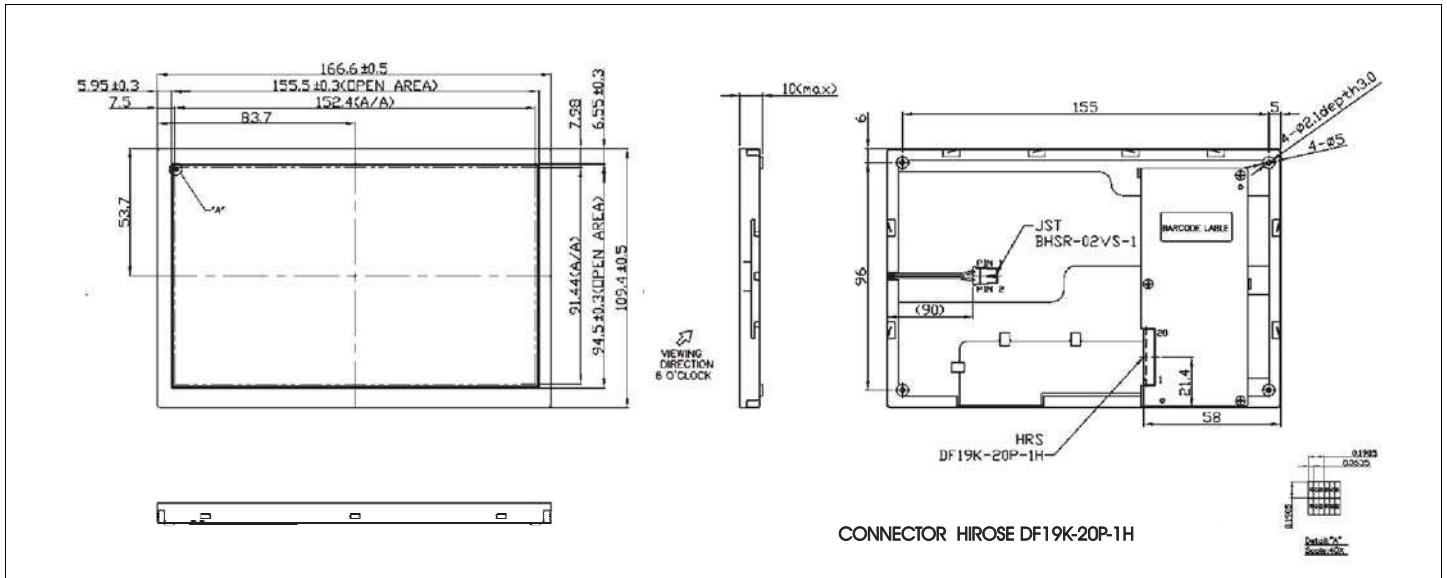


# HDA700L-L

Dimensional Drawing

7", WVGA (800 X480) , TFT Color Graphics ,White LED Backlight



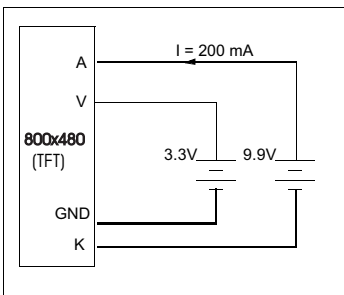
- Features**
- Viewing Angle(H/V).....130/120 degrees
  - High Contrast.....250:1
  - Fast Response Time(R/F).....20 msec
  - Built-in Controller.....none
  - LVDS Interface Logic.....
  - Touch screen .....optional

- Physical Data**
- Module Size.....166.6W x109.4H x10.0Tmm
  - Viewing Area Size.....155.5 W x94.5 H mm
  - Dot Pitch.....0.0635W x 0.1905H mm
  - Weight.....165 g

**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>	-	-	9.9	-	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	-	215	305	mA
OPERATING CURRENT (WLED)	I <sub>LED</sub>	-	-	200	-	mA
POWER CONSUMPTION	P	-	-	2.69	-	W
BRIGHTNESS	L	-	450	500	-	cd/m <sup>2</sup>

**Power Supply**



**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 (-) - channel 0
6	RXIN0+	H/L	LVDS (+) - channel 0
7	V <sub>SS</sub>	-	Ground
8	RXIN1 -	H/L	LVDS (-) - channel 1
9	RXIN1 +	H/L	LVDS (+) - channel 1
10	V <sub>SS</sub>	-	Ground
11	RXIN2 -	H/L	LVDS (-) - channel 2
12	RXIN2+	H/L	LVDS (+) - channel 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	V <sub>SS</sub>	-	Ground
20	V <sub>SS</sub>	-	Ground

**Absolute Maximum Ratings**

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V <sub>CC</sub>	-0.5	4.0	V
INPUT VOLTAGE	V <sub>IN</sub>	-0.5	4.0	V
OPERATING TEMPERATURE	T <sub>OP</sub>	-20	+70	°C
STORAGE TEMPERATURE	T <sub>STG</sub>	-30	+80	°C