



Hunyi  
准亿科技

Shenzhen Zhunyi Technology Co., Ltd.

深圳市准亿科技有限公司 LCM 产品规格书

## 1. General Specifications 基本规格

| 项目 Item                              | 规格标准值 Main Display               | 单位 Unit |
|--------------------------------------|----------------------------------|---------|
| 显示点阵数<br>Number of Pixels            | 480 * RGB * 272                  | Pixel   |
| LCM 外型尺寸<br>LCM Outline Dimension    | 105.46 (W) * 67.16 (H) * 2.75(T) | mm      |
| LCD 尺寸<br>LCD Outline Dimension      | 100.16 (W) * 61.86 (H) * 0.8(T)  | mm      |
| LCD 动态显示区<br>Active Area             | 95.04* 53.86                     | mm      |
| 像素尺寸<br>Pixel Pitch                  | 0.198 *0.198                     | mm      |
| 显示方式<br>Display Mode                 | Normally Black                   |         |
| 像素成分<br>Pixel Arrangement            | RGB vertical stripe              |         |
| 视角<br>Viewing Direction              | Free                             |         |
| 颜色排列<br>Color Configuration          | RGB                              |         |
| LCD 透过率<br>LCD Transmittance         | Typ:6.9%; Min:6.2%               |         |
| LCD 对比度<br>LCD Contrast Ratio        | Typ:800; Min:640                 |         |
| FPC 版本<br>FPC Version                | Z43016-P40 V2                    |         |
| 接口<br>Interface                      | RGB                              |         |
| 工作温度<br>Operating Temperature        | -30℃ ~ 85℃                       |         |
| 储存温度<br>Storage Temperature          | -30℃ ~ 85℃                       |         |
| 背光排列方式<br>Backlight arrangement      | LED / 2 并 5 串                    |         |
| 亮度<br>Luminance                      | -                                |         |
| 重量<br>Weight                         | -                                |         |
| 准亿科技只能承诺： 同一批次产品的一致性，不承诺批次与批次之间的一致性。 |                                  |         |



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## 2. LCM-Pin Assignments 接口定义描述

| 引脚号 | 引脚定义  | 功能说明                                |
|-----|-------|-------------------------------------|
| 1   | LED-K | POWER SUPPLY- FOR BACKLIGHT CATHODE |
| 2   | LED-A | POWER SUPPLY+ FOR BACKLIGHT ANODE   |
| 3   | GND   | Ground                              |
| 4   | VDD   | POWER SUPPLY                        |
| 5   | R0    | Red Data                            |
| 6   | R1    | Red Data                            |
| 7   | R2    | Red Data                            |
| 8   | R3    | Red Data                            |
| 9   | R4    | Red Data                            |
| 10  | R5    | Red Data                            |
| 11  | R6    | Red Data                            |
| 12  | R7    | Red Data                            |
| 13  | G0    | Green Data                          |
| 14  | G1    | Green Data                          |
| 15  | G2    | Green Data                          |
| 16  | G3    | Green Data                          |
| 17  | G4    | Green Data                          |
| 18  | G5    | Green Data                          |
| 19  | G6    | Green Data                          |
| 20  | G7    | Green Data                          |
| 21  | B0    | Blue Data                           |
| 22  | B1    | Blue Data                           |
| 23  | B2    | Blue Data                           |
| 24  | B3    | Blue Data                           |
| 25  | B4    | Blue Data                           |
| 26  | B5    | Blue Data                           |
| 27  | B6    | Blue Data                           |
| 28  | B7    | Blue Data                           |
| 29  | GND   | Ground                              |
| 30  | CLK   | Pixel clock signal in RGB I/F       |
| 31  | DISP  | Display on/off                      |
| 32  | HSYNC | Horizontal sync. Signal in RGB I/F. |
| 33  | VSYNC | Vertical sync. Signal in RGB I/F.   |
| 34  | DE    | Data enable                         |
| 35  | NC    | NC                                  |
| 36  | GND   | Ground                              |
| 37  | NC    | NC                                  |
| 38  | NC    | NC                                  |
| 39  | NC    | NC                                  |
| 40  | NC    | NC                                  |

