

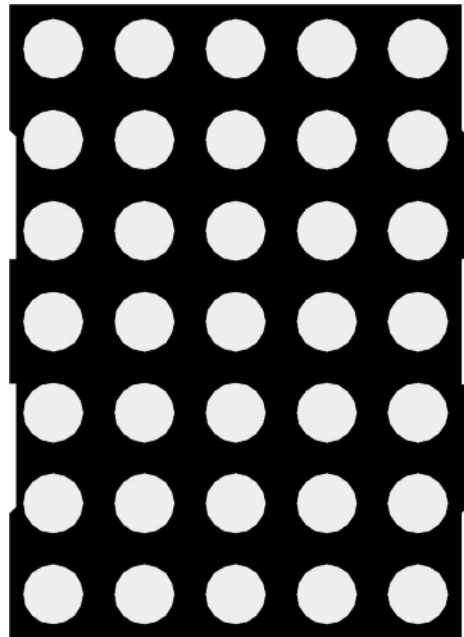
# FND-557XW4SM00BW35 Range

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



## Features:

- 3.5mm pin length
- High intensity white dot matrix LED display
- Black face for maximum contrast
- White diffused segment in off-state
- Ideal for use in applications requiring a high-quality display:
  - ❑ Passenger information
  - ❑ Variable message signs
  - ❑ Lift indication
  - ❑ Digital clocks



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Electro / Optical Characteristics  $I_F = 20\text{mA}$ ,  $T_a = 25^\circ\text{C}$

| Part Number          |                      | Emitting Colour | Chromaticity Coordinates |      | Forward Voltage |      | Luminous Intensity, $I_v$ |     |
|----------------------|----------------------|-----------------|--------------------------|------|-----------------|------|---------------------------|-----|
| Column Cathode       | Column Anode         |                 | x                        | y    | Typ             | Max  | Min                       | Typ |
| FND-5571W4SM00BW35 ♦ | FND-5572W4SM00BW35 ♦ | White           | 0.30                     | 0.30 | 3.20            | 3.70 | ~                         | 400 |
| Units                |                      |                 |                          |      | V               |      | mcd / seg                 |     |

♦ Available from Farnell/element14

Maximum Rated Values  $T_a = 25^\circ\text{C}$  (Derate Above  $25^\circ\text{C}$ )

| 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            | $I_R = 10\mu\text{A}$           | $V_R$     | 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 | 1.6mm from body - max 3 seconds |           | 260        | $^\circ\text{C}$ |

## Note

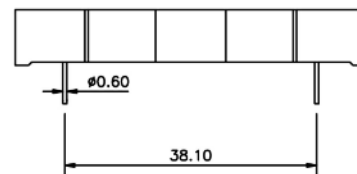
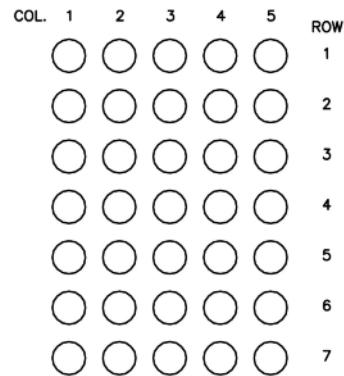
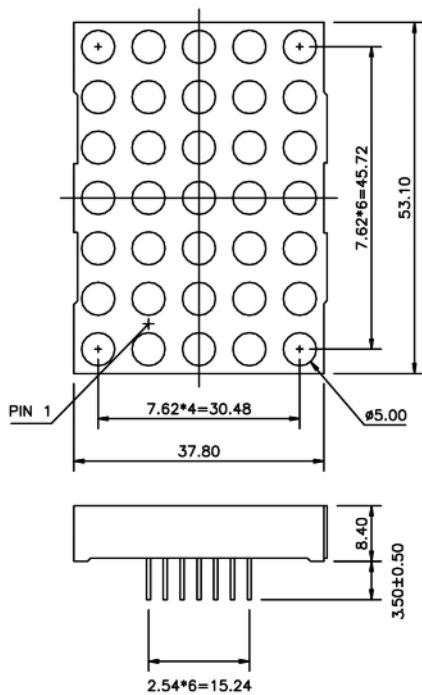
Industry standard procedures regarding static must be observed when handling white LED displays as they are produced using blue die material.

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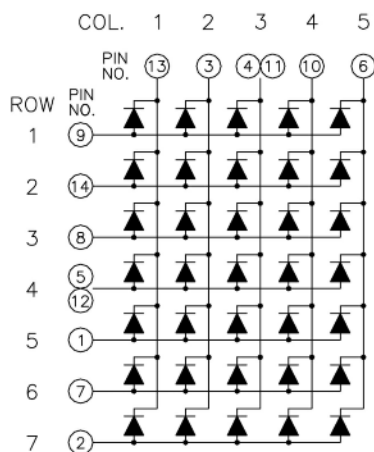


## Package Outline and Diagrams

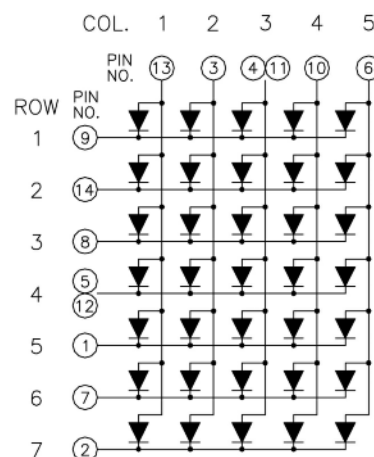


Tolerance  $\pm 0.25$  mm unless stated

### Column Cathode



### Column Anode



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