FND-588XX00GC Range

2.3" (60 mm) 8 x 8 High Performance Dot Matrix Display

Features:

- High dot intensity
- Wide viewing angle
- Grey face colour
- Water clear dot

Available options:

- Alternative face colour
- Cropped terminal pins

Dot Layout

Product not shown actual size

Electro / Optical Characteristics - I_F = 20 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	
				typical	max	min	typical
FND-5881R07700GC	FND-5882R07700GC	Red	632	2.00	2.40	-	165
FND-5881O03700GC	FND-5882O03700GC	Orange	611	2.00	2.40	-	119
FND-5881Y05300GC	FND-5882Y05300GC	Yellow	591	2.05	2.40	-	66
FND-5881Y04600GC	FND-5882Y04600GC	Yellow	591	2.00	2.40	-	133
FND-5881G04400GC	FND-5882G04400GC	Green	573	2.05	2.40	-	58
FND-5881G0300GC	FND-5882G0300GC	Green	518	3.70	4.20	-	199
FND-5881G0600GC	FND-5882G0600GC	Green	502	3.70	4.20	-	214
FND-5881B0300GC	FND-5882B0300GC	Blue	468	3.70	4.20	-	66
Units			nm	V		mcd / dot (matrix average)	

Maximum Ratings 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

Note

Industry standard procedures regarding static must be observed when handling product produced with 468 nm blue and 502 / 518.nm green die material

Issue 03

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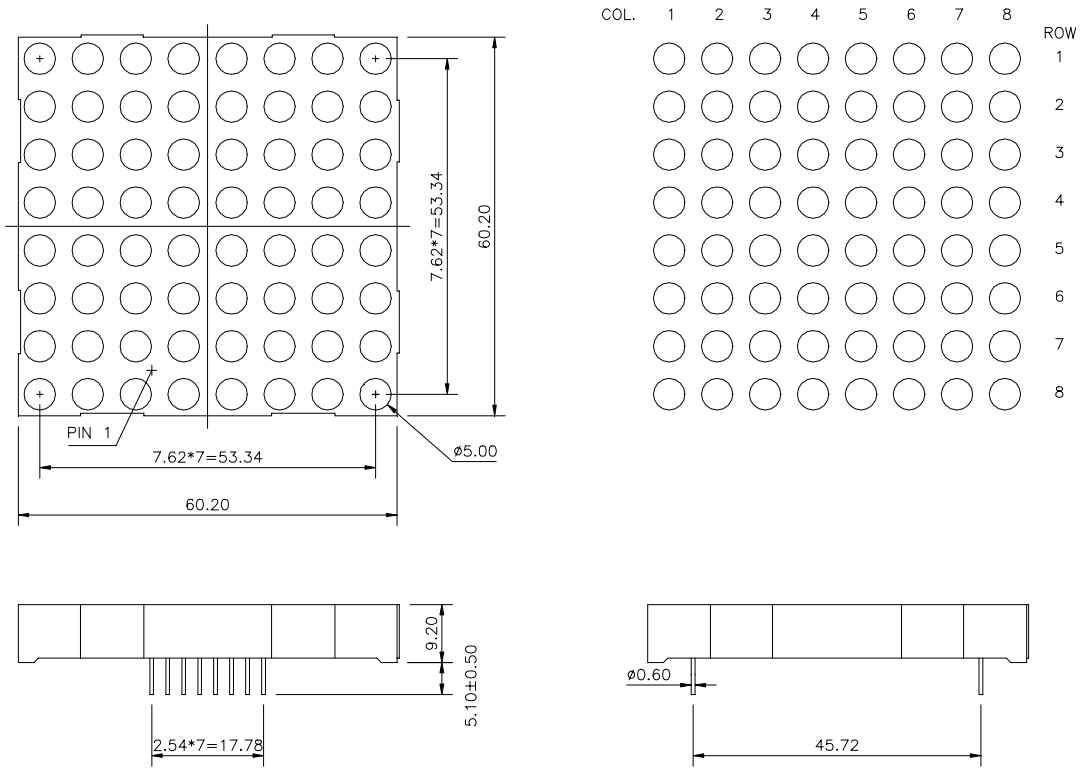
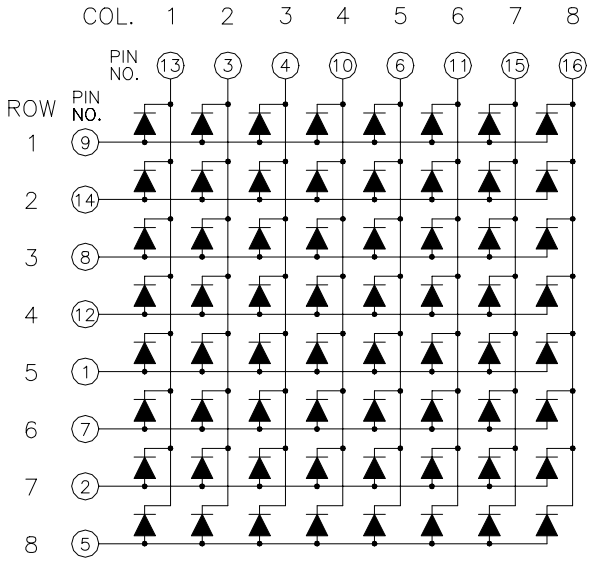
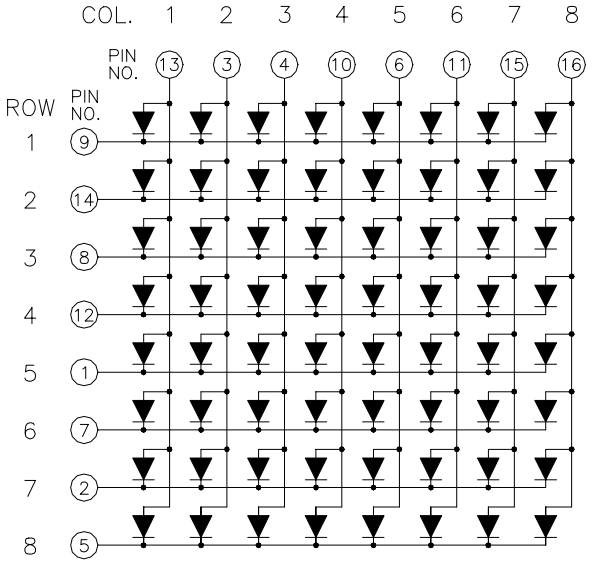
Package Outline



Column Cathode



Column Anode



Tolerance ± 0.25 mm unless stated

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