



Specification

Product Name: TUYA Wifi Stick, BMS

Model: TSW-T111, EMU1101-V16

Configuration	Parameter	Function
communication	CAN、RS485	optional

Supplier's signature and seal			Customer signature and seal		
Executed By	Xie Huajun / Zhou Guinan	Checked By	Wei Qi	Approved By	Huang Bin
Date		Date		Date	



Version	Date	Editor	Version Revision Note
V1.0	2024.6.24	Zhou Guinan	Create first draft



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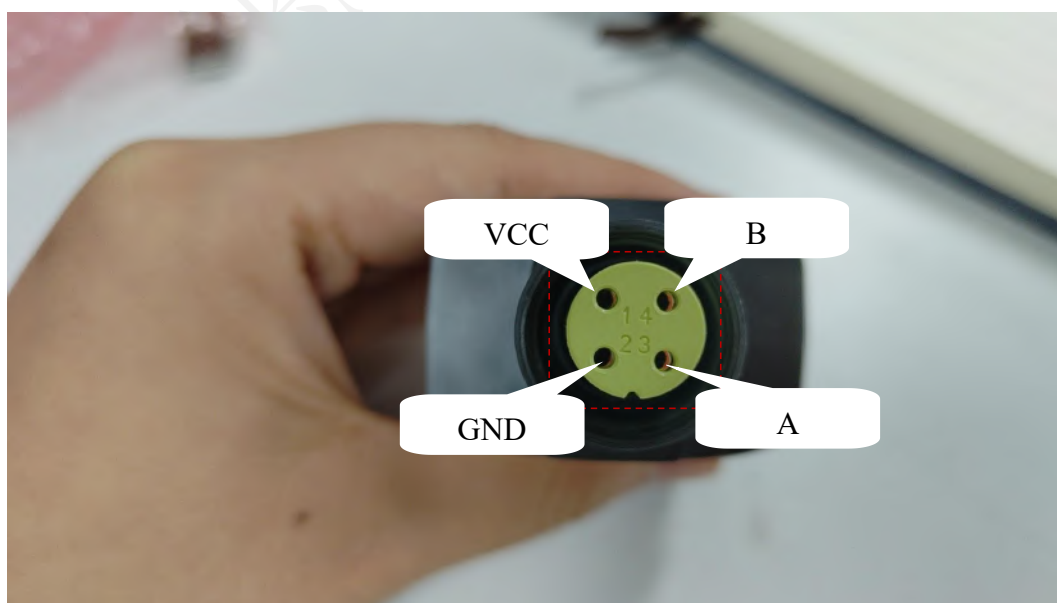
1、Application scope

This operation guide is mainly used to describe the connection method between the graffiti WIFI stick and the BMS protection board. Data communication with the host is carried out through RS485 communication, and parameter configuration and data monitoring are carried out through human-machine interaction in the upper computer software.

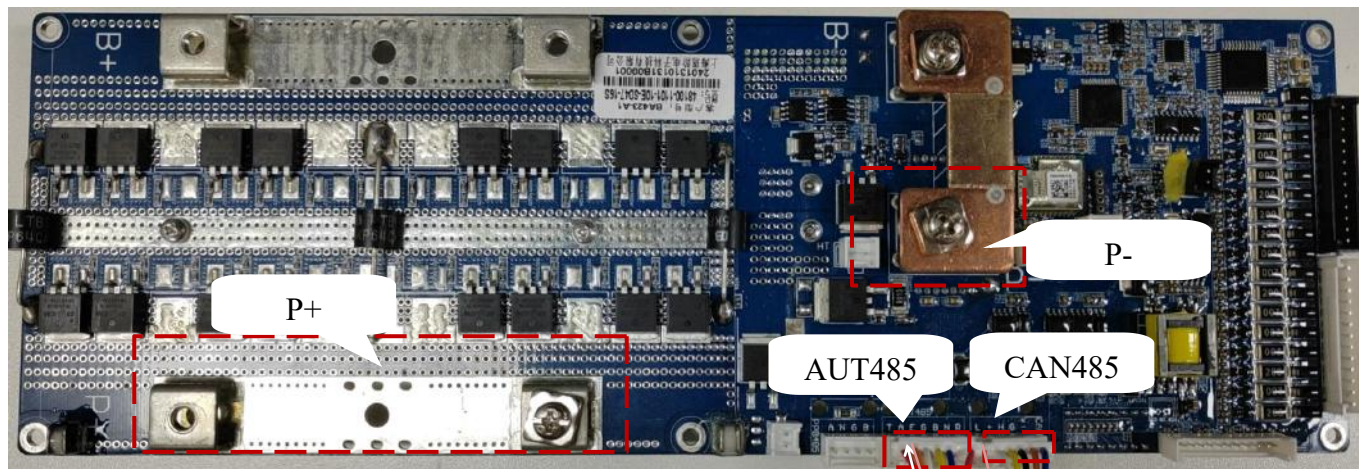
Note: The baud rate of the upper computer is 9600

2、Appearance

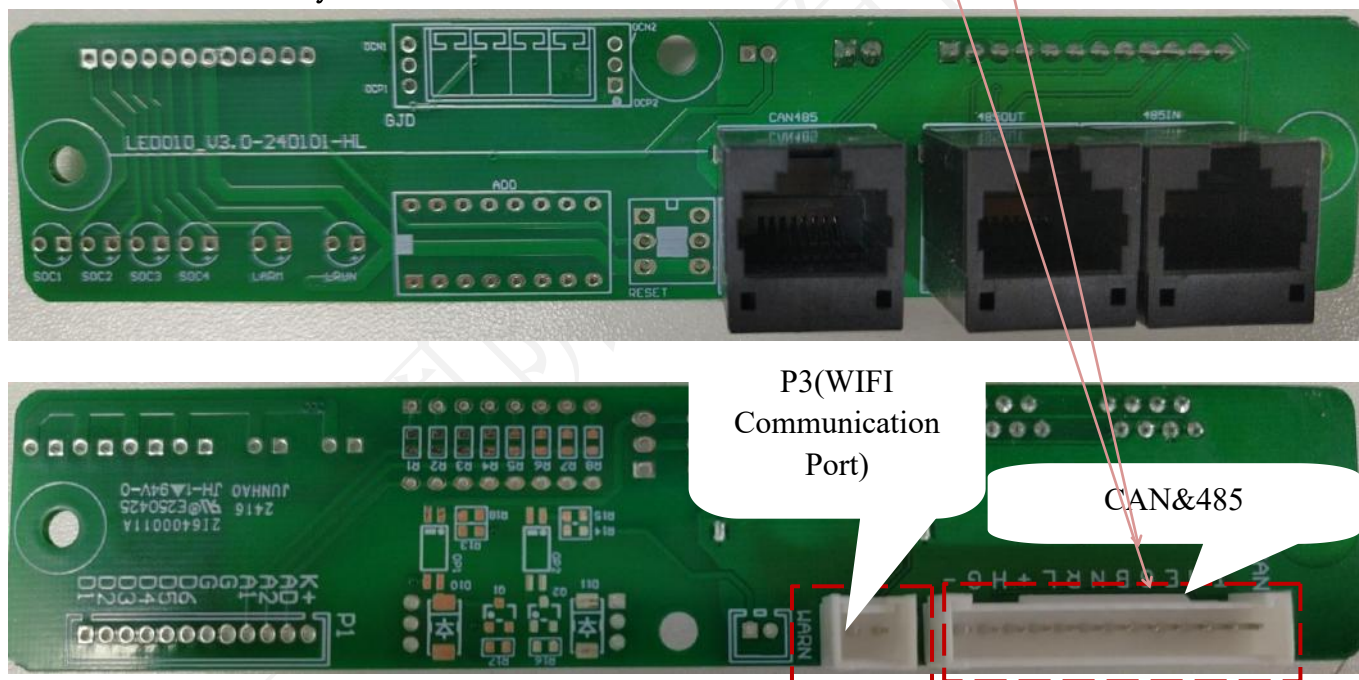
2.1、TUYA WIFI STICK' s Physical Picture



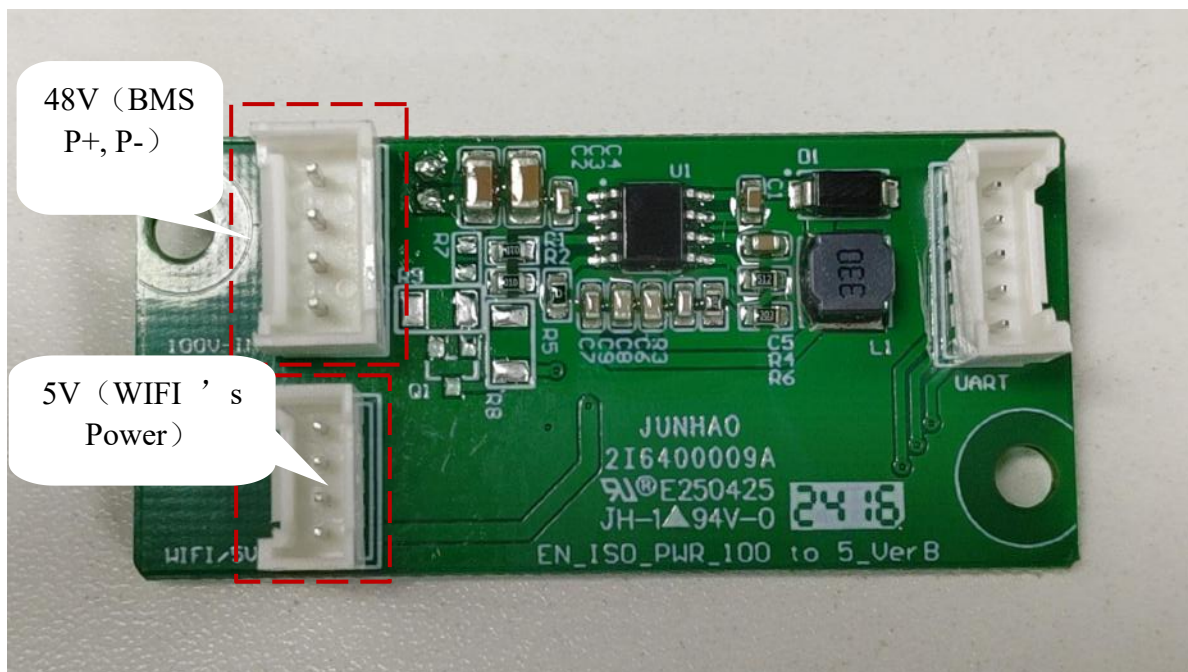
2.2、BMS Physical Picture



2.3、LED010-V3.0 Physical Picture



2.4、5V Adapter Board Physical Picture

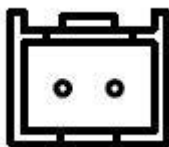


3、Functional Characteristics

3.1、LED010 Adapter Board' S Function Description

3.1.1、P3 Communication Port

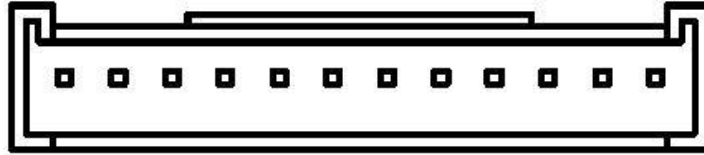
Contact the Communication Port with the WIFI Stick(A,B) (2Pin 2.5Housing)



Pin	Definition
1	B
2	A

3.1.2、CAN&485 Communication Port

Contact the Communication Port with the BMS5、7' s 485 Communication Port (12Pin 2.5Housing)

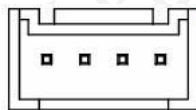


Pin	Definition
1	—
2	G
3	H
4	+
5	L
6	R
7	N
8	B
9	G
10	E
11	A
12	T

3.2、5V Adapter Board' S Function Description

3.2.1、100V-IN

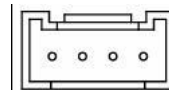
Get the power by the BMS' s “P+” , “P-” , Input 100V-IN(4Pin 2.5Housing)



Pin	Definition
1	N
2	EN
3	G
4	V

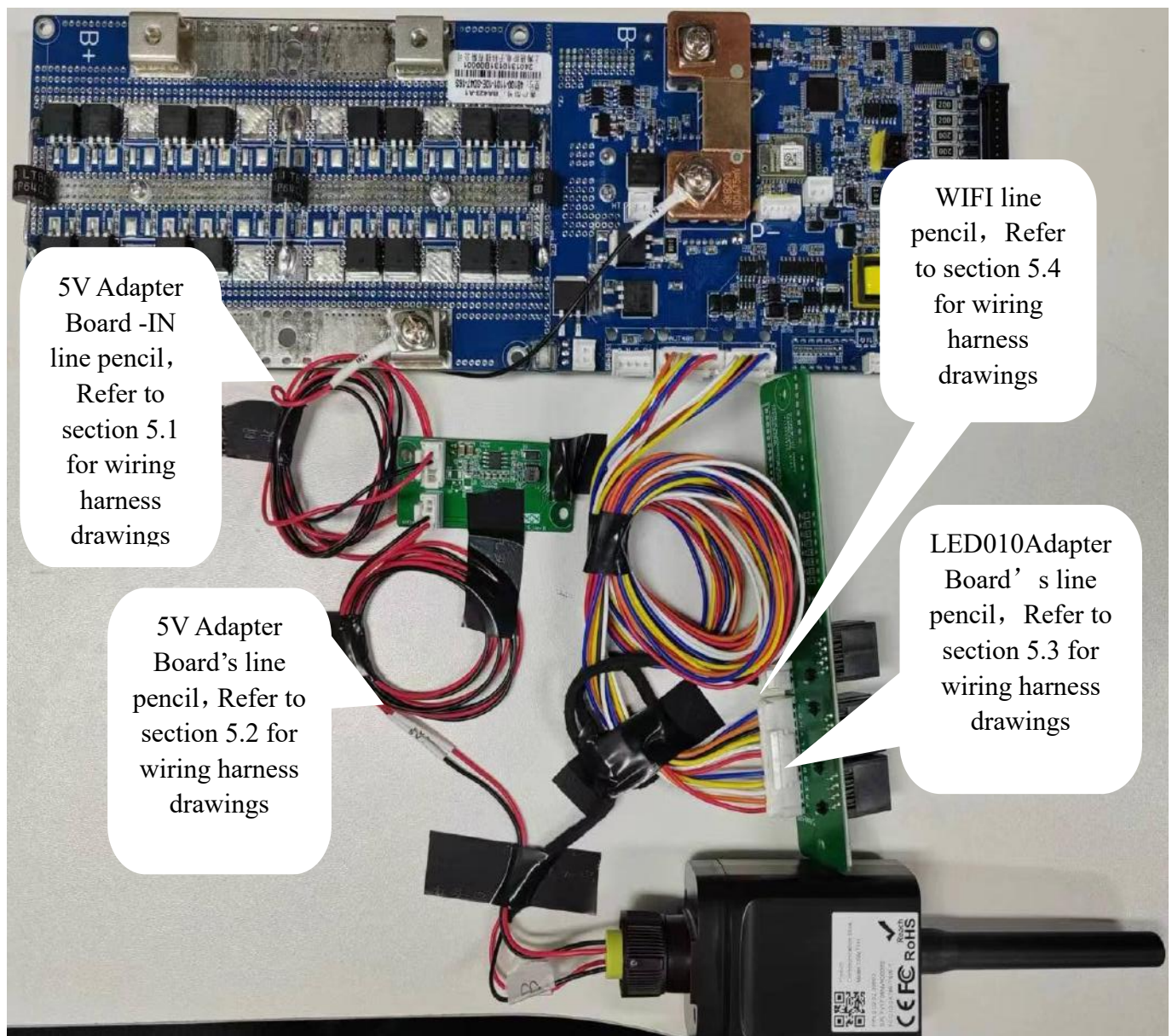
3.2.2、WIFI/5V

100V-IN output to 5V and supply the WIFI Stick' spower (4Pin 2.0Housing)



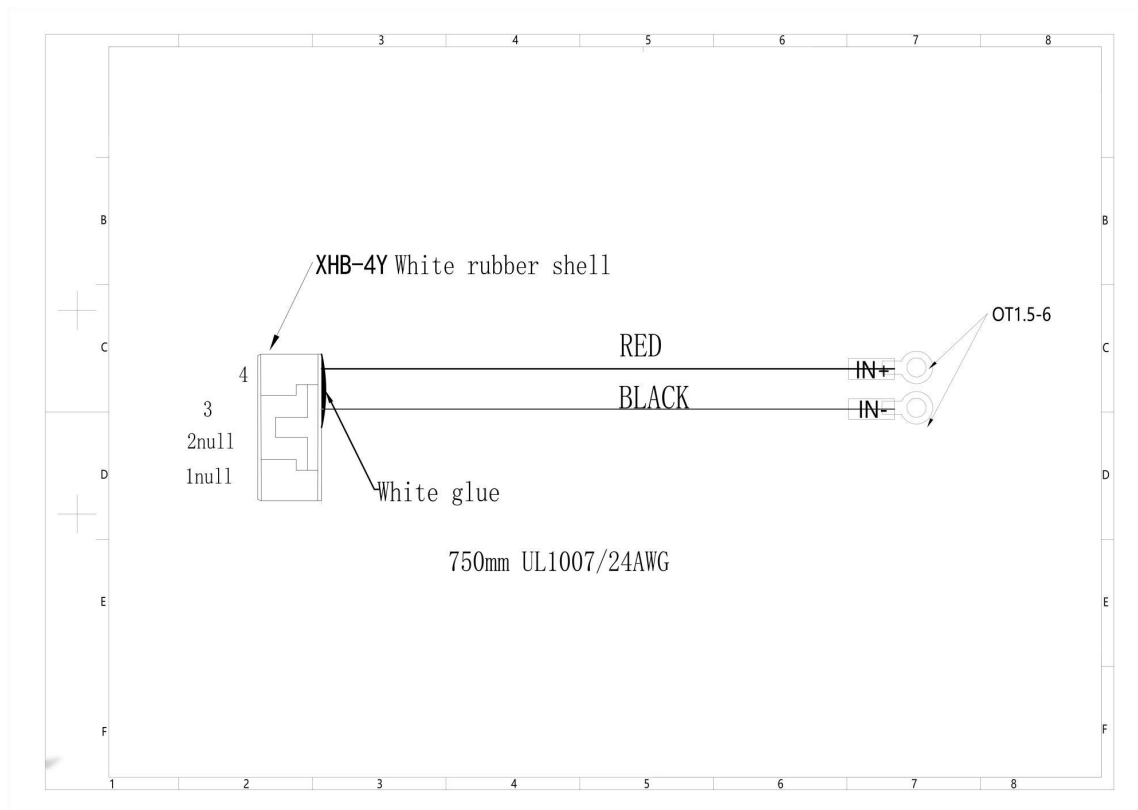
Pin	Definition
1	5V
2	G
3	T
4	R

4、Connection Reference Diagram

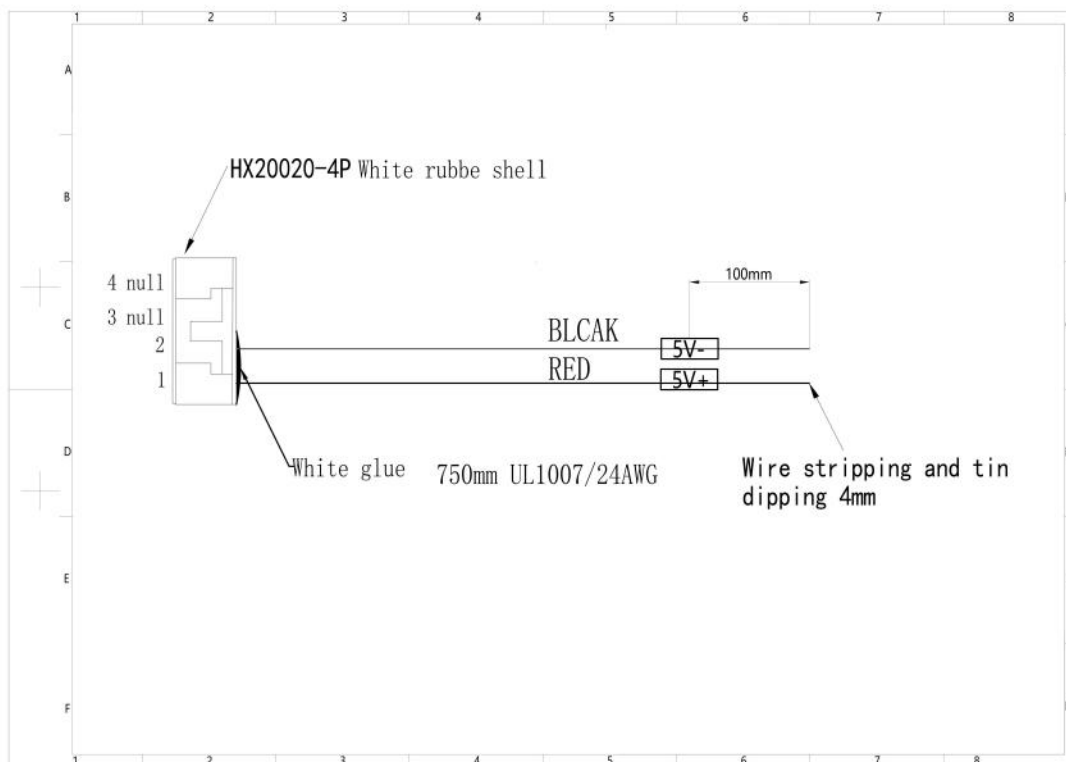


5、Wiring Harness Drawing

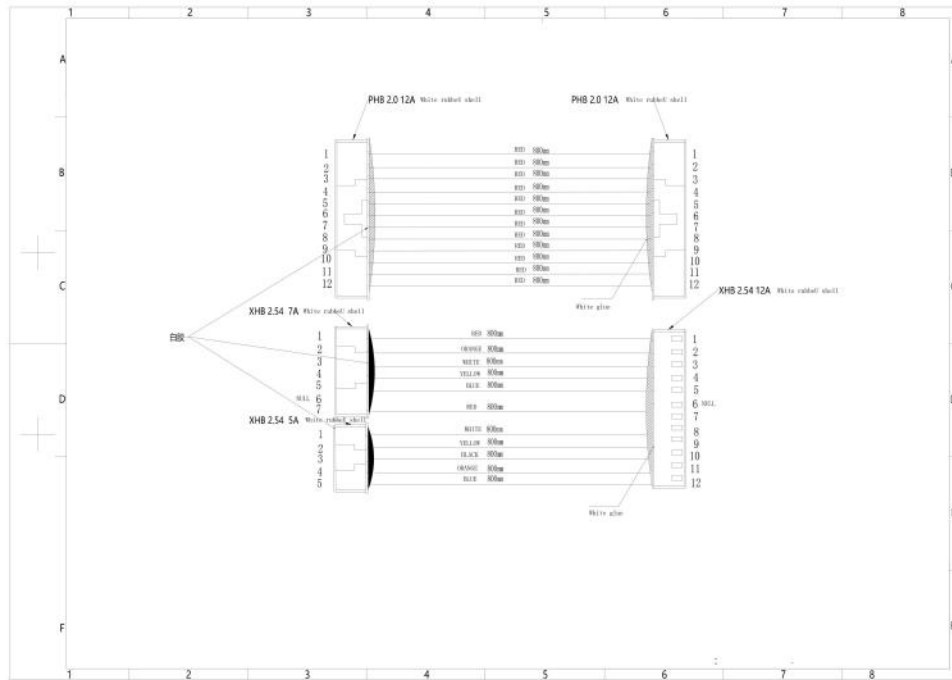
5.1、5V Adapter Board's -IN line pencil



5.2、5V Adapter Board's power line pencil



5. 3、LED010 Adapter Board's line pencil



5. 4、WIFI line pencil

