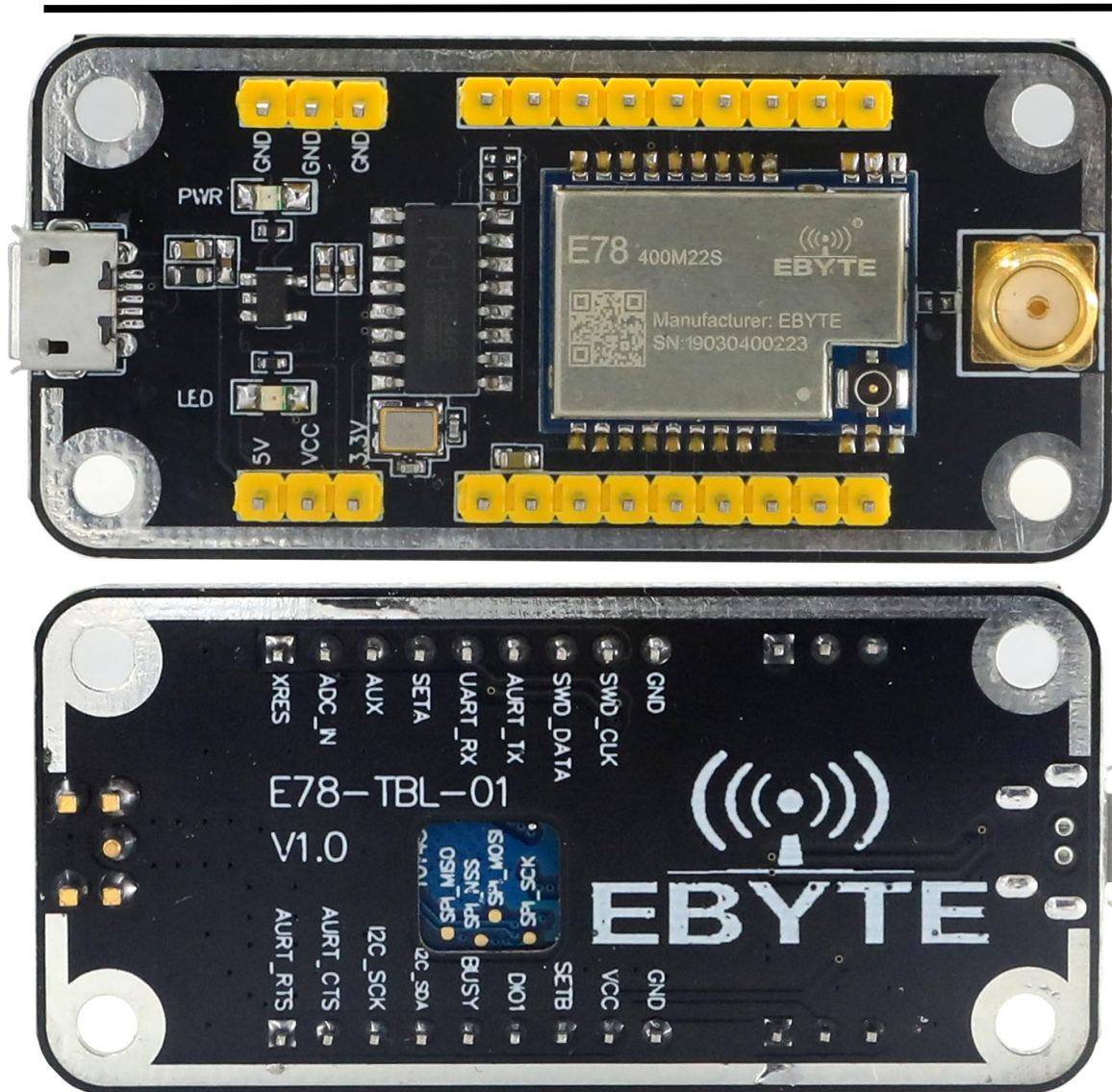
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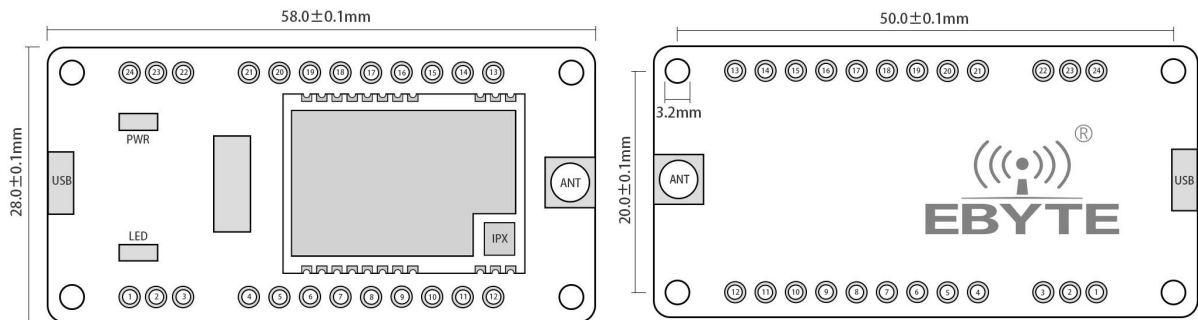
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1.Introduction

E78-TBL-01 is a test kit specially designed for E78 series SMD SOC modules, combined with USB to TTL serial port backplane. E78-TBL-01 leads all the pins of E78-400M22S for customer testing and development, which greatly reduces the difficulty of customer testing and development.

2 Pin Definition



Pin number	definition	Function Description
1	5V	5V network on the backplane
2	VCC	Module power input
3	3.3V	3.3V network on the bottom board, which can be shorted with VCC with jumper cap for module power input
4	GND	Floor reference ground
5	VCC	Module power input
6	SETB	Module MCU GPIO
7	DIO1	Module multi-purpose digital IO, cannot be used as external GPIO
8	BUSY	Module SPI busy indicator, cannot be used as external GPIO
9	I2C_SDA	Module I2C SCL pin
10	I2C_SCL	Module I2C SDA pin
11	UART_CTS	Module UART CTS pin
12	UART_RTS	Module UART RTS pin
13	XRES	Module external reset pin
14	ADC_IN	Module ADC input pin
15	AUX	Module MCU GPIO
16	SETA	Module MCU GPIO
17	UART_RX	Module UART RX pin
18	UART_TX	Module UART TX pin
19	SWD_DATA	Module SWD Data pin
20	SWD_CLK	Module SWD Clock pin
21	GND	Ground
22	GND	Ground
23	GND	Ground
24	GND	Ground

3 Quick Test

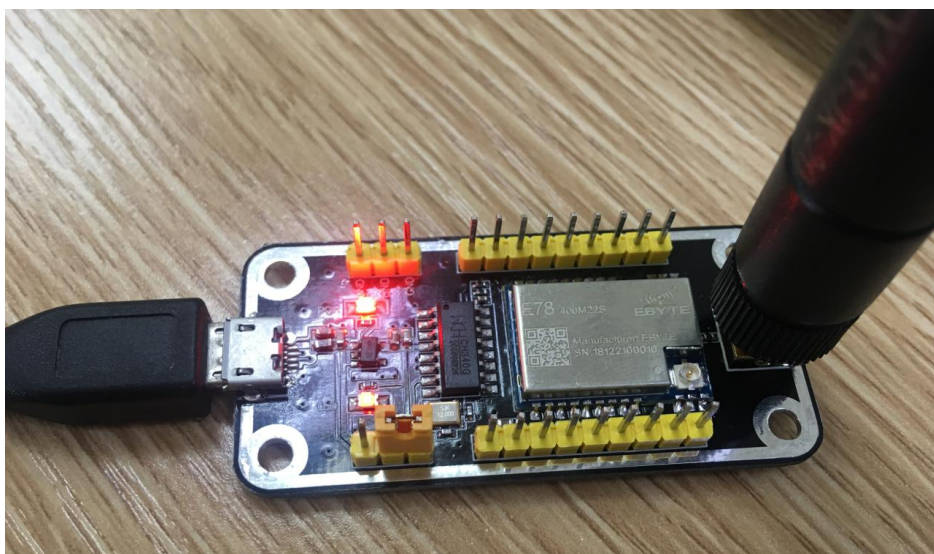
3.1 Driver Installation

Download [CH341SER.EXE](#) and install it on your computer.

This driver supports 32/64Windows10/8.1/8/7/VISTA/XP, SERVER2016/2012/2008/2003, 2000/ME/98. This program has passed Microsoft digital signature authentication, and supports USB to 3-wire and 9-wire serial ports.

3.2 Hardware Connection

Please prepare the Micro USB cable and antenna, connect them to E78-TBL-01, and open the corresponding serial port.



As shown in the picture, plug in the jumper cap and select 3.3V power supply to power the module. Both E78-TBL-01 are configured in this way. Open the corresponding serial port to send and receive data.



Revision history

Version	Date	Description	Issued by
1.00	2021-2-25	Initial version	Linson

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