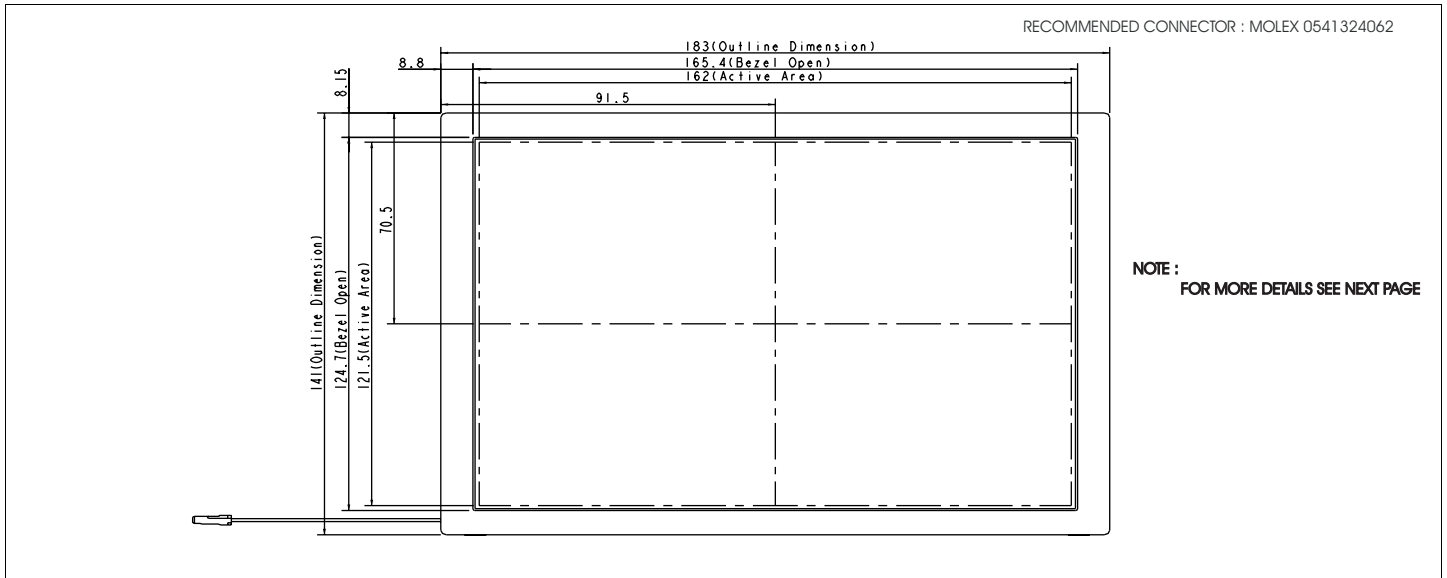


HDA800S-C

Dimensional Drawing

8" ,SVGA (800 X600) , TFT Color Graphics ,White LED Backlight



Features

- Viewing Angle(H/V).....130/110 degrees
- High Contrast.....500:1
- Fast Response Time.....25 msec
- Built-in Controller.....none

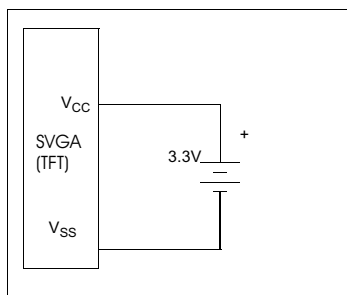
Physical Data

- Module Size.....183W x141H x8.85T mm
- Viewing Area Size.....162W x121.5 H mm
- Dot Pitch.....0.205W x 0.205H mm
- Weight.....TBA

Electrical Characteristics (VCC=3.3±0.125V 25°C)

| PARAMETER | SYM | CONDITION | MIN | TYP | MAX | UNIT |
|-----------------------|------------------|------------------------|---------------------|-----|---------------------|-------------------|
| OPERATING VOLTAGE | V _{CC} | - | 3.0 | 3.6 | 3.6 | V |
| OPERATING VOLTAGE | V _{LED} | - | 4.5 | 5.0 | 5.5 | V |
| INPUT HIGH VOLTAGE | V _{IH} | - | 0.7*V _{CC} | - | V _{CC} | V |
| INPUT LOW VOLTAGE | V _{IL} | - | 0 | - | 0.3*V _{CC} | V |
| OPERATING CURRENT | I _{CC} | V _{CC} = 3.3V | - | 150 | 200 | mA |
| OPERATING CURRENT LED | I _{LED} | - | - | TBA | - | mA |
| POWER CONSUMPTION | P | Logic only | - | 0.5 | - | W |
| BRIGHTNESS | L | Average | 200 | 250 | - | cd/m ² |

Power Supply



Pin Connections

| PIN NO. | SYMBOL | | FUNCTION |
|---------|--------|-----|--|
| 1 | Vss | - | Power Ground |
| 2 | Vss | - | Power Ground |
| 3 | ADJ | - | LED Brightness Adjustment |
| 4 | VLED | - | Power Supply for LED (Vled = 5.0V, 5%) |
| 5 | VLED | - | Power Supply for LED (Vled = 5.0V, 5%) |
| 6 | VLED | - | Power Supply for LED (Vled = 5.0V, 5%) |
| 7 | Vcc | - | Power Supply |
| 8 | Vcc | - | Power Supply |
| 9 | DE | L | Data Enable |
| 10 | Vss | - | Power Ground |
| 11 | Vss | - | Power Ground |
| 12 | Vss | - | Power Ground |
| 13-15 | B5-B3 | H/L | Blue Data 5-3 |
| 16 | Vss | - | Power Ground |
| 17-19 | B2-B0 | H/L | Blue Data 2-0 |
| 20 | Vss | - | Power Ground |
| 21-23 | G5-G3 | H/L | Green Data 5-3 |
| 24 | Vss | - | Power Ground |
| 25-27 | G2-G0 | H/L | Green Data 2-0 |
| 28 | Vss | - | Power Ground |
| 29-31 | R5-R3 | H/L | Red Data 5-3 |
| 32 | Vss | - | Power Ground |
| 33-35 | R2-R0 | H/L | Red Data 2-0 |
| 36 | Vss | - | Power Ground |
| 37 | NC | - | No Connect |
| 38 | DCLK | H/L | Data Clock |
| 39 | NC | - | No Connect |
| 40 | NC | - | No Connect |

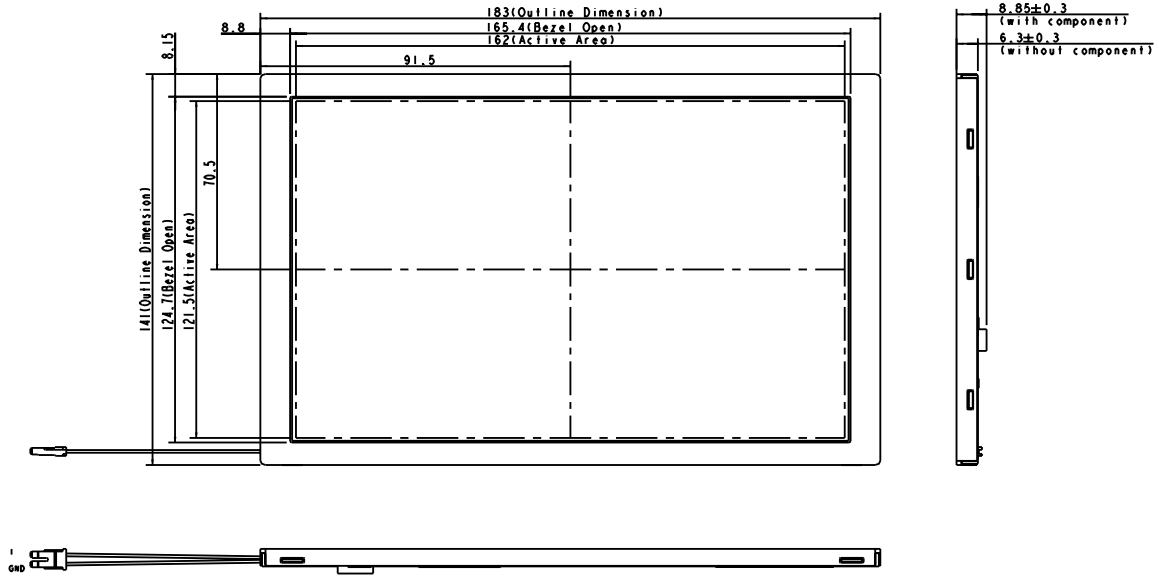
Absolute Maximum Ratings

| PARAMETER | SYMBOL | MIN | MAX | UNIT |
|-----------------------|------------------|------|-----------------------|------|
| SUPPLY VOLTAGE | V _{CC} | -0.3 | 4.0 | V |
| INPUT VOLTAGE | V _{IN} | -0.3 | V _{CC} + 0.3 | V |
| OPERATING TEMPERATURE | T _{OP} | -30 | +85 | °C |
| STORAGE TEMPERATURE | T _{STG} | -40 | +95 | °C |

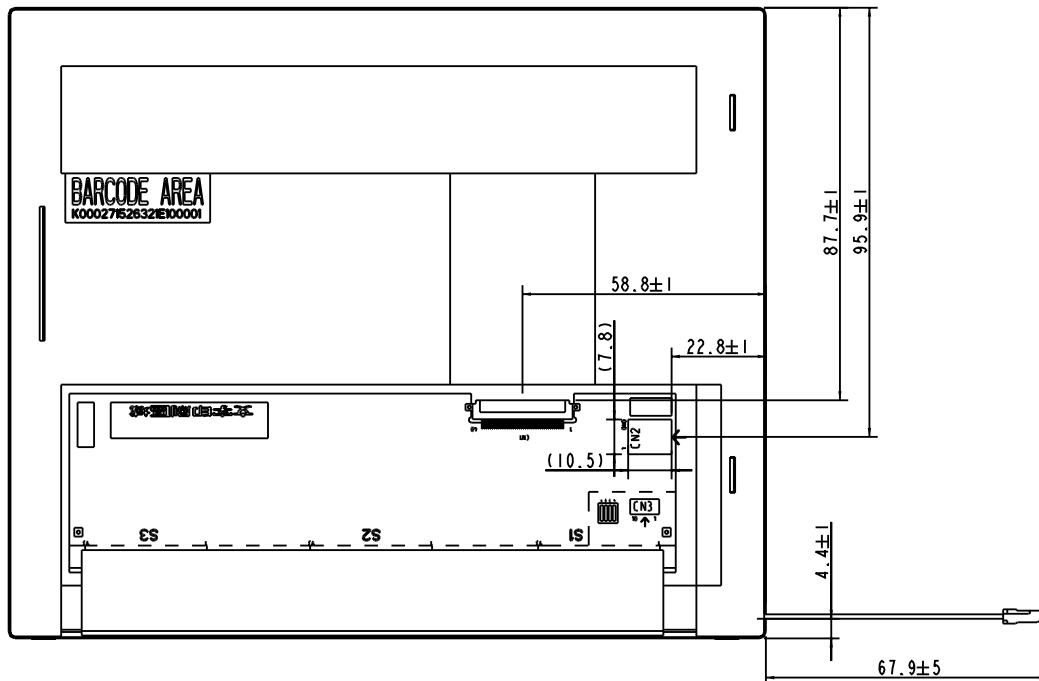
7. MECHANICAL DIMENSION

7.1 Front Side

[Unit : mm]



7.2 Rear Side



NOTE:
1.UNDEFINED TOLERANCE TO BE: ±0.3mm