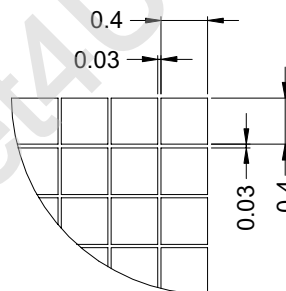
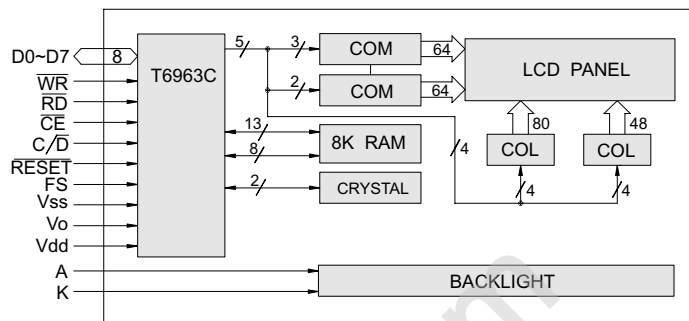
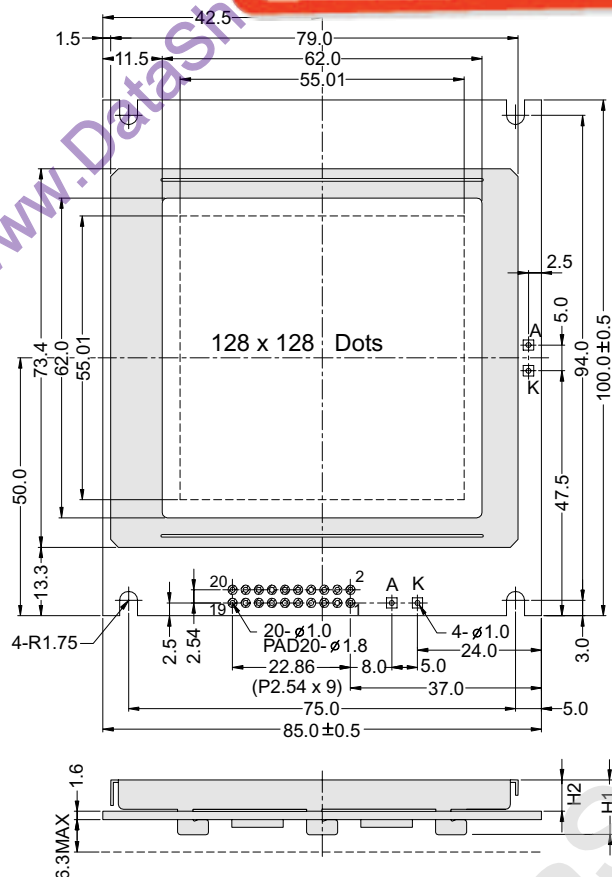


OUTLINE DIMENSION & BLOCK DIAGRAM

液晶之友 电话: 020-33819057  
Http://www.lcdfriends.com



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

MECHANICAL SPECIFICATION

|              |              |           |            |
|--------------|--------------|-----------|------------|
| Overall Size | 85.0 x 100.0 | Module    | H2 / H1    |
| View Area    | 62.0 x 62.0  | W / O B/L | 6.1 / 14.0 |
| Dot Size     | 0.40 x 0.40  | EL B/L    | 6.1 / 14.0 |
| Dot Pitch    | 0.43 x 0.43  | LED B/L   | 9.2 / 14.0 |

PIN ASSIGNMENT

| Pin no. | Symbol  | Function              |
|---------|---------|-----------------------|
| 1       | FGND    | Frame ground          |
| 2       | Vss     | Power supply(GND)     |
| 3       | Vdd     | Power supply(+)       |
| 4       | Vo      | Contrast Adjust       |
| 5       | WR      | Data write            |
| 6       | RD      | Data read             |
| 7       | CE      | Chip enable           |
| 8       | C/D     | Command / data select |
| 9       | NC      | No connection         |
| 10      | RESET   | Reset                 |
| 11-18   | DB0-DB7 | Data bus line         |
| 19      | FS      | Font selection        |
| 20      | NC      | No connection         |

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    | 22.0    | 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      | 4.5  | —       | 5.5  | V     |
| LCD operation voltage            | Vop       | Top       | N    | W       | N    | W     |
|                                  |           | -20°C     | —    | —       | —    | —     |
|                                  |           | 0°C       | 18.1 | —       | 19   | —     |
|                                  |           | 25°C      | 17.5 | —       | 18.4 | —     |
|                                  |           | 50°C      | 16.5 | —       | 17.4 | —     |
|                                  |           | 70°C      | —    | —       | —    | —     |
| LCM current consumption (No B/L) | Idd       | Vdd=5V    | —    | 8.0     | —    | mA    |
| Backlight current consumption    | LED/edge  | VB/L=4.2V | —    | —       | —    | mA    |
|                                  | LED/array | VB/L=4.2V | —    | 450     | —    | mA    |

REMARK

LCD option: STN, TN, FSTN

Backlight Option: LED, EL Backlight feature, other Specs not available on catalog is under request.