



深圳德彩光电有限公司

Shenzhen Dicolor Optoelectronics Co.,Ltd

LED模组规格书

LED MODULE SPECIFICATION

| | |
|-----------------|-------------------|
| 编号 (NO.): | DI-P12F2 |
| 类型 (Type): | Indoor LED Module |
| 间距 (Pitch): | 12 mm |
| 驱动 (Driving): | 1/2 Duty |
| 版本 (Version): | 1.0 |



请避免重物挤压灯面!



小心静电损坏LED!



非专业人员请勿维修!

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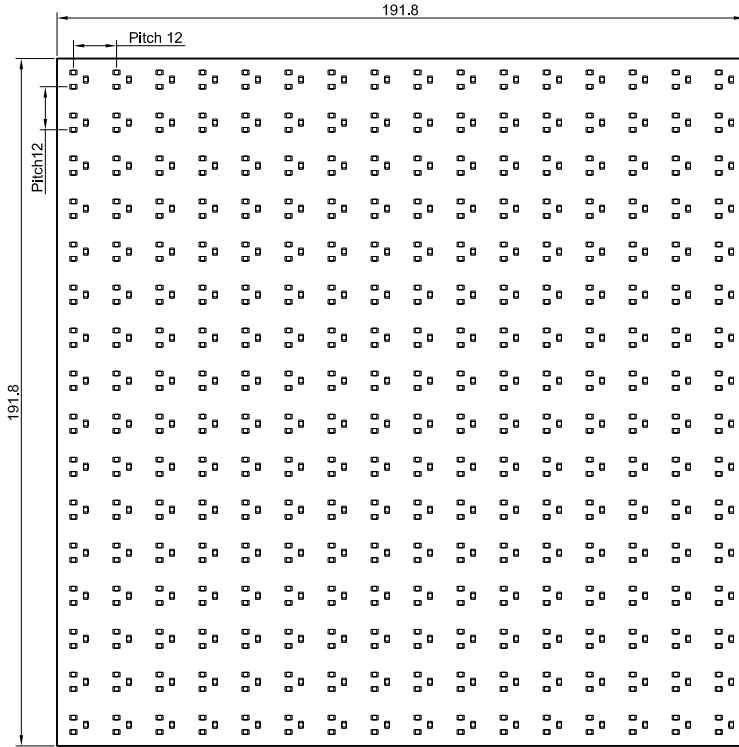
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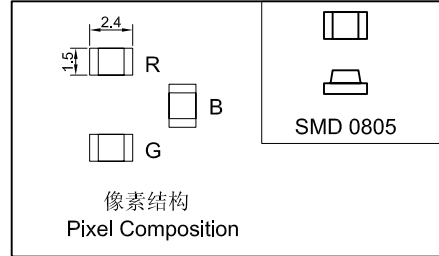
DI-P12F2

户内模组 (INDOOR MODULE)

单位 / Unit : mm

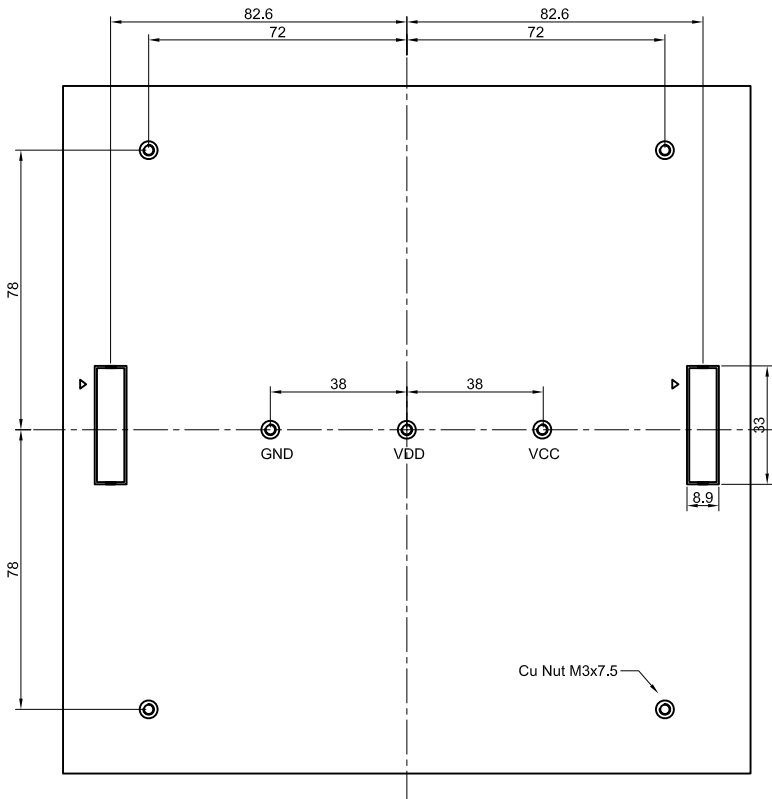


FRONT VIEW

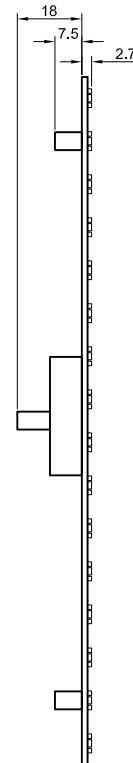


Pin Assignment (Data JP1/JP2 - F.C.20)

| Pin NO. | Function | Pin NO. | Function |
|---------|----------|---------|----------|
| 1 | R0 | 2 | R1 |
| 3 | R2 | 4 | R3 |
| 5 | G0 | 6 | G1 |
| 7 | G2 | 8 | G3 |
| 9 | B0 | 10 | B1 |
| 11 | B2 | 12 | B3 |
| 13 | A | 14 | GND |
| 15 | CLK | 16 | GND |
| 17 | LAT | 18 | GND |
| 19 | OE | 20 | GND |



BACK VIEW



SIDE VIEW



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DI-P12F2

户内模组 (INDOOR MODULE)

主要技术指标

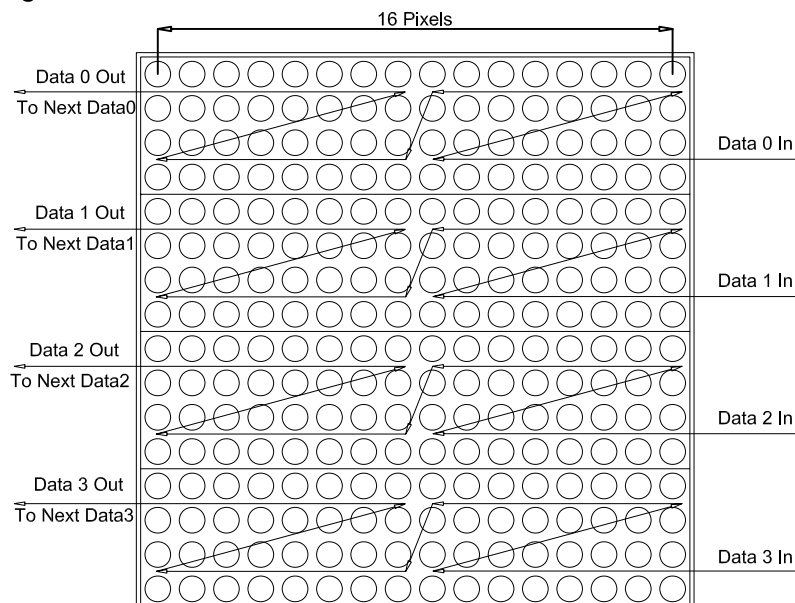
MAIN SPECIFICATIONS

(温度条件 Ta = 25°C)

| 项目 (ITEM) | 参数 DESCRIPTION |
|--------------------------------|--|
| 像素间距 (Pixel Pitch) | Pitch 12 mm |
| 显示分辨率 (Display resolution) | 16 x 16 Dots |
| 像素基色 (Pixel configuration) | 1 R, 1 G, 1 B |
| 物理密度 (Physical density) | 6945 (pixels / m ²) |
| 驱动方式 (Driving Method) | 1/2 Duty |
| 外形尺寸 (Panel size) | 191.8x191.8mm |
| 灰度等级 (Gray scale) | 256 greys for each colour (16,7 77,216 grade) 每种颜色256级;共16,777,216级 |
| 显示亮度 (Brightness) | 1200 ± 10% Nit |
| 模组视角 (Viewing angle) | H:160° / V:120° |
| 最佳视距 (Option distance) | > 10 M |
| LED封装 (LED Encapsulation) | SMD0805 |
| LED波长 (LED Wavelength) | R:620~635nm G:515~530nm B:460~475nm |
| 工作电压 (Working Voltage) | DC 5 V |
| 使用功耗 (Working Consumption) | 40 W |
| 使用寿命 (Life Time) | 100,000 Hours |
| 环境温度 (Environment Temperature) | -20° C ~ 60° C |

数据传输图

Drive Data Register Direction



FRONT VIEW (LAMP VIEW)