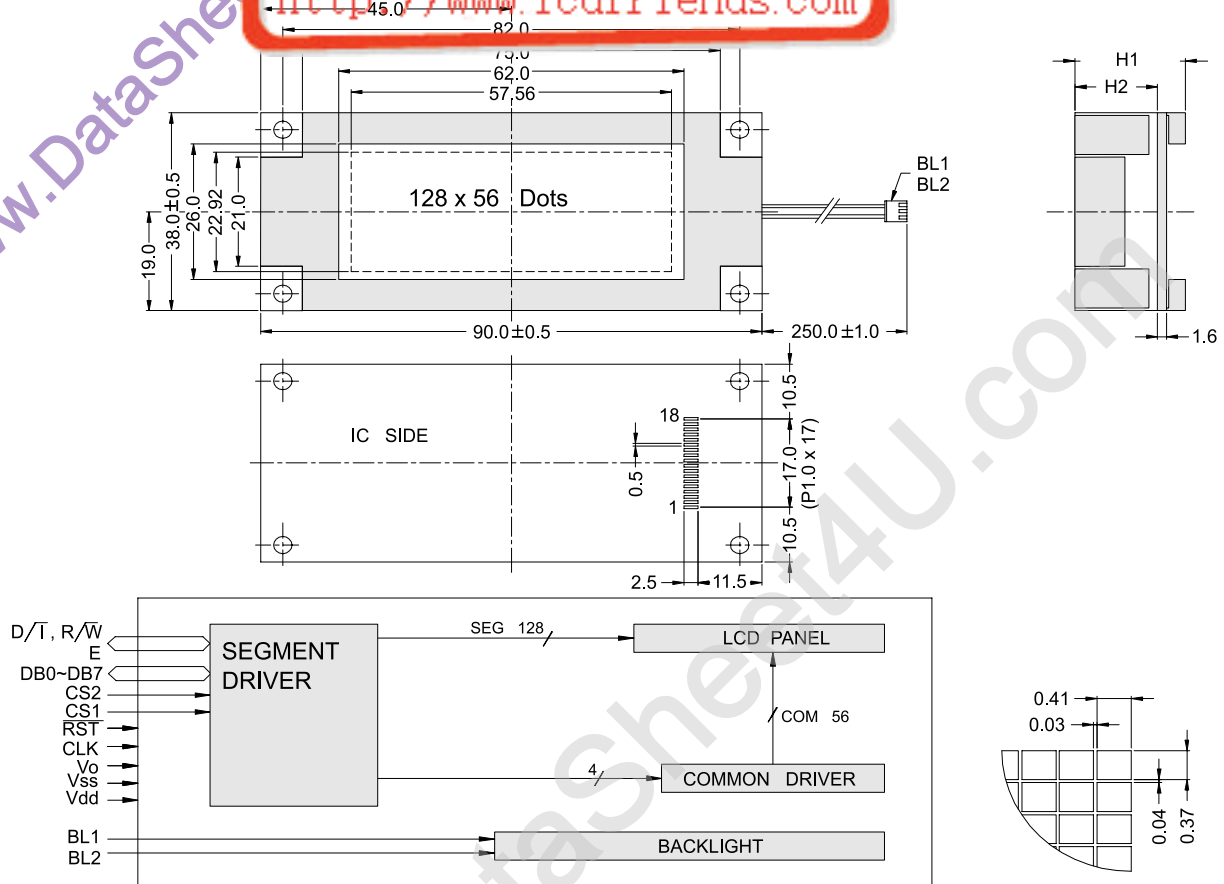


## OUTLINE DIMENSION & BLOCK DIAGRAM

液晶之家 电话: 020-33819057  
[Http://www.lcdfriends.com](http://www.lcdfriends.com)



The tolerance unless classified  $\pm 0.3\text{mm}$

| MECHANICAL SPECIFICATION |             |           |             |
|--------------------------|-------------|-----------|-------------|
| Overall Size             | 90.0 x 38.0 | Module    | H2 / H1     |
| View Area                | 62.0 x 26.0 | W / O B/L | - / -       |
| Dot Size                 | 0.41 x 0.37 | EL B/L    | - / -       |
| Dot Pitch                | 0.45 x 0.41 | LED B/L   | 14.8 / 19.8 |

| PIN ASSIGNMENT |         |                       |
|----------------|---------|-----------------------|
| Pin no.        | Symbol  | Function              |
| 1              | Vss     | Power supply(GND)     |
| 2              | Vdd     | Power supply(+)       |
| 3              | Vc      | Contrast Adjust       |
| 4              | D/I     | Command / Data select |
| 5              | R/W     | Data read / write     |
| 6              | E       | Chip enable           |
| 7-14           | DB0-DB7 | Data bus line         |
| 15             | CS1     | Chip select driver 1  |
| 16             | CS2     | Chip select driver 2  |
| 17             | RST     | Reset                 |
| 18             | CLK     | External clock        |

| ABSOLUTE MAXIMUM RATING          |           |           |      |         |       |       |   |
|----------------------------------|-----------|-----------|------|---------|-------|-------|---|
| Item                             | Symbol    | Condition | Min. | Max.    | Units |       |   |
| Supply for logic voltage         | Vdd-Vss   | 25°C      | -0.3 | 7.0     | V     |       |   |
| LCD driving supply voltage       | Vdd-Vee   | 25°C      | -0.3 | 19.0    | V     |       |   |
| Input voltage                    | Vin       | 25°C      | -0.3 | Vdd+0.3 | V     |       |   |
| ELECTRICAL CHARACTERISTICS       |           |           |      |         |       |       |   |
| Item                             | Symbol    | Condition | Min. | Typical | Max.  | Units |   |
| Power supply voltage             | Vdd-Vss   | 25°C      | 2.7  | -       | 5.5   | V     |   |
| LCD operation voltage            | Vop       | Top       | N    | W       | N     | W     | V |
|                                  |           | -20°C     | -    | -       | -     | -     | V |
|                                  |           | 0°C       | -    | -       | -     | -     | V |
|                                  |           | 25°C      | -    | 9.2     | -     | -     | V |
|                                  |           | 50°C      | -    | -       | -     | -     | V |
|                                  |           | 70°C      | -    | -       | -     | -     | V |
| LCM current consumption (No B/L) | Idd       | Vdd=5V    | -    | 1.5     | 3     | mA    |   |
| Backlight current consumption    | LED/edge  | VB/L=4.2V | -    | -       | -     | mA    |   |
|                                  | LED/array | VB/L=4.2V | -    | -       | -     | mA    |   |