



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-P10F2
类型 (Type):	Indoor LED Module
间距 (Pitch):	10 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!

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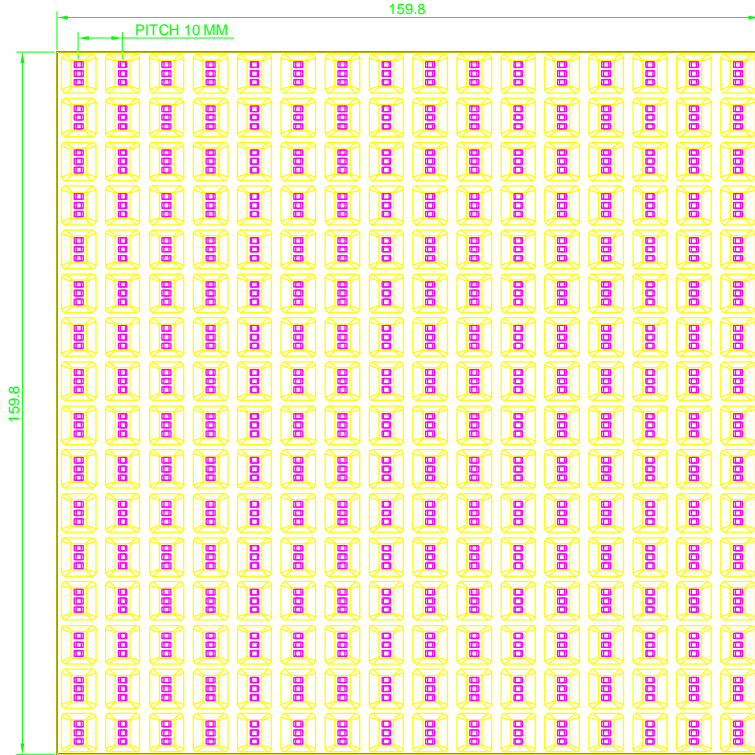
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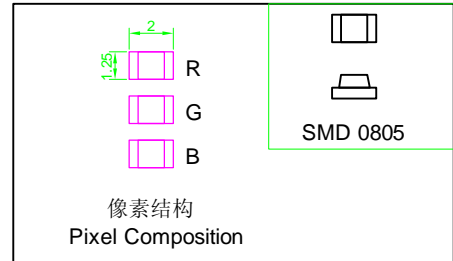
DI-P10F2

户内模组 (INDOOR MODULE)

单位 / Unit : mm



FRONT VIEW

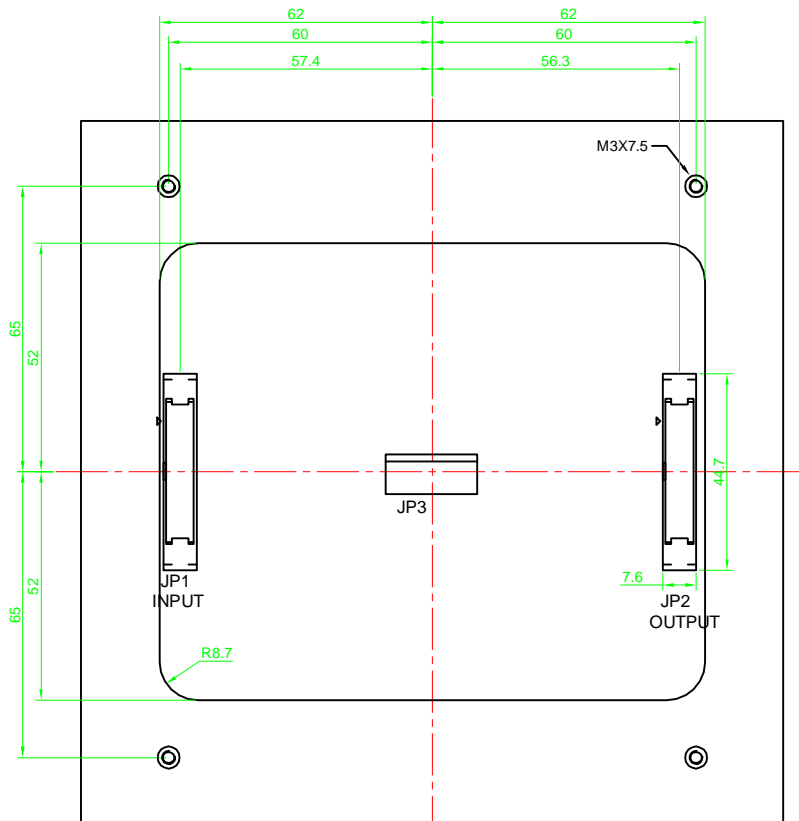


Pin Assignment (Data JP1/JP2 - F.C.20)

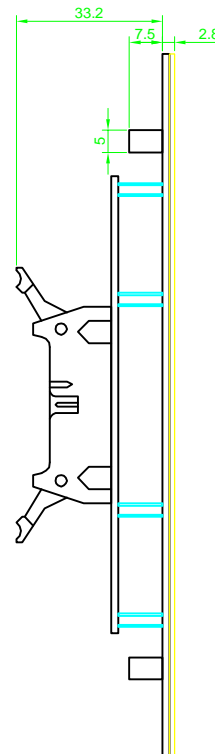
Pin NO.	Function	Pin NO.	Function
1	R0	2	R1
3	R2	4	R3
5	G0	6	G1
7	G2	8	G3
9	B0	10	B1
11	B2	12	B3
13	A	14	B
15	CLR	16	GND
17	LAT	18	GND
19	OE	20	GND

Pin Assignment (Power JP3 - CH5)

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



BACK VIEW



SIDE VIEW



DI-P10F2

户内模组 (INDOOR MODULE)

主要技术指标

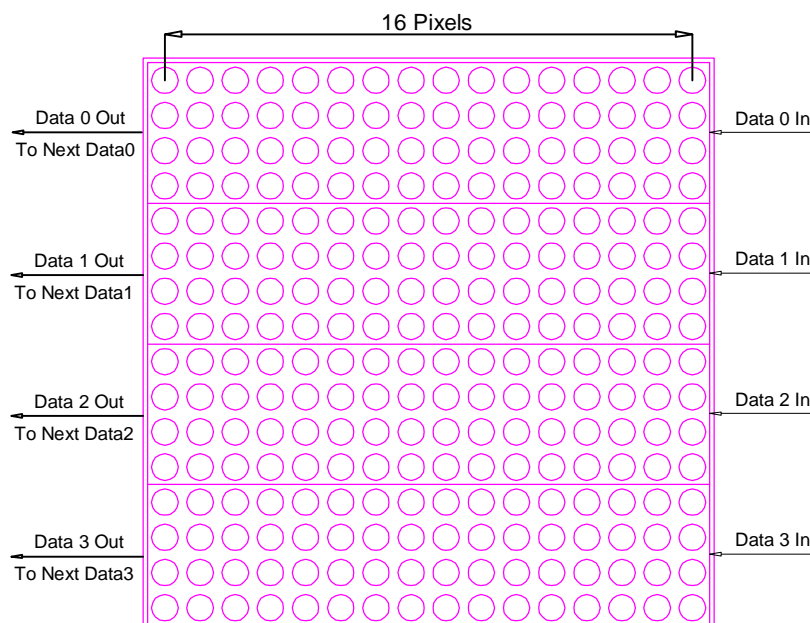
MAIN SPECIFICATIONS

(温度条件 Ta = 25°C)

项目 (ITEM)	参数 DESCRIPTION
像素间距 (Pixel Pitch)	Pitch 10 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)	10000 (pixels / m ²)
驱动方式 (Driving Method)	1/4 Duty
外形尺寸 (Panel size)	159.8x159.8mm
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)	> 8 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)	28 W
使用寿命 (Life Time)	100,000 Hours
环境温度 (Environment Temperature)	-20°C ~ 60°C

数据传输原理图

Drive Data Register Direction



FRONT VIEW (LAMP VIEW)