FND-944XXXXBW Range

2.0" (50 mm) 4 x 4 Full Colour Dot Matrix Display

Features:

- 1 red, 2 green, 1 blue die
- High dot intensity
- Wide viewing angle
- Black face colour
- White dot colour

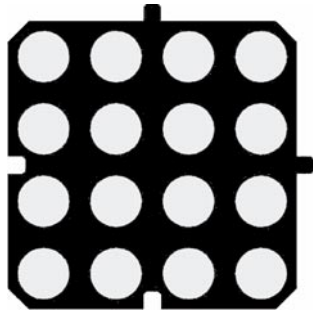
Available options:

- Alternative face colour: grey
- Cropped terminal pins

The user must take into consideration the overall temperature increase and/or power dissipation of the unit when used in dot intensive applications and driving 2 or all 3 dice within each dot.

Dot layout

Product not shown actual size



Electro / Optical Characteristics - I_F = 20 mA T_a = 25° C

Part Number Column Cathode	Emitting Colours	Wavelength Peak λ_P	Forward Voltage V_F		Luminous Intensity I_V	
			typical	max	min	typical
FND-9441R02G01G01B010BW	Red	660	1.85	2.00	-	58
	Green	568	4.20	5.00	-	59
	Blue	428	3.80	4.50	-	28
Units		nm	V		mcd / dot (matrix average)	

Maximum Ratings / dot T_a = 25° C (Derate above 25° C)

Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle @ 1KHz	I_{FP}	100	mA
DC Forward Current		I_F	25	mA
Reverse Voltage	I_R = 10 µA	V_R	5	V
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

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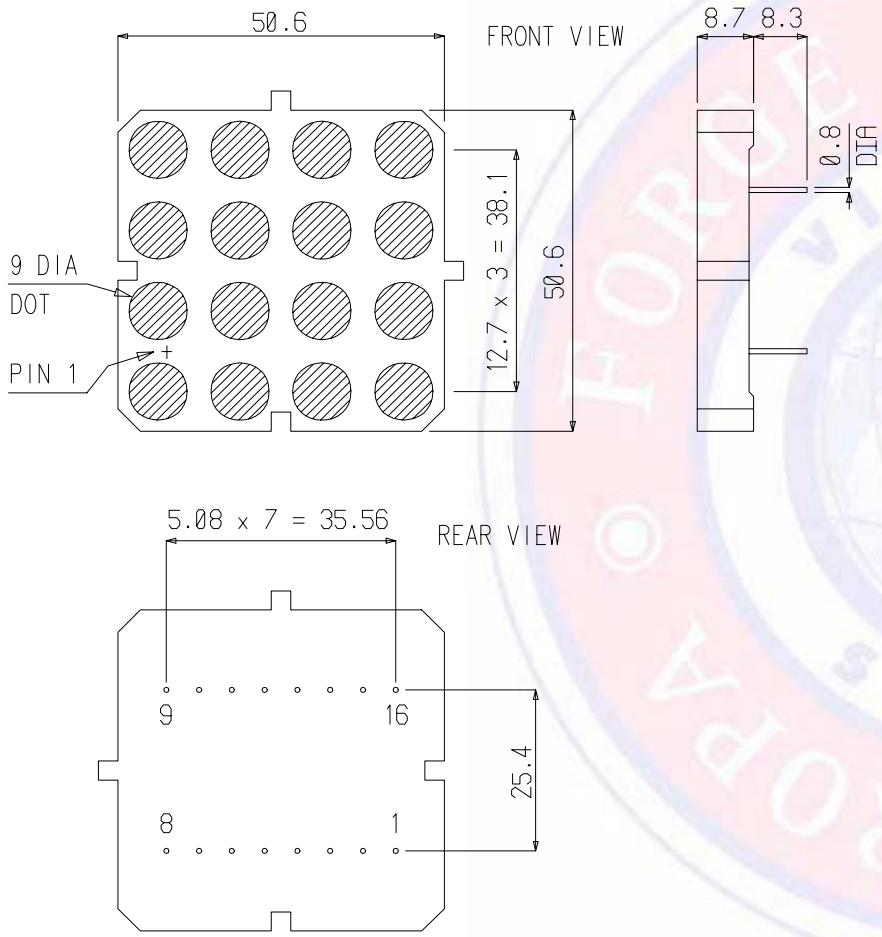
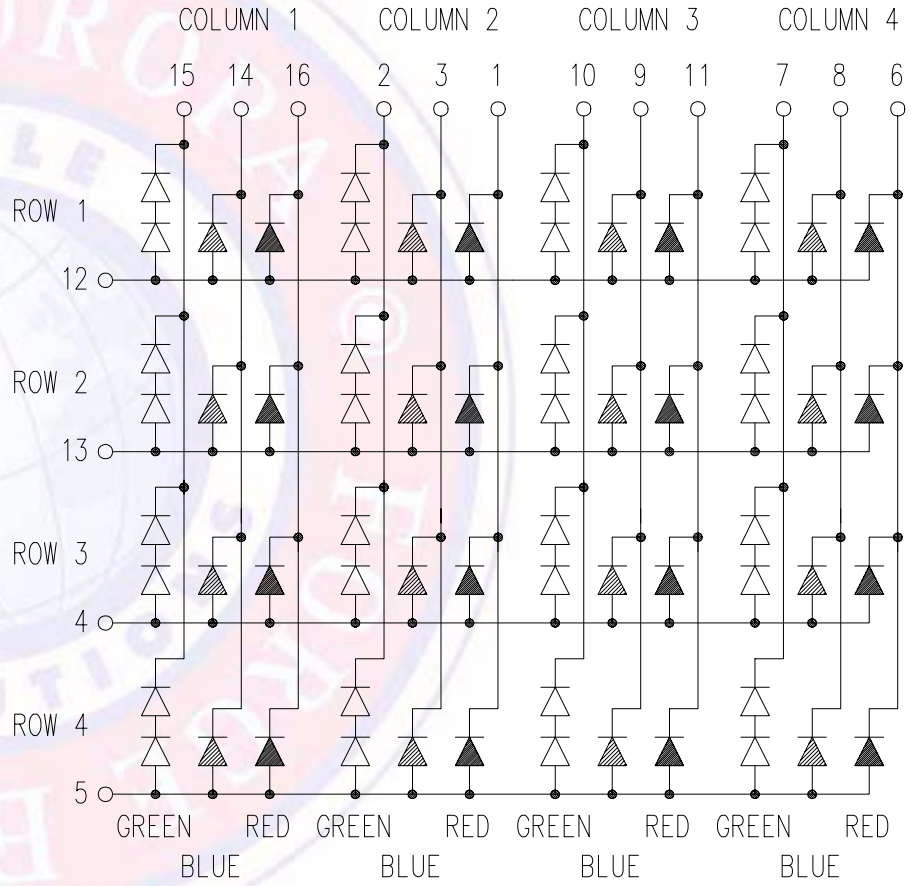
Package Outline



Connection Diagram



Tolerance ± 0.25 mm unless stated

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