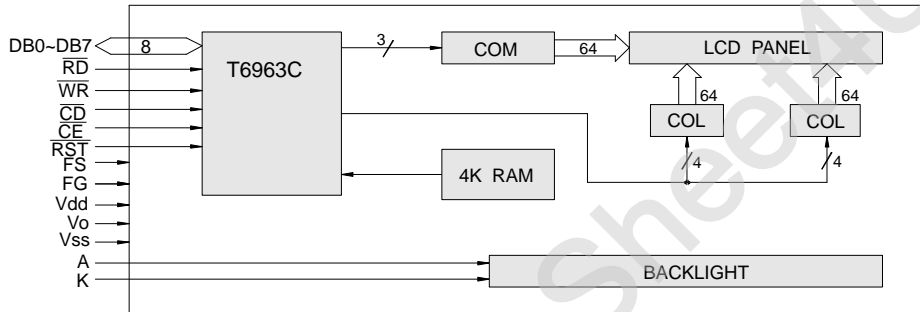
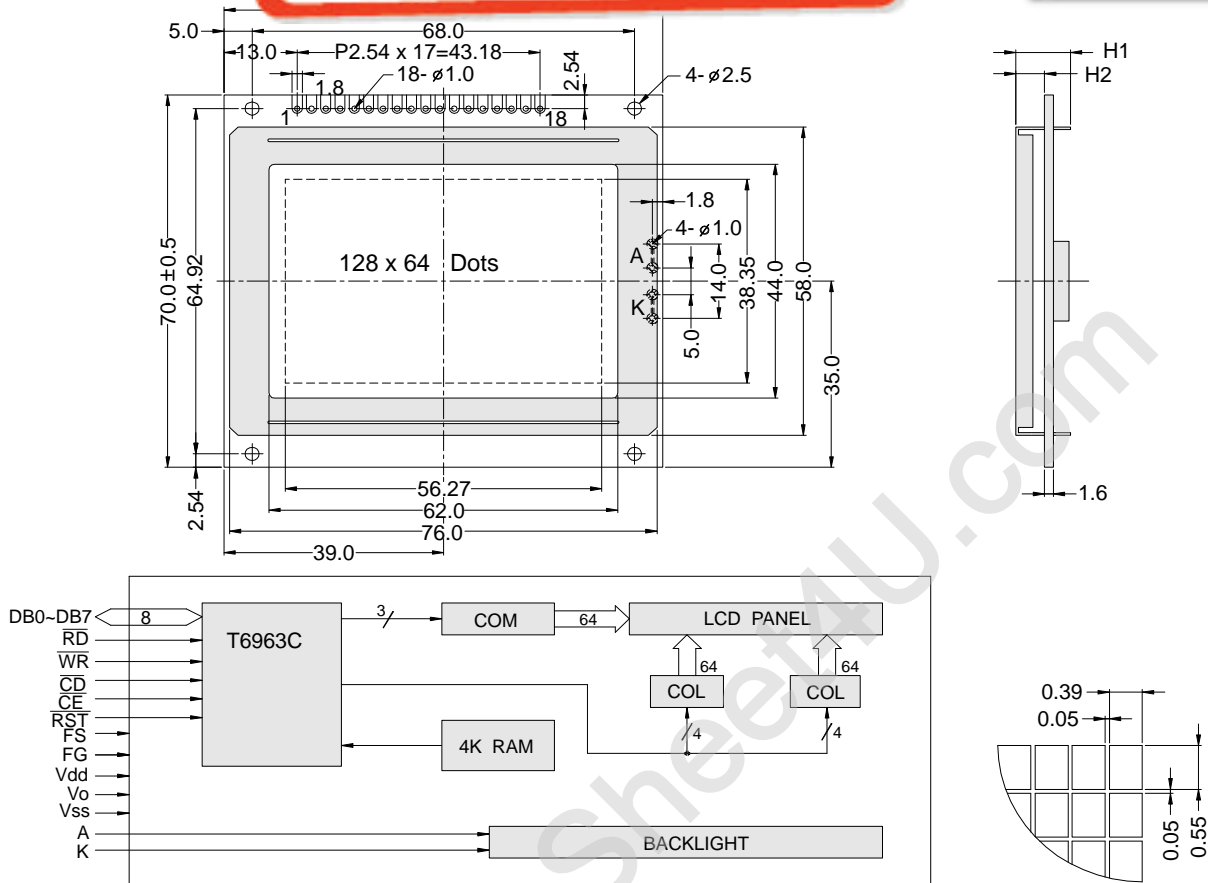


PG 12864-F

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



OUTLINE DIMENSION



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

MECHANICAL SPECIFICATION

|              |             |         |            |
|--------------|-------------|---------|------------|
| Overall Size | 78.0 x 70.0 | Module  | H2 / H1    |
| View Area    | 62.0 x 44.0 | W/O B/L | 5.1 / 9.7  |
| Dot Size     | 0.39 x 0.55 | EL B/L  | 5.1 / 5.7  |
| Dot Pitch    | 0.44 x 0.60 | LED B/L | 9.2 / 13.8 |

PIN ASSIGNMENT

| Pin no. | Symbol  | Function              |
|---------|---------|-----------------------|
| 1       | FG      | 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       | CD      | Command / data select |
| 9       | RST     | Reset                 |
| 10-17   | DB0-DB7 | Data bus line         |
| 18      | FS      | Font select           |

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     | V   |     |   |
|                                  |           | -20°C     | -    | 8.6     | -    | 9     | 9.5 | V   |   |
|                                  |           | 0°C       | 8.5  | -       | 8.9  | -     | 9.3 | V   |   |
|                                  |           | 25°C      | 8    | 8.6     | 8.4  | 9     | 8.8 | 9.5 | V |
|                                  |           | 50°C      | 7.6  | -       | 8    | -     | 8.4 | -   | V |
|                                  |           | 70°C      | -    | 8       | -    | 8.4   | -   | V   |   |
| LCM current consumption (No B/L) | Idd       | Vdd=5V    | -    | 6.5     | -    | mA    |     |     |   |
| Backlight current consumption    | LED/edge  | VB/L=4.2V | -    | -       | -    | mA    |     |     |   |
|                                  | LED/array | VB/L=4.2V | -    | 350     | -    | mA    |     |     |   |

REMARK

LCD option: STN, TN, FSTN

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

