

**Part number list**

VGM128064G3□□□

**Pin Assignment**

| Pin No. | Symbol | Description                      |
|---------|--------|----------------------------------|
| 1       | NC     | No connection                    |
| 2       | C1N    | Connect charge pump capacitor    |
| 3       | C1P    | Connect charge pump capacitor    |
| 4       | C2P    | Connect charge pump capacitor    |
| 5       | C2N    | Connect charge pump capacitor    |
| 6       | VDD2   | Power supply for DC/DC converter |
| 7       | NC     | No connection                    |
| 8       | VSS    | Ground                           |
| 9       | VDD1   | Power supply for logic           |
| 10      | NC     | No connection                    |
| 11      | IM1    | Interface selection pin          |
| 12      | IM2    | Interface selection pin          |
| 13      | CS     | Chip select signal               |
| 14      | RES    | Reset signal                     |
| 15      | A0     | Data/Command select signal       |
| 16      | WR     | Write enable signal              |
| 17      | RD     | Read enable signal               |
| 18~25   | D0~D7  | Data bus                         |
| 26      | IREF   | Segment current reference pin    |
| 27      | VCOMH  | COM signal deselected voltage    |
| 28      | VPP    | OLED driving voltage input       |
| 29      | NC     | No connection                    |
| 30      | NC     | No connection                    |

**Feature**

- 1.Diagonal 0.96 inch
- 2.Built-in driver SH1106C
- 3.Power supply : +3.0V & +7.4V
- 4.Built-in voltage booster
- 5.Interface: 8080 / 6800 / SPI / I2C
- 6.Temperature operating range: -40 ~70°C
- 7.Available color : White / Blue

**Mechanical Data**

| Item            | Standard Value | Unit |
|-----------------|----------------|------|
| Panel Dimension | 25.0 x 16.9    | mm   |
| Active Area     | 21.74 x 11.18  | mm   |
| Dot Pitch       | 0.17 x 0.175   | mm   |
| Dot Size        | 0.15 x 0.155   | mm   |

**Electrical Characteristics**

| Item                 | Symbol | Standard Value | Unit |
|----------------------|--------|----------------|------|
|                      |        | typ.           |      |
| Logic Voltage        | VDD1   | 3.0            | V    |
| OLED driving Voltage | VPP    | 7.4            | V    |

**Mechanical Drawing**