



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-P10Y
类型 (Type):	Outdoor LED Module
间距 (Pitch):	10.0 mm
驱动 (Driving):	1/4 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!

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4楼

Address:Floor 4,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](http://www.dicolor.cn)

邮编(Post code):518103



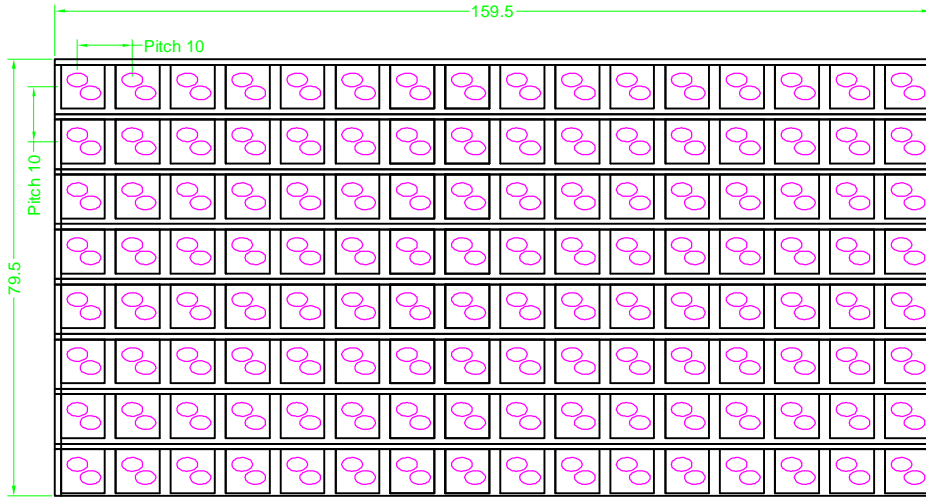
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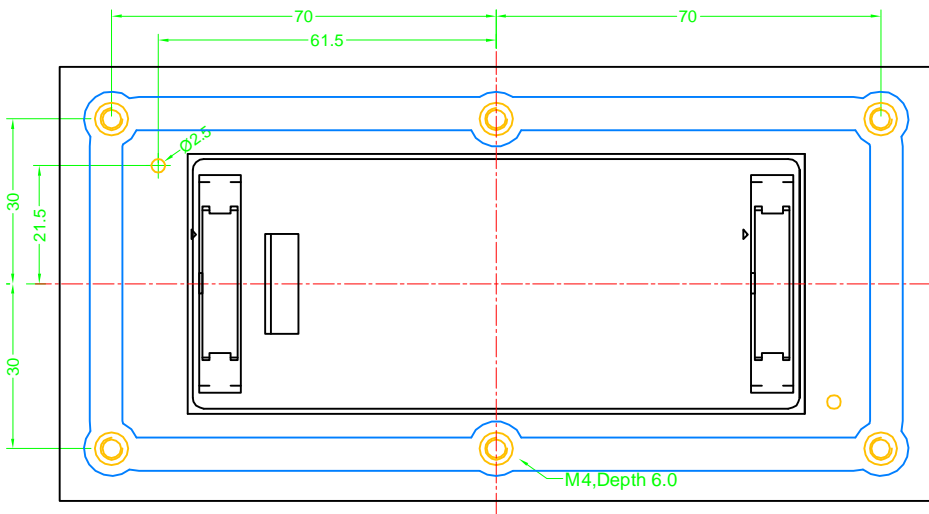
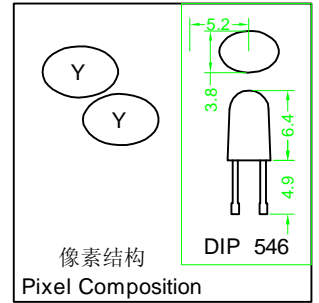
DI-P10Y

户外模组 (OUTDOOR MODULE)

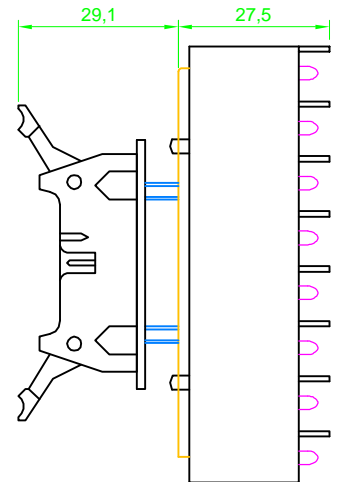
单位 / Unit : mm



FRONT VIEW



BACK VIEW



SIDE VIEW

Pin Assignment (Data JP1/JP2 - F.C.16)

Pin NO.	Function	Pin NO.	Function
1	Y0	2	GND
3	GND	4	GND
5	Y1	6	GND
7	GND	8	GND
9	CLK	10	GND
11	LAT	12	GND
13	OE	14	GND
15	GND	16	GND

Pin Assignment (Power JP3 - CH5)

Pin NO.	Function
1	VDD
2	VCC
3	GND
4	GND



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DI-P10Y

户外模组 (OUTDOOR MODULE)

主要技术指标

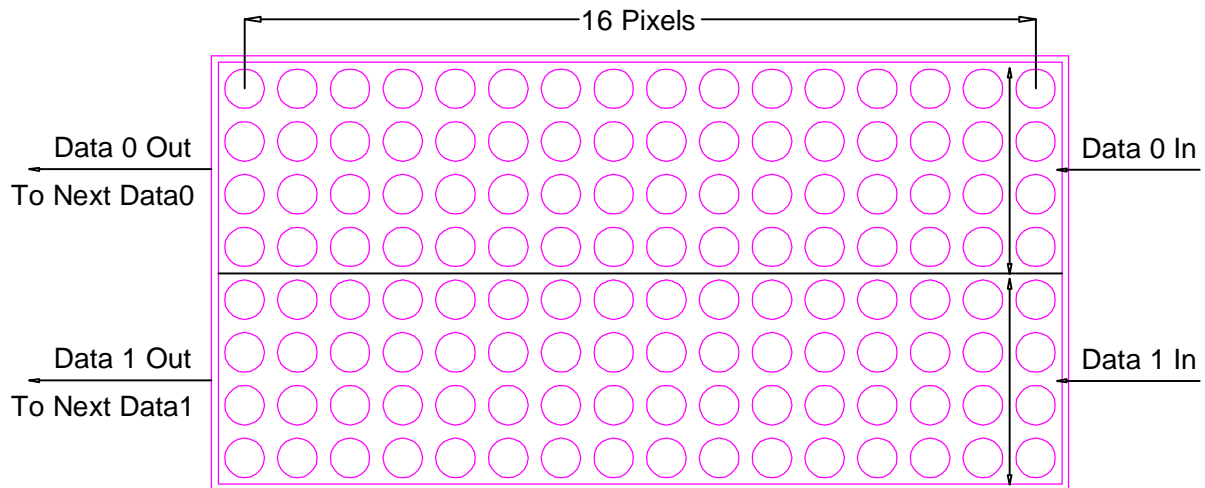
MAIN SPECIFICATIONS

(温度条件 Ta = 25°C)

项目 (ITEM)	参数 DESCRIPTION
像素间距 (Pixel Pitch)	Pitch 10 mm
显示分辨率 (Display resolution)	16 x 8 Dots
像素基色 (Pixel configuration)	1 Y
物理密度 (Physical density)	10000 (pixels / m ²)
驱动方式 (Driving Method)	1/4 Duty
外形尺寸 (Panel size)	159.5x79.5mm
灰度等级 (Gray scale)	256 greys for each colour (16,7 77,216 grade) 每种颜色 256级;
显示亮度 (Brightness)	2000 ± 10% Nit
模组视角 (Viewing angle)	H:70° / V:30°
最佳视距 (Option distance)	> 8 M
LED封装 (LED Encapsulation)	DIP 546
LED波长 (LED Wavelength)	
工作电压 (Working Voltage)	DC 5 V
使用功耗 (Working Consumption)	10W
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



FRONT VIEW (LAMP VIEW)