

### **Part number list**

VGM064032A6□□□

## Feature

- 1.Diagonal 0.49 inch
- 2.Built-in driver SSD1306BZ
- 3.Power supply : +2.8V & +12.0V
- 4.Built-in voltage booster
- 5.Interface: I2C
- 6.Temperature operating range: -40 ~70°C
- 7.Available color : White / Blue

## Pin Assignment

| Pin No. | Symbol | Description                   |
|---------|--------|-------------------------------|
| 1       | C2P    | Connect charge pump capacitor |
| 2       | C2N    | Connect charge pump capacitor |
| 3       | C1P    | Connect charge pump capacitor |
| 4       | C1N    | Connect charge pump capacitor |
| 5       | VBAT   | Power supply for booster      |
| 6       | NC     | No connection                 |
| 7       | VSS    | Ground                        |
| 8       | VDD    | Power supply for logic        |
| 9       | RES    | Reset signal                  |
| 10      | SCL    | Serial clock                  |
| 11      | SDA    | Serial data                   |
| 12      | IREF   | Segment current reference pin |
| 13      | VCOMH  | COM signal deselected voltage |
| 14      | VCC    | OLED driving voltage input    |

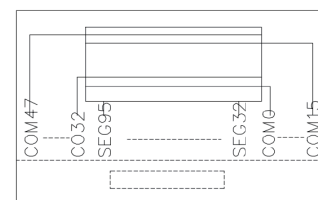
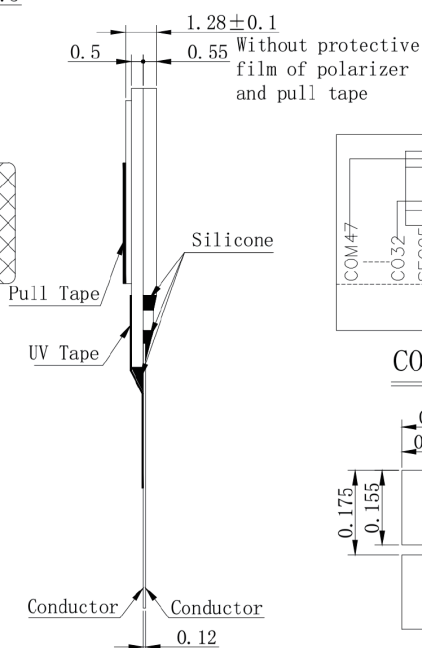
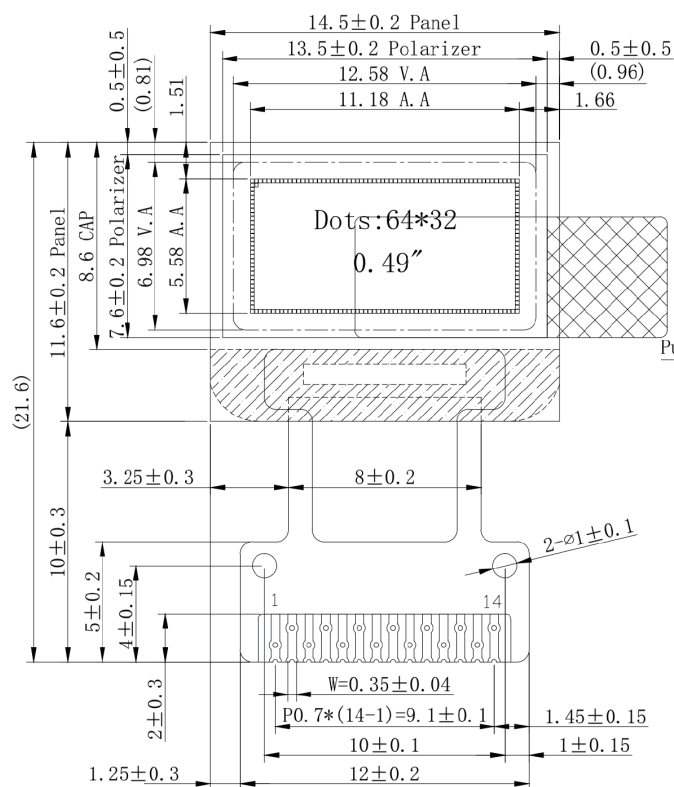
## Mechanical Data

| Item            | Standard Value | Unit |
|-----------------|----------------|------|
| Panel Dimension | 14.5 x 11.6    | mm   |
| Active Area     | 11.18 x 5.58   | mm   |
| Dot Pitch       | 0.175 x 0.175  | mm   |
| Dot Size        | 0.155 x 0.155  | mm   |

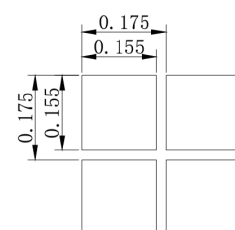
## Electrical Characteristics

| Item                 | Symbol | Standard Value | Unit |
|----------------------|--------|----------------|------|
|                      |        | typ.           |      |
| Logic Voltage        | VDD    | 2.8            | V    |
| OLED driving Voltage | VCC    | 12.0           | V    |

## Mechanical Drawing



COM&amp;SEG LAYOUT



Detail A (20:1)