



LD06-PI Lidar Cable Kit  
(Adapter board、Micro USB cable、Lead wire)



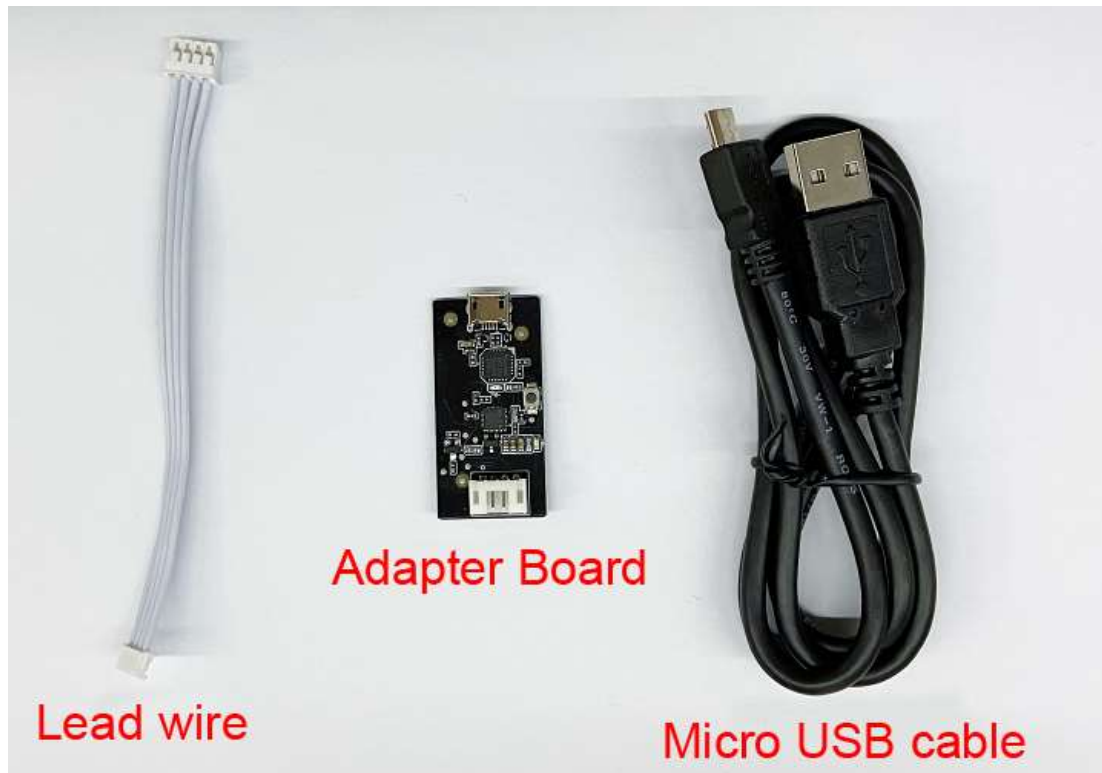
Datasheet v1.0

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## 1. Cable Kit Overview

LD06-PI Lidar Cable Kit consists of three parts: Adapter board, Micro USB cable and ZH1.5T-4P 1.5mm lead wire.



## 2. Specifications

### 2.1. Electrical and Mechanical Parameters

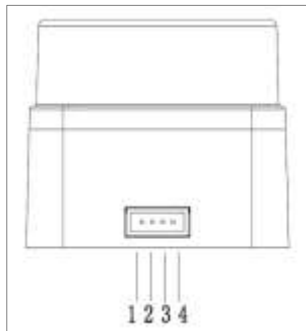
The electrical and mechanical parameters of adapter board.

| Parameters     | Unit | Minimum | Typical | Maximum | Remarks |
|----------------|------|---------|---------|---------|---------|
| Input Voltage  | V    | 4.5     | 5       | 5.5     |         |
| Output Voltage | V    | 4.5     | 5       | 5.5     |         |
| RX             | V    | 0       | 3.3     | 3.5     |         |
| TX             | V    | 0       | 3.3     | 3.5     |         |
| Working Temps  | °C   | -10     | 25      | 40      |         |
| Storage Temps  | °C   | -30     | 25      | 70      |         |

### 3. Data Interface

#### 3.1. Communication and Interface

LD06-PI uses ZH1.5T-4P 1.5mm standard socket to connect with external system for power supply and data output. The specific interface definition and parameter requirements are as following:

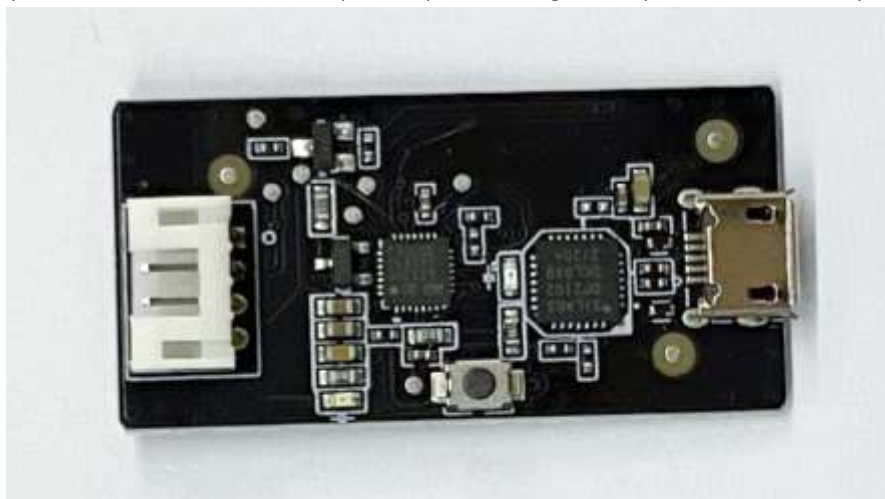


| No. | Signal | Type   | Description          | Minimum | Typical | Maximum |
|-----|--------|--------|----------------------|---------|---------|---------|
| 1   | Tx     | Output | Lidar data output    | 0V      | 3.3V    | 3.5V    |
| 2   | PWM    | Input  | Motor control signal | 0V      | -       | 3.3V    |
| 3   | GND    | Power  | Power negative       | -       | 0V      | -       |
| 4   | P5V    | Power  | Power positive       | 4.5V    | 5V      | 5.5V    |

### 4. Mechanical Size

#### 4.1. Adapter board

The size of adapter board is 40\*20\*7.5mm(L\*W\*H). Following is the picture of the adapter board:



## 4.2. Micro USB cable

The length of the Micro USB cable is 500mm. Following is the picture of the Micro USB cable:



## 4.3. Lead wire

The length of ZH1.5T-4P 1.5mm lead wire is 100mm. Following is the picture of the Lead wire.



## 4.4. Package Box

The size of the package box 105mm\*40mm\*30mm and the gross weight of the package box is 46g±3g. Following is the picture of the package box.



## 5. Revised record

| Version | Author        | Date       | Revised Content                          |
|---------|---------------|------------|--|
| 1.0     | Hongfeng Ying | 2021-12-29 | Create LD06-PI Lidar Cable Kit Datasheet |
| 1.1     | Apollo He     | 2022-1-5   | Translate from Chinese to English        |
|         |               |            |  |
|         |               |            |  |