



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-P16F1D
类型 (Type):	Outdoor LED Module
间距 (Pitch):	16.0 mm
驱动 (Driving):	Static virtual 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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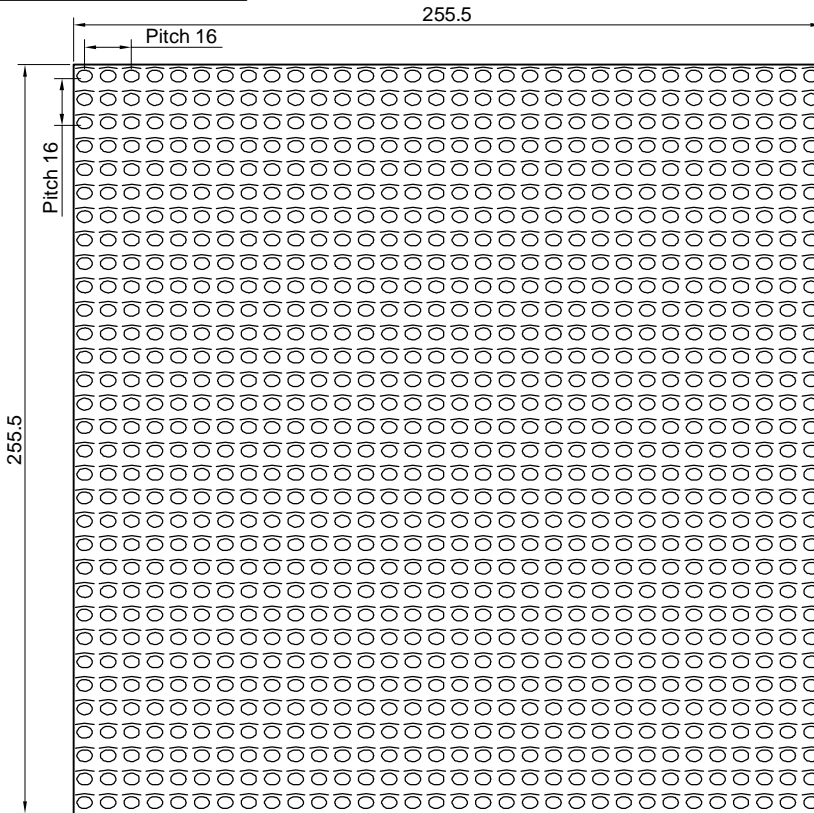
邮编(Post code):518103



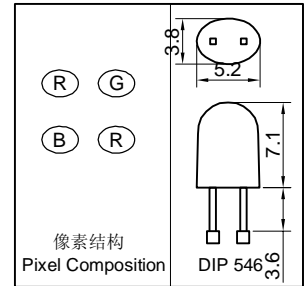
DI-P16F1D

户外模组 (OUTDOOR MODULE)

单位 / Unit : mm



FRONT VIEW



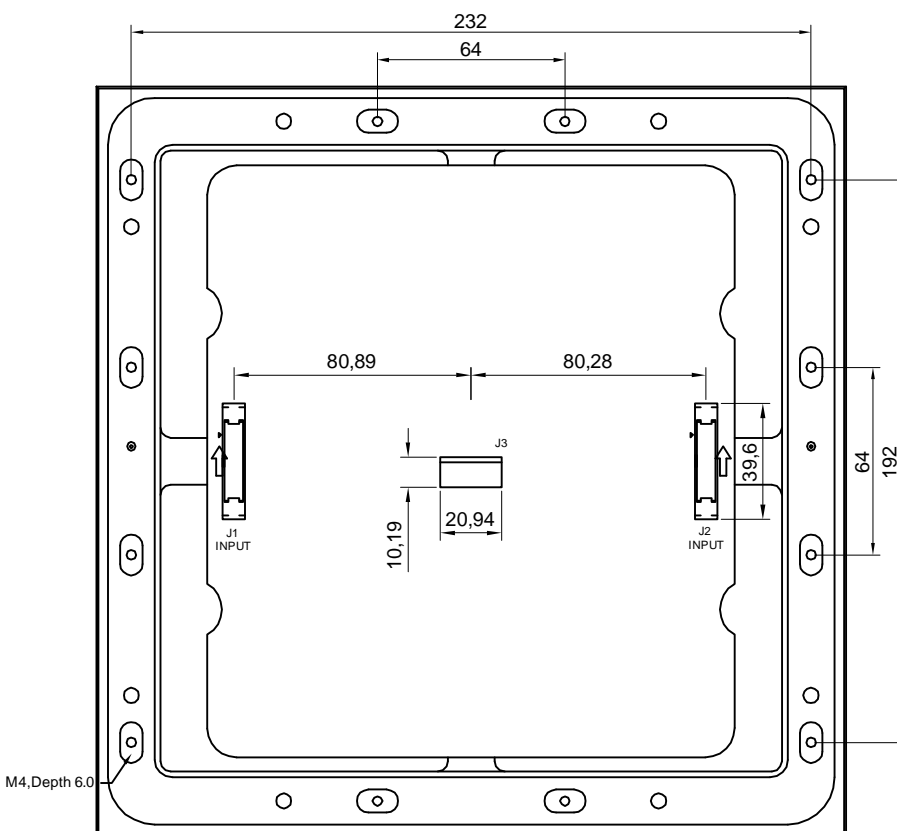
像素结构
Pixel Composition

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

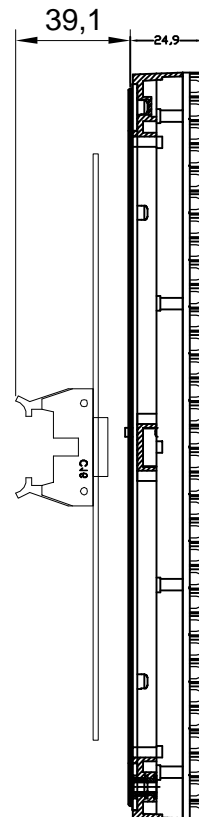
Pin NO.	Function	Pin NO.	Function
1	1R0	2	2R0
3	G0	4	B0
5	1R1	6	2R1
7	G1	8	B1
9	1R2	10	2R2
11	G2	12	B2
13	1R3	14	2R3
15	G3	16	B3
17	CLK	18	LAT
19	OE	20	GND

Pin Assignment (Power JP3 - CH5)

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



BACK VIEW



M4, Depth 6.0



DI-P16F1D

户外模组 (OUTDOOR MODULE)

主要技术指标

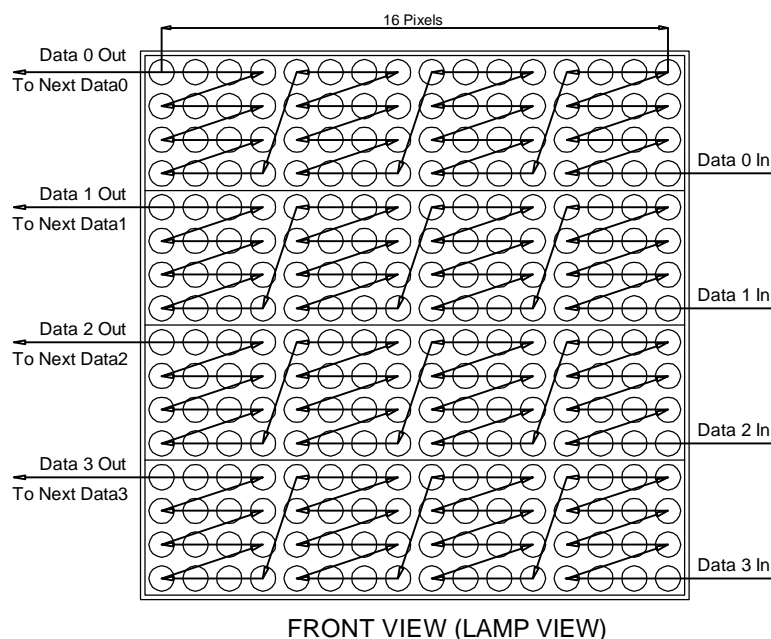
MAIN SPECIFICATIONS

(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, 1 G, 1 B
物理密度 (Physical density)	3906 (pixels / m ²)
驱动方式 (Driving Method)	Static virtual Duty
外形尺寸 (Panel size)	255.4x255.4mm
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)	5500 ± 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)	65W
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





深圳市德彩光电有限公司

SHENZHEN DICOLOR OPTOELECTRONICS CO., LTD

