

**ATTENTION**

OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Part No.: NEM-7881AW-14**Features:**

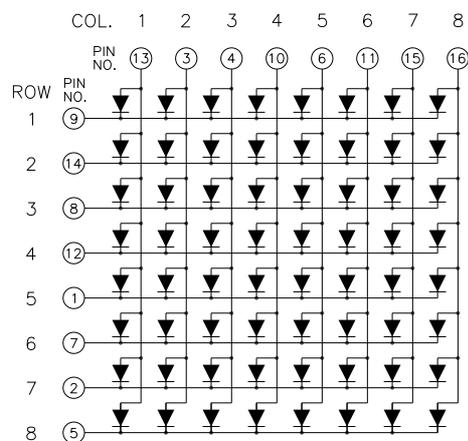
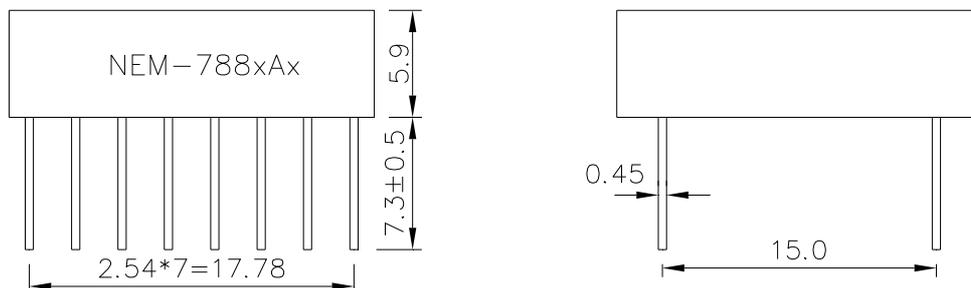
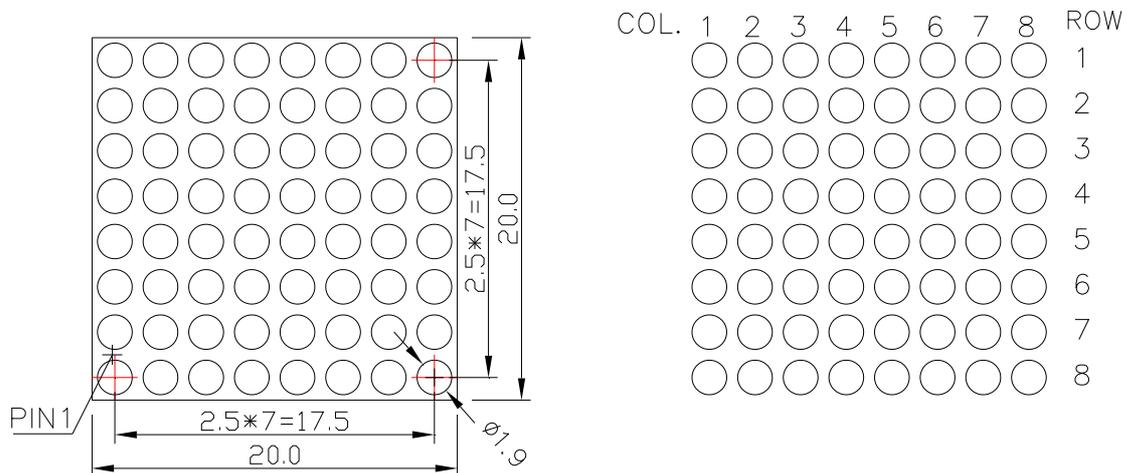
- Large emitting dot 1.9mm diameter.
- Low current operation.
- Easy mounting on P.C. boards or sockets.
- Wide viewing angle.
- Solid state reliability.
- Mechanically rugged.
- Pb free.
- RoHS compliant.

Descriptions:

- The NEM-788xAx series is a large emitting area (1.9mm diameter) LED sources configured in a 64 dot 8*8 matrix array.
- These devices are made with black surface and yellow segments.
- The White source color devices are made with InGaN Blue Light Emitting Diode.

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Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters(inches), Tolerance is ± 0.25 (0.01") unless otherwise noted.
2. Specifications are subject to change without notice.

Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol		Value		Unit
			Min.	Max.	
Reverse Voltage	VR	----	----	5	V
Forward Current	IF	----	----	25	mA
Power Dissipation	Pd	----	----	75	mW
Pulse Current	Ipeak	Duty=0.1mS, 1kHz	----	80	mA
Operating Temperature	Topr	----	-25	+85	°C
Storage Temperature	Tstr	----	-30	+85	°C
Solder Temperature	Tsol	1/16inch below Seating plane	260/3		°C/s

Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Test Condition	Values			Unit
			Min.	Typ.	Max.	
Forward Voltage	V _F	IF=20mA	----	3.0	3.6	V
Reverse Current	I _R	VR=5V	----	----	30	μA
Chromaticity Coordinates	X	IF=20mA	----	0.27	----	nm
	Y	IF=20mA	----	0.25	----	nm
Luminous Intensity	I _v	IF=10mA	----	30	----	mcd

Typical electrical/optical characteristic curves:

