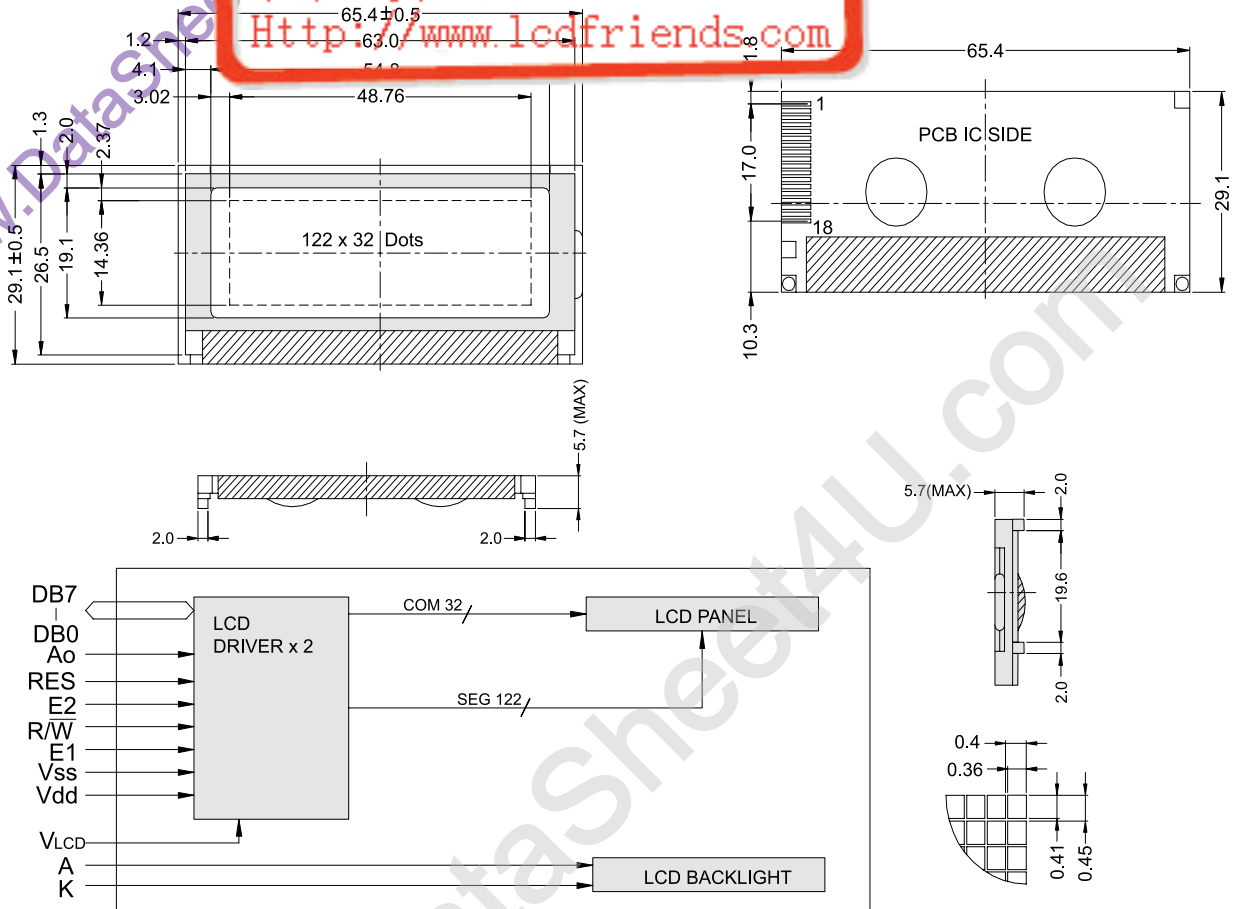


OUTLINE DIMENSIONS & BLOCK DIAGRAM

液晶之友 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 | 65.4 x 29.1 | Module | H2 / H1 |
| View Area | 54.8 x 19.1 | W / O B/L | - / 1.8 |
| Dot Size | 0.36 x 0.41 | EL B/L | - |
| Dot Pitch | 0.40 x 0.45 | LED B/L | - / 5.7 |

| PIN ASSIGNMENT | | |
|----------------|--------|-----------------------------|
| Pin no. | Symbol | Function |
| 1 | Vdd | Power supply(+) |
| 2 | Vss | Power supply(GND) |
| 3 | VLCD | Contrast Adjust |
| 4 | RES | Reset |
| 5 | E1 | Enable driver 1 |
| 6 | E2 | Enable driver 2 |
| 7 | R/W | Data read / write |
| 8 | Ao | Command / Data select |
| 9 | DB0 | Data bus line |
| 10 | DB1 | Data bus line |
| 11 | DB2 | Data bus line |
| 12 | DB3 | Data bus line |
| 13 | DB4 | Data bus line |
| 14 | DB5 | Data bus line |
| 15 | DB6 | Data bus line |
| 16 | DB7 | Data bus line |
| 17 | N.C(A) | NC(Power supply (+) to B/L) |
| 18 | N.C(K) | NC(Power supply (-) to B/L) |

| ABSOLUTE MAXIMUM RATING | | | | | | | | | |
|----------------------------------|-----------|-----------|------|---------|-------|-------|-----|-----|---|
| Item | Symbol | Condition | Min. | Max. | Units | | | | |
| Supply for logic voltage | Vdd-Vss | 25°C | -0.3 | 8.0 | V | | | | |
| LCD driving supply voltage | Vdd-Vee | 25°C | -0.3 | 16.5 | 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 | 2.4 | - | 5.5 | V | | | |
| LCD operation voltage | Vop | Top | N | W | N | W | N | W | V |
| | | -20°C | - | 7.1 | 7.3 | - | 7.5 | V | |
| | | 0°C | 6.7 | 6.9 | - | 7.1 | - | V | |
| | | 25°C | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 7.3 | V |
| | | 50°C | 6.1 | - | 6.3 | - | 6.5 | - | V |
| | | 70°C | - | 5.4 | - | 5.6 | - | 7.1 | V |
| LCM current consumption (No B/L) | Idd | Vdd=5V | - | 1.0 | 2.5 | mA | | | |
| Backlight current consumption | LED/edge | VB/L=4.2V | - | 100 | - | mA | | | |
| | LED/array | VB/L=4.2V | - | - | - | mA | | | |