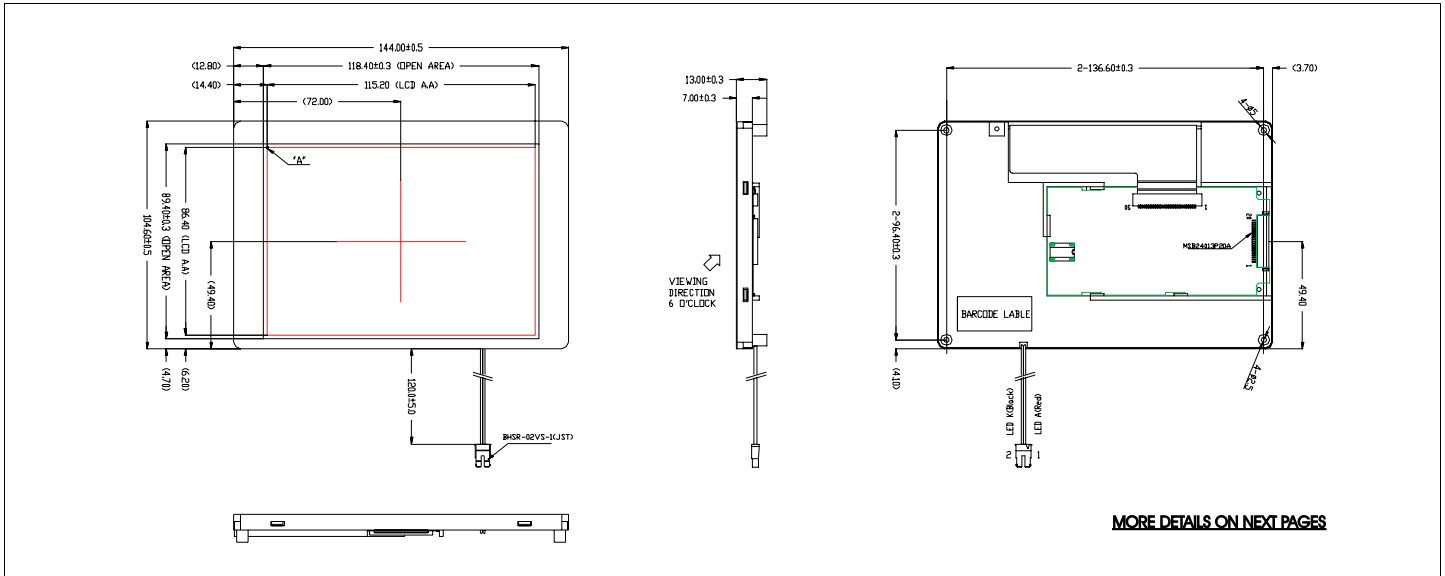


# HDA570V-GHL

## Dimensional Drawing

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



**MORE DETAILS ON NEXT PAGES**

### Features

- Viewing Angle(H/V).....130/120 degrees
- High Contrast.....500:1
- Fast Response Time.....40 msec
- Built-in DC-DC Converter
- Built-in Controller.....none
- Touch Screen .....optional
- High Brightness .....900 Cd/m<sup>2</sup>

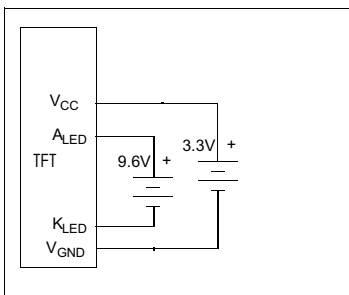
### Physical Data

- Module Size.....144.0W x104.6H x 13.0T mm
- Viewing Area Size.....118.4W x 89.4H mm
- Dot Pitch.....0.1815W x 0.1815H mm
- Weight.....154g

### 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
OPERATING VOLTAGE(WLED)	V <sub>WLED</sub>	-	-	9.6	-	V
INPUT DIF. VOLTAGE (LVDS)	V <sub>ID</sub>	-	100	-	600	mV
INPUT COM. MODE VOLT.	V <sub>CM</sub>	-	-	-	1.40	V
OPERATING CURRENT	I <sub>CC</sub>	V <sub>CC</sub> = 3.3V	-	120	-	mA
OPERATING CURRENT (WLED)	I <sub>LED</sub>	-	-	200	-	mA
POWER CONSUMPTION	P	-	-	2.32	-	W
BRIGHTNESS	L	-	700	900	-	cd/m <sup>2</sup>

### Power Supply



### Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V <sub>CC</sub>	0	5	V
BACKLIGHT CURRENT (LED )	I <sub>LED</sub>	-	TBA	mA
INPUT VOLTAGE	V <sub>IN</sub>	-0.5	V <sub>DD</sub> +0.5	V
OPERATING TEMPERATURE	T <sub>OP</sub>	-20	70	°C
STORAGE TEMPERATURE	T <sub>STG</sub>	-30	80	°C

### Pin Connections

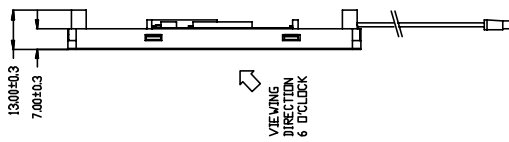
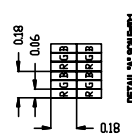
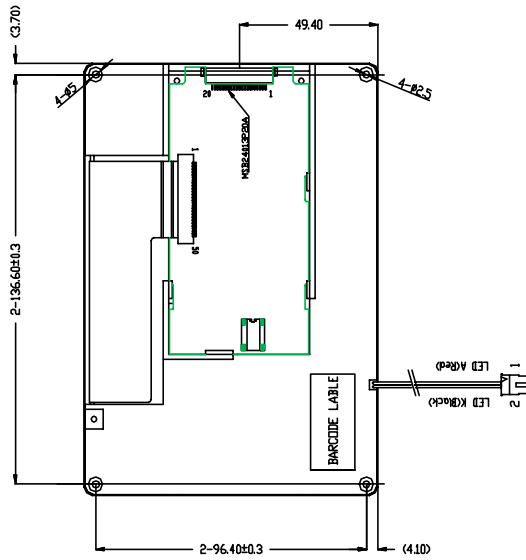
PIN NO.	SYMBOL		FUNCTION
1	V <sub>CC</sub>	-	+3.3V Power Supply
2	V <sub>CC</sub>	-	+3.3V Power Supply
3	V <sub>SS</sub>	-	Ground
4	V <sub>SS</sub>	-	Ground
5	RXIN0 -	H/L	LVDS (-) - chanel 0
6	RXIN0 +	H/L	LVDS (+) - chanel 0
7	V <sub>SS</sub>	-	Ground
8	RXIN1 -	H/L	LVDS (-) - chanel 1
9	RXIN1 +	H/L	LVDS (+) - chanel 1
10	V <sub>SS</sub>	-	Ground
11	RXIN2 -	H/L	LVDS (-) - chanel 2
12	RXIN2 +	H/L	LVDS (+) - chanel 2
13	V <sub>SS</sub>	-	Ground
14	RXCLK -	H/L	LVDS (-) - clock
15	RXCLK +	H/L	LVDS (+) - clock
16	V <sub>SS</sub>	-	Ground
17	NC	-	No Connection
18	NC	-	No Connection
19	REV	-	Select Horizontal Scan Direction
20	V <sub>SS</sub>	-	Ground

# HDA570V-GHL

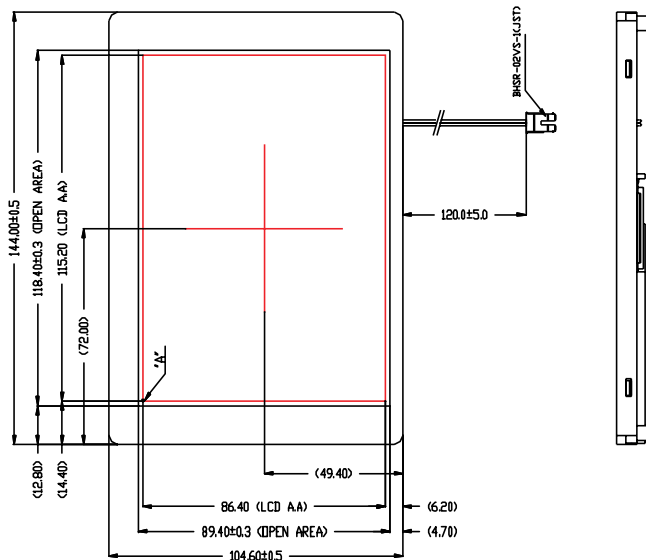
Dimensional Drawing

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

**NO TOUCH SCREEN OPTION**



No.	PIN NAME	11	RING-
1	VCC	12	RING+
2	VCC	13	VSS
3	VSS	14	RCLK-
4	VSS	15	RCLK+
5	RINO-	16	VSS
6	RINO+	17	NC
7	VSS	18	NC
8	RINI-	19	REV
9	RINI+	20	VSS
10	VSS		

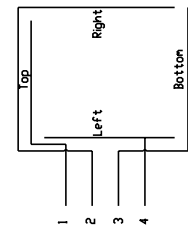
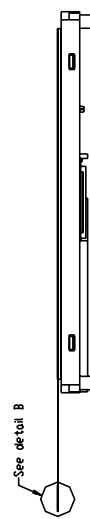
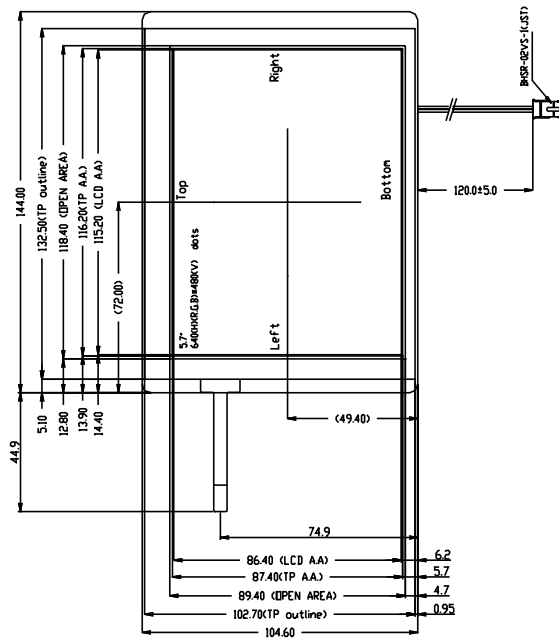
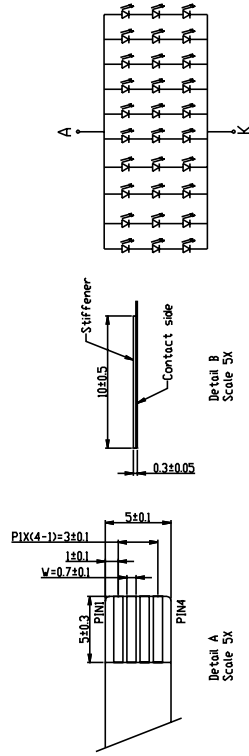
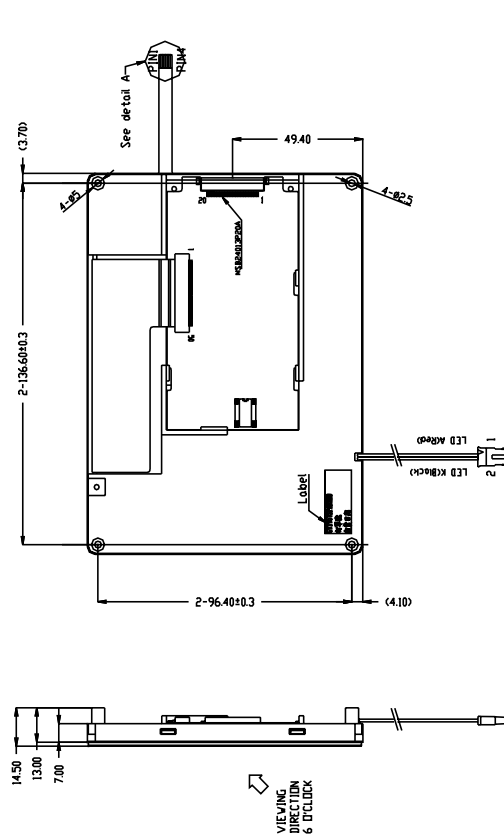


# HDA570VT-GHL

Dimensional Drawing

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

**TOUCH SCREEN OPTION**



NO	PIN NAME	11	RING-	RING+
1	VCC	12	VSS	VSS
2	VCC	13	VSS	VSS
3	VSS	14	RCLK-	RCLK+
4	VSS	15	RCLK-	RCLK+
5	RING-	16	VSS	VSS
6	RING+	17	NC	NC
7	VSS	18	REV	REV
8	RING-	19	VSS	VSS
9	RING+	20	VSS	VSS
10	VSS			