E103-W04-TB Development Board
User Manual

Chengdu Ebyte Electronic Technology Co.,Ltd.

Contents

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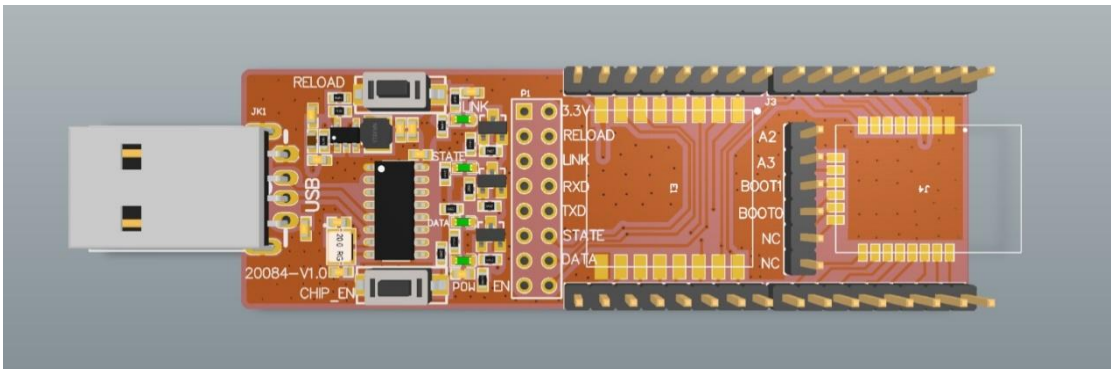
1. Module introduction

1.1 Introduction to features



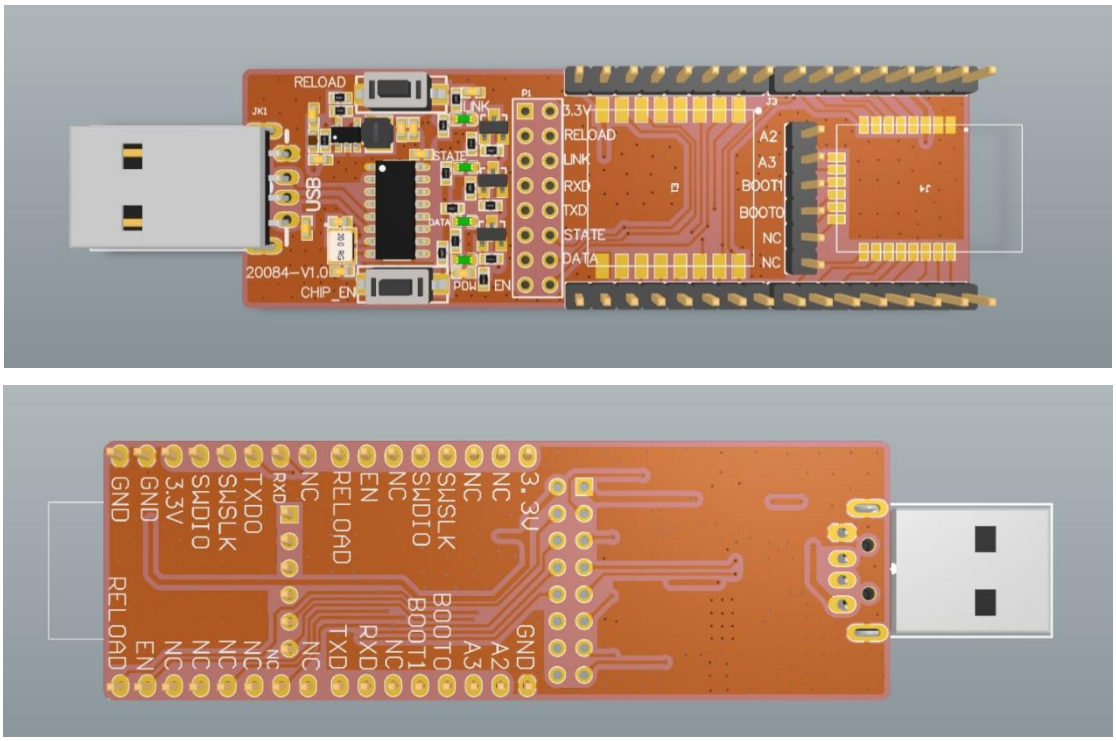
E103-W04-TB

E103-W04-TB is a test board adapted to E103-W04 and E103-W04B modules, built-in E103-W04 module, with PCB on-board antenna, has led all pins, can be connected 2.54 DuPont line used. The product has a built-in USB 2.0 to TTL interface, which is convenient for direct connection to the computer.

1.2 Parameter introduction

serial number	Parameter name	Parameter value	exegesis
1	Support modules	E103-W04 E103-W04B	WiFi serial port module
2	Module size	74.5 *24.5mm	USB connector included
3	Production process	Lead-free process, machine sticker	Wireless products must be machine-attached to ensure batch consistency and reliability
4	Power supply interface	USB	USB2.0
5	Communication interface	USB	USB2.0
6	Operating temperature	-40 ~ +85℃	Industrial grade
7	Operating humidity	10% ~ 90%	Relative humidity, non-condensing
8	Storage temperature	-40 ~ +125℃	Industrial grade

2. Pin Definition：



serial number	name	Junction	illustrate
1	USB	Computer	Connect the computer interface USB
2	CHIP_EN	keystroke	
3	GND	E103-W04B-GND	Connect E103-W04B, soldered by default
4	A2	E103-W04B-NC	Connect E103-W04B, soldered by default
5	A3	E103-W04B-NC	Connect E103-W04B, soldered by default
6	BOOT0	E103-W04B-NC	Connect E103-W04B, soldered by default
7	BOOT1	E103-W04B-NC	Connect E103-W04B, soldered by default
8	NC	E103-W04B-NC	Connect E103-W04B, soldered by default
9	RXD	E103-W04B-RXD	Connect E103-W04B, soldered by default
10	TXD	E103-W04B-TXD	Connect E103-W04B, soldered by default
11	NC	E103-W04-NC	Connect E103-W04
12	NC	E103-W04-NC	Connect E103-W04
13	NC	E103-W04-NC	Connect E103-W04
14	NC	E103-W04-NC	Connect E103-W04
15	NC	E103-W04-NC	Connect E103-W04
16	NC	E103-W04-NC	Connect E103-W 04
17	IN	E103-W04-NC	Connect E103-W04
18	RELOAD	E103-W04-RST	Connect E103-W04
19	GND	E103-W04-GND	Connect E103-W04
20	GND	E103-W04-GND	Connect E103-W04
21	3.3V	E103-W04-VCC	Connect E103-W04
22	SWDIO	E103-W04-NC	Connect E103-W04
23	SWSLK	E103-W04-NC	Connect E103-W04

24	TXD0	E103-W04-TXD	Connect E103-W04
25	RXD	E103-W04-RXD	Connect E103-W04
26	NC	E103-W04-NC	Connect E103-W04
27	RELOAD	E103-W04B-RESTORE	Connect E103-W04B
28	IN	E103-W04B-NC	Connect E103-W04B
29	NC	E103-W04B-NC	Connect E103-W04B
30	SWDIO	E103-W04B-NC	Connect E103-W04B
31	SWSLK	E103-W04B-NC	Connect E103-W04B
32	NC	E103-W04B-NC	Connect E103-W04B
33	NC	E103-W04B-NC	Connect E103-W04B
34	3.3V	E103-W04B-VCC	Connect E103-W04B
35	RELOAD	keystroke	Short press to restart, long press 5S device to restore to factory
36	LINK	Light	
37	STATE	Light	
38	DATA	Light	
39	PWR	Light	
40	3.3V	3.3V	When switched on, the module can be powered on using USB
41	RELOAD	RELOAD	After switching, it can be restored directly to the factory by pressing the button
42	LINK	LINK	The on-board LED light can be used directly when switched on
43	RXD	RXD	Once turned on, the on-board USB to TTL can be used directly
44	TXD	TXD	Once turned on, the on-board USB to TTL can be used directly
45	STATE	STATE	The on-board STATE lamp can be used directly after switching
46	DATA	DATA	The on-board DATA lamp can be used directly when switched on
47	PWR	PWR	The on-board PWR lamp can be used directly after switching
48	NC	E103-W04-NC	Connect E103-W04
49	NC	E103-W04-NC	Connect E103-W04
50	BOOT0	E103-W04-NC	Connect E103-W04
51	BOOT1	E103-W04-NC	Connect E103-W04
52	A3	E103-W04-NC	Connect E103-W04
53	A2	E103-W04-NC	Connect E103-W04

Note: For specific function instructions, please refer to the user manual of E103-W04/E103-W04B.

Notes:1. NC feet dangle.

2. If the external power supply is powered, only 3.3V can be used.

3. Version information

version	Revision date	Revision Instructions	Maintainers
1.0	2023-2-22	Initial version	Land
1.1	2023-5-4	Content modification	Li

4. About us

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