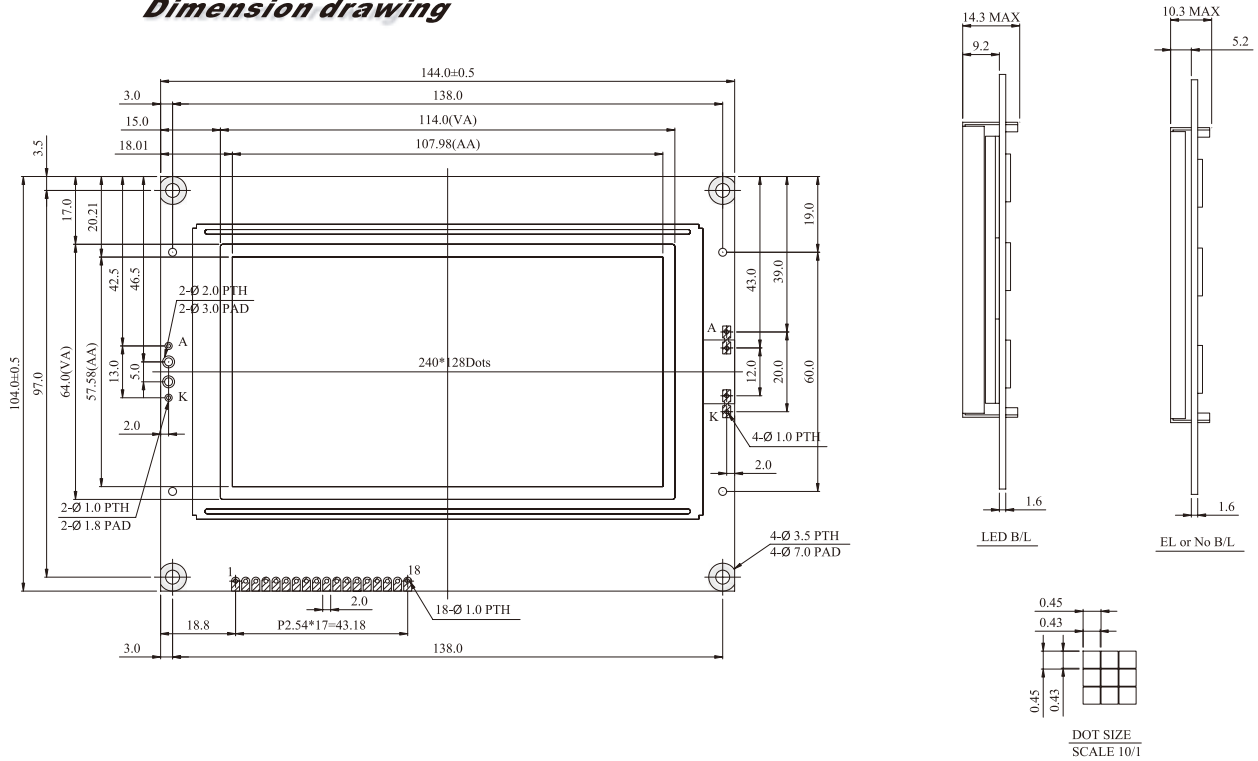


IG240128E Graphic 240x128dots

Dimension drawing



Feature

1. Built-in controller TOSHIBA(T6963C or equivalent)
2. +5V power supply
3. 1/128 duty cycle
4. Built-in N.V

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 144.0x104.0 | mm |
| Viewing Area | 114.0x64.0 | mm |
| Dot Size | 0.43x0.43 | mm |
| Dot pitch | 0.45x0.45 | mm |

Absolute Maximum Rating

| Item | Symbol | Standard Value | | | Unit |
|---------------|---------|----------------|------|------|------|
| | | min. | typ. | max. | |
| Power Supply | VDD-VSS | 4.75 | 5.0 | 5.25 | V |
| Input Voltage | VI | -0.3 | --- | VDD | V |

Note : VSS=0 Volt, VDD=5.0 Volt.

Electrical Characteristics

| Item | Symbol | Condition | Standard Value | | | Unit |
|--|--------|-----------|--------------------|------|--------------------|------------------|
| | | | min. | typ. | max. | |
| Input Voltage | VDD | L level | 0.7V _{DD} | --- | V _{DD} | V |
| | VIO | H level | --- | --- | 0.3V _{DD} | V |
| Supply Current | IDD | VDD=5V | 0 | 55 | 60 | mA |
| Recommended LC Driving Voltage for Normal Temp. Version module | VDD-V0 | 0°C | 20.3 | 21.4 | 22.5 | V |
| | | 25°C | 18.0 | 19.1 | 20.2 | |
| | | 50°C | 17.8 | 18.9 | 20.0 | |
| LED Forward Voltage | VF | 25°C | --- | 4.2 | --- | V |
| LED Forward Current | IF | 25°C | --- | 900 | 1800 | mA |
| | CCFL | 25°C | --- | 250 | 590 | V _{rms} |
| EL | IF | 25°C | --- | --- | 5.5 | mA |
| | --- | --- | --- | --- | 5.0 | mA |

Graphic type