



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-P16F1
类型 ( Type ):	Outdoor LED Module
间距 ( Pitch ):	16.0 mm
驱动 ( Driving ):	Static 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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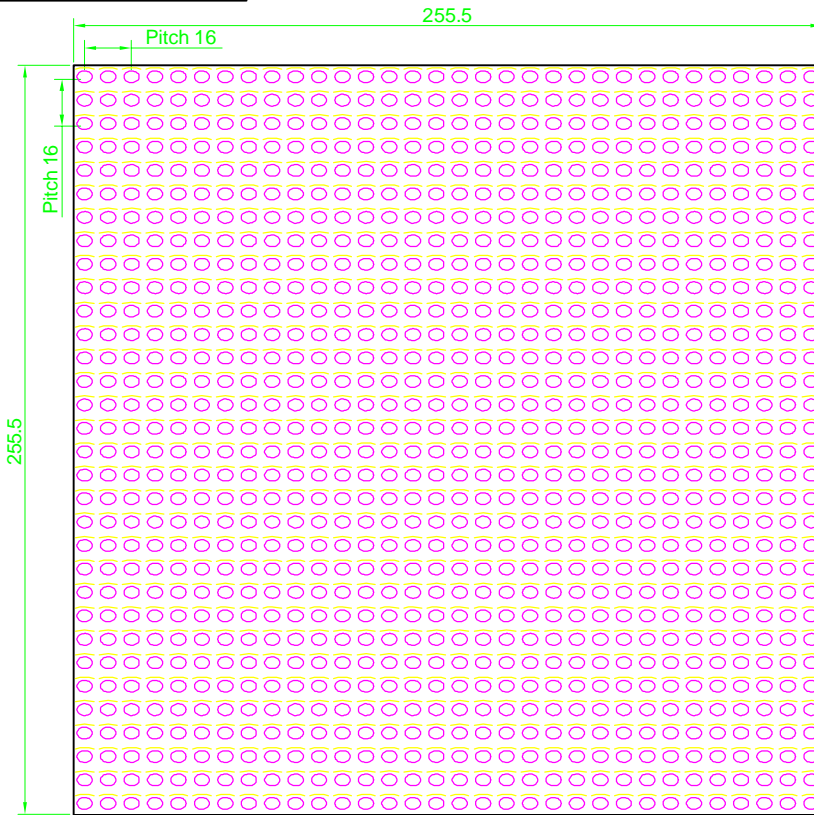
邮编(Post code): 518103



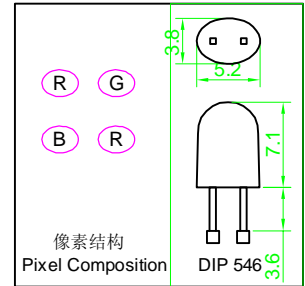
DI-P16F1

户外模组 ( OUTDOOR MODULE )

单位 / Unit : mm



FRONT VIEW

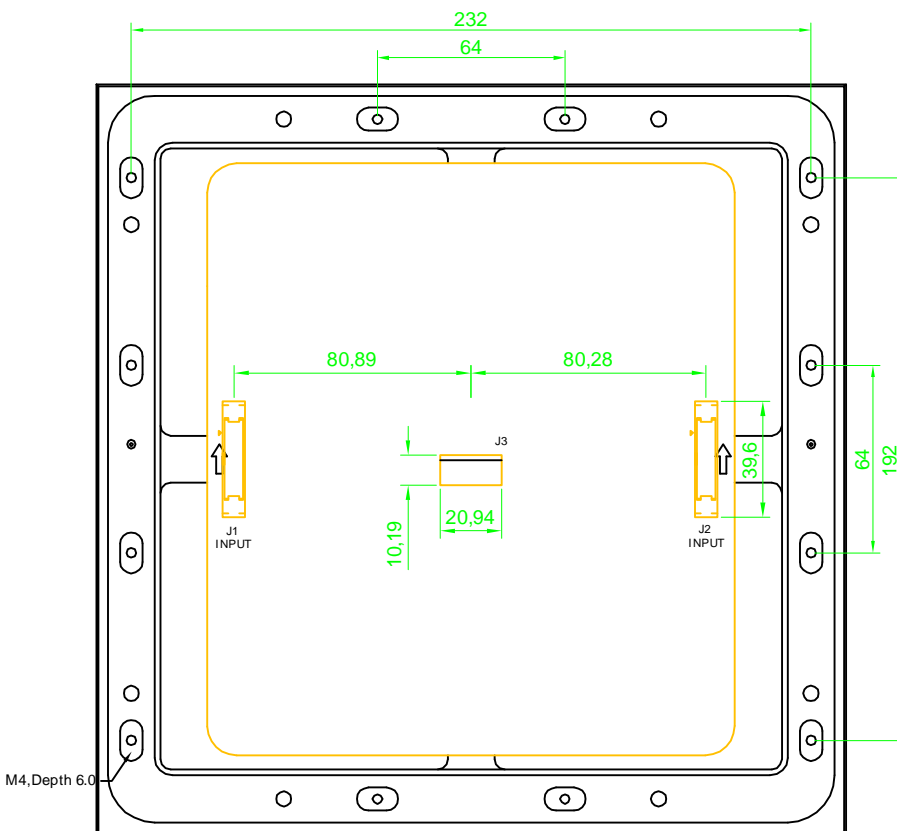


Pin Assignment (Data JP1/JP2 - F.C.16)

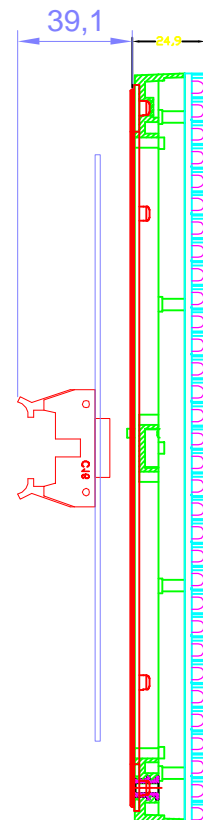
Pin NO.	Function	Pin NO.	Function
1	R0	2	G0
3	B0	4	R1
5	G1	6	B1
7	GND	8	CLK
9	GND	10	LAT
11	GND	12	OE
13	R2	14	G2
15	B2	16	R3
17	G3	18	B3
19	CLK	20	GND
19	LAT	20	GND
23	OE	24	GND
25	GND	26	GND

Pin Assignment (Power JP3 - CH5)

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



BACK VIEW





DI-P16F1

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)	2R, 1 G, 1 B		
物理密度 (Physical density)	3906 ( pixels / m ) <sup>2</sup>		
驱动方式 (Driving Method)	Static Duty		
外形尺寸 (Panel size)	255.5x255.5mm		
灰度等级 (Gray scale)	16384		
显示亮度 (Brightness)	5000 ± 10% Nit		
模组视角 (Viewing angle)	H:110° / V:60°		
最佳视距 (Option distance)	> 12 M		
LED封装 (LED Encapsulation)	DIP 546		
LED波长 (LED Wavelength)	R:620~630nm	G:520~530nm	B:465~475nm
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

