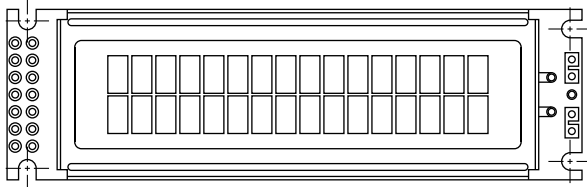


16 x 2 Character LCD



FEATURES

- Type: Character
- Display format: 16 x 2 characters
- Built-in controller: ST 7066 (or equivalent)
- Duty cycle: 1/16
- 5 x 8 dots includes cursor
- + 5 V power supply
- Optional: Smaller character size (2.95 mm x 4.35 mm)
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

| MECHANICAL DATA | | |
|------------------|----------------|------|
| ITEM | STANDARD VALUE | UNIT |
| Module Dimension | 85.0 x 25.2 | mm |
| Viewing Area | 66.0 x 16.0 | |
| Dot Size | 0.55 x 0.65 | |
| Dot Pitch | 0.60 x 0.70 | |
| Mounting Hole | 80.5 x 22.0 | |
| Character Size | 2.95 x 5.55 | |

| ABSOLUTE MAXIMUM RATINGS | | | | | |
|--------------------------|----------------------|----------------|------|----------|------|
| ITEM | SYMBOL | STANDARD VALUE | | | UNIT |
| | | MIN. | TYP. | MAX. | |
| Power Supply | V_{DD} to V_{SS} | - 0.3 | - | 7.0 | V |
| Input Voltage | V_I | - 0.3 | - | V_{DD} | |

Note

- $V_{SS} = 0\text{ V}$, $V_{DD} = 5.0\text{ V}$

| ELECTRICAL CHARACTERISTICS | | | | | | |
|--|-------------------|---------------------------------------|----------------|------|------|------|
| ITEM | SYMBOL | CONDITION | STANDARD VALUE | | | UNIT |
| | | | MIN. | TYP. | MAX. | |
| Input Voltage | V_{DD} | $V_{DD} = + 5\text{ V}$ | 4.7 | 5.0 | 5.3 | V |
| Supply Current | I_{DD} | $V_{DD} = + 5\text{ V}$ | - | 1.2 | 1.5 | mA |
| Recommended LC Driving Voltage for Normal Temperature Version Module | V_{DD} to V_0 | - 20 °C | - | - | 5.2 | V |
| | | 0 °C | - | - | 4.2 | |
| | | 25 °C | - | 3.8 | - | |
| | | 50 °C | 3.5 | - | - | |
| | | 70 °C | 3.2 | - | - | |
| LED Forward Voltage | V_F | 25 °C | - | 4.2 | 4.6 | V |
| LED Forward Current - Array | I_F | 25 °C | - | 100 | - | mA |
| LED Forward Current - Edge | | | - | 20 | 40 | |
| EL Power Supply Current | I_{EL} | $V_{EL} = 110\text{ V}_{AC}$, 400 Hz | - | - | 5.0 | mA |

| OPTIONS | | | | | | | | | |
|---------------|----------|------------|----------|----------|-----------|-----------|-----|----|------|
| PROCESS COLOR | | | | | | BACKLIGHT | | | |
| TN | STN Gray | STN Yellow | STN Blue | FSTN B&W | STN Color | None | LED | EL | CCFL |
| x | x | x | x | x | | x | x | x | |

For detailed information, please see the "Product Numbering System" document.



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