

Part number list

WG12232E-□□□-□□#

BG12232D□□□□\$

Feature

1. Built-in controller SBN1661G or equivalent
2. No built-in oscillation (Need external clock)
3. +5V single power supply
4. 6800/8080 interface
5. (Option) +3V power supply with negative voltage

Pin Assignment

| Pin | Symbol | Function |
|-------|--------|--|
| 1 | Vss | GND |
| 2 | Vdd | + 5V(+3V option) |
| 3 | Vo | Contrast adjustment |
| 4 | Ao | H --> Data L --> Instruction |
| 5 | /CS1 | L --> Chip1 enable |
| 6 | /CS2 | L --> Chip 2 enable |
| 7 | CL | External clock 2KHZ |
| 8 | RD/E | RD for 80 serial; /E for 68 serial |
| 9 | WR,R/W | WR for 80 serial; R/W for 68 serial |
| 10~17 | DB0~7 | Data bus line |
| 18 | RES | L: 80 serial, H: 68 serial |
| 19 | A/Vee | Power supply for B/L (+)/ Negative voltage output |
| 20 | K | Power supply for B/L (GND) |

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 82.0 x 36.0 | mm |
| Active Area | 63.64 x 15.64 | mm |
| Dot Pitch | 0.44 x 0.49 | mm |
| Dot Size | 0.40 x 0.45 | mm |

Electrical Characteristics

| Item | Symbol | Standard Value | Unit |
|---|--------|----------------|------|
| | | typ. | |
| Input Voltage | VDD | 5.0 | V |
| Recommended LCD Driving Voltage for Normal Temp. Version module @25°C | VDD-VO | 4.8 | V |

Mechanical Drawing

