



上海恩阶电子科技有限公司

Shanghai energy Electronic Technology Co., Ltd.

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# Specification

|              |                          |
|--------------|--------------------------|
| Product name | IMU1740-LED1-V1.0-240501 |
| Version      | V1.0                     |
| Date         | 2024.12.18               |

| Ver  | Date       | Modify       | Version revision notes |
|------|------------|--------------|------------------------|
| V1.0 | 2024/12/17 | Zhou Jingnan | Create the first draft |
| V1.0 | 2025/4/16  | Zhang Jiamin | Add English version    |
|      |            |              |                        |



Content

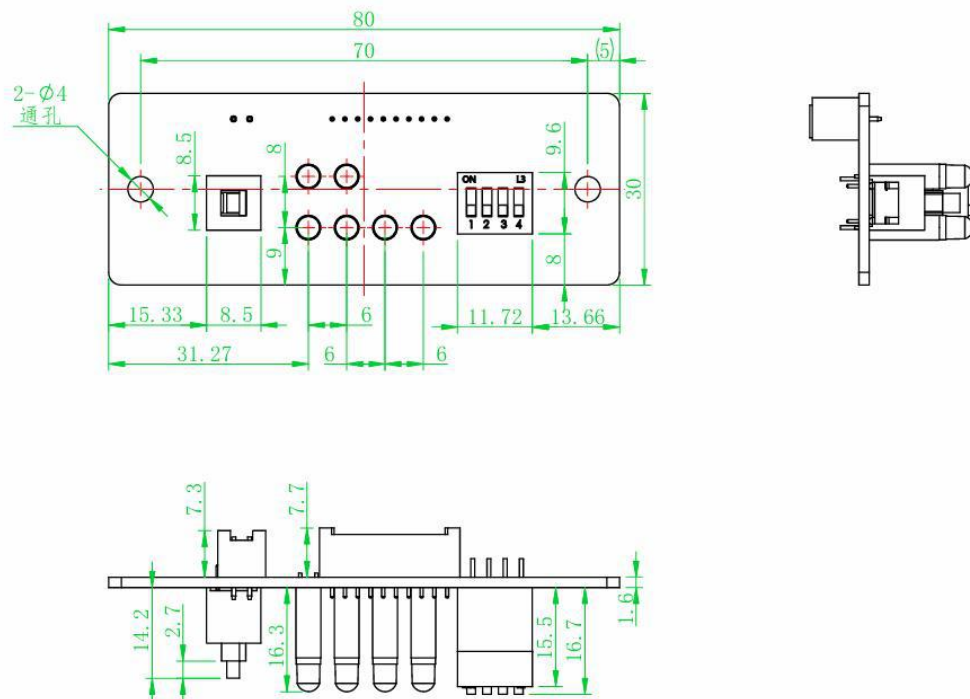
|                                                              |   |
|--------------------------------------------------------------|---|
| 一、 Summary .....                                             | 3 |
| 二、 Surface .....                                             | 3 |
| 2.1、 Size drawing .....                                      | 3 |
| 2.2、 Picture of real products .....                          | 4 |
| 2.3、 Plug description .....                                  | 4 |
| 三、 Plug-in interface description .....                       | 4 |
| 3.1、 SOC/ADD interface pin definition .....                  | 4 |
| 3.2、 Definition of the RESET interface pin .....             | 5 |
| 四、 Wiring diagram (this diagram is for reference only) ..... | 6 |

## 一、Summary

The product is the supporting equipment of 1740 series energy storage products, integrating reset, dial code and LED lights. In order to use this product correctly, please read the user manual carefully first and keep it properly for future use. Please install, use and operate according to the requirements in the user manual.

## 二、Surface

### 2.1、Size drawing



## 2.2、Picture of real products



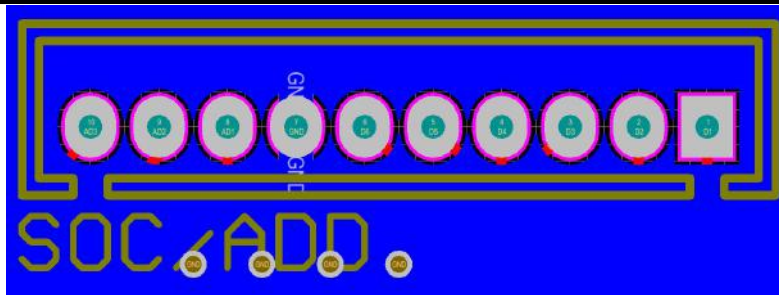
## 2.3、Plug description

| Num | Name    | Describe                  | Function                                                            | Type  |
|-----|---------|---------------------------|---------------------------------------------------------------------|-------|
| 1   | SOC/ADD | SOC/ADD input interface   | Power indicator light, status indicator light and code signal input | 10pin |
| 2   | RESET   | Reset the input interface | Reset key, switch on and off signal input                           | 2pin  |

# 三、Plug-in interface description

## 3.1、SOC/ADD interface pin definition

The battery level indicator, status indicator and parallel code signal input interface are used to display the battery level and BMS operating status, etc. The code switch can be manually coded for parallel operation. The interface pin is defined as:



Plug model on the board: HX20020-10A

| Num | Pin   | Name        | Describe                                       |
|-----|-------|-------------|------------------------------------------------|
| 1   | PIN1  | Run light   | Run indicator light                            |
| 2   | PIN2  | Alarm light | Alarm indicator light                          |
| 3   | PIN3  | SOC1        | SOC 25% indicator light                        |
| 4   | PIN4  | SOC2        | SOC 50% indicator light                        |
| 5   | PIN5  | SOC3        | SOC 75% indicator light                        |
| 6   | PIN6  | SOC4        | SOC 100% indicator light                       |
| 7   | PIN7  | GND         | GND                                            |
| 8   | PIN8  | Dial 1      | Check pin 1 of the parallel machine by dialing |
| 9   | PIN9  | Dial 2      | Check pin 2 of the parallel machine by dialing |
| 10  | PIN10 | Dial 3      | Check pin 3 of the parallel machine by dialing |

### 3.2、Definition of the RESET interface pin

BMS switch interface, short press 1s to turn on in shutdown state, long press more than 5s to turn off in startup state.

The interface pin is defined as:



Plug model on the board: XHB-2A (2pin、2.54Gap)

| Num | Pin  | Name | Describe      |
|-----|------|------|---------------|
| 1   | PIN1 | SW+  | Positive pole |
| 2   | PIN2 | SW-  | Negative pole |

#### 四、Wiring diagram (this diagram is for reference only)

