



**Hunyi**  
准亿科技

Shenzhen Zhunyi Technology Co., Ltd.

LCM PRODUCT SPECIFICATION

## 1. General Specifications

| Item                  | Main Display                      | Unit  |
|-----------------------|-----------------------------------|-------|
| Number of Pixels      | 800 * RGB * 1280                  | Pixel |
| LCM Outline Dimension | 125.48 (W) * 202.90 (H) * 2.6 (T) | mm    |
| LCD Outline Dimension | 123.68 (W) * 200.00 (H) * 0.8 (T) | mm    |
| Active Area           | 119.28 x 190.85                   | mm    |
| Pixel Pitch           | 149.1x 149.1                      | um    |
| Display Mode          | Normal Black                      |       |
| Pixel Arrangement     | RGB vertical stripe               |       |
| Viewing Direction     | FREE                              |       |
| Color Configuration   | RGB                               |       |
| LCD Transmittance     | Typ:4.8%; Min:4.2%                |       |
| LCD Contrast Ratio    | Typ:1000;                         |       |
| FPC Version           | Z90009-P40H V1                    |       |
| Interface             | MIPI                              |       |
| Operating Temperature | -20℃ ~ 70℃                        |       |
| Storage Temperature   | -30℃ ~ 80℃                        |       |
| Backlight arrangement | White LED*30                      |       |
| Luminance             | -                                 | nit   |
| 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。



**Hunyi**  
准化科技

Shenzhen Zhunyi Technology Co., Ltd.

LCM PRODUCT SPECIFICATION

## 2.LCM-Pin Assignments

| Pin No | Symbol | Description                                                 |
|--------|--------|-------------------------------------------------------------|
| 1      | NC     | NC                                                          |
| 2      | VDDI   | POWER SUPPLY (1.8V)                                         |
| 3      | VDD    | POWER SUPPLY (3.3V)                                         |
| 4      | NC     | NC                                                          |
| 5      | RESET  | Reset pin (1.8V)                                            |
| 6      | NC     | NC                                                          |
| 7      | GND    | Ground                                                      |
| 8      | D0-N   | MIPI-DSI Data differential signal input pins. (Data lane 0) |
| 9      | D0-P   | MIPI-DSI Data differential signal input pins. (Data lane 0) |
| 10     | GND    | Ground                                                      |
| 11     | D1-N   | MIPI-DSI Data differential signal input pins. (Data lane 1) |
| 12     | D1-P   | MIPI-DSI Data differential signal input pins. (Data lane 1) |
| 13     | GND    | Ground                                                      |
| 14     | CLK-N  | MIPI-DSI CLOCK differential signal input pin                |
| 15     | CLK-P  | MIPI-DSI CLOCK differential signal input pin                |
| 16     | GND    | Ground                                                      |
| 17     | D2-N   | MIPI-DSI Data differential signal input pins. (Data lane 2) |
| 18     | D2-P   | MIPI-DSI Data differential signal input pins. (Data lane 2) |
| 19     | GND    | Ground                                                      |
| 20     | D3-N   | MIPI-DSI Data differential signal input pins. (Data lane 3) |
| 21     | D3-P   | MIPI-DSI Data differential signal input pins. (Data lane 3) |
| 22     | GND    | Ground                                                      |
| 23     | NC     | NC                                                          |
| 24     | NC     | NC                                                          |
| 25     | GND    | Ground                                                      |
| 26     | NC     | NC                                                          |
| 27     | PWM    | Backlight on/off control pin.                               |
| 28     | NC     | NC                                                          |
| 29     | NC     | NC                                                          |
| 30     | GND    | Ground                                                      |
| 31     | LED-K  | POWER SUPPLY- FOR BACKLIGHT CATHODE                         |
| 32     | LED-K  | POWER SUPPLY- FOR BACKLIGHT CATHODE                         |
| 33     | NC     | NC                                                          |
| 34     | NC     | NC                                                          |
| 35     | NC     | NC                                                          |
| 36     | NC     | NC                                                          |
| 37     | NC     | NC                                                          |
| 38     | NC     | NC                                                          |
| 39-40  | LED-A  | POWER SUPPLY+ FOR BACKLIGHT                                 |

注：RESET 电压需要与 VDDI 电压一致，如果电压不同，会有概率出现开机黑屏现象。