



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-P16R1 |
| 类型 (Type): | Outdoor LED Module |
| 间距 (Pitch): | 16.0 mm |
| 驱动 (Driving): | Static Duty |
| 版本 (Version): | 1.0 |



地址:深圳市宝安区福永镇福海大道福海科技工业园 B3区2栋2楼

Address:Floor 2,Seat 2,B3 District,FuHai Technology Industry Park,Fuyong
Town,Shenzhen,China

电话(Tel):0086-755-29604770/29604771/29604749 传真(Fax):0086-755-29604042

网址(Web):Http//www.dicolor.cn

邮编(Post code):518103



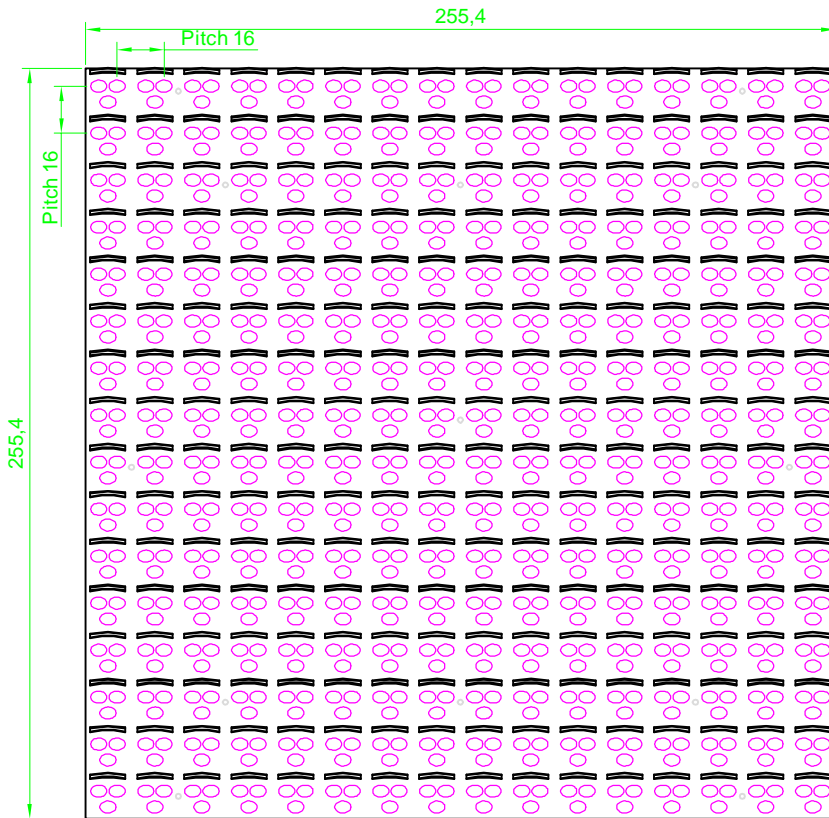
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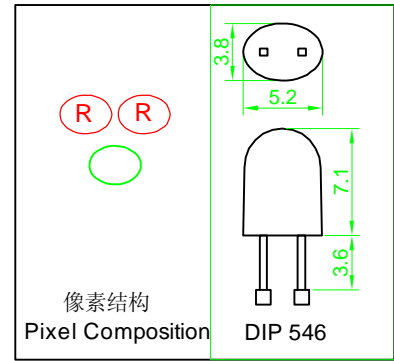
DI-P16R1

户外模组 (OUTDOOR MODULE)

单位 / Unit : mm



FRONT VIEW

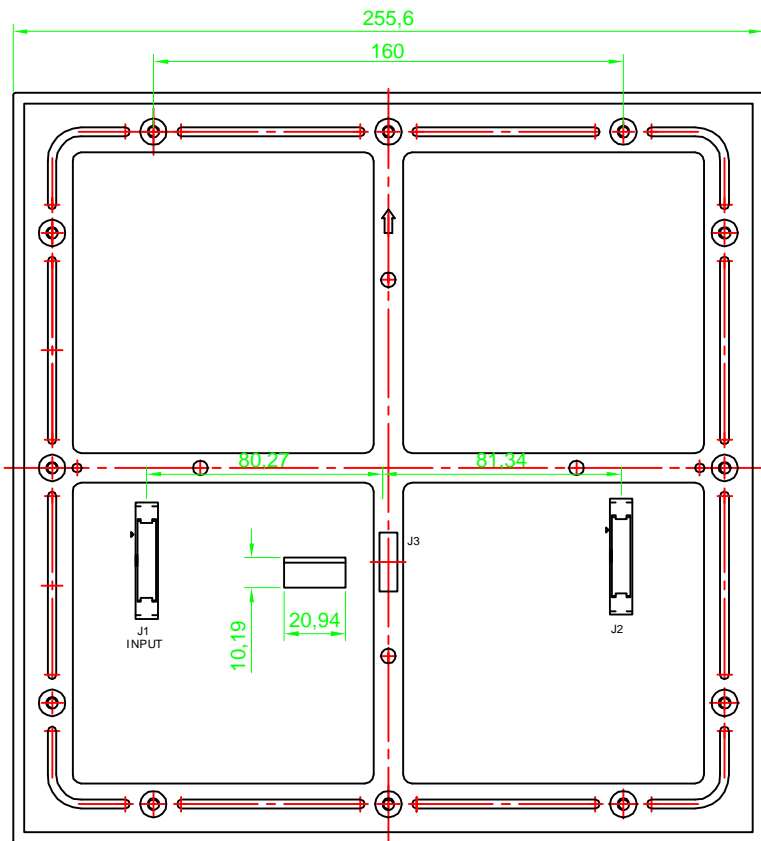


Pin Assignment (Data J1/J2 - F.C.16)

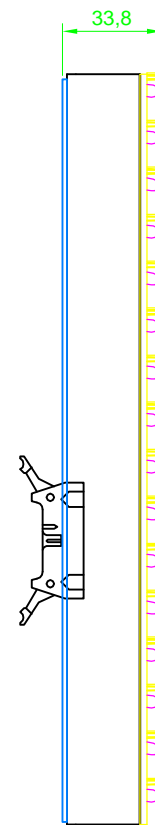
| Pin NO. | Function | Pin NO. | Function |
|---------|----------|---------|----------|
| 1 | R0 | 2 | G0 |
| 3 | GND | 4 | R1 |
| 5 | G1 | 6 | GND |
| 7 | R2 | 8 | G2 |
| 9 | GND | 10 | R3 |
| 11 | G3 | 12 | GND |
| 13 | CLK | 14 | LAT |
| 15 | OE | 16 | GND |

Pin Assignment (Power J3 - CH5)

| Pin NO. | Function | Pin NO. | Function |
|---------|----------|---------|----------|
| 1 | VDD | 2 | VDD |
| 3 | VCC | 4 | GND |
| 5 | GND | | |



BACK VIEW



SIDE VIEW



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DI-P16R1

户外模组 (OUTDOOR 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 16 mm |
| 显示分辨率 (Display resolution) | 16 x 16 Dots |
| 像素基色 (Pixel configuration) | 2 R |
| 物理密度 (Physical density) | 3906 (pixels / m ²) |
| 驱动方式 (Driving Method) | Static Duty |
| 外形尺寸 (Panel size) | 255.4x255.4mm |
| 灰度等级 (Gray scale) | 256 greys for each colour (65,536 grade) 每种颜色 256级;共65,536级 |
| 显示亮度 (Brightness) | 2000 ± 10% Nit |
| 模组视角 (Viewing angle) | H:110° / V:50° |
| 最佳视距 (Option distance) | > 12 M |
| LED封装 (LED Encapsulation) | DIP 546 |
| 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) | 22W |
| 使用寿命 (Life Time) | 100,000 Hours |
| 环境温度 (Environment Temperature) | -20°C ~ 60°C |
| 外壳材质 (Material of Module Outside Frame) | PC |

数据传输原理图

Drive Data Register Direction

