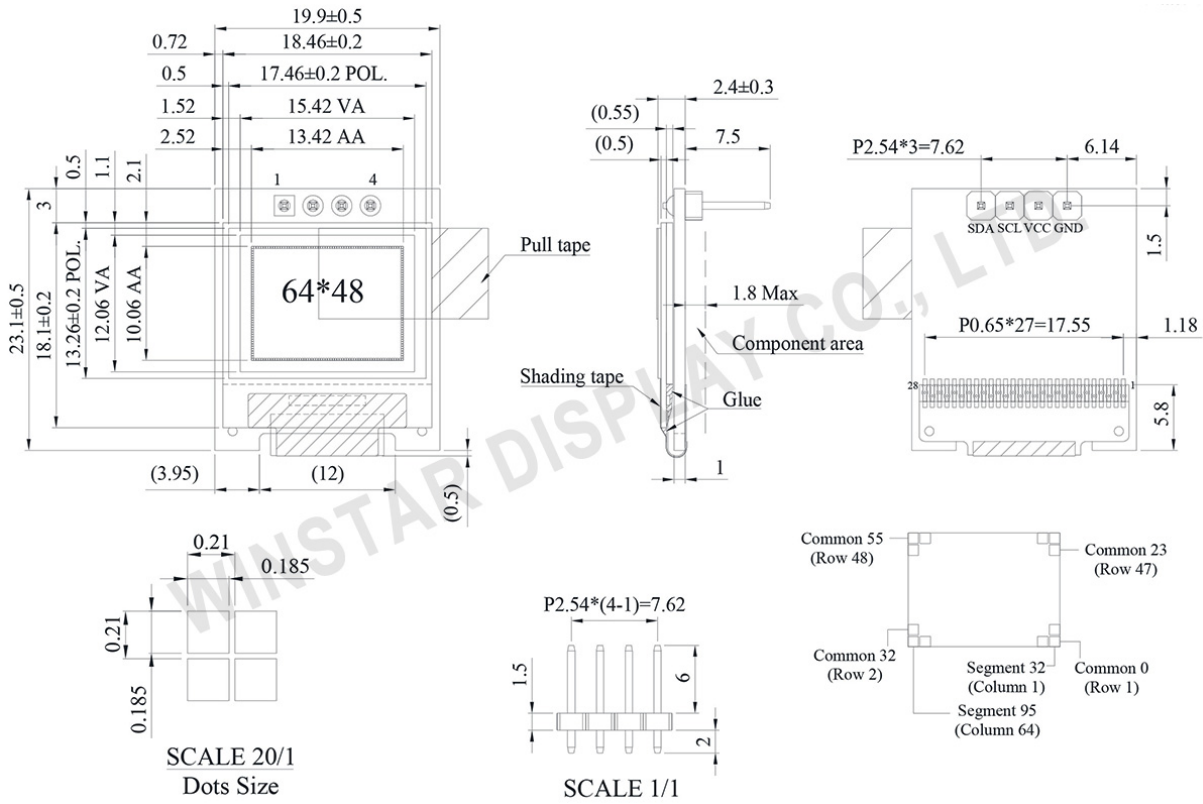


**DRAWING**



**SPECIFICATIONS**

**Interface Pin Function**

| No. | Symbol | Function  |
|-----|--------|---|
| 1   | GND    | Ground  |
| 2   | VCC    | Power supply input.   |
| 3   | SCL    | When the I2C interface is selected, then D0 serves as the serial clock input pad (SCL) and D1 serves as the serial data input pad (SDAI). |
| 4   | SDA    |   |

**Mechanical Data**

| Item             | Dimension         | Unit |
|------------------|-------------------|------|
| Dot Matrix       | 64 × 48 Dots      | —    |
| Module dimension | 19.9 × 23.1 × 2.4 | mm   |
| Active Area      | 13.42 × 10.06     | mm   |
| Pixel Size       | 0.185 × 0.185     | mm   |
| Pixel Pitch      | 0.210 × 0.210     | mm   |
| Display Mode     | Passive Matrix    |      |
| Display Color    | Monochrome        |      |
| Drive Duty       | 1/48 Duty         |      |
| IC               | SSD1306           |      |
| Interface        | I2C               |      |
| Size             | 0.66 inch         |      |

**Electronical Characteristics**

| Item                              | Symbol | Condition | Min     | Typ  | Max     | Unit |
|-----------------------------------|--------|-----------|---------|------|---------|------|
| Supply Voltage for Logic          | VDD    | —         | 2.8     | 3.0  | 3.3     | V    |
| Input High Volt.                  | VIH    | —         | 0.8×VDD | —    | VDDIO   | V    |
| Input Low Volt.                   | VIL    | —         | 0       | —    | 0.2×VDD | V    |
| Output High Volt.                 | VOH    | —         | 0.9×VDD | —    | VDDIO   | V    |
| Output Low Volt.                  | VOL    | —         | 0       | —    | 0.1×VDD | V    |
| 50% check Board operating Current | ICC    | VCC=7.5V  | —       | 12.0 | 20.0    | mA   |

**Absolute Maximum Ratings**

| Parameter                  | Symbol | Min | Max  | Unit |
|----------------------------|--------|-----|------|------|
| Supply Voltage for Logic   | VDD    | 0   | 4.0  | V    |
| Supply Voltage for Display | VCC    | 0   | 16.0 | V    |
| Operating Temperature      | TOP    | -40 | +80  | °C   |
| Storage Temperature        | TSTG   | -40 | +85  | °C   |