

LMI23088A/B Series – 2.30 inch 8x8 Lamp Dot Matrix LED Display



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES



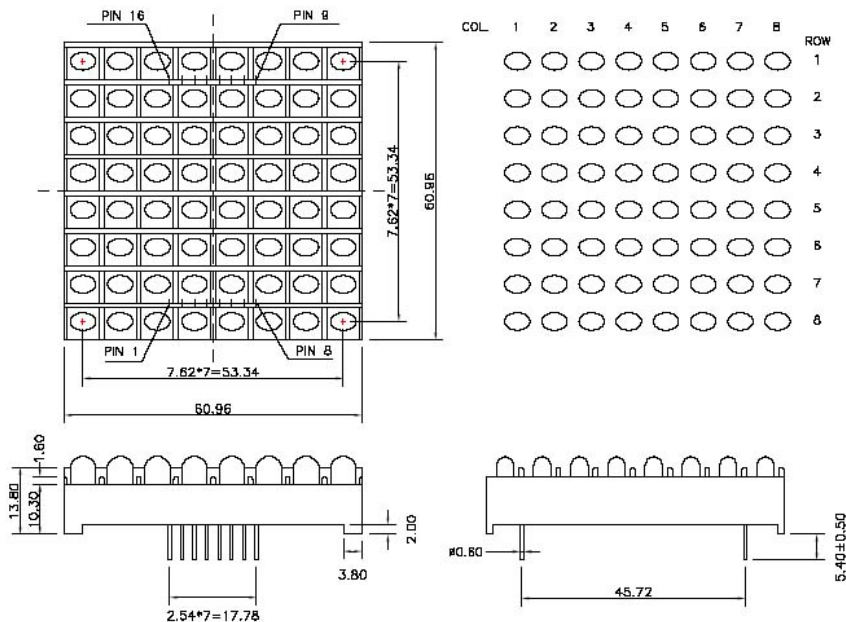
Features

- 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

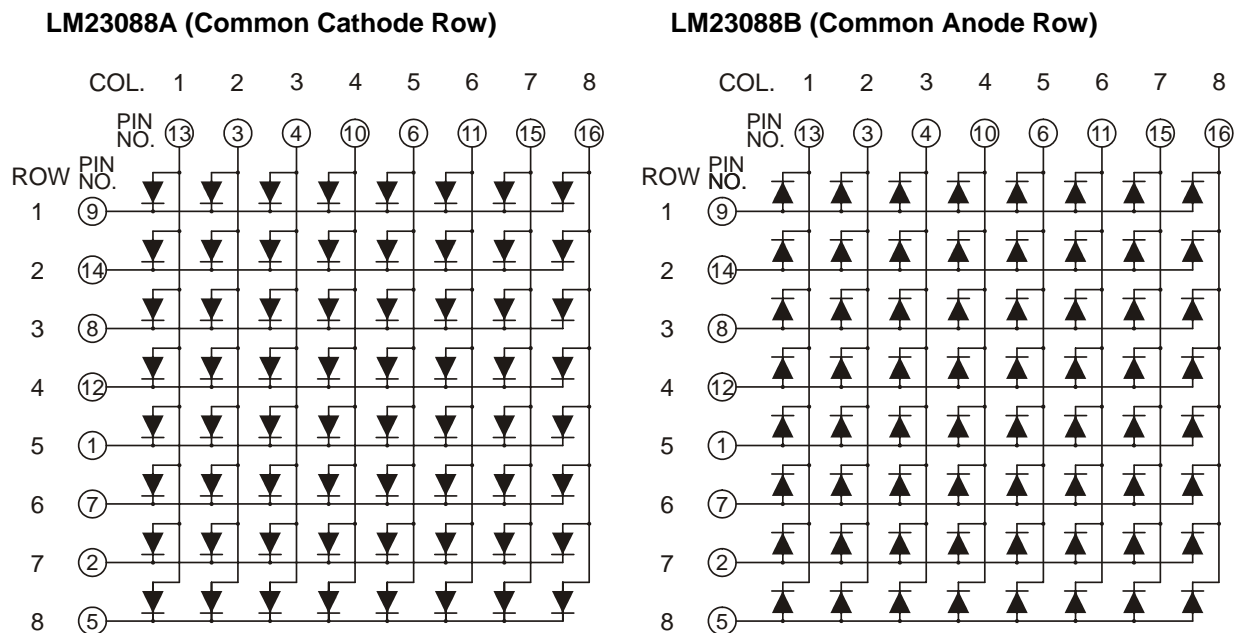
Package Dimensions



Notes:

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25\text{mm}$ (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



Selection Guide (Ta = 25 °C)

Part Number	Emitted Color	Len Color	WLD	Forward Voltage V_f /Dot		Luminous Intensity I_v /Dot		Viewing Angle
				Typ	Max	Min	Typ.	2 1/2
LML23088BU R	Orange-red	Water Clear	625	2	2.5	900.00	1300.00	100
LML23088BU Y	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	V _r =5V	I _R	10	10	μA
Power Dissipation		P _D	65*6 4	65*64	Mw
Operating Temperature		T _{OPR}	-40to+80		
Storage Temperature		T _{TSG}	-40to+85		
Lead soldering temp			260		