



NO. : QB/SPS 73 PS 1116A

# SPECIFICATIONS

**NAME: 0.3 inch DIGITAL DISPLAY**

**TYPE: LDS4031SRC**

**SHENZHEN DITELONG INDUSTRIAL CO.,LTD.  
SHENZHEN CANDELA ELECTRONIC CO.,LTD.  
SHENZHEN SUCCESS PHOTOELECTRONICS CO.,LTD**

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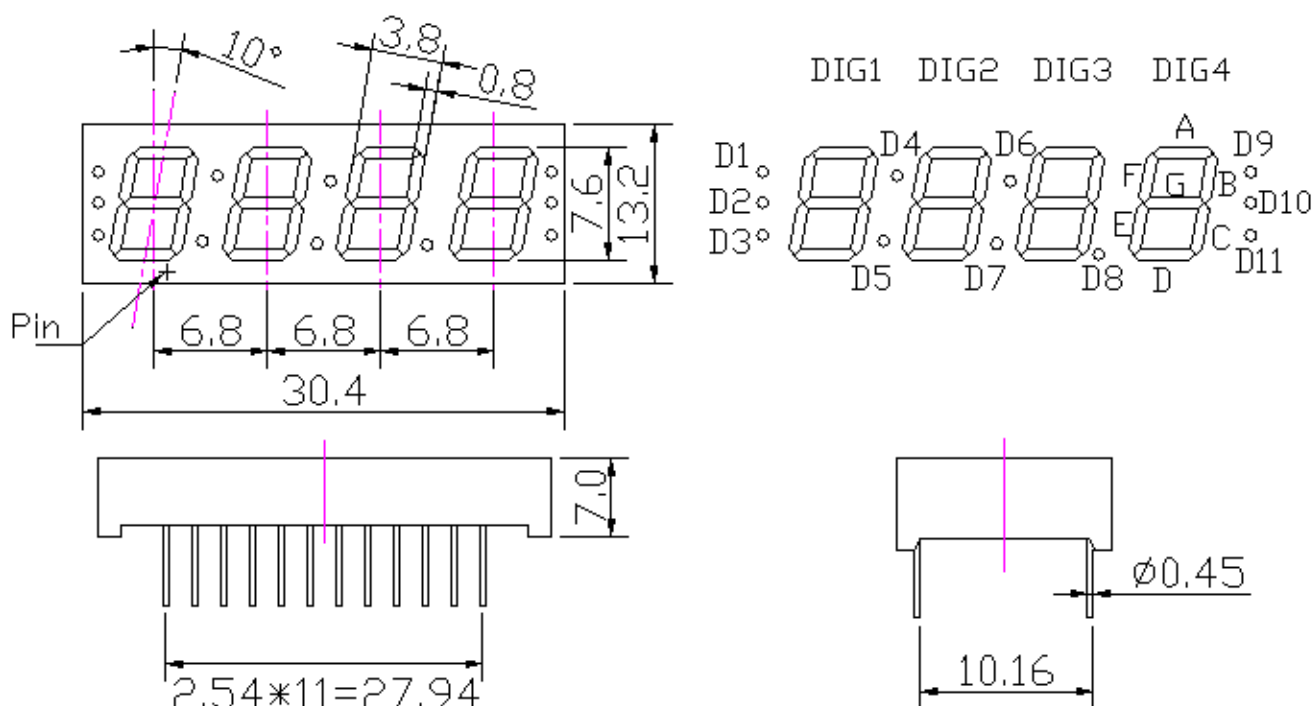
Post Code:518115

## LDS—4031SRC

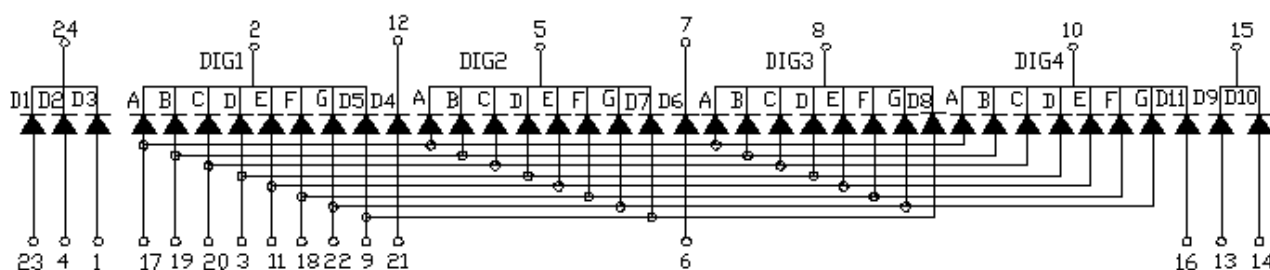
**1 . FEATURES**

- High intensity and reliability.
- Low power requirement
- I.C. compatible

- Chip Material : GaAlAs
- Black Color Face

**2 . PACKAGE DIMENSIONS:****NOTES:**

All dimensions are in millimeters, tolerance are  $\pm 0.25$  mm unless otherwise noted.

**3 . INTERNAL CIRCUIT DIAGRAM.**

**4 . ABSOLUTE MAXIMUM RATINGS Ta=25**

| PARAMETER                                                             | RED      | Green | UNIT |
|-----------------------------------------------------------------------|----------|-------|------|
| Power dissipation per segment                                         | 60       |       | mw   |
| Peak forward current per segment*                                     | 80       |       | mA   |
| Continuous forward current per segment**                              | 15       |       | mA   |
| Reverse voltage per segment                                           | 5        |       | V    |
| Operating temperature range                                           | -35 ~ 80 |       |      |
| Storage temperature range                                             | -35 ~ 85 |       |      |
| Solder temperature 1/16 inch below seating plane for 3 seconds at 260 |          |       |      |

**NOTES:**

\* 1/10 duty cycle 10 mes pulse width

\*\* We advise average forward c urrent is 15mA

**5 . ELECTRICAL/OPTICAL CHARACTERISTICS Ta=25**

| ITEM                        | SYMBOL      | CONDITION |         | RATING |      |     | UNIT    |
|-----------------------------|-------------|-----------|---------|--------|------|-----|---------|
|                             |             |           |         | min    | typ  | max |         |
| Luminous Intensity          | IV          | Red       | IF=20mA | —      | 9    | —   | mcd     |
|                             |             | Green     |         | —      | —    | —   |         |
| Peak Emission Wavelength    | $\lambda P$ | Red       | IF=20mA | —      | 640  | —   | nm      |
|                             |             | Green     |         | —      | —    | —   |         |
| Spectral Line Half-width    | $\lambda$   | Red       | IF=20mA | —      | 35   | —   | nm      |
|                             |             | Green     |         | —      | —    | —   |         |
| Forward Voltage per segment | VF          | Red       | IF=20mA | —      | 1.85 | 2.0 | V       |
|                             |             | Green     |         | —      | —    | —   |         |
| Reverse Current per segment | IR          | Red       | VR=5V   | —      | —    | 50  | $\mu A$ |
|                             |             | Green     | VR=5V   | —      | —    | —   |         |

**6 . CAUTIONS:**

- When being used, do not be over the corresponding limited scale and note in our specification.
- For some products with the static electricity mark, please operate refer to the rules of static electricity fence.
- When designing, please consider the factor of heat, and taking keep away measure to avoid high temperature.
- Do not clean the product with organic impregnant as some of them may damage the product.