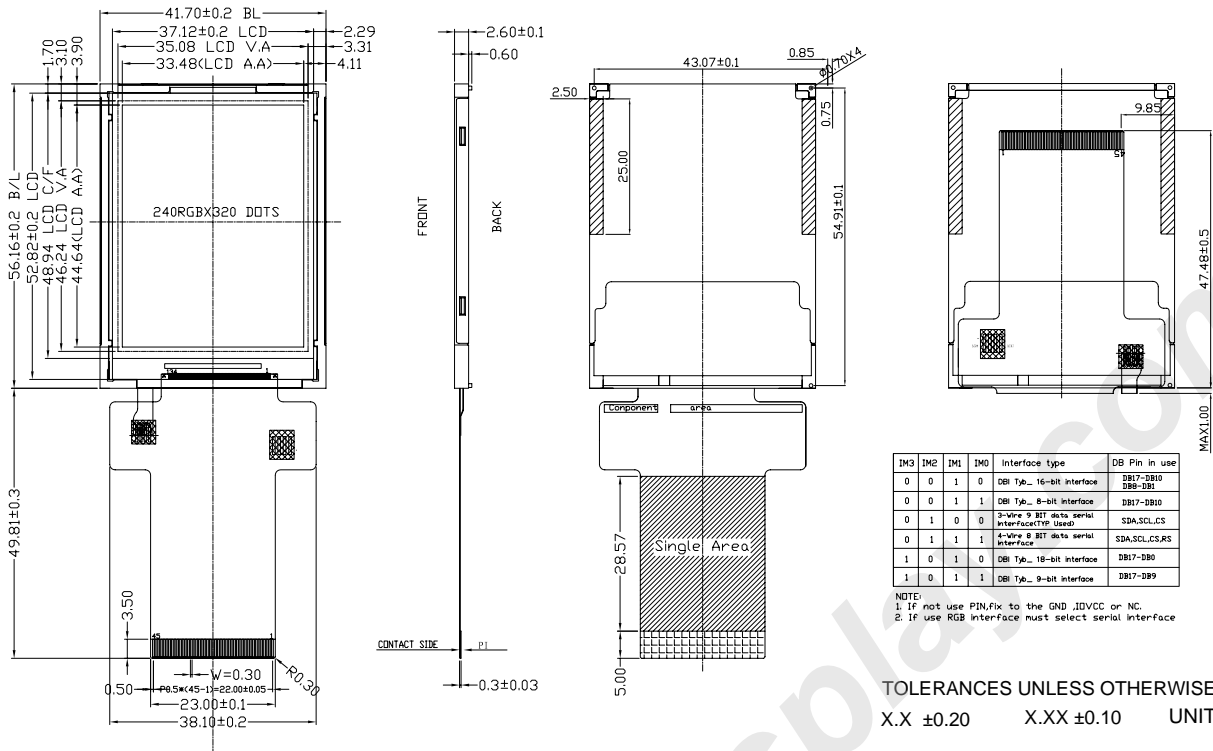


Dimension Drawing



Feature:

1. Resolution is 240 (RGB) x 320 Pixel
2. +3.3V power supply
3. Display Mode is TN, normally white
4. Display color is 65K colors
5. Input Interface is 8-bit or 16-bit MCU/ (SPI, RGB)
6. It could be matched resistive touch panel
7. ROHS compliant

Interface Pin Connections

| PIN NO. | Symbol | PIN NO. | Symbol |
|---------|-------------|---------|--------|
| 1 | GND | 24 | DB8 |
| 2 | NC or TP-XR | 25 | DB7 |
| 3 | NC or TP-YD | 26 | DB6 |
| 4 | NC or TP-XL | 27 | DB5 |
| 5 | NC or TP-YU | 28 | DB4 |
| 6 | IMO | 29 | DB3 |
| 7 | NC | 30 | DB2 |
| 8 | NC | 31 | DB1 |
| 9 | NC | 32 | NC |
| 10 | RESET | 33 | NC |
| 11 | NC | 34 | NC |
| 12 | NC | 35 | RD |
| 13 | NC | 36 | WR |
| 14 | NC | 37 | RS |
| 15 | DB17 | 38 | CS |
| 16 | DB16 | 39 | VDD |
| 17 | DB15 | 40 | VDD |
| 18 | DB14 | 41 | LEDK |
| 19 | DB13 | 42 | LEDA1 |
| 20 | DB12 | 43 | LEDA2 |
| 21 | DB11 | 44 | LEDA3 |
| 22 | DB10 | 45 | GND |
| 23 | NC | | |

Mechanical Data

| Item | Standard | Unit |
|------------------|--------------------|--------|
| Module dimension | 41.7 x 56.16 x 2.6 | mm |
| Active area | 33.48 x 44.64 | mm |
| Dots size | 0.128 x 0.128 | mm |
| Screen size | 2.2 (Diagonal) | inches |

Absolute Maximum Rating

| Item | Symbol | Standard | | | Unit |
|------------------------|---------|----------|-----|-----|------|
| | | Min | Typ | Max | |
| Supply voltage | VDD-VSS | -0.3 | --- | 4.6 | V |
| Supply Voltage (Logic) | VDDI | -0.3 | --- | 4.6 | |

Electrical Characteristics

| Item | Symbol | Condition | Standard | | | Unit |
|---------------------|--------|--------------------|----------|------|------|-------------------|
| | | | Min | Typ | Max | |
| Input voltage | VCC | +3.0V | 2.4 | 2.75 | 3.3 | V |
| Viewing angle | θL | 9 o'clock | 60 | 70 | ---- | degree |
| | θR | 3 o'clock | 60 | 70 | ---- | degree |
| | θU | 12 o'clock | 60 | 70 | ---- | degree |
| | θD | 6 o'clock | 45 | 50 | ---- | degree |
| Contrast ratio | CR | Best viewing angle | 400 | 500 | ---- | ---- |
| White luminance | ΔL | θ=Φ=0° | 200 | 250 | ---- | cd/m ² |
| LED forward voltage | VF | 25°C | ---- | 3.1 | 3.3 | V |
| LED forward current | IF | 25°C Edge | ---- | 60 | 70 | mA |
| Storage temp. | TOP | ---- | -20 | ---- | 80 | °C |
| Operation temp. | TST | ---- | -30 | ---- | 90 | °C |