



NO. : QB/SPS 73 PS 2062A

SPECIFICATIONS

NAME: $\Phi 5$ DOT MATRIX

TYPE: LDM2388SRA

**SHENZHEN DITELONG INDUSTRIAL CO.,LTD.
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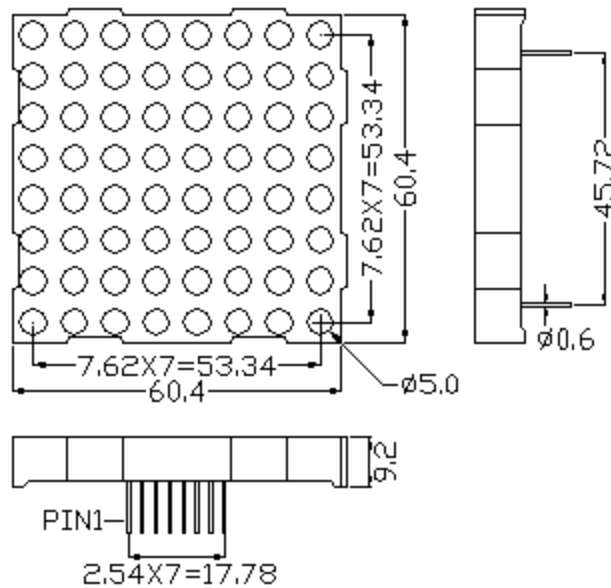
Post Code:518115

LDM—2388SRA**1 . FEATURES**

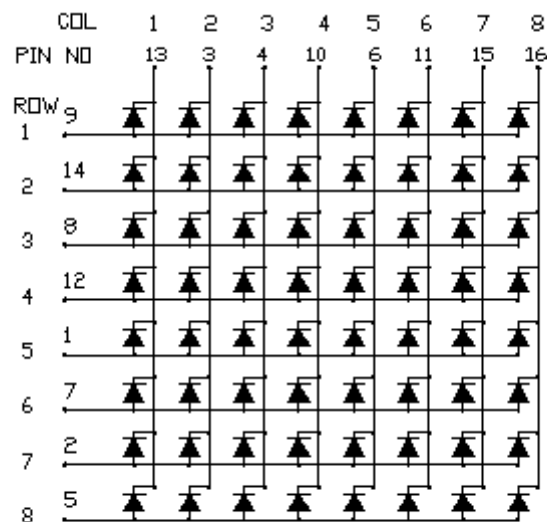
- High quality and low cost
- High reliable and intensity
- Low power requirement
- I.C compatible

2 . DESCRIPTION

- 8×8 dot matrix displays.
- $\Phi 5$ mm dot and pitch 7.62 mm
- Black face
- White diffusion dots.

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		60		mw
Forward Current Per Dot*	IF		20		mA
Peak Forward Current Per Dot**	IFP		80		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				V
			Red		1.85	2.0	
			Green				
Reverse current per dot	IR	VR=5V	Blue			50	μ A
			Red				
		VR=5V	Green				
Luminous intensity per dot	IV	IFP=40mA 1/8 duty	Blue				mcd
			Red		9		
			Green				
Peak emission wavelength per dot	λ P	IF=20mA	Blue				nm
			Red		640		
			Green				
Spectral line wavelength per dot	λ	IF=20mA	Blue				nm
			Red		35		
			Green				

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.