

MICRO ELECTRONICS

MG1588A/C
MO1588A/C
MU1588A/C

LED DOT MATRIX DISPLAY

FEATURES :

Ggreen, orange, ultra bright red.

MG1588A/C - Green GaP
MO1588A/C - Orange GaAsP
MU1588A/C - Ultra bright red GaAlAs

Anode column, Cathode row (with suffix A);

Cathode column, Anode row (with suffix C)

High contrast

Wide viewing angle

8 x 8 matrix array with row-column select

Regged encapsulation (Filled reflector construction)

End & side stackable

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

	MG1588A	MO1588A	MU1588A	UNIT
	MG1588C	MO1588C	MU1588C	
Power Dissipation / Dot	75	75	100	mW
Peak Forward Current / Dot*	100	100	160	mA
Continuous Forward Current / Dot	25	25	30	mA
Reverse Voltage / Dot	5	5	5	V
Operating Temperature Range		-20 to +80		°C
Storage Temperature Range		-20 to +75		°C
Lead Soldering Temperature (1/16" from body, 5 sec.)		260		°C

* Note : Pulse Width = 1mS, Duty Ratio = 1/10.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MG1588A MG1588C	MO1588A MO1588C	MU1588A MU1588C	UNIT	CONDITIONS	
Forward Voltage	TYP	VF	2.2	2.0	1.8	V	IF=20mA
	MAX		3.0	3.0	2.4	V	
Luminous Intensity	MIN	IV	2500	2000	2800	μcd	IF=10mA
	TYP		5000	3000	5500	mcd	
Dot to Dot Luminous Intensity Ratio	MAX		2:1	2:1	2:1		IF=10mA
Reverse Current	MAX	IR	100	100	100	μA	VR=5V
Peak Wavelength	TYP	λp	570	630	660	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	30	40	20	nm	IF=20mA

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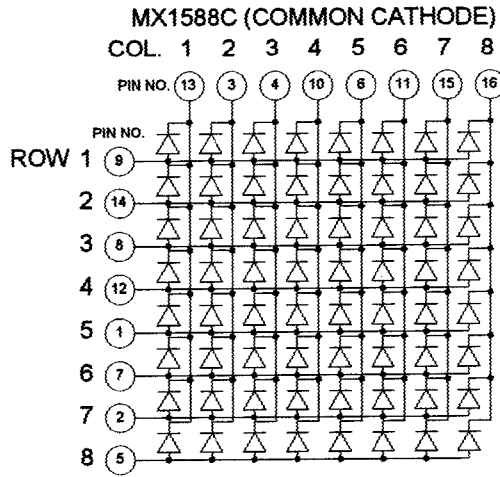
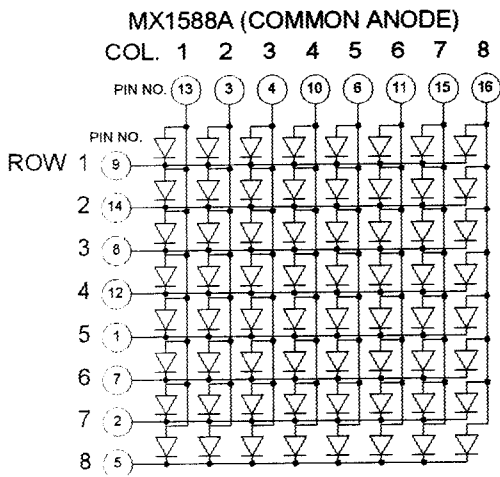
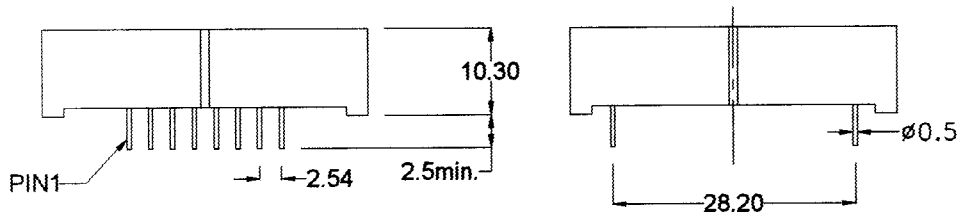
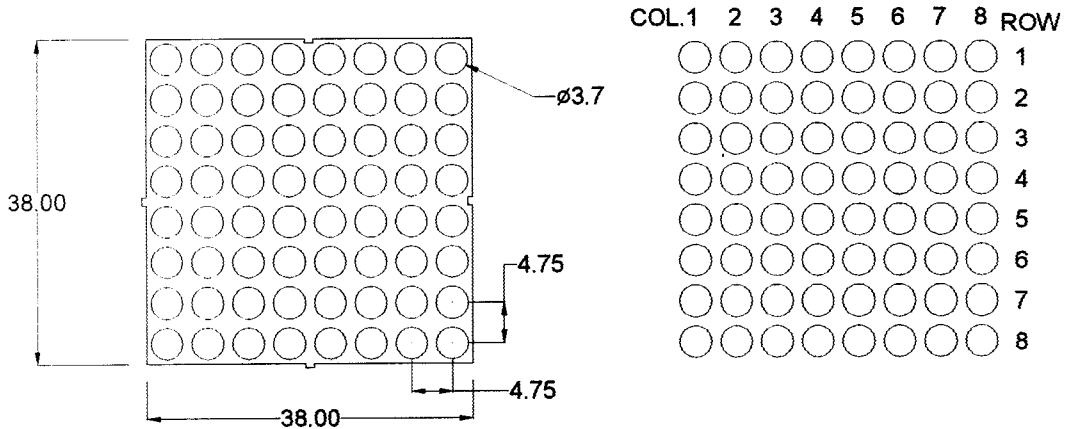
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MG1588A/C MO1588A/C MU1588A/C

MECHANICAL OUTLINE :



- All Dimension in mm (inch)
- NO Scale
- Tol : +/- 0.3mm

Note :

- X ---- G = Green
- O = Orange
- U = Ultra Bright Red