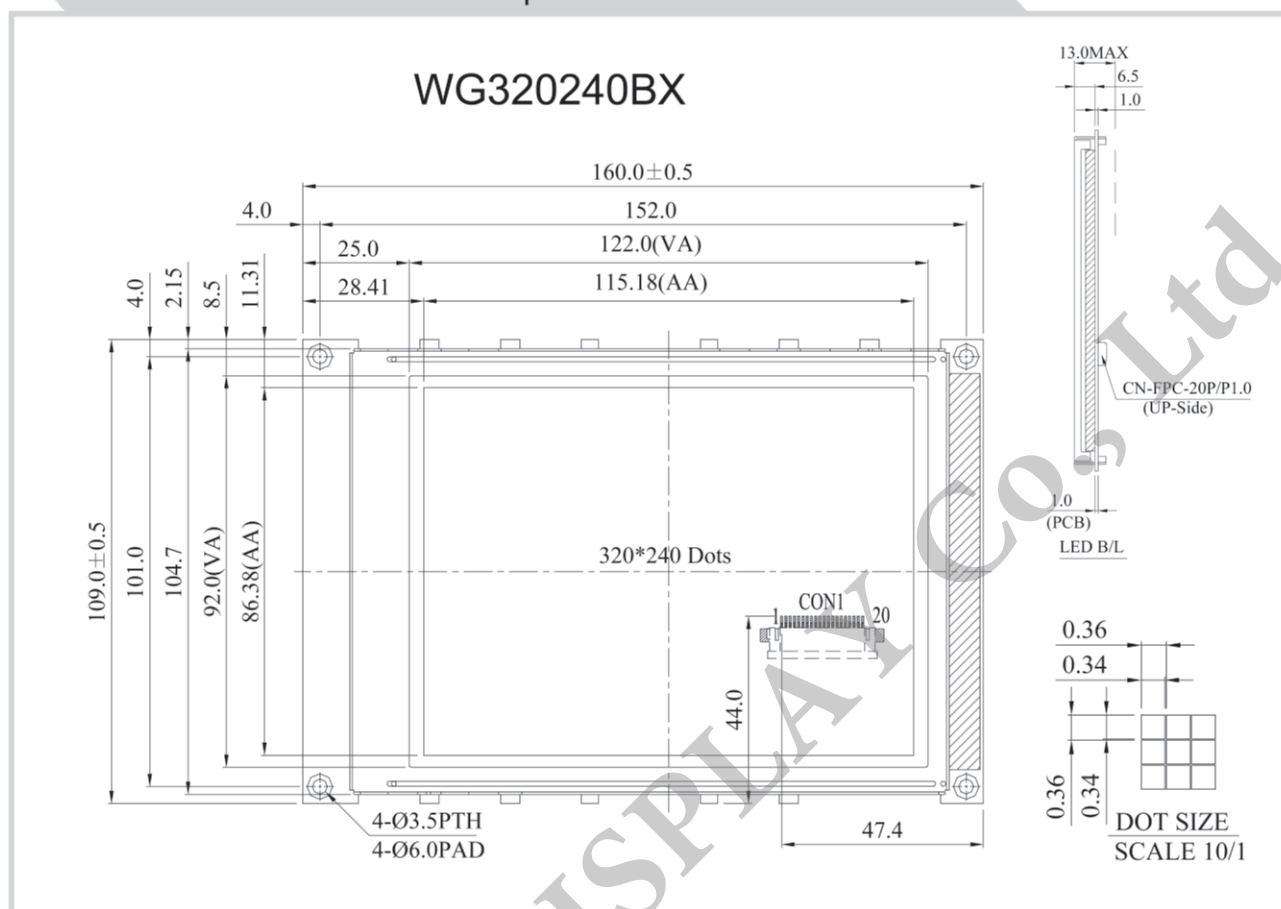


## WG320240BX/BP2/BP3 Graphic 320x240 dots



### Feature

1. Built-in controller S1D13700
2. Built-in Negative voltage generator
3. 1/240 duty cycle
4. Touch screen option (analog type)
5. Temperature compensation option
6. WG320240BX: ZIP Connector (CN-FPC), 20 pins
7. WG320240BP2: DIP Connection, 20 pins
8. WG320240BP3: with touch panel driver, 26 pins

| Pin No. | Symbol          | Description                                |
|---------|-----------------|--------------------------------------------|
| 1       | V <sub>SS</sub> | Ground                                     |
| 2       | V <sub>DD</sub> | Power supply for logic                     |
| 3       | V <sub>O</sub>  | Contrast Adjustment                        |
| 4       | A0              | Data/ Instruction select signal            |
| 5       | /WR             | Data write. Write data into LCD Controller |
| 6       | /RD             | Data read. Read data from LCD Controller   |
| 7~14    | DB0~DB7         | Data bus line                              |
| 15      | CS              | Chip select input pins                     |
| 16      | RES             | Controller reset signal, Active Low        |
| 17      | V <sub>EE</sub> | Negative Voltage Output                    |
| 18      | SEL             | Interface selection 6800/8080              |
| 19      | FG              | Frame ground                               |
| 20      | WAIT            | Check Busy                                 |

### Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 160.0 x 109.0  | mm   |
| Viewing Area     | 122.0 x 92.0   | mm   |
| Mounting Hole    | 152.0 x 101.0  | mm   |
| Dot Pitch        | 0.36 x 0.36    | mm   |
| Dot Size         | 0.34 x 0.34    | mm   |

### Electrical Characteristics

| Item                                                                  | Symbol | Standard Value | Unit |
|-----------------------------------------------------------------------|--------|----------------|------|
|                                                                       |        | typ.           |      |
| Input Voltage                                                         | VDD    | 5.0            | V    |
| Recommended LCD Driving Voltage for Normal Temp. Version module @25°C | VDD-VO | 23.6           | V    |