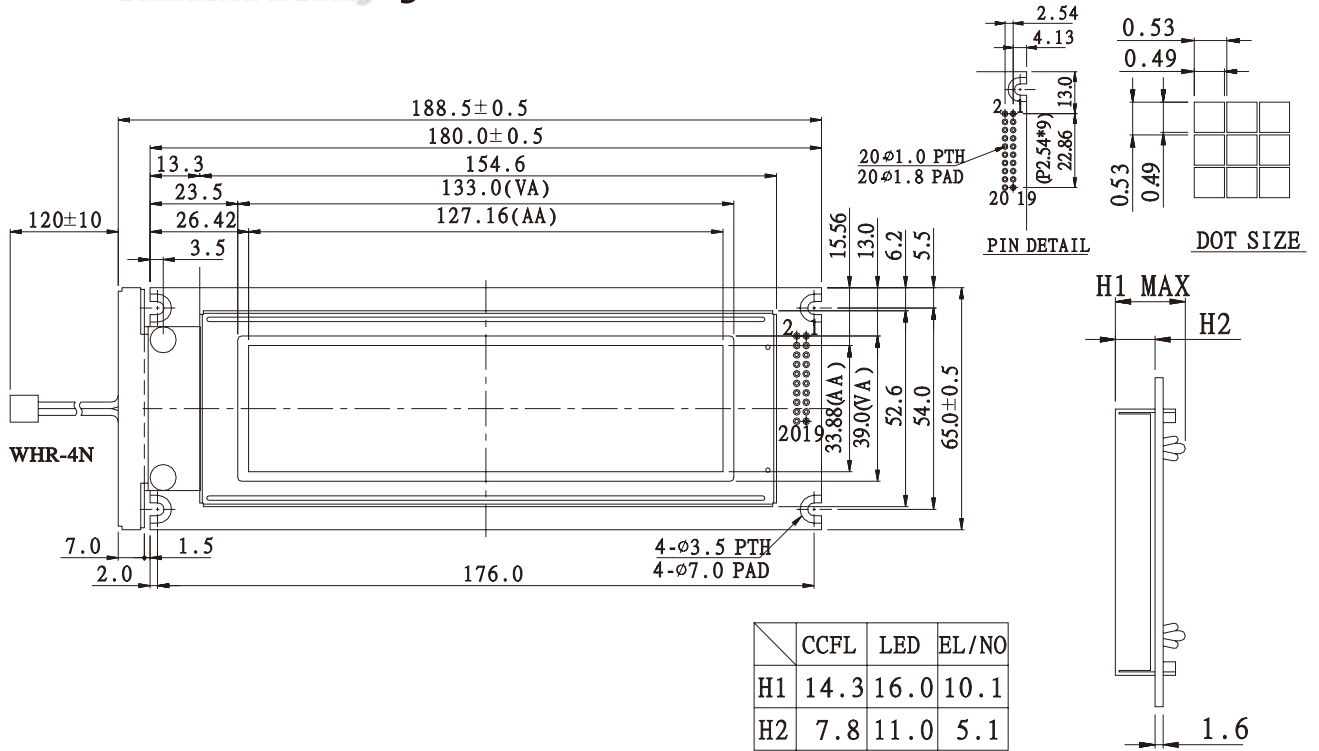


IG24064A Graphic 240x64dots

Dimension drawing



Feature

1. Built in controller TOSHIBA- (T6963C or equivalent)
2. +5V power supply
3. 1/64 duty cycle
4. Built-in N/V

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 180.0x65.0 | mm |
| Viewing Area | 133.0x39.0 | mm |
| Dot Size | 0.49x0.49 | mm |
| Dot pitch | 0.53x0.53 | mm |
| Mounting hole | 176.0 x 54.0 | 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.

Electronical 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 | --- | 0.3V _{DD} | V |
| Supply Current | IDD | VDD=+5V | --- | 18.5 | 21.0 | mA |
| Recommended LC Driving Voltage for Normal Temp. Version module | VDD-V0 | -20°C | 13.0 | 13.5 | 14.1 | V |
| | | 0°C | 12.5 | 13.1 | 13.7 | |
| | | 25°C | 12.1 | 12.7 | 13.3 | |
| | | 50°C | 11.1 | 12.2 | 13.0 | |
| LED Forward Voltage | VF | 25°C | --- | 4.2 | 4.6 | V |
| | | 25°C | --- | 450 | 900 | mA |
| LED Forward Current | IF | 25°C | --- | 215 | 650 | V _{rms} |
| | IF | 25°C | --- | --- | 5.0 | mA |
| EL | IEL | Vel=110VAC;400Hz | --- | --- | 5.0 | mA |

Graphic type