



NO. : QB/SPS 73 PS 2025A

SPECIFICATIONS

NAME: $\Phi 5$ DOT MATRIX

TYPE: LDM2388BRGA

**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

LDM—2388BRGA

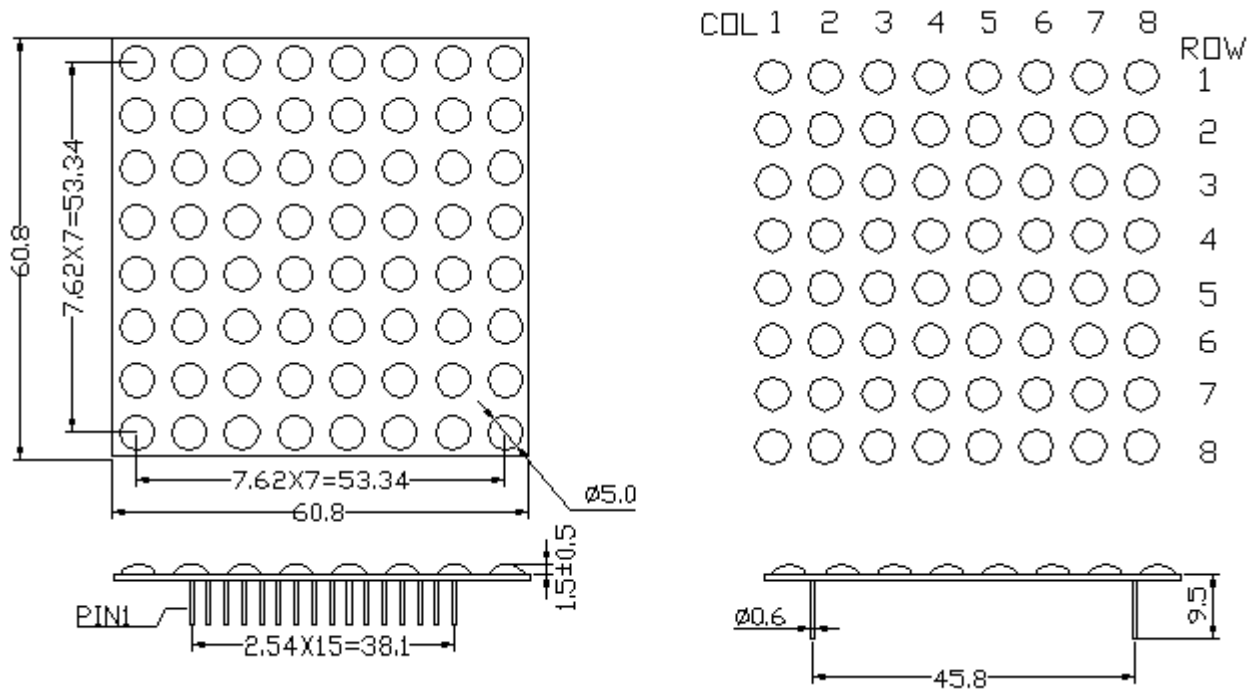
1 . FEATURES

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

2 . DESCRIPTION

- 8×8 dot matrix displays.
- Φ5 mm dot and pitch 7.62 mm
- Black face
-

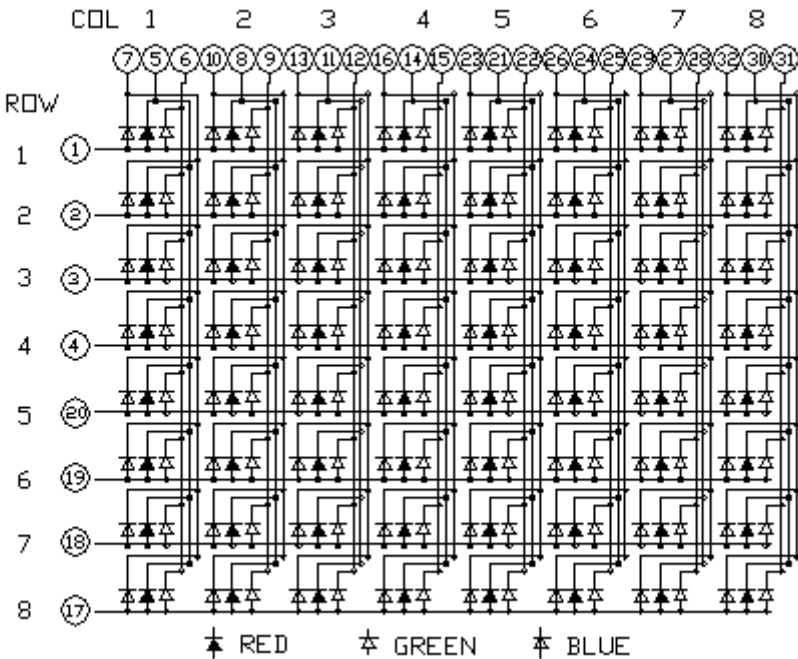
3 . PACKAGE DIMENSIONS



NOTES:

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

4 . CIRCUIT DIAGRAM



5 . ABSOLUTE MAXIMUM RATINGS Ta=25

ITEMS	SYMBOL	BLUE	RED	GREEN	UNIT
Power Dissipation Per Dot	PD	100	60	60	mw
Forward Current Per Dot*	IF	20	20	20	mA
Peak Forward Current Per Dot**	IFP	30	30	30	mA
Reverse Voltage Per Dot	VR	5			V
Operation Temperature Range	Topr	-30 ~ +80			
Storage Temperature Range	Tstg	-35 ~ +85			
Soldering Temperature	Tsol	260 /3 sec			

NOTES:

* We advise average forward Current is 15mA

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

6 . ELECTRICAL/OPTICAL CHARACTERISTICS Ta=25

PARAMETER	SYMBOL	TEST CONDITIONS	PART NO	RATING			UNIT
				MIN	TYP	MAX	
Forward voltag per dot	VF	IF=20mA	Blue		3.7	4.5	V
			Red		1.85	2.0	
			Green		2.2	2.4	
Reverse current per dot	IR	VR=5V	Blue			50	μ A
			Red				
			Green				
Luminous intensity per dot	IV	IFP=40mA 1/8 duty	Blue		124		Cd/m2
			Red		120		
			Green		165		
Peak emission wavelength per dot	λ P	IF=20mA	Blue		430		nm
			Red		640		
			Green		572		
Spectral line wavelength per dot	λ	IF=20mA	Blue		65		nm
			Red		20		
			Green		35		

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.