



NO. : QB/SPS 73 PS 7026A

SPECIFICATIONS

NAME: Φ 10.0 LAMP DOT MATRIX

TYPE: LDML4088SRGA

**SHENZHEN DITELONG INDUSTRIAL CO.,LTD.
SHENZHEN CANDELA ELECTRONIC CO.,LTD.
SHENZHEN SUCCESS PHOTOELECTRONICS CO.,LTD**

SHENZHEN OFFICE

Add: Room 1911,Zhongwin Science & Techn.Bldg,Bagua 3th Rd.Bagualing Industry Zone Shenzhen,China

Tel: 86-755-25884151

Fax: 86-755-25884659

Post Code: 518029

E-mail: ditelong@asiansources.com

[Http://www.asia_globalsources.com/ditelong.co](http://www.asia_globalsources.com/ditelong.co)

[Http://www.ditelong.com](http://www.ditelong.com)

SHENZHEN FACTORY

Add:4/F Ranbao Bldg,NO. 189 Industrial Zone,Henggang,ShenZhen,china

Tel:86-755-28630148 28630040

Fax:86-755-28631216

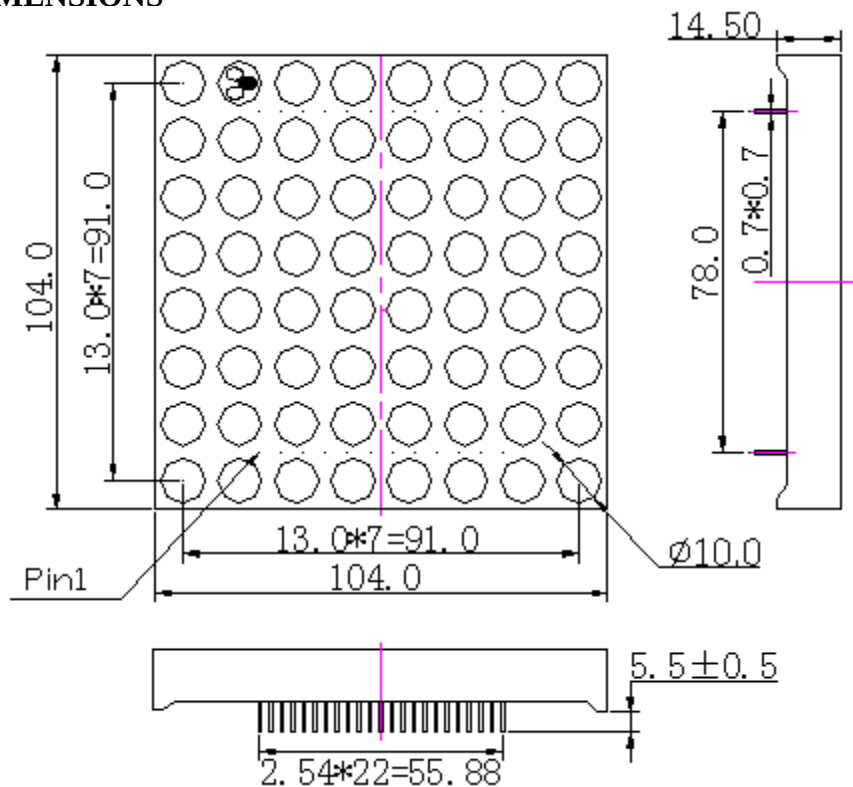
Post Code:518115

LDML—4088SRGA**1. FEATURES**

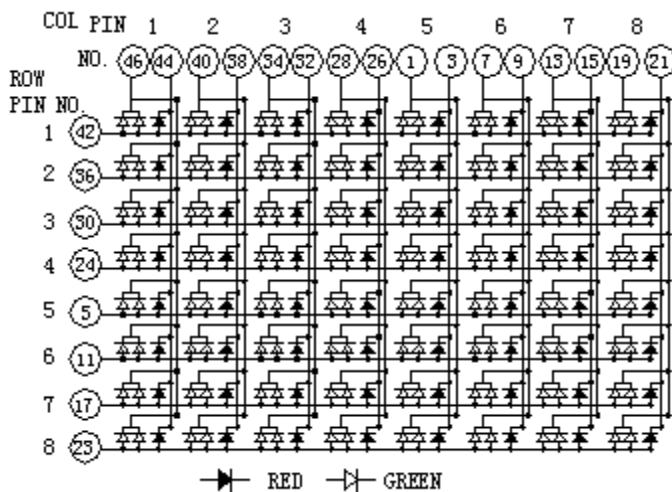
- High quality and low cost
- High reliable and intensity
- Low power requirement
- I.C compatible

2. DESCRIPTION

- 8×8 dot matrix displays.
- $\Phi 10.0$ mm dot and pitch 13.0 mm
- Black face

3. PACKAGE DIMENSIONS**NOTES:**

1. All dimensions are in millimeters.
2. Tolerance are ± 0.25 mm unless otherwise noted.

4. CIRCUIT DIAGRAM

2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, no connect

PIN ASSIGNMENT (Pitch 2.54)
See to the front of LEDs

UP

46/45/44/43/42/41/40/39/38/37/36/35/34/33/32/31/30/29/28/27/26/25/24

DOWN

1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23

5. ABSOLUTE MAXIMUM RATINGS Ta=25°C

ITEMS	SYMBOL	BLUE	RED	GREEN	UNIT
Power Dissipation Per Dot	PD		80	80X2	mw
Forward Current Per Dot*	IF		30	30X2	mA
Peak Forward Current Per Dot**	IFP		80	80X2	mA
Reverse Voltage Per Dot	VR	5			V
Operation Temperature Range	Topr	-30~+80			°C
Storage Temperature Range	Tstg	-35~+85			°C
Soldering Temperature	Tsol	≤260°C/3 sec			

NOTES:

* We advise average forward Current is 15mA

** pulse width=10mes, duty=1/8

6. ELECTRICAL/OPTICAL CHARACTERISTICS Ta=25°C

PARAMETER	SYMBOL	TEST CONDITIONS	PART NO	RATING			UNIT
				MIN	TYP	MAX	
Forward voltag per dot	VF	IF=20mA	Blue				V
			Red		2.0	2.2	
		IF=40mA	Green		2.2	2.4	
Reverse current per dot	IR	VR=5V	Blue			50	μ A
			Red				
		VR=5V	Green			100	
Luminous intensity per dot	IV	IFP=40mA 1/8 duty	Blue				mcd
			Red		160		
			Green		100X2		
Peak emission wavelength per dot	λ P	IF=20mA	Blue				nm
			Red		640		
			Green		572		
Spectral line wavelength per dot	△ λ	IF=20mA	Blue				nm
			Red		35		
			Green		30		
Viewing Angle	2 θ 1/2*		Whole	70/35			Degree

7. CAUTIONS:

- When being used, do not be over the corresponding limited scale and note in our specification.
- For some products with the static electricity mark, please operate refer to the rules of static electricity fence.
- When designing, please consider the factor of heat, and taking keep away measure to avoid high temperature.
- Do not clean the product with organic impregnant as some of them may damage the product.