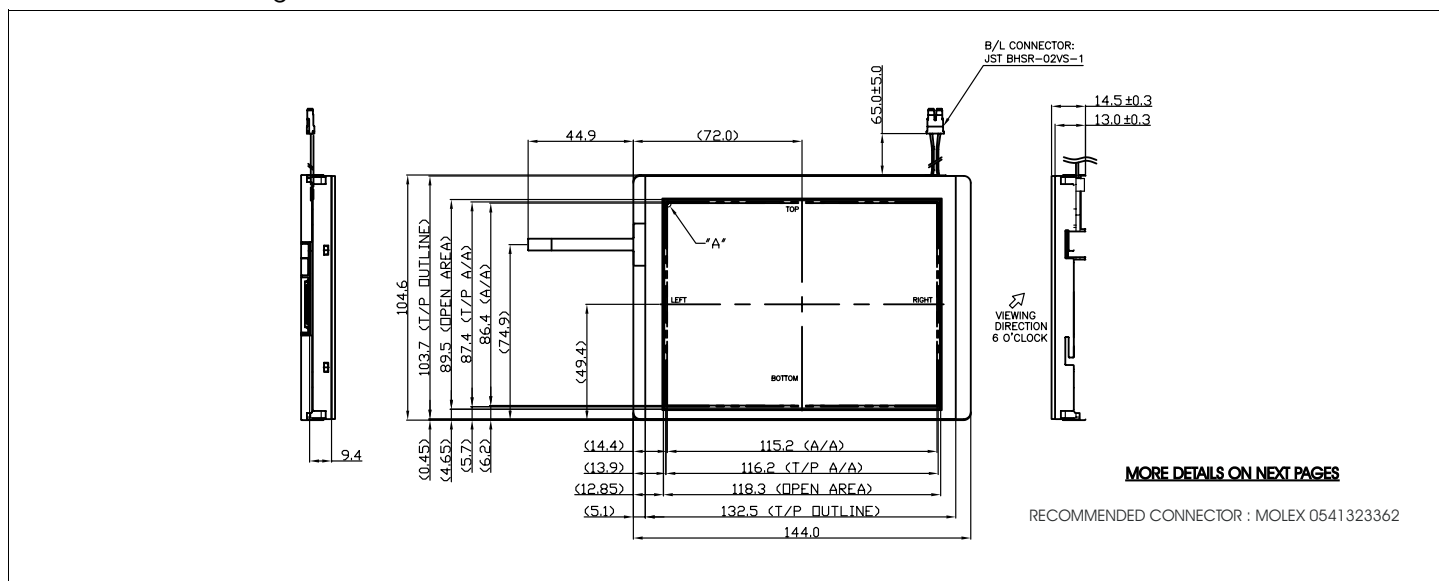


# HDA570V-V

## Dimensional Drawing

5.7", VGA, TFT, Transmissive Color, White LED Backlight



### Features

Viewing Angle(H/V).....120/105 degrees  
 High Contrast.....400:1  
 Fast Response Time.....45 msec  
 Built-in DC-DC Converter  
 Built-in Controller.....none  
 Touch Screen .....optional

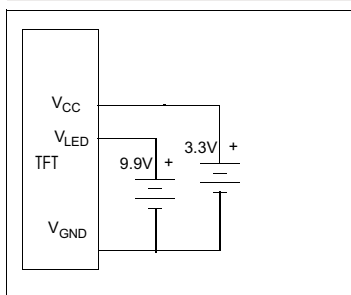
### Electrical Characteristics (VCC=3.3±0.125V 25°C)

| PARAMETER             | SYM               | CONDITION               | MIN                | TYP | MAX                | UNIT              |
|-----------------------|-------------------|-------------------------|--------------------|-----|--------------------|-------------------|
| OPERATING VOLTAGE     | V <sub>CC</sub>   | -                       | 3.0                | 3.3 | 3.6                | V                 |
| INPUT HIGH VOLTAGE    | V <sub>IH</sub>   | -                       | 0.7V <sub>DD</sub> | -   | V <sub>DD</sub>    | V                 |
| INPUT LOW VOLTAGE     | V <sub>IL</sub>   | -                       | 0                  | -   | 0.3V <sub>DD</sub> | V                 |
| OPERATING CURRENT     | I <sub>CC</sub>   | -                       | -                  | TBA | -                  | mA                |
| LED OPERATING VOLTAGE | V <sub>LED</sub>  | I <sub>F</sub> = 140 mA | -                  | 9.9 | -                  | V                 |
| OPERATING CURRENT     | I <sub>FLED</sub> | -                       | -                  | 140 | -                  | mA                |
| POWER CONSUMPTION     | P <sub>D</sub>    | -                       | -                  | TBA | -                  | W                 |
| BRIGHTNESS            | L                 | Average                 | 280                | 340 | -                  | cd/m <sup>2</sup> |

### Physical Data

Module Size.....144.0W x 104.6H x 13.0T mm  
 Viewing Area Size.....115.2W x 86.4H mm  
 Dot Pitch.....0.060W x 0.180H mm  
 Weight.....216g

### Power Supply



### Absolute Maximum Ratings

| PARAMETER                | SYMBOL           | MIN  | MAX                   | UNIT |
|--------------------------|------------------|------|-----------------------|------|
| SUPPLY VOLTAGE           | V <sub>CC</sub>  | -0.3 | 4.3                   | V    |
| BACKLIGHT CURRENT (LED ) | I <sub>LED</sub> | -    | 175                   | mA   |
| BACKLIGHT VOLTAGE (LED ) | V <sub>LED</sub> | -    | 15                    | V    |
| INPUT VOLTAGE            | V <sub>IN</sub>  | -0.3 | V <sub>DD</sub> + 0.3 | V    |
| OPERATING TEMPERATURE    | T <sub>OP</sub>  | -20  | 70                    | °C   |
| STORAGE TEMPERATURE      | T <sub>STG</sub> | -30  | 80                    | °C   |

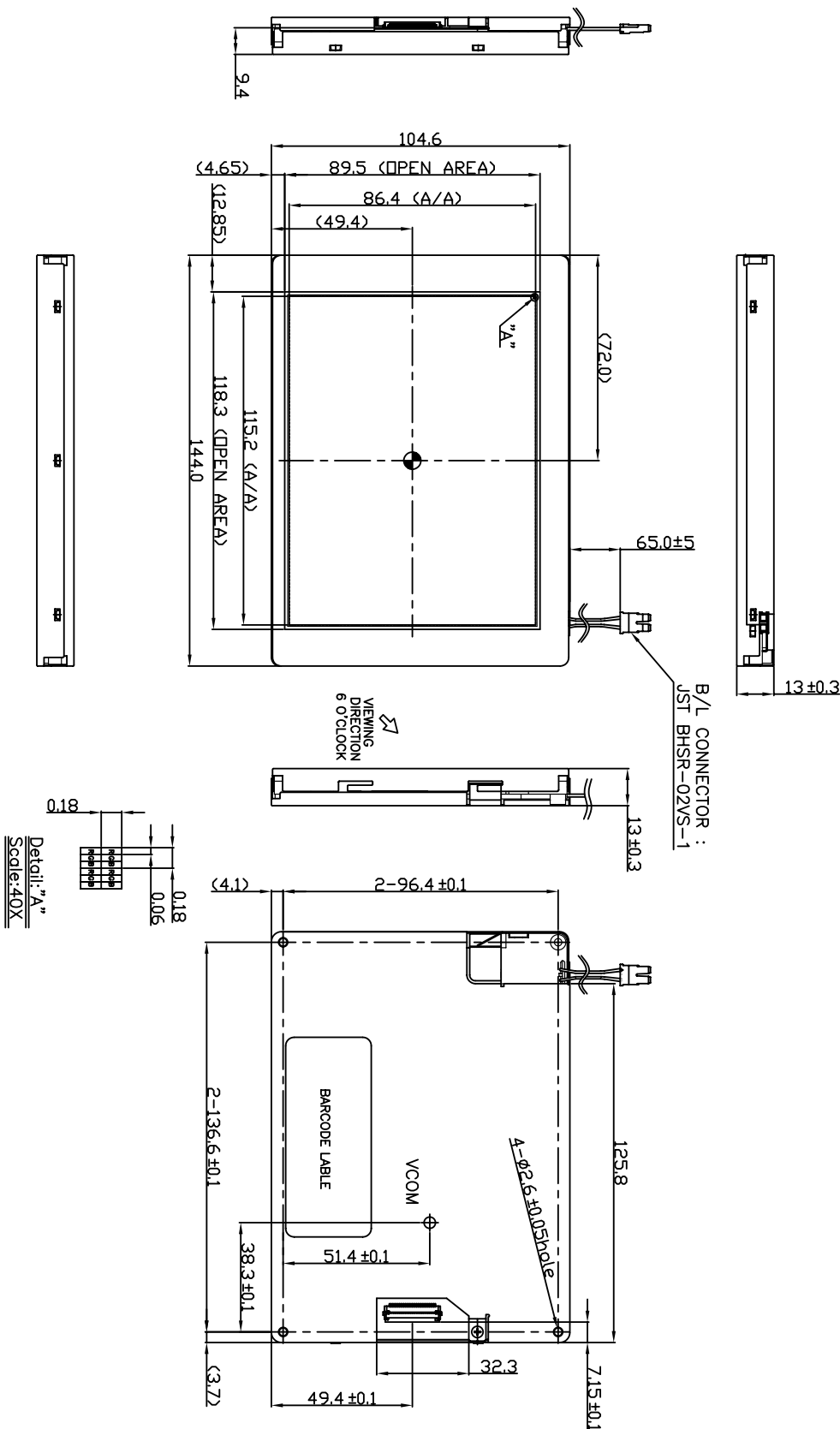
### Pin Connections

| PIN NO | SYMBOL | FUNCTION                |
|--------|--------|-------------------------|
| 1      | VSS    | Ground Pin              |
| 2      | CLK    | Data Sampling Clock     |
| 3      | Hsync  | Horizontal Sync         |
| 4      | Vsync  | Vertical Sync           |
| 5      | VSS    | Ground Pin              |
| 6      | R0     | Red Data Signal (LSB)   |
| 7      | R1     | Red Data Signal         |
| 8      | R2     | Red Data Signal         |
| 9      | R3     | Red Data Signal         |
| 10     | R4     | Red Data Signal         |
| 11     | R5     | Red Data Signal (MSB)   |
| 12     | VSS    | Ground Pin              |
| 13     | G0     | Green Data Signal (LSB) |
| 14     | G1     | Green Data Signal       |
| 15     | G2     | Green Data Signal       |
| 16     | G3     | Green Data Signal       |
| 17     | G4     | Green Data Signal       |
| 18     | G5     | Green Data Signal (MSB) |
| 19     | VSS    | Ground Pin              |
| 20     | B0     | Blue Data Signal (LSB)  |
| 21     | B1     | Blue Data Signal        |
| 22     | B2     | Blue Data Signal        |
| 23     | B3     | Blue Data Signal        |
| 24     | B4     | Blue Data Signal        |
| 25     | B5     | Blue Data Signal        |
| 26     | VSS    | Ground Pin              |
| 27     | DEN    | Data Enable Input       |
| 28     | VCC    | 3.3V Power Supply       |
| 29     | VCC    | 3.3V Power Supply       |
| 30     | REV    | Horizontal Display Mode |
| 31     | VSS    | Ground Pin              |
| 32     | DISP   | ON/OFF Control Input    |
| 33     | VSS    | Ground Pin              |

HDA570W

Dimensional Drawing

5.7", VGA, TFT, Color Graphics, White LED Backlight



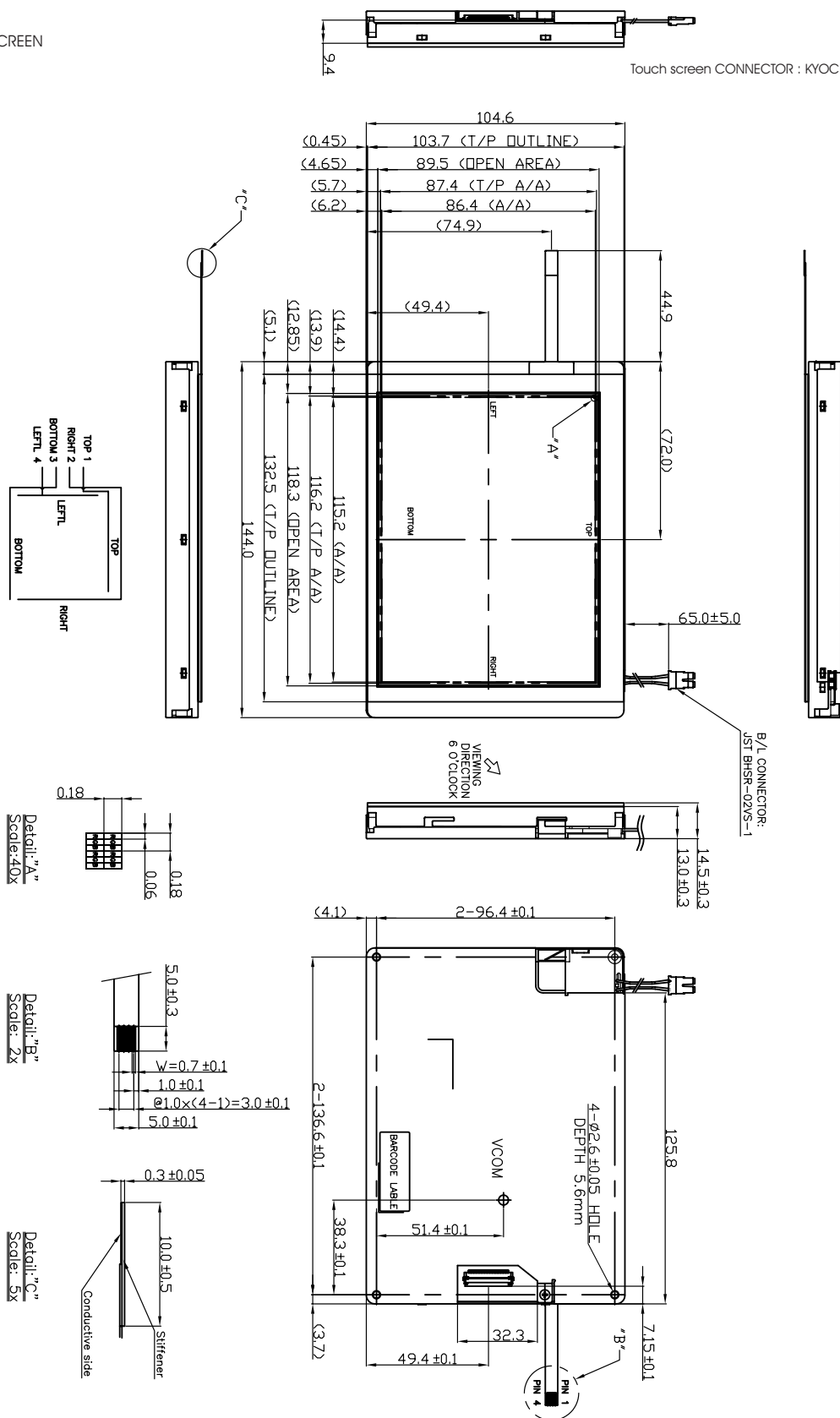
## HDA570VT - V

## Dimensional Drawing

5.7" , VGA, TFT, with Touch Screen, White LED Backlight

With TOUCH SCREEN

Touch screen CONNECTOR : KYOCERA-ELCO 046227004100829+



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