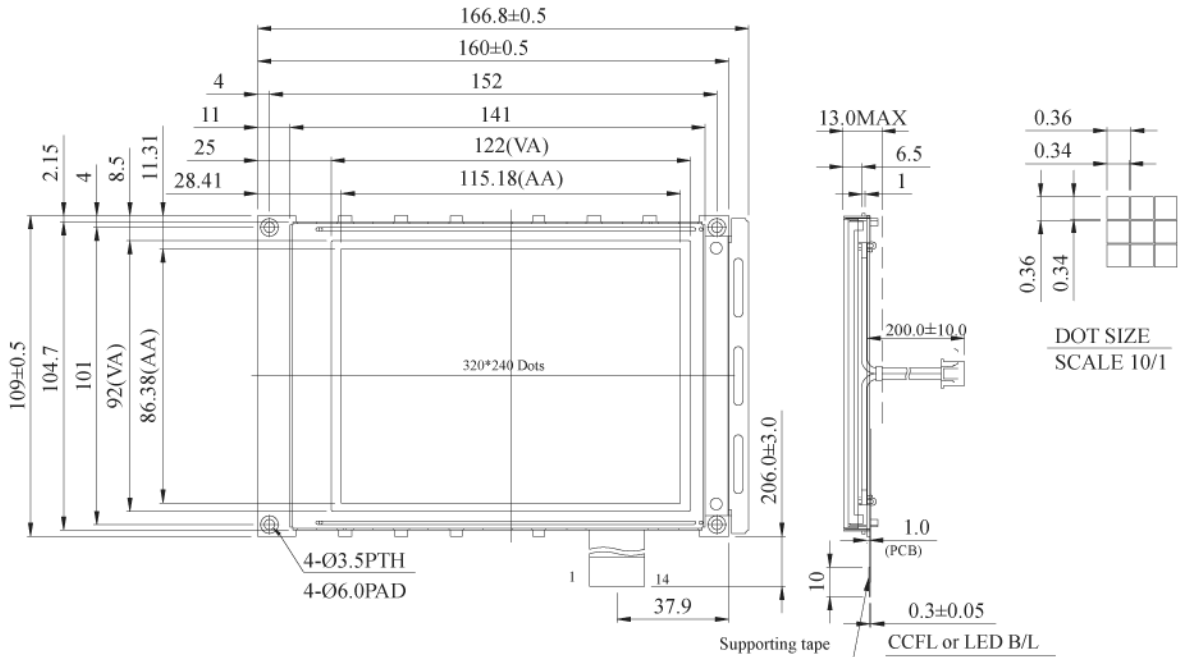


WG320240A Graphic 320x240dots

Dimension drawing



Feature

1. 320x240 dots
2. +5V power supply
3. 1/240 duty cycle
4. No controller
5. Touch screen option (analog type)

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 166.8x109.0 | mm |
| Viewing Area | 122.0x92.0 | mm |
| Mounting hole | 152.0x101.0 | mm |
| Dot Pitch | 0.36x0.36 | mm |

Graphic type

| Pin NO. | Symbol | Function |
|---------|---------|---|
| 1 | DB0 | Data bus line |
| 2 | DB1 | Data bus line |
| 3 | DB2 | Data bus line |
| 4 | DB3 | Data bus line |
| 5 | DISPOFF | H:ON L:OFF |
| 6 | FRAME | First line marker |
| 7 | M(NC) | Frame reverse signal (alternate signal) |
| 8 | LP | Data latch |
| 9 | CP | Data shift |
| 10 | Vdd | Power supply for LOGIC |
| 11 | Vss | GND |
| 12 | Vee | Power supply for LCD |
| 13 | Vo | Operating voltage LCD driving |
| 14 | FGND | Frame ground |

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 | --- | 2.7 | --- | 5.5 | V |
| Supply Current | IDD | VDD=5V | --- | 7.5 | --- | mA |
| Recommended LC Driving Voltage for Normal Temp. Version module | VDD-VO | -20°C | --- | --- | 26.1 | V |
| | | 25°C | --- | 23.8 | --- | |
| | | 70°C | 20.9 | --- | --- | |
| CCFL Starting Voltage | VFLS | 25°C | --- | 600 | --- | Vrms |
| CCFL Driving Voltage | VFLD | 25°C | --- | 268 | --- | Vrms |
| CCFL Driving Current | IFLD | VFQ=450Vrms 30KHZ | --- | 5.0 | --- | mA _{rms} |
| LED Forward Voltage | VF | 25°C | --- | 4.2 | 4.6 | V |
| LED Forward Current | IF | 25°C | --- | 180 | 360 | mA |
| EL Power Supply Current | IEF | Vel=110VAC,400Hz | --- | --- | 5.0 | mA |