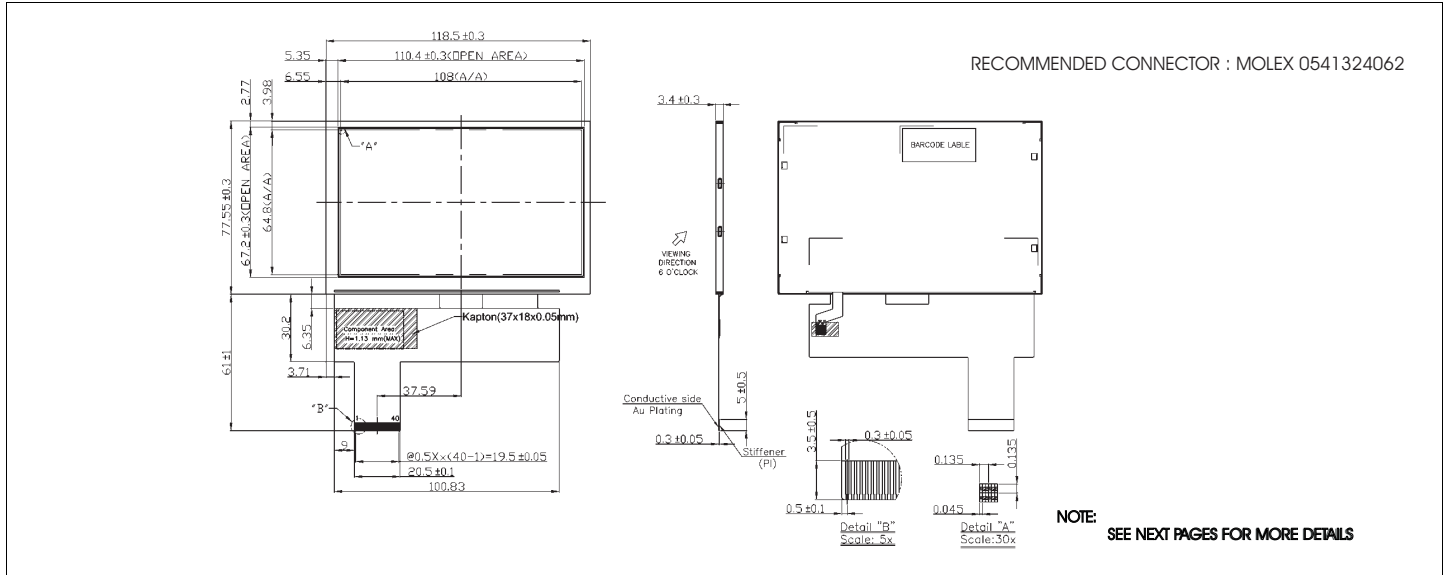


# HDA500V

## Dimensional Drawing

5", WVGA(800X480) TFT, Transmissive, Color, White LED Backlight



### Features

- Viewing Angle(H/V).....140/130 degrees
- High Contrast.....400.
- Fast Response Time.....50 msec
- Built-in DC-DC Converter
- Built-in Controller.....none
- Touch screen .....optional

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

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V <sub>DD</sub>	-	2.7	3.3	3.6	V
INPUT HIGH VOLTAGE	V <sub>HI</sub>	-	0.7V <sub>DD</sub>	-	V <sub>DD</sub>	V
INPUT LOW VOLTAGE	V <sub>LI</sub>	-	0	-	0.3V <sub>DD</sub>	V
OPERATING CURRENT	I <sub>DD</sub>	-	-	110	154	mA
LED OPERATING VOLTAGE	V <sub>LED</sub>	-	-	23.1	-	V
OPERATING CURRENT	I <sub>FLED</sub>	-	-	40	-	mA
POWER CONSUMPTION	P <sub>D</sub>	-	-	1287	-	mW
BRIGHTNESS	L	-	270	340	-	cd/m <sup>2</sup>

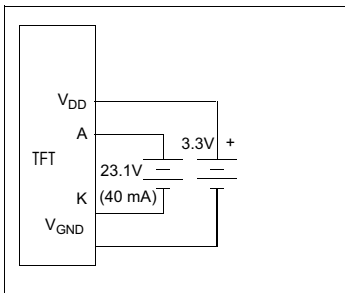
### Physical Data

- Module Size.....118.5W x77.55H x 3.4T mm
- Viewing Area Size.....110.4W x67.2 H mm
- Dot Pitch.....0.135W x 0.135H mm
- Weight.....60.4g

### Pin Connections

PIN NO.	SYMBOL	FUNCTION
1	VLED-K	LED Cathode
2	VLED-A	LED Anode
3	GND	Ground
4	VCC	+ 3.3V Power Supply
5	R0	Red Data Bit 0
6	R1	Red Data Bit 1
7	R2	Red Data Bit 2
8	R3	Red Data Bit 3
9	R4	Red Data Bit 4
10	R5	Red Data Bit 5
11	R6	Red Data Bit 6
12	R7	Red Data Bit 7
13	G0	Green Data Bit 0
14	G1	Green Data Bit 1
15	G2	Green Data Bit 2
16	G3	Green Data Bit 3
17	G4	Green Data Bit 4
18	G5	Green Data Bit 5
19	G6	Green Data Bit 6
20	G7	Green Data Bit 7
21	B0	Blue Data Bit 0
22	B1	Blue Data Bit 1
23	B2	Blue Data Bit 2
24	B3	Blue Data Bit 3
25	B4	Blue Data Bit 4
26	B5	Blue Data Bit 5
27	B6	Blue Data Bit 6
28	B7	Blue Data Bit 7
29	GND	Ground
30	DCLK	Data Clock
31	DISP	Display ON/OFF (H/L)
32	HSYNC	Horizontal Sync
33	VSYNC	Vertical Sync
34	DE	Data Enable
35	NC	No Connect
36	GND	GND
37-40	NC	No Connection

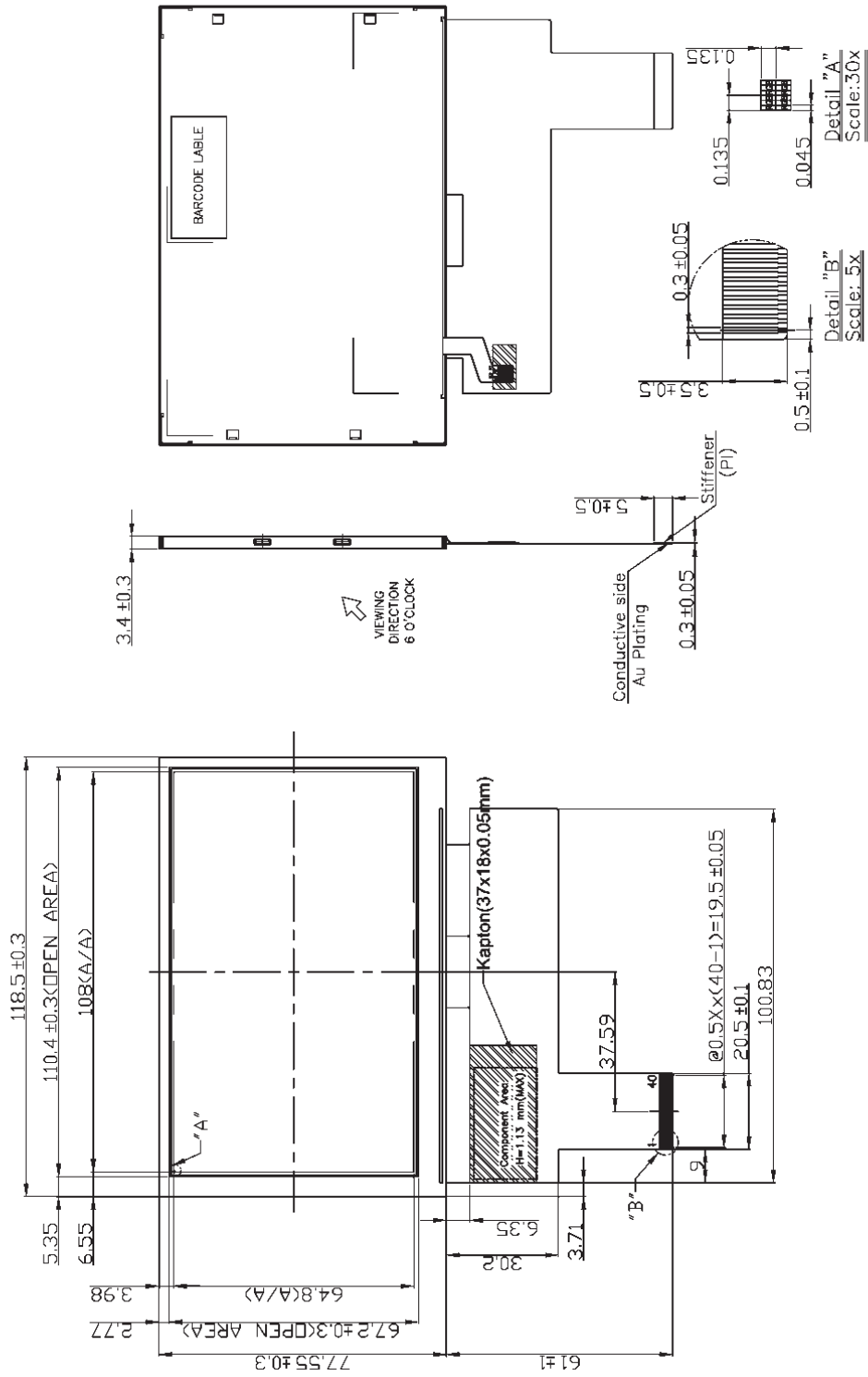
### Power Supply



### Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V <sub>DD</sub>	-0.3	7.0	V
BACKLIGHT CURRENT (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

Outline Drawing



With TOUCH SCREEN

Outline Drawing

