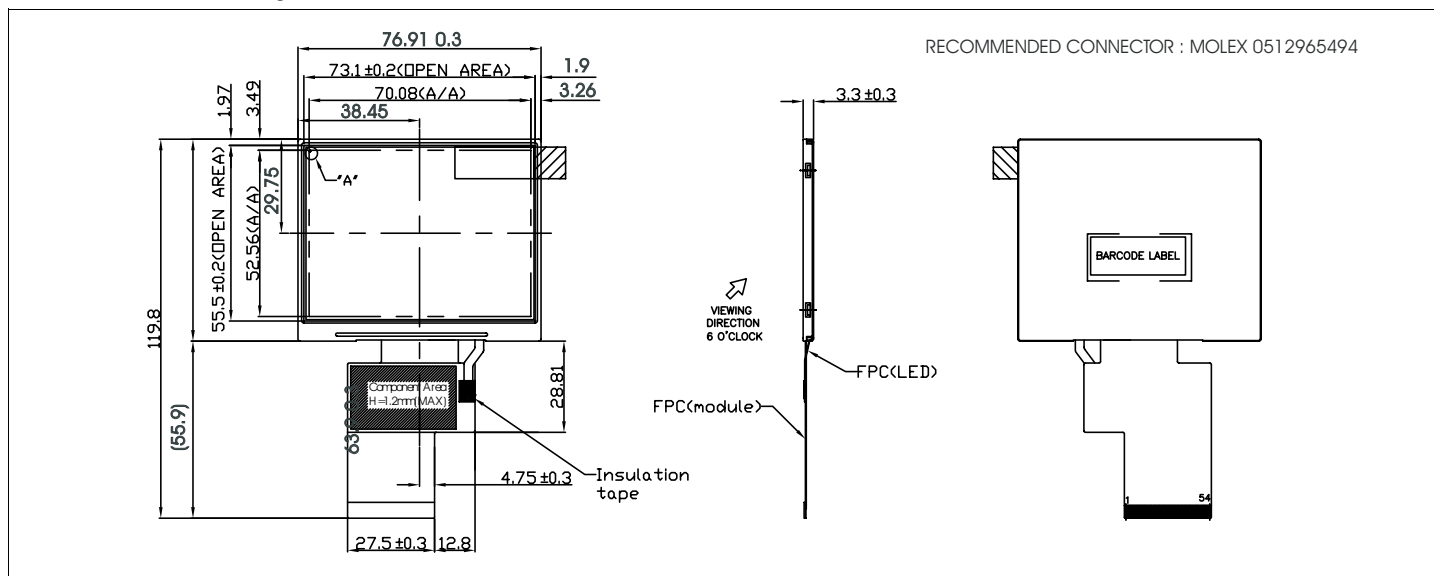


# HDA351-LVH (High Brightness)

## Dimensional Drawing

3.5", QVGA (TFT) Color Graphics , Landscape , White LED Backlight



## Features

Viewing Angle(L/R/UP/DWN).....70/70/55/70 degrees  
 High Contrast.....450:1  
 Fast Response Time.....50 msec  
 Built-in Controller.....none  
 Touch Screen.....none  
 High Brightness.....800 cd/m<sup>2</sup>

## Physical Data

Module Size.....76.9W x63.9H x3.3T mm  
 Active Area Size.....70.08W x52.56 H mm  
 Dot Pitch.....0.073W x 0.219H mm  
 Weight.....32.5g

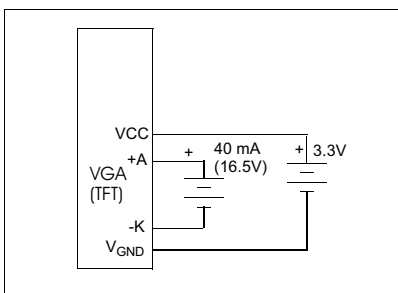
## Electrical Characteristics (VDD=3.3±0.125V 25°C)

| PARAMETER             | SYM              | CONDITION               | MIN                 | TYP  | MAX                 | UNIT              |
|-----------------------|------------------|-------------------------|---------------------|------|---------------------|-------------------|
| OPERATING VOLTAGE     | V <sub>CC</sub>  | -                       | 2.5                 | 3.3  | 3.6                 | V                 |
| OPERATING VOLTAGE     | V <sub>LED</sub> | -                       | -                   | 16.5 | -                   | V                 |
| INPUT HIGH VOLTAGE    | V <sub>IH</sub>  | -                       | 0.8*V <sub>DD</sub> | -    | V <sub>DD</sub>     | V                 |
| INPUT LOW VOLTAGE     | V <sub>IL</sub>  | -                       | 0                   | -    | 0.2*V <sub>DD</sub> | V                 |
| OPERATING CURRENT     | I <sub>CC</sub>  | V <sub>CC</sub> = 3.3 V | -                   | 15.6 | 22.0                | mA                |
| OPERATING CURRENT LED | I <sub>LED</sub> | -                       | -                   | 40   | -                   | mA                |
| POWER CONSUMPTION     | P <sub>D</sub>   | -                       | -                   | 707  | -                   | mW                |
| BRIGHTNESS            | L                | Average                 | 700                 | 800  | -                   | Cd/m <sup>2</sup> |

## Pin Connections

| PIN NO. | SYMBOL  | FUNCTION                 |
|---------|---------|--------------------------|
| 1       | LED-K   | Backlight LED (-)        |
| 2       | LED-K   | Backlight LED (-)        |
| 3       | LED-A   | Backlight LED (+)        |
| 4       | LED-A   | Backlight LED (+)        |
| 5       | NC      | No Connection            |
| 6       | NC      | No Connection            |
| 7       | POL     | Test Pin , No Connection |
| 8       | RESET   | Reset Input              |
| 9       | NC      | No Connection            |
| 10      | NC      | No Connection            |
| 11      | NC      | No Connection            |
| 12-19   | D20-D27 | H/L Blue Data Inputs     |
| 20-27   | D10-D17 | H/L Green Data Inputs    |
| 28-35   | D00-D07 | H/L Red Data Inputs      |
| 36      | HSYNC   | Horizontal Sync Input    |
| 37      | VSNC    | Vertical Sync Input      |
| 38      | DOICLK  | Data Clock Input         |
| 39      | NC      | No Connection            |
| 40      | NC      | No Connection            |
| 41      | VCC     | Power (+3.3V)            |
| 42      | VCC     | Power (+3.3V)            |
| 43      | NC      | No Connection            |
| 44      | NC      | No Connection            |
| 45      | NC      | No Connection            |
| 46      | NC      | No Connection            |
| 47      | NC      | No Connection            |
| 48      | NC      | No Connection            |
| 49      | NC      | No Connection            |
| 50      | NC      | No Connection            |
| 51      | NC      | No Connection            |
| 52      | NC      | No Connection            |
| 53      | GND     | Ground Pin               |
| 54      | GND     | Ground Pin               |

## Power Supply



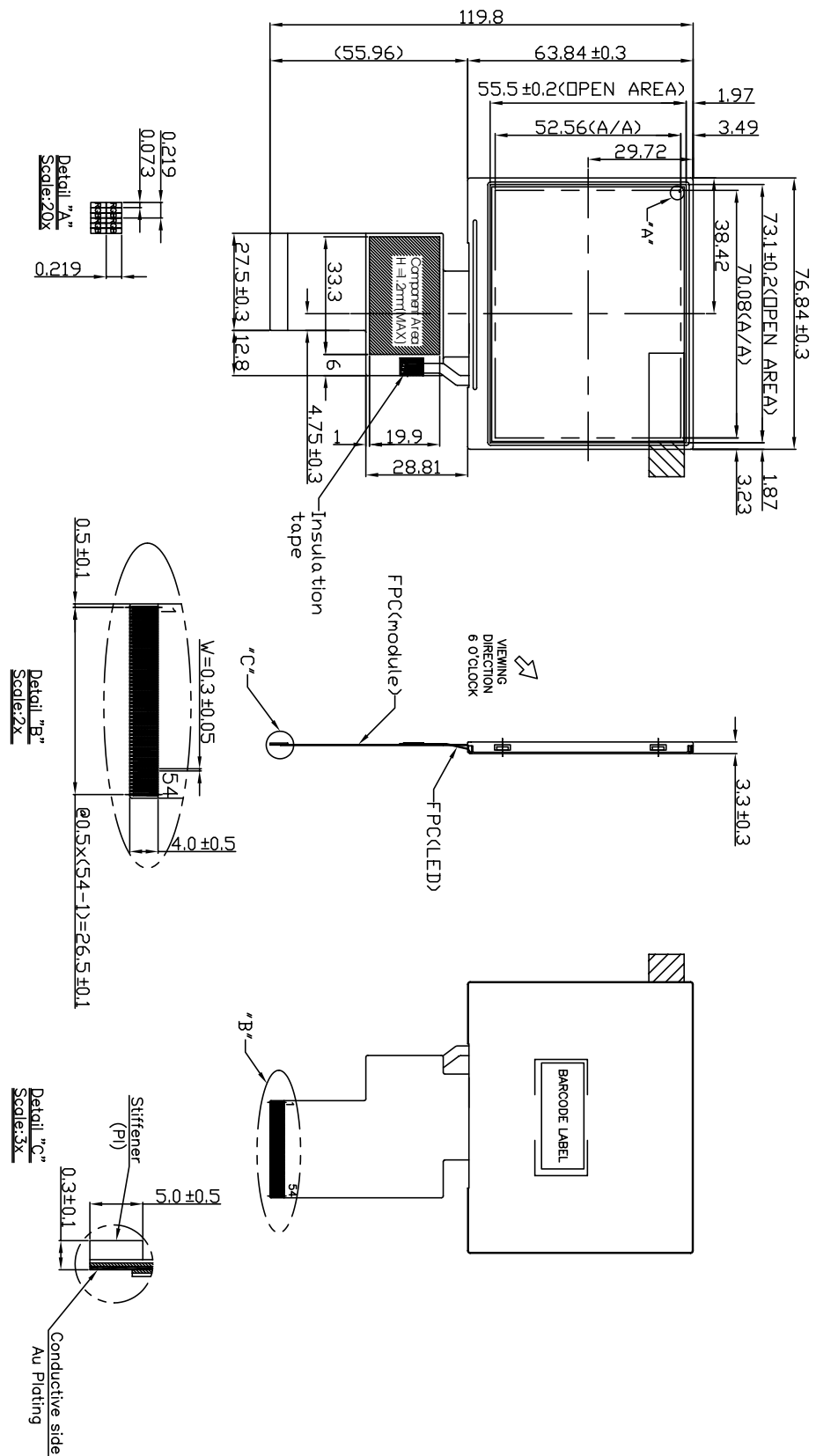
## Absolute Maximum Ratings

| PARAMETER                    | SYMBOL           | MIN  | MAX                   | UNIT |
|------------------------------|------------------|------|-----------------------|------|
| SUPPLY VOLTAGE               | V <sub>CC</sub>  | -0.3 | 5.0                   | V    |
| BACKLIGHT CURRENT(White LED) | I <sub>LED</sub> | -    | 50                    | mA   |
| 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   |

**HANTRONIX**

## Dimensional Drawing

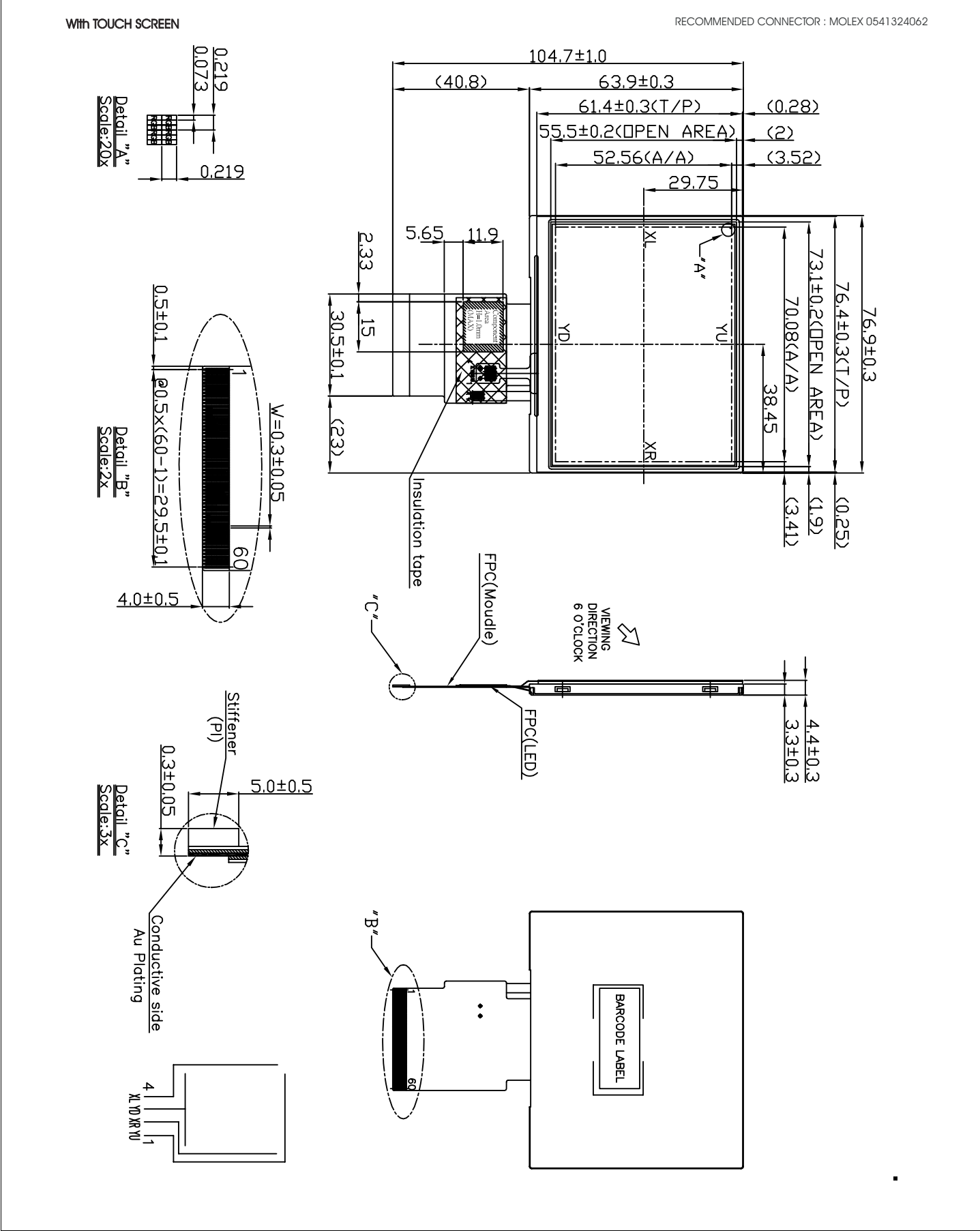
3.5", QVGA (TFT) Color Graphics , Landscape , White LED Backlight



HDA351T-LVH

Dimensional Drawing

3.5" , QVGA (TFT), With Touch Screen, Landscape, White LED Backlight



# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct    +86 (21) 6401-6692  
Email     amall@ameya360.com  
QQ        800077892  
Skype     ameyasales1 ameyasales2

➤ Customer Service :

Email     service@ameya360.com

➤ Partnership :

Tel        +86 (21) 64016692-8333  
Email     mkt@ameya360.com