

深圳市昱申科技有限公司

CHINA YOUNG SUN LED TECHNOLOGY CO., LTD.

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Model No.: YSD-439AB4B-35

Applications:

- Moving Message Display
- Full Color Display
- Banking Board
- Score Boards
- Digital Display

LED Chip Absolute Maximum Ratings: (Ta=25 °C)

| Parameter | Symbol | Red | Unit |
|---|------------------|----------|------|
| Forward current | I _F | 20 | mA |
| Peak forward current (Duty Cycle=1/10, 10KHz) | I _{PF} | 30 | mA |
| Reverse voltage (V _R =5V) | I _R | 10 | μ A |
| Operating temp | T _{OPR} | -25 - 85 | °C |
| Storage temp | T _{STG} | -30 - 85 | °C |
| Peak Emission Wavelength | λ _{PH} | 463 | nm |

* Soldering Bath: not more than 5 seconds @260 °C. The bottom ends of the plastic reflector should be at least 2mm above the solder surface

Soldering Iron: not more than 3 seconds @300 °C under 30W

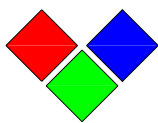
LED Chip Typical Electrical & Optical Characteristics: (Ta=25 °C)

| ITEMS | Symbol | Condition | Min. | Typ. | Max. | Unit |
|------------------------------------|----------------|----------------------|-----------------|------|------|------|
| Forward Voltage | V _F | I _F =20mA | 3.2 | 3.4 | 3.5 | V |
| Luminous Intensity | I _V | I _F =20mA | 150 | 200 | 250 | mcd |
| Wavelength | Δ λ | I _F =20mA | 460 | 463 | 465 | nm |
| Light Degradation after 1000 hours | | | -4.68% ~ -8.27% | | | |

Address: 5/F, Building B, Anzhilong Indl., Qinghua East Road., Longhua Town, Shenzhen CHINA. 518109

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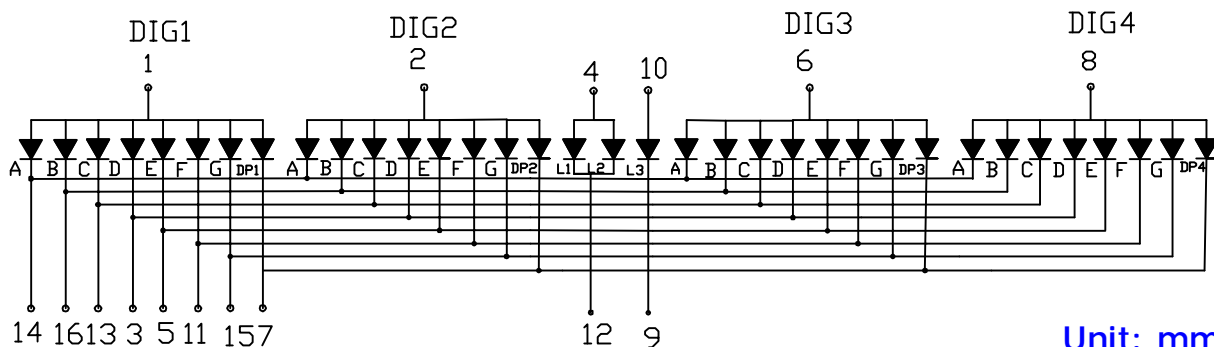
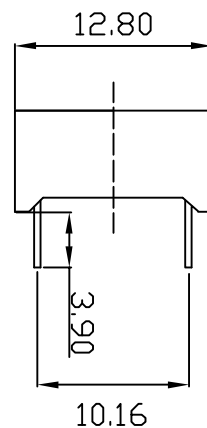
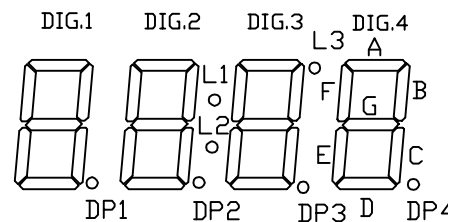
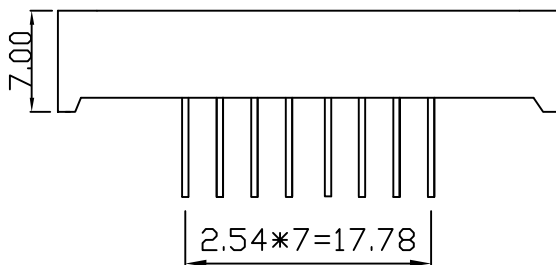
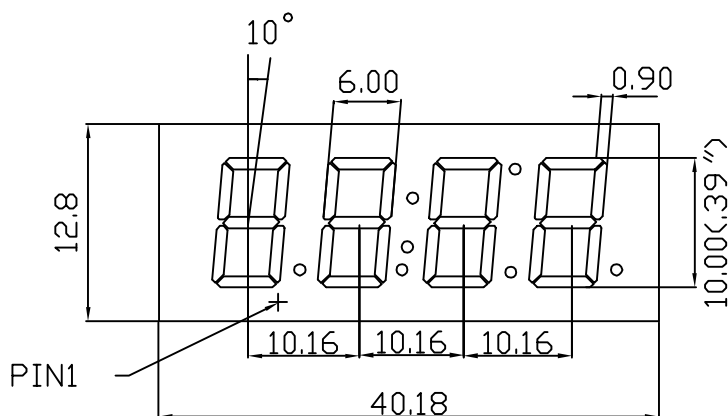
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Mechanical Dimensions:

- . All dimension are in mm, tolerance is $\pm 0.2\text{mm}$ unless otherwise noted
- . An epoxy meniscus may extend about 1.5mm down the leads.



Unit: mm

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