

### Part number list

WG12864EP2-□□□-□□#

### Feature

1. Built-in controller NT7108 or equivalent
2. Built-in oscillation and negative voltage
3. +5V single power supply
4. 6800 interface
5. (Option) +3V single power supply

### Pin Assignment

| Pin  | Symbol | Function                       |
|------|--------|--------------------------------|
| 1    | Vss    | Power supply GND               |
| 2    | Vdd    | +5V(+3V option)                |
| 3    | Vo     | Contrast adjustment            |
| 4    | D/I    | Data/ Instruction              |
| 5    | R/W    | Data read/write                |
| 6    | E      | Enable signal                  |
| 7~14 | DB0~7  | Data bus line                  |
| 15   | CS1    | Chip enable (segment 1 - 64)   |
| 16   | CS2    | Chip enable (segment 65 - 128) |
| 17   | /RST   | Reset signal                   |
| 18   | Vee    | Negative voltage output        |
| 19   | A      | Power supply for B/L (+)       |
| 20   | K      | Power supply for B/L (GND)     |

### Mechanical Data

| Item             | Standard Value  | Unit |
|------------------|-----------------|------|
| Module Dimension | 55.0 x 60.0     | mm   |
| Active Area      | 38.892 x 23.906 | mm   |
| Dot Pitch        | 0.304 x 0.374   | mm   |
| Dot Size         | 0.284 x 0.344   | 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 | 9.1            | V    |

### Mechanical Drawing

