



# YETDA INDUSTRY LTD.

## 1.0" 3mm 8\*8 RED & GREEN DOT MATRIX DISPLAY

### M-10882AUFPG11

#### DESCRIPTION

- \* 1.0" (28mm) Inch Matrix Height.
- \* Super Bright Red & Ultra Bright Green Dot Matrix.
- \* Black Face and White Dot Color.
- \* Row Common Anode.

#### ABSOLUT MAXIMUM RATINGS AT Ta=25°C

Parameter		UNIT
Power Dissipation Per Dot	40	mW
Peak Forward Current Per Dot	120	mA
Forward current Per Dot (Static)	30	mA
Reverse Voltage Per Dot	5	V
Operation Temperature Range	-25°C TO +80°C	°C
Storage Temperature Range	-25°C TO +100°C	°C
Lead Soldering Temperature	260°C for 3 seconds 1.6mm(1/16 inch) from body	

#### ELECTRICAL/OPTOTICAL CHARACTERISTIC AT Ta=25°C

##### RED

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITION
Average Luminous Intensity	I <sub>v</sub>	50	60		mcd	I <sub>f</sub> =20mA
Peak Emission Wavelength	λ <sub>d</sub>		625		nm	I <sub>f</sub> =20mA
Forward Voltage Per Dot	V <sub>f</sub>		2.0	2.4	V	I <sub>f</sub> =20mA
Reverse Current Per Dot	I <sub>r</sub>			10	uA	V <sub>r</sub> =5V
Luminous Intensity Matching Ratio	I <sub>v-m</sub>	2 : 1				I <sub>f</sub> =20mA

#### ELECTRICAL/OPTOTICAL CHARACTERISTIC AT Ta=25°C

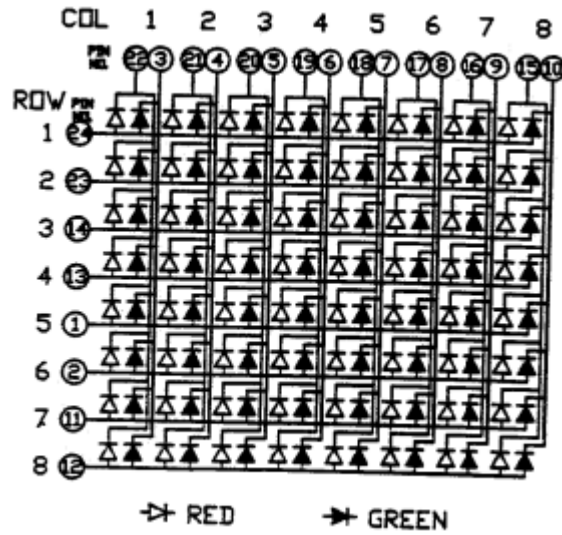
##### GREEN

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITION
Average Luminous Intensity	I <sub>v</sub>	150	180		mcd	I <sub>F</sub> =20mA
Peak Emission Wavelength	λ <sub>D</sub>		525		nm	I <sub>F</sub> =20mA
Forward Voltage Per Dot	V <sub>F</sub>		3.2	3.8	V	I <sub>F</sub> =20mA
Reverse Current Per Dot	I <sub>R</sub>			10	uA	V <sub>R</sub> =5V
Luminous Intensity Matching Ratio	I <sub>v-m</sub>	2 : 1				I <sub>F</sub> =20mA

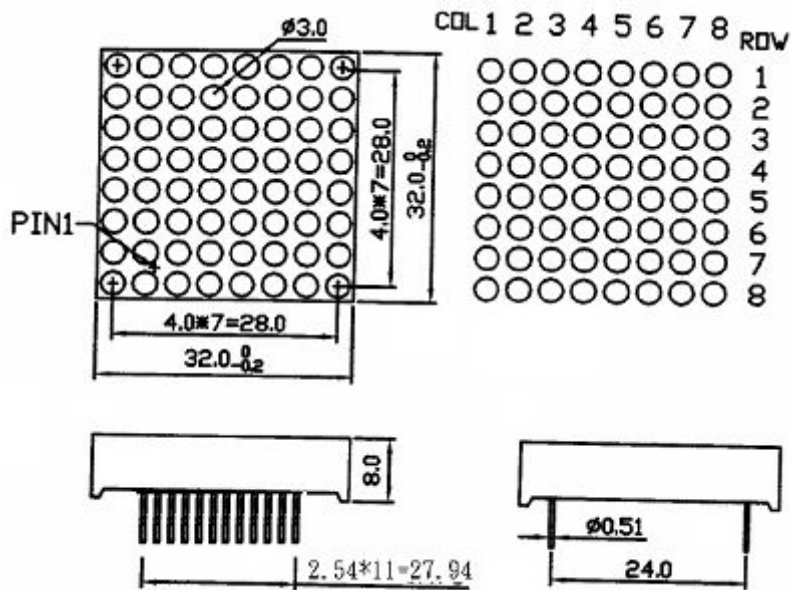


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### P.C.B. Pin Connection



### Reflector Dimensions



Unit:mm