

PCB LAYOUT

Diagram showing a PCB layout with dimensions and tolerances:

- Overall width:  $2.40$
- Overall height:  $2.00$
- Internal width dimension:  $3.50 \pm 0.03$
- Internal height dimension:  $0.00$
- Internal width dimension:  $\phi 1.40^{+0.10}_{-0.00}$

Technical drawing of a mechanical part, likely a bearing housing, showing dimensions in millimeters. The drawing includes a side view and a cross-sectional view. Key dimensions are: overall length 20.00, overall height 14.60, distance from front face to center of hole 12.00, hole diameter  $2.10 \pm 0.30$ , and hole depth 1.35. The cross-section shows a hole with a diameter of 2.45 mm.

Technical drawing of a mechanical part, likely a bracket or support structure, showing dimensions in millimeters. The overall width is 17.85 mm. The overall height is 15.35 mm. The drawing includes a central vertical section with a width of 3.50 mm and a horizontal section with a width of 2.00 mm. A small dimension of 0.80 mm is indicated at the bottom right corner.

| UL/CUL 技术参数<br>UL/CUL Technical Data |                                            |       |  |     |     |
|--------------------------------------|--------------------------------------------|-------|-------------------------------------------------------------------------------------|-----|-----|
| 等级                                   | Use Group                                  |       | B                                                                                   | C   | D   |
| 额定电压                                 | Rated Voltage                              | [V]   | 300                                                                                 | -   | 300 |
| 额定电流                                 | Rated Current                              | [A]   | 8                                                                                   | -   | 10  |
| 接线范围<br>单/多芯线                        | Wire Range<br>Solid/Stranded               | [AWG] | -                                                                                   |     |     |
| 耐电压                                  | Withstanding Voltage                       |       |                                                                                     |     |     |
|                                      |                                            |       | 1600V/1Min                                                                          |     |     |
| IEC 技术参数<br>IEC Technical Data       |                                            |       |  |     |     |
| 过电压类别                                | Overvoltage Category                       |       | III                                                                                 | III | II  |
| 污染等级                                 | Contamination Class                        |       | 3                                                                                   | 2   | 2   |
| 额定电压                                 | Rated Voltage                              | [V]   | -                                                                                   | 160 | 320 |
| 额定电流                                 | Rated Current                              | [A]   | -                                                                                   | 7   | 7   |
| 额定冲击电压<br>Impulse withstand voltage  |                                            | [kV]  | -                                                                                   | 2.5 | 2.5 |
| 导线横截面积<br>硬质/柔性导线                    | Conductor cross section<br>Solid/ flexible | [mm²] | -                                                                                   |     |     |
| 材 料                                  | Material                                   |       |                                                                                     |     |     |
| 绝缘材料                                 | Insulation Material                        |       | PA66                                                                                |     |     |
| 阻燃等级                                 | Inflammability                             |       | UL94V-0                                                                             |     |     |
| 导体材料                                 | Conductor Material                         |       | 铜合金 Copper alloy                                                                    |     |     |
| 导体表面镀层                               | Conductive Coating                         |       | 镀锡 Tin Plated                                                                       |     |     |
| 一般参数 Other Data                      |                                            |       |                                                                                     |     |     |
| 间距                                   | Pitch                                      | [mm]  | 3.5                                                                                 |     |     |
| 极数                                   | Pole                                       | [P]   | 5                                                                                   |     |     |
| 剥线长度                                 | Stripping Length                           | [mm]  | -                                                                                   |     |     |
| 螺丝                                   | Screw/扭矩 Torque(Max)                       | [N.m] | -                                                                                   |     |     |
| 工作温度                                 | Operating temperatur                       | [°C]  | -40~+105                                                                            |     |     |
| 引脚尺寸                                 | Pin Dimensions                             | [mm]  | 2.1                                                                                 |     |     |
| PCB板孔径                               | PCB Hole Diameter                          | [mm]  | 1.4                                                                                 |     |     |

|      |     |      |          |                                                                                                                                                           |          |                 |         |    |          |     |                             |                                                                                       |        |   |
|------|-----|------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|---------|----|----------|-----|-----------------------------|---------------------------------------------------------------------------------------|--------|---|
| DES. | LQQ | DATE | 22.04.18 | <div></div> <div>慈溪市科发电子有限公司<br/>CIXI KEFA ELECTRONIC CO., LTD</div> | 单位/UNITS | mm              | 尺寸/SIZE | A4 | 比例/SCALE | 1:1 | 第三视角/THIRD ANGLE PROJECTION |  | 版本/REV | A |
| CHK. | BY  | DATE | 22.04.18 |                                                                                                                                                           | 名称/TITLE | KF2EDGLF-3.5-5P |         |    |          |     |                             |                                                                                       |        |   |
| APP. | CLF | DATE | 22.04.18 |                                                                                                                                                           |          |                 |         |    |          |     |                             |                                                                                       |        |   |