

### Part number list

BG12232D1□□□□\$

### Feature

1. Built-in controller SBN1661G or equivalent
2. Built-in oscillation
3. +5V single power supply
4. 6800 interface
5. (Option) +3V power supply with negative voltage

### Pin Assignment

| Pin   | Symbol | Function                                             |
|-------|--------|------------------------------------------------------|
| 1     | Vss    | GND                                                  |
| 2     | Vdd    | Power supply for logic                               |
| 3     | Vo     | Contrast adjustment                                  |
| 4     | Ao     | H --> Data L --> Instruction                         |
| 5     | E1     | Data latch for chip 1                                |
| 6     | E2     | Data latch for chip2                                 |
| 7     | NC     | No connection                                        |
| 8     | NC     | No connection                                        |
| 9     | R/W    | H:read , L:write                                     |
| 10~17 | DB0~7  | Data bus line                                        |
| 18    | /RES   | Reset signal                                         |
| 19    | A/Vee  | Power supply for B/L (+)/<br>Negative voltage output |
| 20    | K      | Power supply for B/L (GND)                           |

### Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 80.0 x 36.0    | mm   |
| Active Area      | 53.64 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    |

### Mechanical Drawing

