V1.0

灯板使用维护说明书

Light panel operation and maintenance manual

LED-EXT5-RS485

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1. 产品简介（Product Introduction）

本模块适用于锂电池保护板，该模块通过 RS485 协议与保护板建立通信连接，能实现电池 SOC（荷电状态）、充电状态、放电状态等关键信息的可视化显示，为运行状态的实时监测提供直观便捷的解决方案。

This module is suitable for lithium battery protection boards. The module establishes a communication connection with the protection board through RS485 protocol, and can achieve visual display of key information such as battery SOC (state of charge), charging status, and discharging status, providing an intuitive and convenient solution for real-time monitoring of operating status。

2. 灯板外观（Light panel appearance）

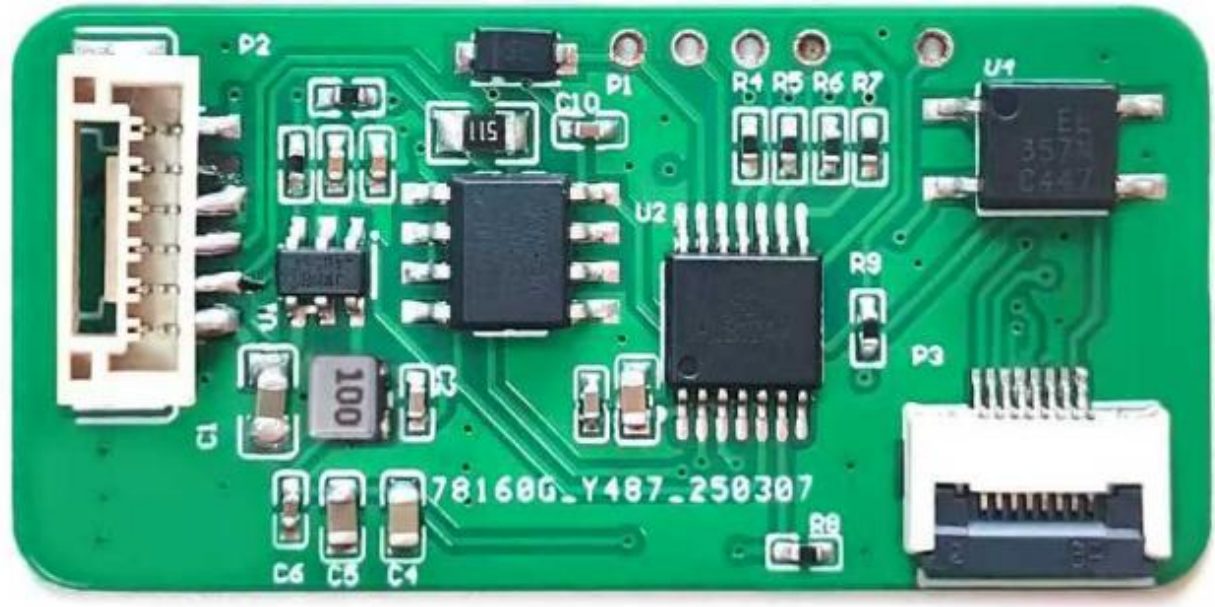


图 1/Figure1

3. 接口与线缆（Interface and cables）

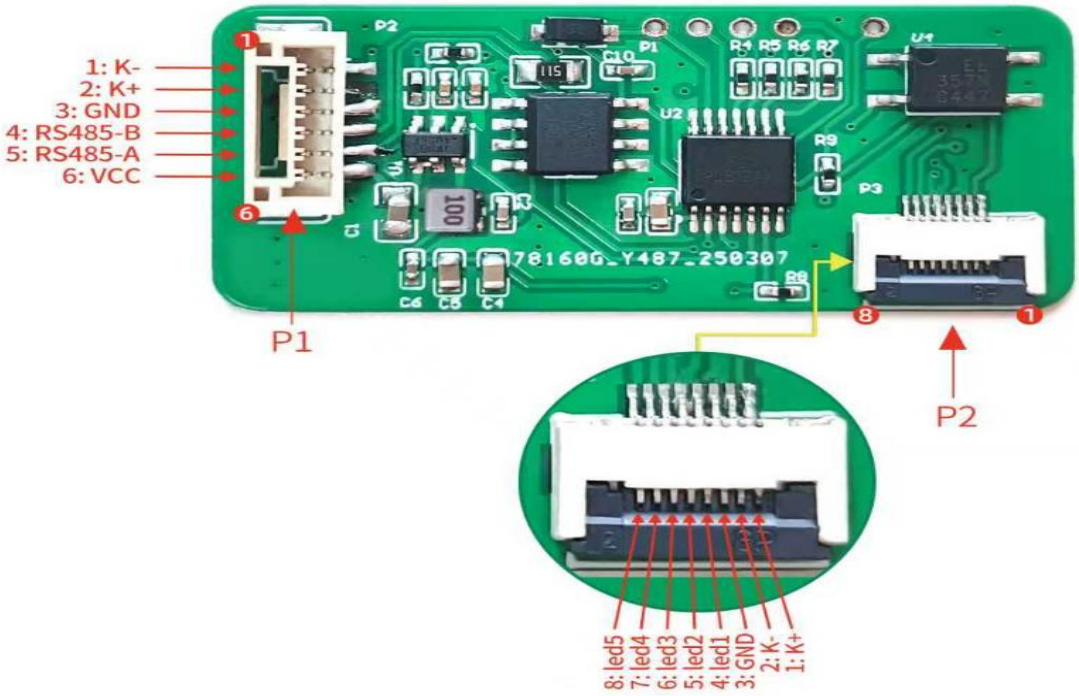


图 2-1/Figure2-1



图 2-2/Figure2-2

表 1-接口定义/List1-interface definition

连接器 Connector	序号	说明
接口 1 User Interface GH1.25-6P	1	K-
	2	K+
	3	GND，接地 Ground connection
	4	RS485-B
	5	RS485-A
	6	VCC，接 12V 供电 Connect to 12V power supply
接口 2 User Interface FPC-8P	1	K+
	2	K-
	3	GND，接地 Ground connection
	4	LED1
	5	LED2
	6	LED3
	7	LED4
	8	LED5

4. 接线方式(Connection diagram)

灯板提供了 2 个接口，其中一个用户接口是接 FPC-8P 接口类型的灯条，另一端接保护板的显示屏接口即可，无需分辨方向。

The light panel provides 2 interfaces. One user interface connects to an FPC-8P type light strip, and the other end connects to the display interface of the protection board. There is no need to distinguish the direction.

5. 尺寸图（Dimension drawing）

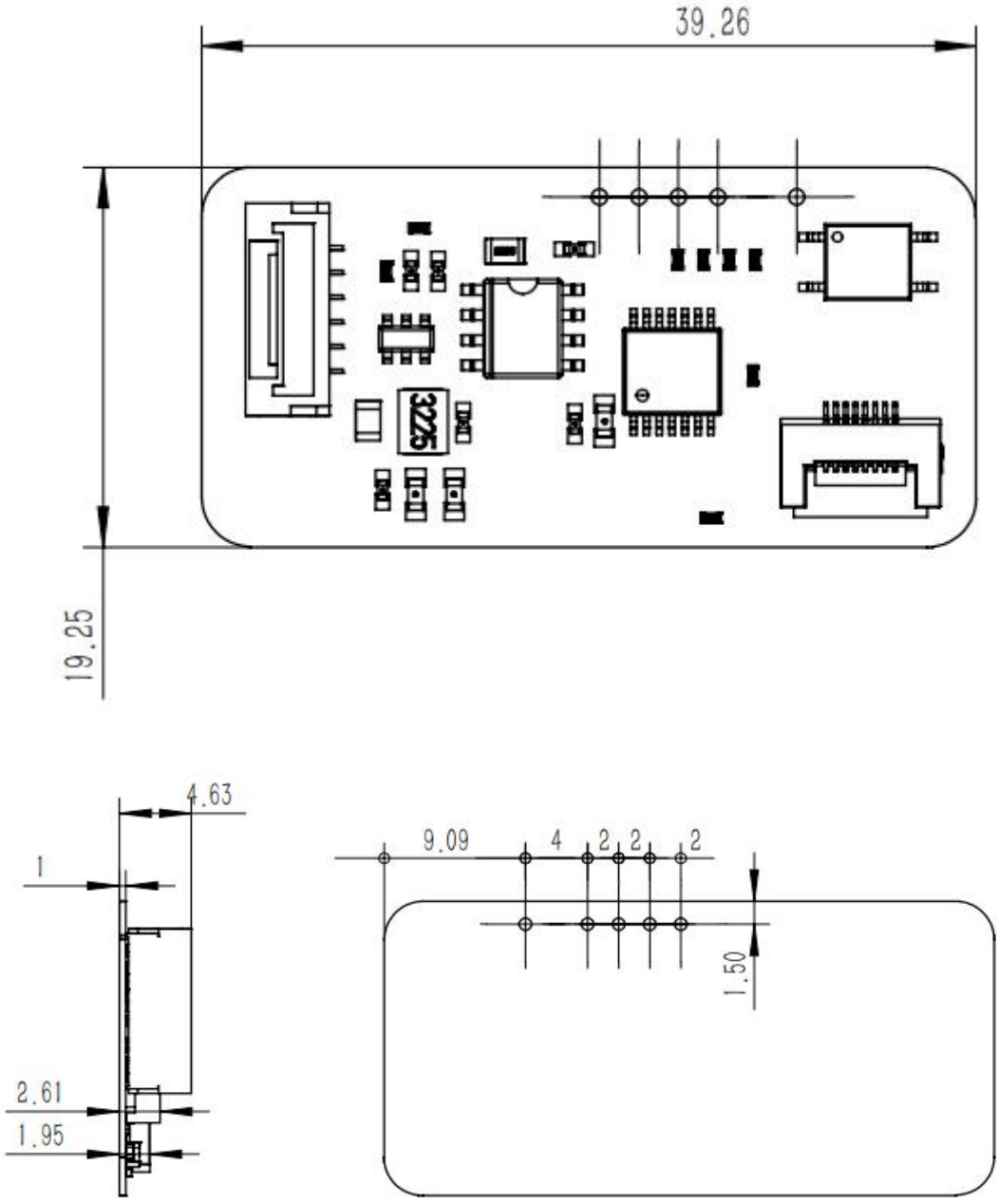


图 3/Figure3