

Feature

1. COG with SMT
2. 5.0 V single power supply (Typ.)
3. 5x7 dots with cursor
4. Built-in controller: Compatible with HD44780/ST7066U
5. Color: White/Yellow
6. Support MCU interfaces:
 - 4 / 8-bit 6800 series parallel interface (STD)
 - I²C interface (Option)
7. Operating temperatures: -40°C to 80°C
8. 4 sets of CGROM (hardware selectable)
 - ENGLISH/JAPANESE
 - ENGLISH/CYRILLIC
 - ENGLISH/EUROPEAN I
 - ENGLISH/EUROPEAN II



Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 85.0 x 36.0 | mm |
| Active Area | 56.22 x 11.52 | mm |
| Dot Size | 0.57 x 0.67 | mm |
| Character Size | 2.97 x 5.57 | mm |

Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|-------------------|--------|---------------------|---------------|------|
| Input Voltage | Vdd | Vdd=+5.0V | 5.0 | V |
| Supply Current | Idd | Vdd=+5.0V | 30.0 | mA |
| Life Time(White) | | 80cd/m ² | 70K | hrs |
| Life Time(Yellow) | | 80cd/m ² | 100K | hrs |

Pin Assignment

| Pin | Symbol | Level | Description |
|------|--------|-------|---|
| 1 | GND | 0V | Ground |
| 2 | VDD | 5.0V | Supply voltage for logic. |
| 3 | NC | - | - |
| 4 | RS | H/L | H: DATA, L: Instruction code |
| 5 | R/W | H/L | H: Read (MPU←Module) L: Write (MPU→Module) |
| 6 | E | H→L | Chip enable signal |
| 7~14 | DB0 | H/L | Data bit 0~7 |
| 15 | NC | - | - |
| 16 | NC | - | - |

Dimension

