



深圳国治星光科技股份有限公司
GYX OPTOELECTRONICS CO.,LTD.

承认书

SPECIFICATION FOR APPROVAL

客户名称Customer: _____

产品型号Model: GYXM-1588AURPG14

承认书编号No: DD-CR-1508-002

制作日期 Date: 2015-08-18

附产品规格书Enclosure is the specification

深圳国治星光科技股份有限公司 GYX OPTOELECTRONICS CO.,LTD.			
生产部 Production Dept.	品质部 Quality Dept.	工程部 Engineering Dept.	市场部 Marketing Dept.

客户确认签名 APPROVED SIGNATURES			

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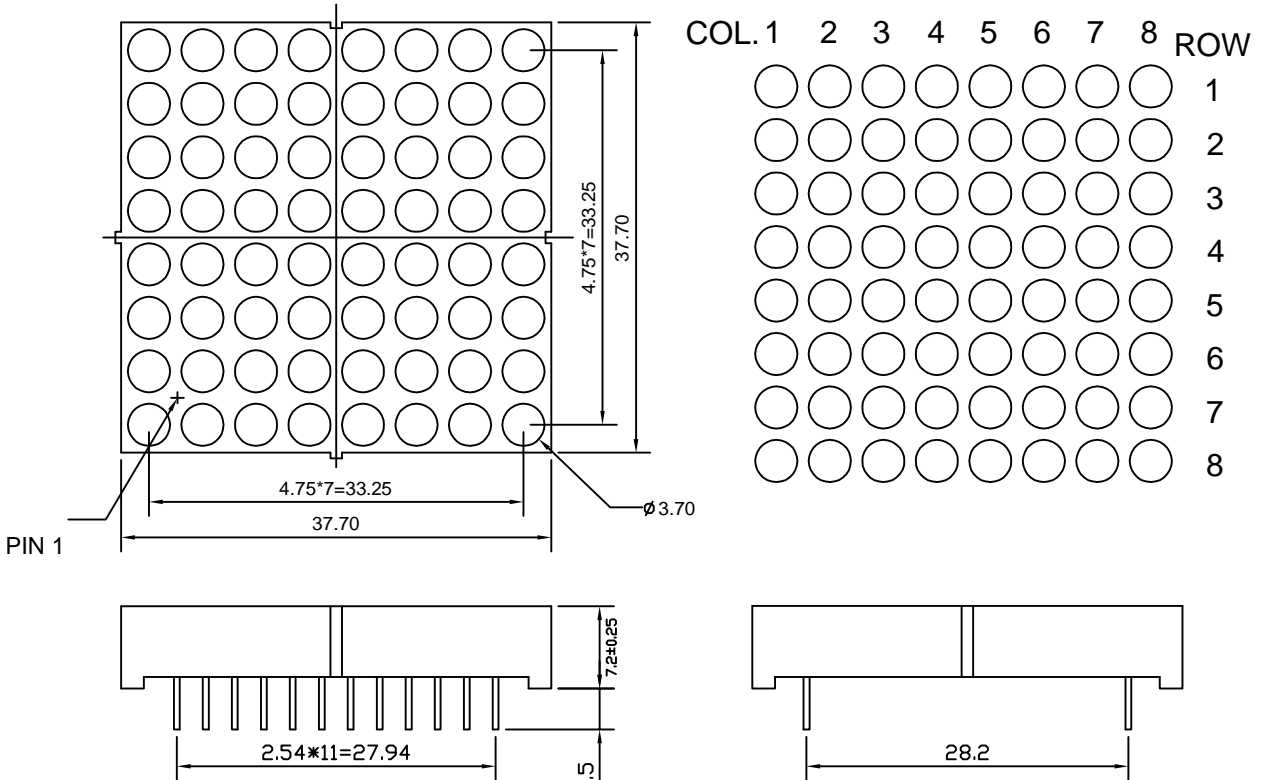


GYXM-1588AURPG14

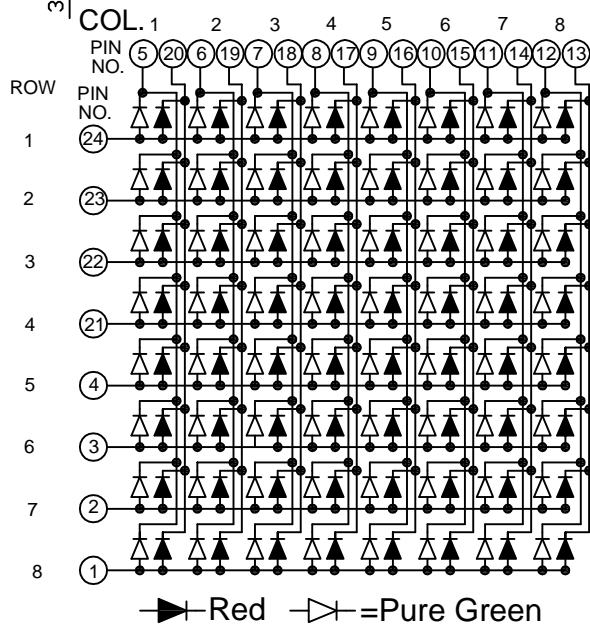
1.Features:

- High intensity and reliability
- High quality,Low power requirement
- IC compatible,Easy assembly
- ESD HBM2000V
- ROHS Compliant

2.Package Dimensions



3.Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.25\text{mm}$ (0.01") unless otherwise noted



GYXM-1588AURPG10

4. General Information

Part NO.	Chip Material	Emitting Color	Lens Type	Description
GYXM-1588AURPG10	AllnGap	Red	Water clear	Common Anode
	InGaN	Pure Green		

5. Electrical / Optical Characteristics at Ta=25°C

Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Conditions
Luminous Intensity	Iv	Red	—	120	130	mcd	IF=20mA
		Pure Green	—	500	520		
Peak Wavelength	λp	Red	—	—	—	nm	IF=20mA
		Pure Green	—	—	—		
Dominant Wavelength	λD	Red	—	622	625	nm	IF=20mA
		Pure Green	—	522	524		
Spectral Line Half-Width	Δλ	Red	—	—	45	nm	IF=20mA
		Pure Green	—	—	45		
Forward Voltage	VF	Red	1.8	2.0	2.5	V	IF=20mA
		Pure Green	2.8	3.2	3.5		
Reverse Current	IR		—	—	30	uA	VR=5V

6. Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	Pd	75(R)	mW
		80(G)	
Forward Current	IF	20	mA
Peak Forward Current (1)	IF(Peak)	80	mA
Reverse Voltage	VR	5	V
Operating Temperature Range	Topr	-35°C +85°C	
Storage Temperature Range	Tstg	-35°C +85°C	
Lead Solder Temperature (2)	Tsol	260°C for 3 seconds	

Notes:

- 1/10 duty cycle, 0.1ms pulse width.
- 2mm below package base.