



2.30" (60.20mm) Φ 5.00mm 8*8 Single Color Dot Matrix Displays

Features:

- *Ultra dot intensity
- *Wide viewing angle
- *Range of colors
- *Black face water clear dot
- *RoHS compliant

Available option:

- *Alternative face and dot color
- *Cropped terminal pins
- *Available emitting color
- *Low current version

Electro/Optical Characteristics If=20mA Ta=25°C

Part Number Row Cathode Column Anode	Part Number Row Anode Column Cathode	Emitting Color	Peak Wavelength	Forward Voltage V _F /Dot		Luminous Intensity I _v /Dot	
				Typ.	Max.	Min.	Typ.
NFM-23881AUE-10	NFM-23881BUE-10	AlGaInP/GaAsUltra Orange	632	2.00	2.50	40.0	60.0
NFM-23881AUY-10	NFM-23881BUY-10	AlGaInP/GaAsUltra Yellow	590	2.00	2.50	40.0	60.0
NFM-23881AUG-10	NFM-23881BUG-10	AlGaInP/GaAsUltra Green	572	2.10	2.50	25.0	40.0
Units			nm	V		mcd	

Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	UE	UY	UG			Units	
Pulse Forward Current Per Dot	1/10 duty cycle 0.1ms Pulse width	I _{FP}	100	100	100			mA	
DC Forward Current Per Dot		I _F	30	30	30			mA	
Reverse Current Per Dot	V _R =5V	I _R	10	10	10			μA	
Power Dissipation		P _D	65*64	65*64	80*64			mW	
Operating Temperature		T _{OPR}					-40 to +80		°C
Storage Temperature		T _{TSG}					-40 to +85		°C
Lead soldering temperature	1.60mm from body maximum 3 seconds						260		°C

Checked

Chen N.H.

Approved

Jason Chen

Date

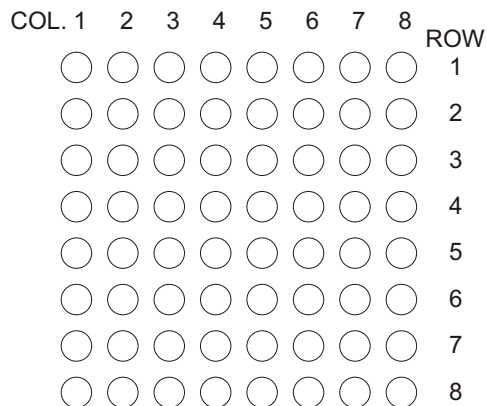
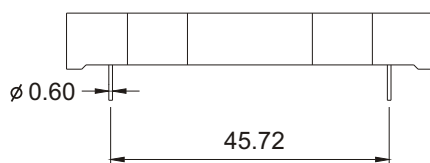
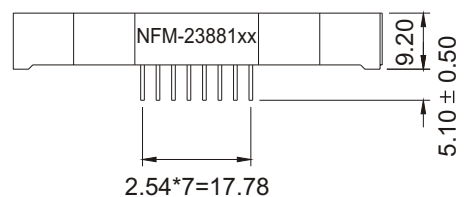
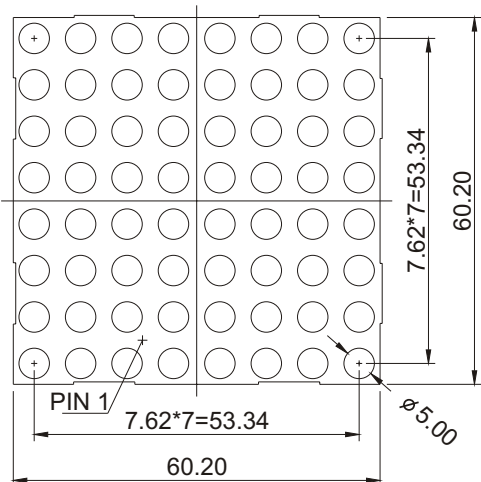
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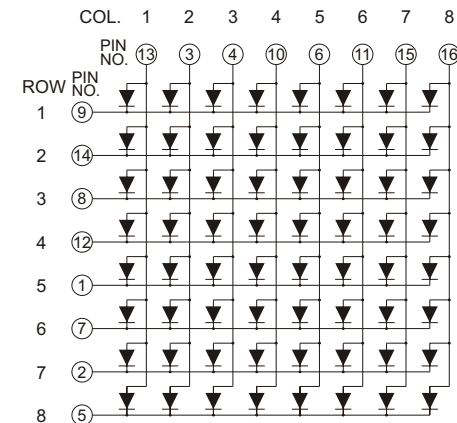
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PACKAGE DIMENSION

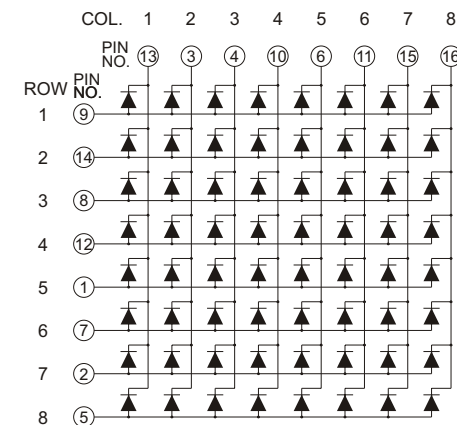


INTERNAL CIRCUIT DIAGRAM

Row Cathode
Column Anode
NFM-23881Ax



Row Anode
Column Cathode
NFM-23881Bx



Tolerance ± 0.25 mm unless stated