# SPECIFICATION Version: 0

| | |
|---|---|
| **CUSTOMER :** | |
| **MODULE NO. :** | **WEH1602L#HP3N00100-FC** |

| | |
|---|---|
| **APPROVED BY:** **( FOR CUSTOMER USE ONLY )** | |

| SALES BY | APPROVED BY | CHECKED BY | PREPARED BY |
|---|---|---|---|
| first FC components | | | |
| **RELEASE DATE:** | | | |

■APPROVAL FOR SPECIFICATIONS ONLY

□APPROVAL FOR SPECIFICATIONS AND SAMPLE

Represented by:

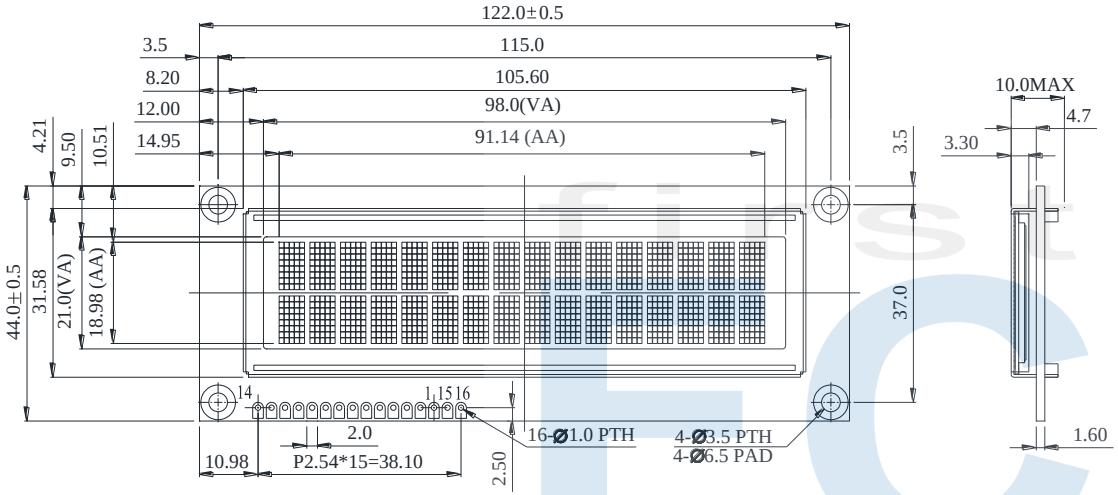
first FC components
**FIRST Components s.r.l.**
www.first-components.com
technical@first-components.com
+39 0332 1888005

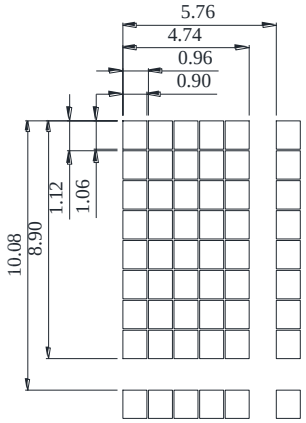
# 2.General Specification

| Item | Dimension | Unit |
|---|---|---|
| Number of Characters | 16 characters x 2 Lines | — |
| Module dimension | 122.0 x 44.0 x 10.0(MAX) | mm |
| View area | 98.0 x 21.0 | mm |
| Active area | 91.14 x 18.98 | mm |
| Dot size | 0.90 x 1.06 | mm |
| Dot pitch | 0.96 x 1.12 | mm |
| Character size | 4.74 x 8.9 | mm |
| Character pitch | 5.76 x 10.08 | mm |
| Panel type | OLED , Yellow | |
| Duty | 1/16 | |
| IC | WS0010-TX | |
| Interface | 6800 | |
| Size | 3.67 inch | |

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# 3. Contour Drawing & Block Diagram




DOT SIZE
SCALE 5/1

| PIN NO. | SYMBOL |
|---|---|
| 1 | Vss |
| 2 | Vdd |
| 3 | NC |
| 4 | RS |
| 5 | R/$\overline{W}$ |
| 6 | E |
| 7 | DB0 |
| 8 | DB1 |
| 9 | DB2 |
| 10 | DB3 |
| 11 | DB4 |
| 12 | DB5 |
| 13 | DB6 |
| 14 | DB7 |
| 15 | NC |
| 16 | NC |

The non-specified tolerance of dimension is ±0.3 mm .

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# 4.Interface Pin Function

| Pin No. | Symbol | Level | Description |
|---|---|---|---|
| 1 | VSS | 0V | Ground |
| 2 | VDD | 3.3V | Supply Voltage for logic |
| 3 | NC | — | No connection |
| 4 | RS | H/L | H: DATA, L: Instruction code |
| 5 | R/W | H/L | H: Read(Module→MPU) L: Write(MPU→Module) |
| 6 | E | H,H→L | Chip enable signal |
| 7 | DB0 | H/L | Data bit 0 |
| 8 | DB1 | H/L | Data bit 1 |
| 9 | DB2 | H/L | Data bit 2 |
| 10 | DB3 | H/L | Data bit 3 |
| 11 | DB4 | H/L | Data bit 4 |
| 12 | DB5 | H/L | Data bit 5 |
| 13 | DB6 | H/L | Data bit 6 |
| 14 | DB7 | H/L | Data bit 7 |
| 15 | NC | — | No connection |
| 16 | NC | — | No connection |

# 5.Absolute Maximum Ratings

| Item | Symbol | Min | Max | Unit | Notes |
|---|---|---|---|---|---|
| Operating Temperature | TOP | -40 | +80 | ℃ | |
| Storage Temperature | TST | -40 | +85 | ℃ | |
| Supply Voltage For Logic | VDD-VSS | -0.3 | 3.6 | V | |

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