# COB160128-05

## Graphic 160x128dots

## *Part number list*

WG160128C-□□□-□□#

## *Feature*

1.Bulit-in controller RA6963 or equivalent
2.Bulit-in oscillation
3.+5V single power supply
4. 8080 interface
5.Pin header
6.(Option) Bulit-in Nagative voltage
7.(Option) +3V single power supply

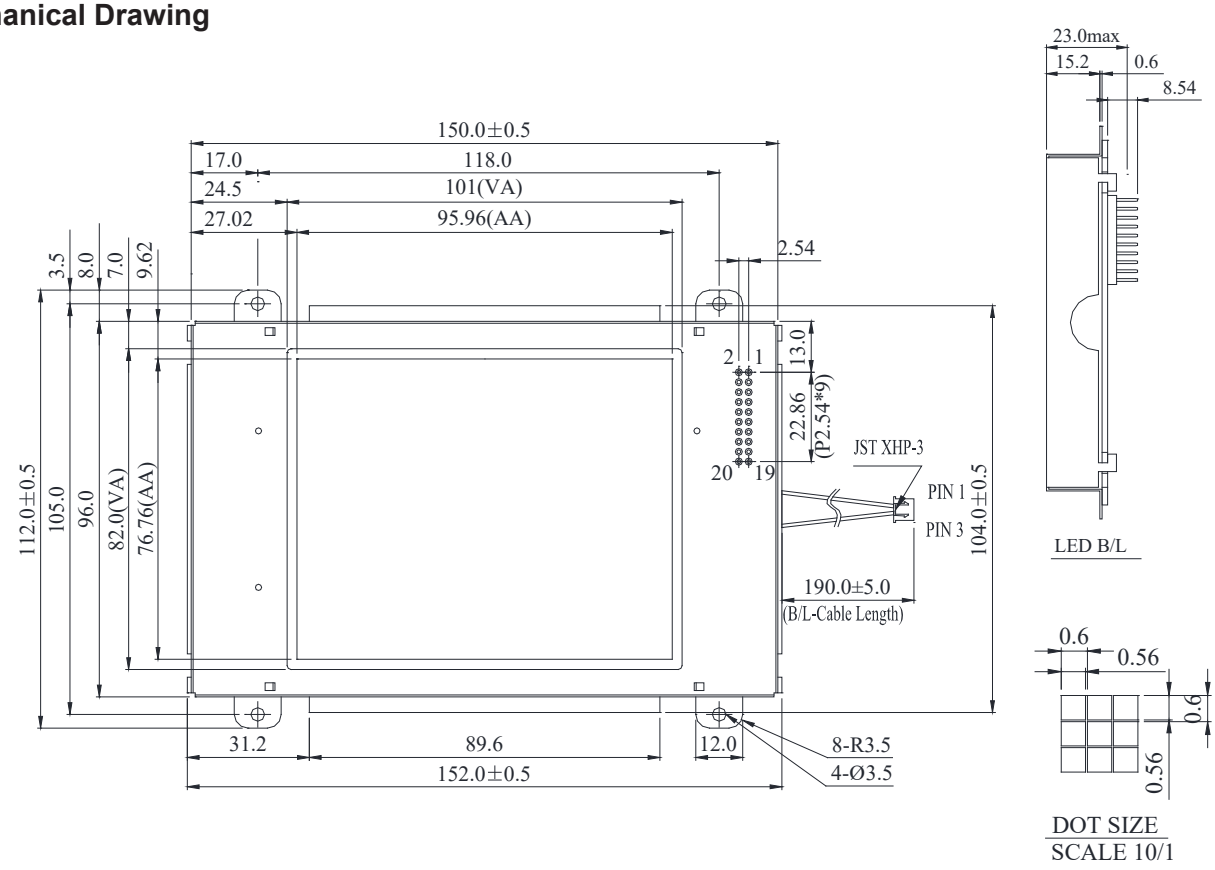
### Pin Assignment

| Pin No. | Symbol | Description |
|---|---|---|
| 1 | FG | Frame ground |
| 2 | Vss | Ground |
| 3 | Vdd | Power supply for logic |
| 4 | Vo | Contrast Adjustment |
| 5 | Vee | Negative Voltage Output |
| 6 | /WR | Data write. Write data into LCD Controller |
| 7 | /RD | Data read. Read data from LCD Controller |
| 8 | /CE | Enable signal |
| 9 | C/D | Data/ Instruction select signal |
| 10 | /HALT | Clock operating stop signal |
| 11 | /RESET | Controller reset signal, Active Low |
| 12 | DB0 | Data bus line |
| 13 | DB1 | Data bus line |
| 14 | DB2 | Data bus line |
| 15 | DB3 | Data bus line |
| 16 | DB4 | Data bus line |
| 17 | DB5 | Data bus line |
| 18 | DB6 | Data bus line |
| 19 | DB7 | Data bus line |
| 20 | NC | No connection |

### Mechanical Data

| Item | Standard Value | Unit |
|---|---|---|
| Module Dimension | 150.0 x 112.0 | mm |
| Active Area | 95.96 x 76.76 | mm |
| Dot Pitch | 0.60 x 0.60 | mm |
| Dot Size | 0.56 x 0.56 | mm |

### Electrical Characteristics

| Item | Symbol | Standard Value typ. | Unit |
|---|---|---|---|
| Input Voltage | VDD | 5.0 | V |
| Recommended LCD Driving Voltage for Normal Temp. Version module @25°C | VDD-VO | 19.0 | V |

### Mechanical Drawing