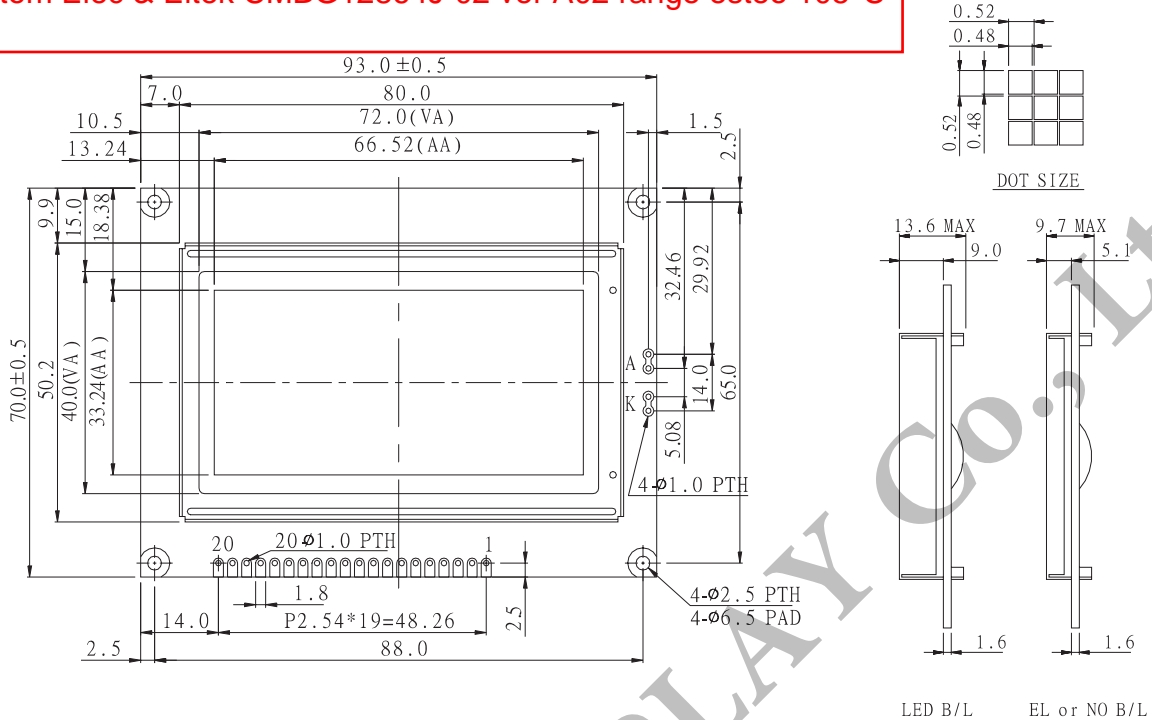




WG12864A Graphic 128x64dots

Prodotto corrispondente :
Custom Elec & Eltek CMBG12864J-02 ver A02 range esteo 105°C



Feature

1. Built-in controller (NT 7108 or Equivalent)
2. +5V power supply
3. 1/64 duty cycle
4. WG12864AB: N.V. option for +3.3V
5. WG12864A1: double-row interface

| Pin NO. | Symbol | Function |
|---------|--------|-----------------------------------|
| 1 | Vss | GND |
| 2 | Vdd | Power supply (+5V) |
| 3 | Vo | Contrast Adjustment |
| 4 | D/I | Data/Instruction |
| 5 | R/W | Data read/write |
| 6 | E | H→L Enable signal |
| 7 | DB0 | Data bus line |
| 8 | DB1 | Data bus line |
| 9 | DB2 | Data bus line |
| 10 | DB3 | Data bus line |
| 11 | DB4 | Data bus line |
| 12 | DB5 | Data bus line |
| 13 | DB6 | Data bus line |
| 14 | DB7 | Data bus line |
| 15 | CS1 | Chip select for IC1 |
| 16 | CS2 | Chip select for IC2 |
| 17 | RST | Reset |
| 18 | Vee | Negative voltage output |
| 19 | A | Power supply for LED+(4.2V) RA=0Ω |
| 20 | K | Power supply for LED (0V) |

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 93.0x70.0 | mm |
| Viewing Area | 72.0x40.0 | mm |
| Mounting hole | 88.0x65.0 | mm |
| Dot Pitch | 0.52x0.52 | 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 | 0.7VDD | --- | VDD | V |
| | VIO | H level | 0 | --- | 0.3VDD | V |
| Supply Current | IDD | VDD=5V | --- | 2.5 | 7.5 | m |
| Recommended LC Driving Voltage for Normal Temp. Version module | VDD-V0 | -20°C | 9.9 | 10.4 | 10.9 | V |
| | | 0°C | 9.7 | 10.2 | 10.7 | |
| | | 25°C | 8.9 | 9.4 | 9.9 | |
| | | 50°C | 8.6 | 9.1 | 9.6 | |
| | | 70°C | 8.4 | 8.9 | 9.4 | |
| LED Forward Voltage | VF | 25°C | --- | 4.2 | 4.6 | V |
| LED Forward Current | IF | 25°C Array Edge | --- | 330 | 660 | mA |
| | | --- | --- | 120 | 240 | |
| EL Power Supply Current | IEL | Vel=110VAC;400Hz | --- | --- | 5.0 | m |

Graphic type