LMl23088A/B Series – 2.30 inch 8x8 Lamp Dot Matrix LED Display

ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

RoHS

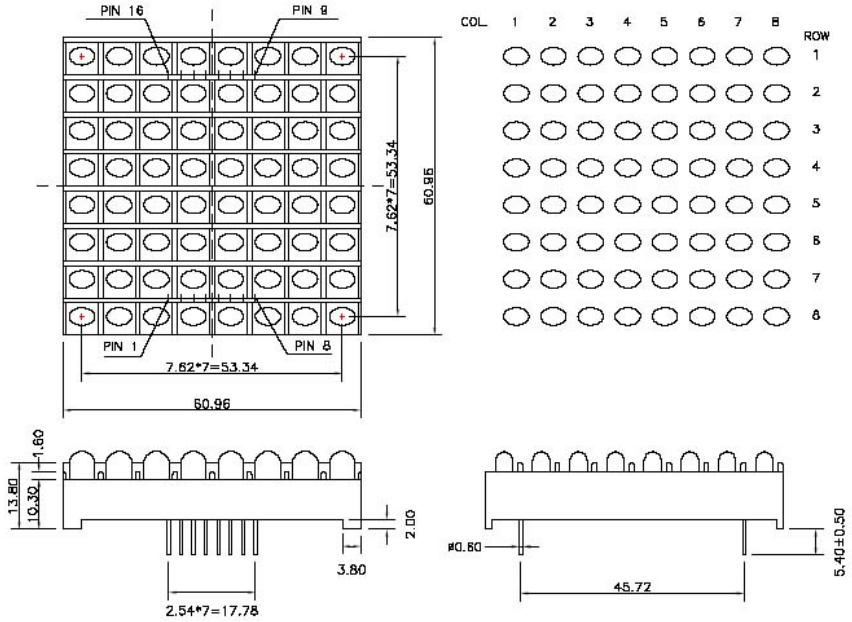
Features

- 60.20 mm (2.30 inch) matrix height
- Dot size: Diameter 5.00 mm
- Pitch: 7.62 mm
- Wide viewing angle
- Range of emitted colors
- I.C. compatible
- Low power consumption
- White dot, grey or black face
- RoHS compliant

Available options

- Alternative emitting luminosity:
  Standard or high brightness version
- Alternative emitted color
- Alternative dot color
- Alternative face color
- Both CA or CC versions are available
- Cropped terminal pins

Package Dimensions

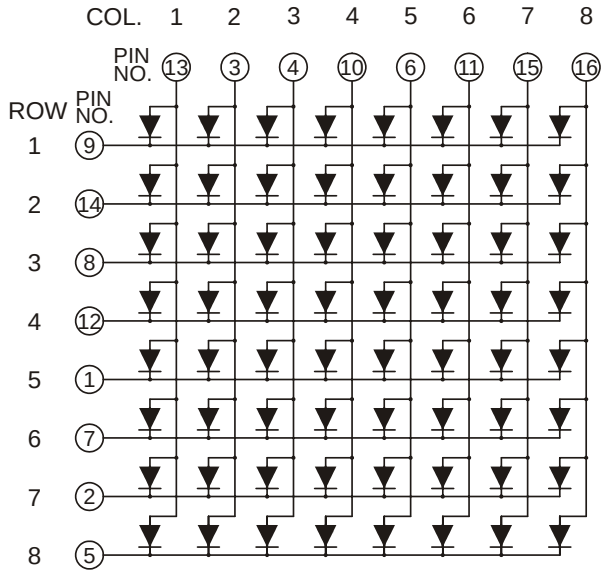


Notes:

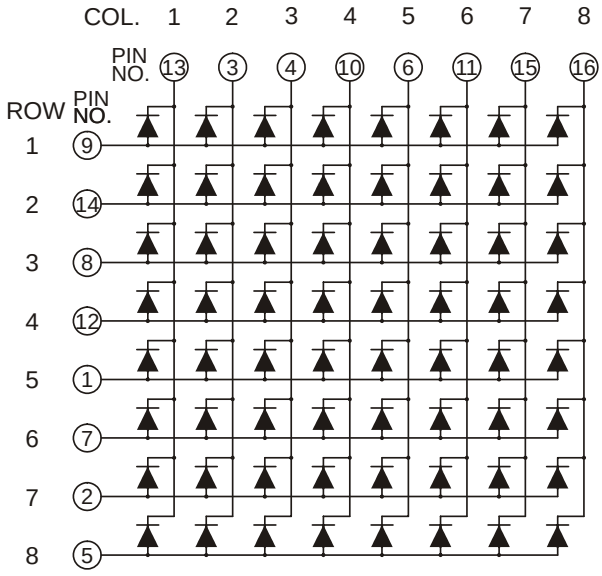
1. All dimensions are in millimeters (inches), Tolerance is ± 0.25mm (0.01inch) unless other wise noted.
2. Specifications are subject to change without notice.
3. The gap between the reflector and PCB shall not exceed 0.25mm.

Internal Circuit Diagram

LM23088A (Common Cathode Row)



LM23088B (Common Anode Row)



Selection Guide （Ta = 25 °C）

Part Number	Emitted Color	Len Color	WLD	Forward Voltage V_F/Dot		Luminous Intensity Iv/Dot		Viewing Angle
				Typ	Max	Min	Typ.	2 θ 1/2
LML23088BUR	Orange-red	Water Clear	625	2	2.5	900.00	1300.00	100
LML23088BUY	Yellow	Yellow Diffused	590	2	2.5	1000.00	1500.00	120
Units			nm	V		mcd		°C

Electrical Characteristics & Absolute Maximum Ratings (Ta = 25 °C)

Characteristics	Test Condition	Symbol	UE	UY	Units
Pulse Forward Current	1/10 duty cycle 0.1ms Pulse width	I_{FP}	100	100	mA
DC Forward Current		I_F	30	30	Ma
Reverse Current	Vr=5V	I_R	10	10	μA
Power Dissipation		P_D	65*64	65*64	Mw
Operating Temperature		T_{OPR}	-40to+80		℃
Storage Temperature		T_{TSG}	-40to+85		℃
Lead soldering temp			260		℃