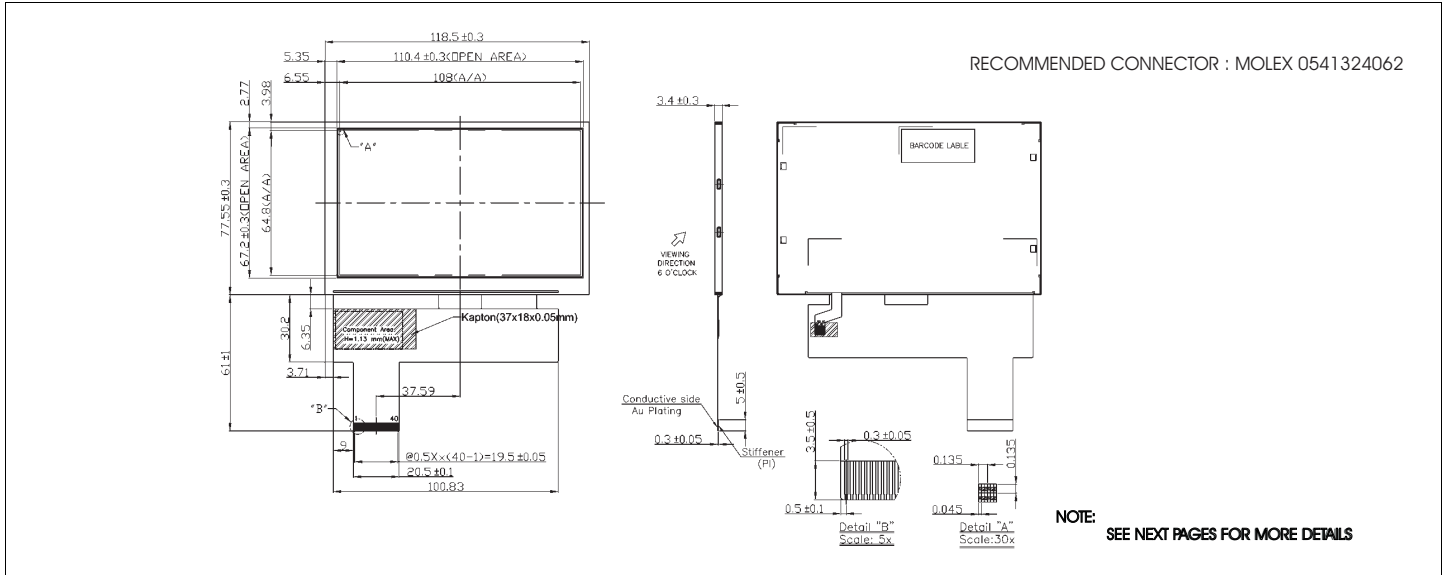


HDA500V

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 screenoptional

Electrical Characteristics (VDD=3.3±0.1 25V 25°C)

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

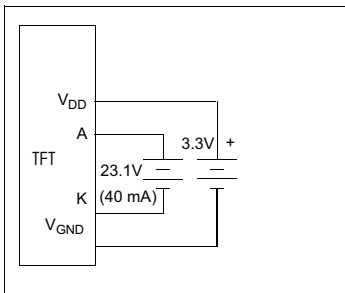
Physical Data

- 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

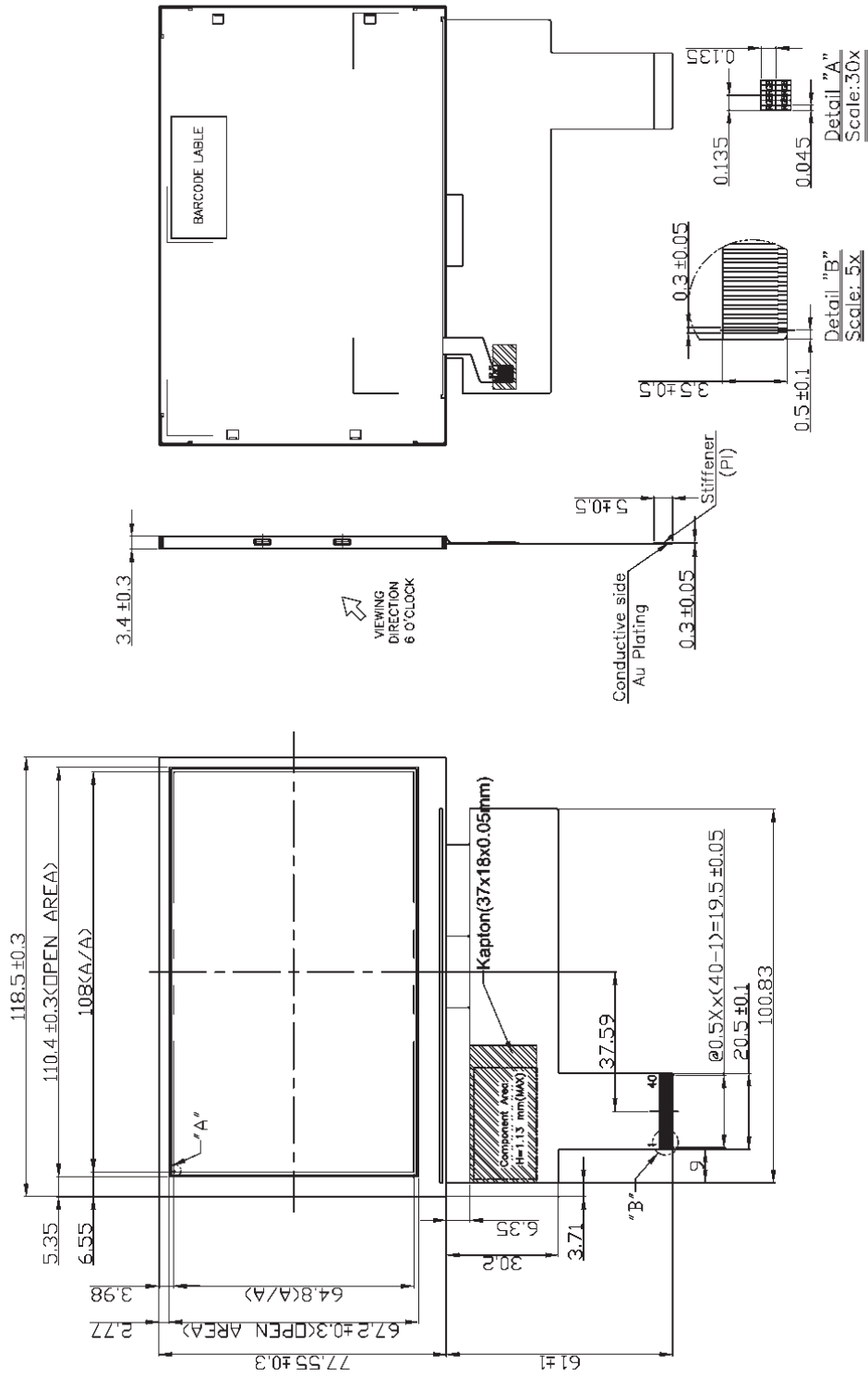
Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{DD}	-0.3	7.0	V
BACKLIGHT CURRENT (LED)	I _{LED}	-	50	mA
INPUT VOLTAGE	V _{IN}	-0.3	V _{DD} +0.3	V
OPERATING TEMPERATURE	T _{OP}	-20	70	°C
STORAGE TEMPERATURE	T _{STG}	-30	80	°C

Outline Drawing



With TOUCH SCREEN

Outline Drawing

