

DESCRIPTION

❖ CHARACTERS

1.86, indoor full color screen, is a high-performance module specially developed by our company for indoor, PCB adopts international FR-4-four-layer board, four-layer circuit board design, plate thickness 1.2mm, surface treatment process for OSP, PCB molding for CNC process, 66 driver IC, 22 pipe IC, 75 interface, SMD patch LED 1.6*1.6*1.02mm, colloid color is: frosted mist, luminous color: full color, half power Angle: 120 degrees.

❖ APPLICATION AREA

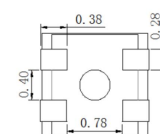
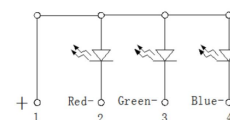
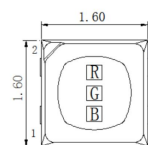
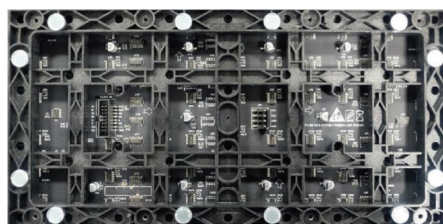
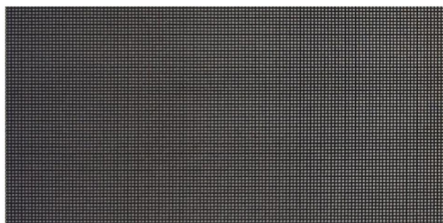
- ❖ Video advertising display
- ❖ Mall, large advertising display
- ❖ High-grade LED advertising, display card
- ❖ High-end supermarket display shelves, traffic light layout

SUMMARY

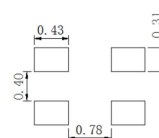
❖ Operating voltage	5V DC
❖ Maximum current	5.52A
❖ Maximum power	27.6W
❖ Gray level	14bit
❖ Frame change frequency	50&60Hz
❖ Refresh frequency	3840Hz

CERTIFICATION

Certification types will increase, please contact our business.



For reflow soldering



ITEM		MODEL
		EL-IN-ET-P1.86
Physical parameter	LED package	SMD1515-1R1G1B
	Pixel pitch mm	1.86
	Module resolution W*H	172*86
	module dimensions mm (W *H)	320*160
	unit area m ²	0.0512
	pixel density Point/m ²	289050
	Horizontal view/vertical view °	≤160/140
	Flatness	≥97%
	Bottom shell screw aperture	M4
	Input signal interface definition	HUB75
	Power socket specification	4P/90°
	Module weight KG/PCS	0.47
	Class of protection	IP3X
Optical parameter	White Balance Brightness nits	≥800
	Gray level bit	≥13
	Temperature K	3000 to 15000K Tunable
	Contrast	≤5000:1
	Deviation of center distance of luminous points	<3%
	uniformity of brightness	≥97%
	Brightness control	Manual/automatic/program control
Electrical parameter	Operating voltage (DC) V	5V
	Maximum current A	5.52
	Peak power W/PCS	27.6
	Average power W/PCS	9.2
Performance parameter	Refresh frequency HZ	≥3840Hz
	Frame change frequency HZ	50&60
	Driving mode	Constant current drive
	Scanning mode	1/43
	Color correction	It is equipped with point by point correction of brightness and chroma
	Whole screen out of control point	≤0.003%, Set to 0 at factory
	Regional runaway point	≤0.009%

	Screen temperature rise (using running state)	≤5°
Adaptation scenario	Operating ambient temperature	-10℃～60℃
	Operating environment humidity	35%～75%RH, Non-condensing
	Usage scenario	Indoor
Adaptive chassis	Product chassis dimensions (W x H)	640*480mm
	Chassis resolution (W x H)	344*258
	Input signal interface	RJ45
	Power signal interface	3* U-shaped terminals
	Class of protection	IP5X
White balance debugging parameters	R Brightness CD/M²	180
	R current A	3.58
	R-resistance KΩ	1.1
	G Brightness CD/M²	540
	G Electric current A	2.08
	G Resistance value KΩ	2.4
	B Luminance CD/M²	115
	B Electric current A	1.37
	B Resistance value KΩ	5.1
	W Luminance CD/M²	801
	W Electric current A	5.52

描述

特征

P1.86，室内全彩屏，是我司专门为户外研发的一款高性能模组，PCB 采用国际FR-4 4层板，4层电路板设计，板材厚度1.2mm，表面处理工艺为 OSP，PCB成型为CNC工艺，驱动IC为66颗，行管IC为22颗，75接口，LED灯采用1515室内灯珠，SMD贴片发光二极管1.6*1.6*1.02mm，胶体颜色为：磨砂雾状，发光颜色：全彩，半功率角度：120度

概要

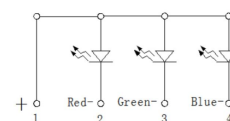
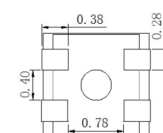
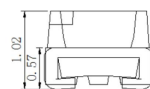
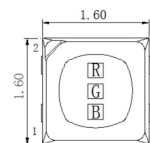
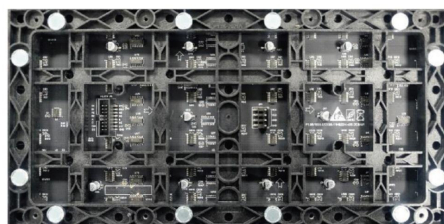
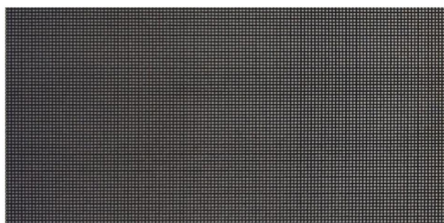
❖ 工作电压	5V直流
❖ 最大电流	5.52A
❖ 最大功率	27.6W
❖ 灰度等级	14bit
❖ 换帧频率	50&60Hz
❖ 刷新频率	3840Hz

应用领域

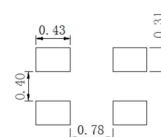
- ❖ 视频广告展示
- ❖ 商场中、中大型广告展示
- ❖ 高档LED广告、展示牌

认证

认证种类将会增加，请联系本公司业务。



For reflow soldering



说明		型号
		EL-IN-ET-P1.86
物理参数	LED 封装	SMD1515-1R1G1B
	像素间距 mm	1.86
	模组分辨率 W*H	172*86
	模组尺寸 mm (W *H)	320*160
	单元面积 m ²	0.0512
	像素密度 点/m ²	289050
	水平视角/垂直视角 °	≤160/140
	平整度	≥97%
	底壳螺丝孔径	M4
	输入信号接口定义	HUB75
	电源座规格	4P/90°
	模组重量 KG/PCS	0.47
	防护等级	IP3X
光学参数	白平衡亮度 nits	≥800
	灰度 bit	≥13
	色温 K	3000—15000 可调
	对比度	≤5000:1
	发光点中心距偏差	<3%
	亮度均匀性	≥97%
	亮度调节	手动/自动/程控
电性参数	工作电压 (DC) V	5V
	最大电流 A	5.52
	峰值功率 W/PCS	27.6
	平均功率 W/PCS	9.2
	刷新频率 HZ	≥3840Hz
性能参数	换帧频率 HZ	50&60
	驱动方式	恒流驱动
	扫描方式	1/43
	色彩校正	配备亮度与色度逐点校正

	整屏失控点	≤0.003%，出厂时为 0
	区域失控点	≤0.009%
	屏幕温升（使用运行状态）	≤5度
适配场景	运行环境温度	-10℃～60℃
	运行环境湿度	35%～75%RH，无凝结
	使用场景	室内
适配机箱	产品机箱尺寸(宽×高)	640*480mm
	机箱分辨率(宽×高)	344*258
	输入信号接口	RJ45
	电源信号接口	3*U 形端子
	防护等级	IP5X
白平衡调试参数	R 亮度 CD/M ²	180
	R 电流 A	3.58
	R 阻值 K Ω	1.1
	G 亮度 CD/M ²	540
	G 电流 A	2.08
	G 阻值 K Ω	2.4
	B 亮度 CD/M ²	115
	B 电流 A	1.37
	B 阻值 K Ω	5.1
	W 亮度 CD/M ²	801
	W 电流 A	5.52