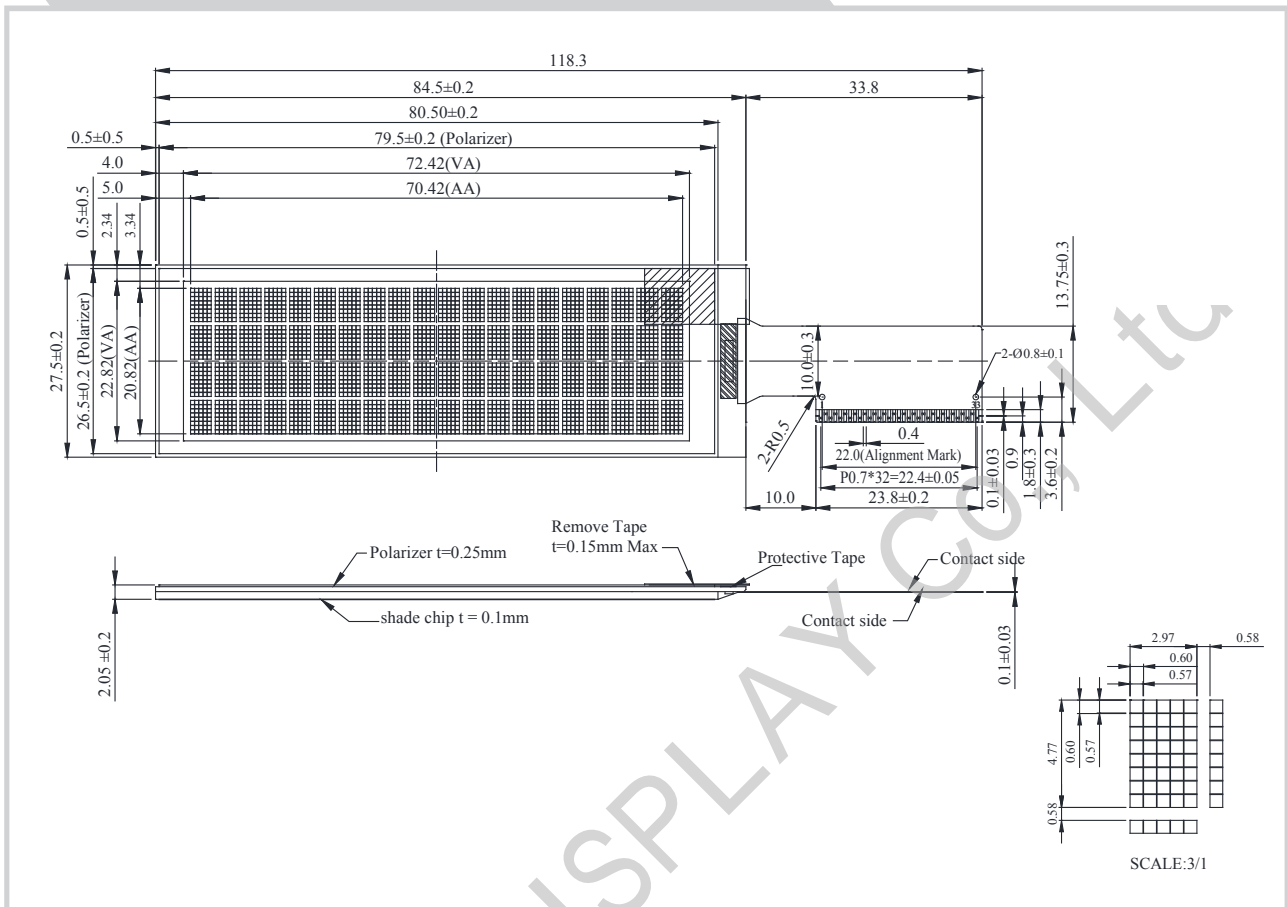


## WEO002004C OLED Character 20x4



### Feature

1. 20 characters x 4 Lines
2. Built-in controller SSD1311M1Z
3. +5V Power supply
4. 1/32 duty
5. Interface: 6800, 8080, SPI, I2C
6. Polarizer optional

| Pin No. | Symbol | Description                 |
|---------|--------|-----------------------------|
| 1,33    | NC     | Not Connected               |
| 2       | VSL    | SEG voltage refer Pin       |
| 3       | VSS    | Ground Pin                  |
| 4       | REGVDD | Internal VDD regulator      |
| 5       | SHLC   | COM Scan Direction          |
| 6       | SHLS   | SEG Scan Direction          |
| 7       | VDD    | Voltage for logic           |
| 8       | VDDIO  | Voltage for interface logic |
| 9       | BS0    | Interface Selection         |
| 10      | BS1    | Interface Selection         |
| 11      | BS2    | Interface Selection         |
| 12      | GPIO   | GPIO pin                    |
| 13      | CS#    | Chip Select Pin             |
| 14      | RES#   | Reset Signal Pin            |
| 15      | D/C#   | Data/Command Control Pin    |
| 16      | R/W#   | Read/Write Control          |
| 17      | E(RD#) | Chip Enable Signal          |
| 18~25   | D0~D7  | Data Bus                    |
| 26      | IREF   | SEG Current Refer Pin       |
| 27      | ROM0   | Character ROM selection     |
| 28      | ROM1   | Character ROM selection     |
| 29      | OPR0   | Character RAM selection     |
| 30      | OPR1   | Character RAM selection     |
| 31      | VCOMH  | COM deselected level        |
| 32      | VCC    | Panel driving voltage       |

### Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 84.5 x 27.5    | mm   |
| Viewing Area     | 72.42 x 22.82  | mm   |
| Active Area      | 70.42 x 20.82  | mm   |
| Dot Pitch        | 0.60 x 0.60    | mm   |
| Dot Size         | 0.57 x 0.57    | mm   |

### Electrical Characteristics

| Item          | Symbol | Condition | Standard Value |      |      | Unit |
|---------------|--------|-----------|----------------|------|------|------|
|               |        |           | min.           | typ. | max. |      |
| Input Voltage | VDD    | ---       | 4.8            | 5.0  | 5.3  | V    |