forge EUROPA

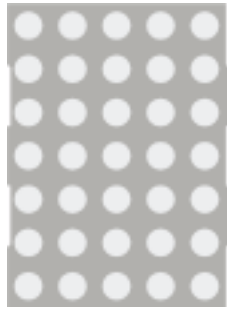
2.1" (53 mm) 5 x 7 Blue Dot Matrix Display

Features:

- Grey face colour, White dot colour.
- Two performance options, HE Blue and Blue.
- Choice of two wavelength, HE Blue 465 nm and Blue 428 nm.
- Distinctive blue colour ideal for a host of applications including audio, instrumentation and corporate signage.
- Very economical.
- Wide viewing angle.

Dot layout

Product not shown actual size



Electro / Optical Characteristics - I_F = 20 mA (* HE Blue - I_F = 10 mA) T_a = 25° C

Part Number - Column Cathode		Part Number - Column Anode		Emitting Colour	Wavelength Peak λ_P	Forward Voltage V_F		Luminous Intensity I_V	
Farnell	Forge Europa	Farnell	Forge Europa			typical	max	min	typical
366-5045	FND-5571B0500GW	366-5057	FND-5572B0500GW	* HE Blue	465	3.30	3.70	-	37
366-5069	FND-5571B0100GW	366-5070	FND-5572B0100GW	Blue	428	3.80	4.50	-	26
Units					nm	V		mcd per dot	

Maximum Ratings T_a = 25° C - Derate above 25° C

Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle @ 1KHz (HE Blue)	I_{FP}	100 (35)	mA
DC Forward Current	(HE Blue)	I_F	25 (15)	mA
Reverse Voltage	I_R = 100 µA	V_R	5	V
Power Dissipation		P_D	85	mW
Operating Temperature		T_{opr}	- 25 to + 80	° C
Storage Temperature		T_{stg}	- 30 to + 85	° C
Lead soldering temperature	1.6 mm from body - max 3 seconds		260	° C

Note

Industry standard procedures regarding static must be observed when handling product produced with blue die material.

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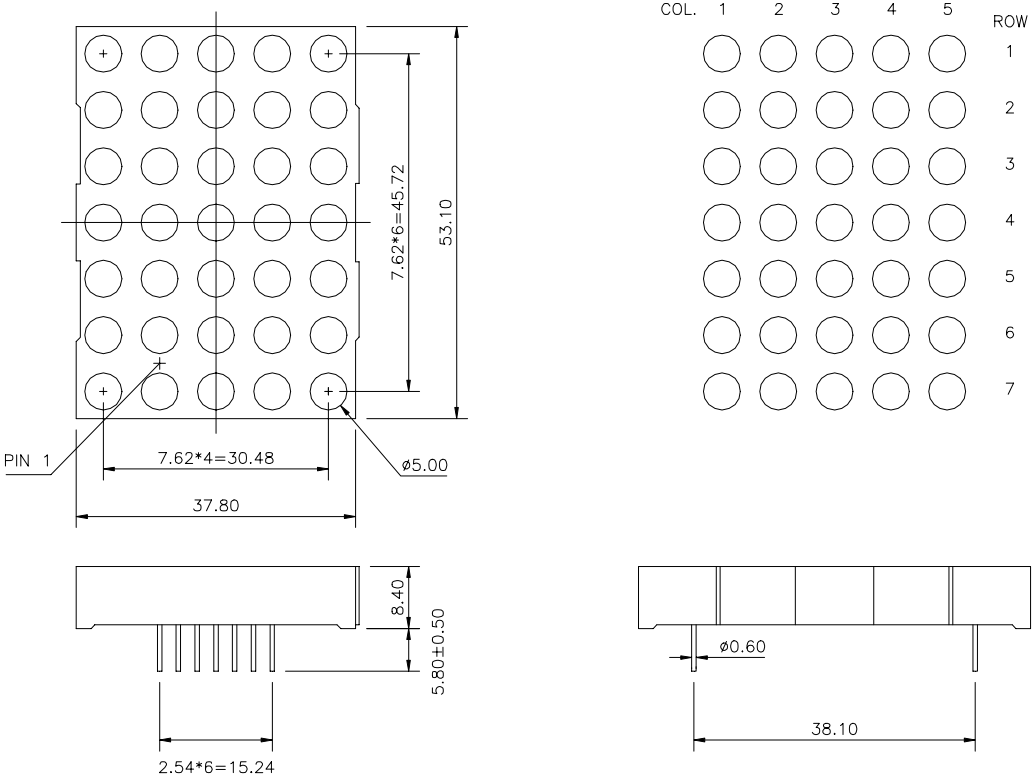
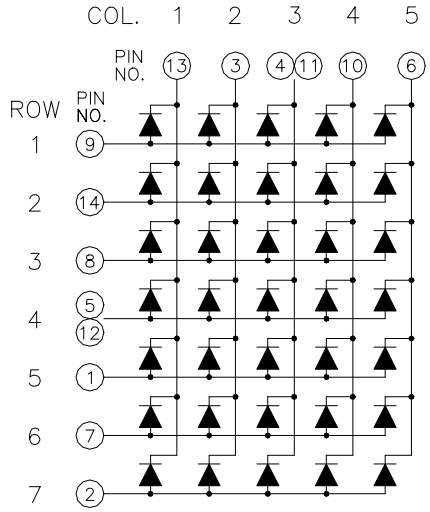
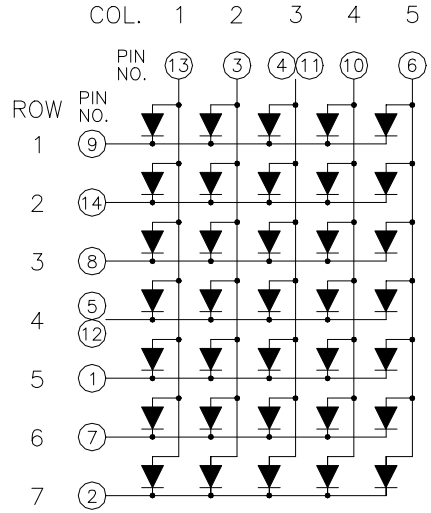
Package Outline



Column Cathode



Column Anode



Tolerance ± 0.25 mm unless stated