

### Part number list

SG240128E□□□-□□-□□-□

### Feature

- 1.No built-in controller
- 2.+3V / +5V single power supply
- 3.Built-in negative voltage
- 4.EL Backlight

### Pin Assignment

| Pin No. | Symbol   | Description                |
|---------|----------|----------------------------|
| 1       | VDD      | Power supply for logic     |
| 2       | FGND     | Frame Ground               |
| 3       | CL2      | Segment Shift Clock Signal |
| 4       | /DISPOFF | Display OFF                |
| 5       | FRM      | Frame Start Signal         |
| 6       | CL1      | Common Fata Shift Signal   |
| 7       | Vss      | Ground                     |
| 8       | NC       | No Connection              |
| 9~12    | DB0~DB3  | Data bus line              |
| 14      | Vo       | Contrast Adjustment        |
| 15      | Vss      | Ground                     |
| 16      | NC       | No Connection              |
| 17      | VEL      | Power Supply for EL(+)     |
| 18      | VELG     | Power Supply for EL(-)     |

### Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 118.0 x 60.0   | mm   |
| Active Area      | 76.77 x 40.93  | mm   |
| Dot Pitch        | 0.32 x 0.32    | mm   |
| Dot Size         | 0.29 x 0.29    | mm   |

### Electrical Characteristics

| Item  | Symbol | Standard Value | Unit |
|---|--------|----------------|------|
|   |        | typ.           |      |
| Input Voltage   | VDD    | 3 / 5          | V    |
| Recommended LCD Driving Voltage for Normal Temp. Version module @25°C | VDD-VO | 18.0           | V    |

### Mechanical Drawing

