

Features:

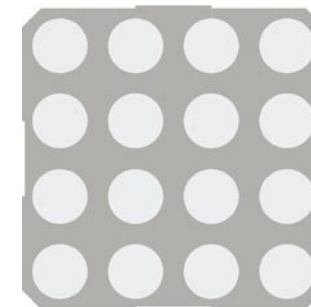
- High dot intensity
- Wide viewing angle
- Range of colours
- Grey face colour
- White dot colour

Available options:

- Alternative face and dot colour
- Cropped terminal pins
- Alternative emitting colour
- Low current version

Dot layout

Product not shown
actual size



Electro / Optical Characteristics - $I_F = 20 \text{ mA}$ (* HE Blue - $I_F = 10 \text{ mA}$) $T_a = 25^\circ \text{ C}$

Part Number Column Cathode	Part Number Column Anode	Emitting Colour	Wavelength Peak λ_P	Forward Voltage V_F		Luminous Intensity I_V	
				typical	max	min	typical
FND-20441L00GW	FND-20442L00GW	GaAlAs Red	660	7.40	8.00	-	-
FND-20441300GW	FND-20442300GW	HE Red	640	8.20	10.00	-	-
FND-20441Y05300GW	FND-20442Y05300GW	Yellow	591	8.20	9.60	-	-
FND-20441200GW	FND-20442200GW	Green	568	8.40	10.00	-	-
FND-20441B0500GW	FND-20442B0500GW	* HE Blue	465	14.80	16.00	-	-
FND-20441B0100GW	FND-20442B0100GW	Blue	428	15.20	18.50	-	-
Units			nm	V		mcd / dot (matrix average)	

Maximum Ratings $T_a = 25^\circ \text{ C}$ (Derate above 25° C)

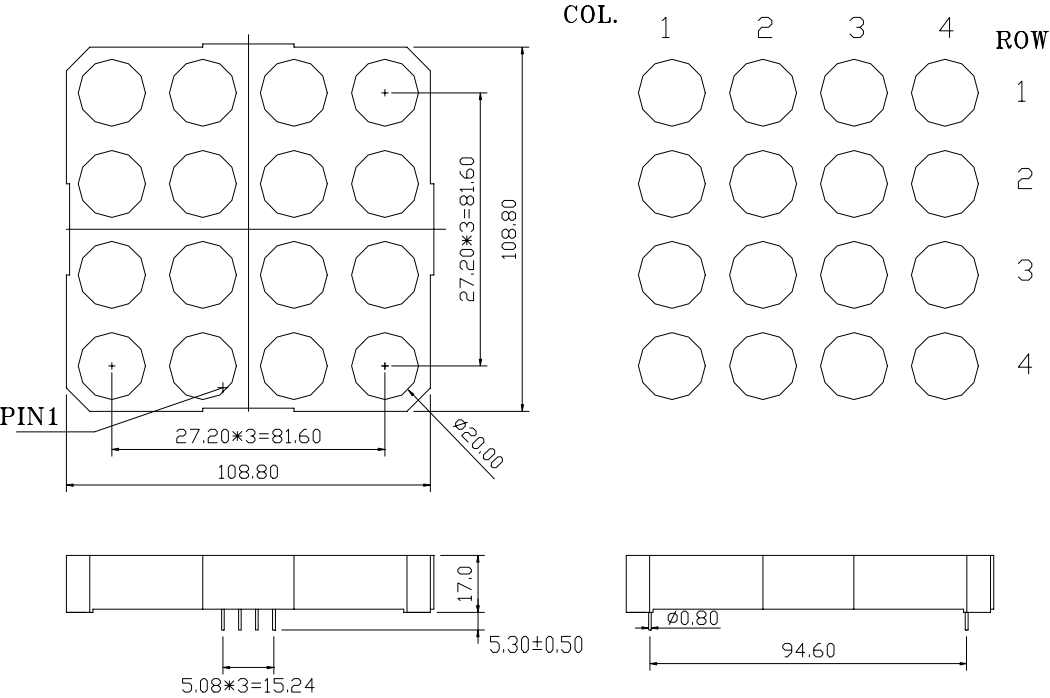
Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle @ 1KHz (HE Blue)	I_{FP}	100 (35)	mA
DC Forward Current	(HE Blue)	I_F	25 (15)	mA
Reverse Voltage	$I_R = 10 \mu\text{A}$	V_R	5	V
Operating Temperature		T_{opr}	- 25 to + 80	$^\circ \text{ C}$
Storage Temperature		T_{stg}	- 30 to + 85	$^\circ \text{ C}$
Lead soldering temperature	1.6 mm from body - max 3 seconds		260	$^\circ \text{ C}$

Note

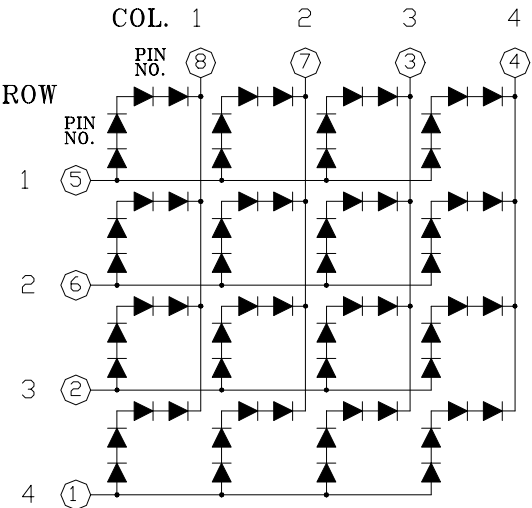
Industry standard procedures regarding static must be observed when handling product produced with blue die material.



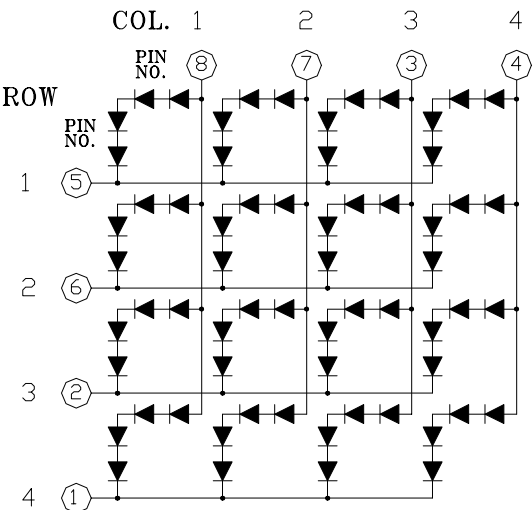
Package Outline



Column Cathode



Column Anode



Tolerance ± 0.25 mm unless stated



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