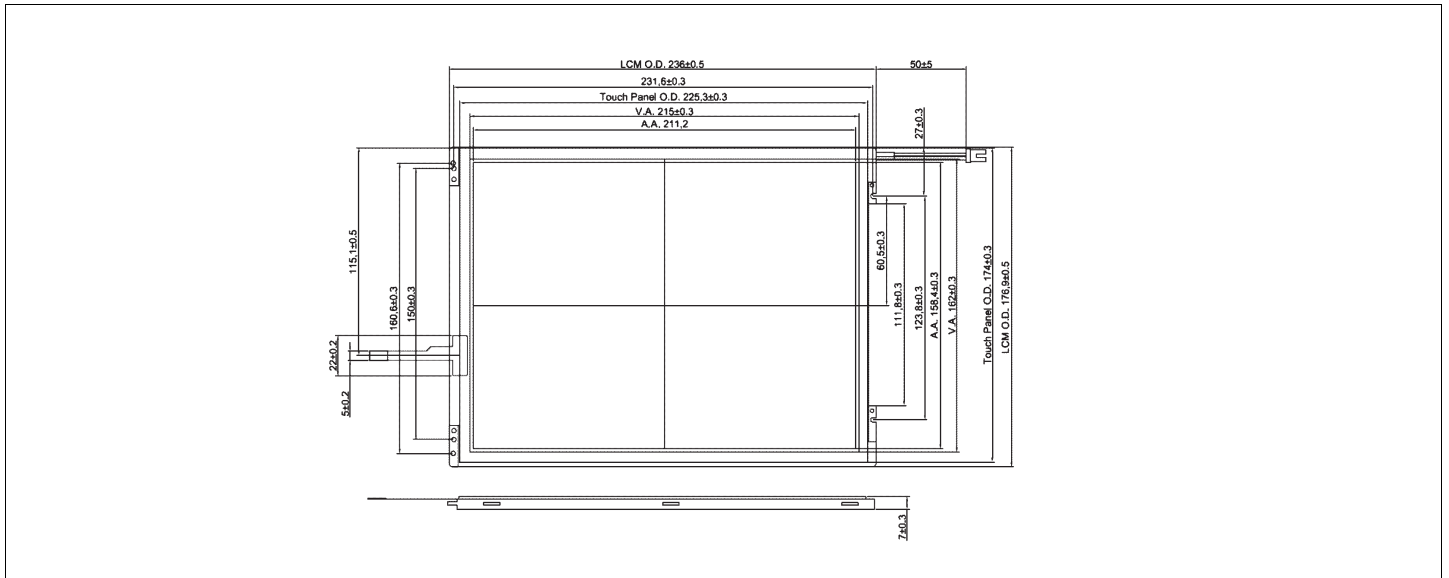


# HDA1040S-AH

Dimensional Drawing

10.4", SVGA (800 X600) , TFT Color Graphics ,White LED Backlight



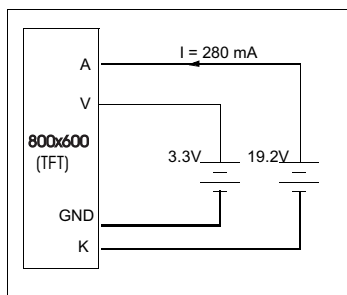
- Features**
- Viewing Angle(H/V).....130/110 degrees
  - High Contrast.....400:1
  - Fast Response Time(R/F).....25 msec
  - Built-in Controller.....none
  - LVDS Interface Logic.....
  - Touch screen .....optional

- Physical Data**
- Module Size.....236.0W x176.9H x7.0T mm
  - Viewing Area Size.....215.0 W x162.0 H mm
  - Dot Pitch.....0.264W x 0.264H mm
  - Weight.....300 g

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

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V <sub>DD</sub>	-	3.0	3.3	3.6	V
OPERATING VOLTAGE(WLED)	V <sub>WLED</sub>	-	18.6	19.2	19.8	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>DD</sub>	V <sub>DD</sub> = 3.3V	-	260	380	mA
OPERATING CURRENT (WLED)	I <sub>WLED</sub>	-	-	280	-	mA
POWER CONSUMPTION	P	-	-	6.23	-	W
BRIGHTNESS	L	-	900	1000	-	cd/m <sup>2</sup>

### Power Supply



### Pin Connections

PIN NO.	SYMBOL	FUNCTION	
1	VDD	-	+3.3V Power Supply
2	VDD	-	+3.3V Power Supply
3	GND	-	Ground
4	GND	-	Ground
5	IN0 -	H/L	LVDS (-) - channel 0
6	IN0+	H/L	LVDS (+) - channel 0
7	GND	-	Ground
8	IN1 -	H/L	LVDS (-) - channel 1
9	IN1 +	H/L	LVDS (+) - channel 1
10	GND	-	Ground
11	IN2 -	H/L	LVDS (-) - channel 2
12	IN2+	H/L	LVDS (+) - channel 2
13	GND	-	Ground
14	CLK -	H/L	LVDS (-) - clock
15	CLK+	H/L	LVDS (+) - clock
16	GND	-	Ground
17	NC	-	No Connection
18	NC	-	No Connection
19	GND	-	Ground
20	GND	-	Ground

### Absolute Maximum Ratings

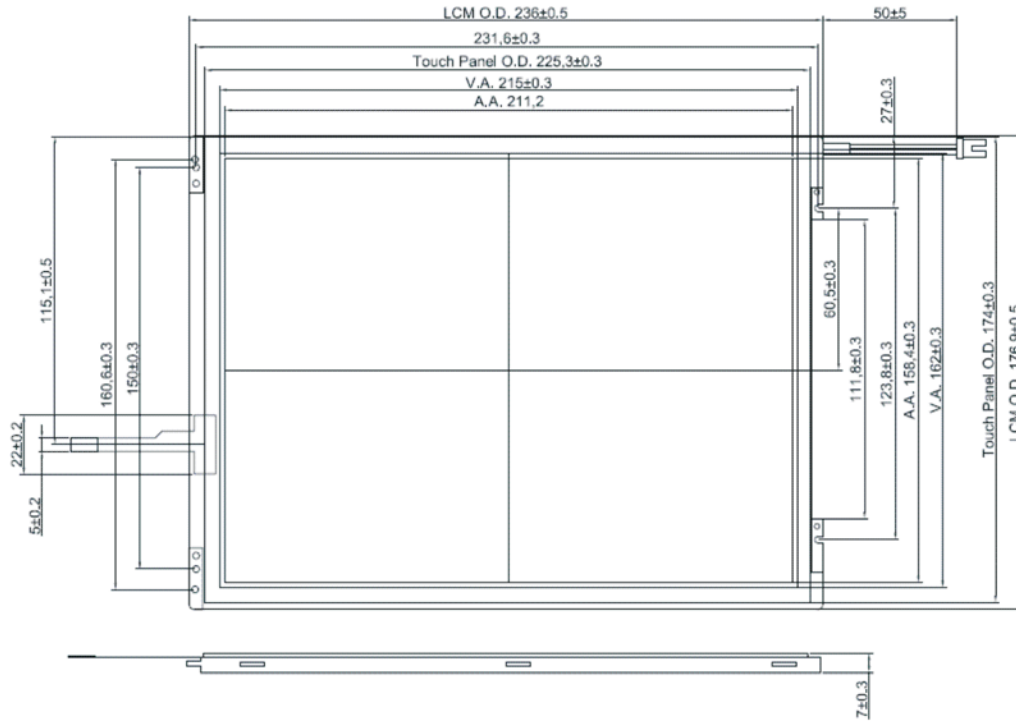
PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V <sub>CC</sub>	-0.5	5.0	V
INPUT VOLTAGE	V <sub>IN</sub>	-0.5	5.0	V
OPERATING TEMPERATURE	T <sub>OP</sub>	-20	+70	°C
STORAGE TEMPERATURE	T <sub>STG</sub>	-30	+80	°C

With TOUCH SCREEN

## 11. OUTLINE DIMENSION

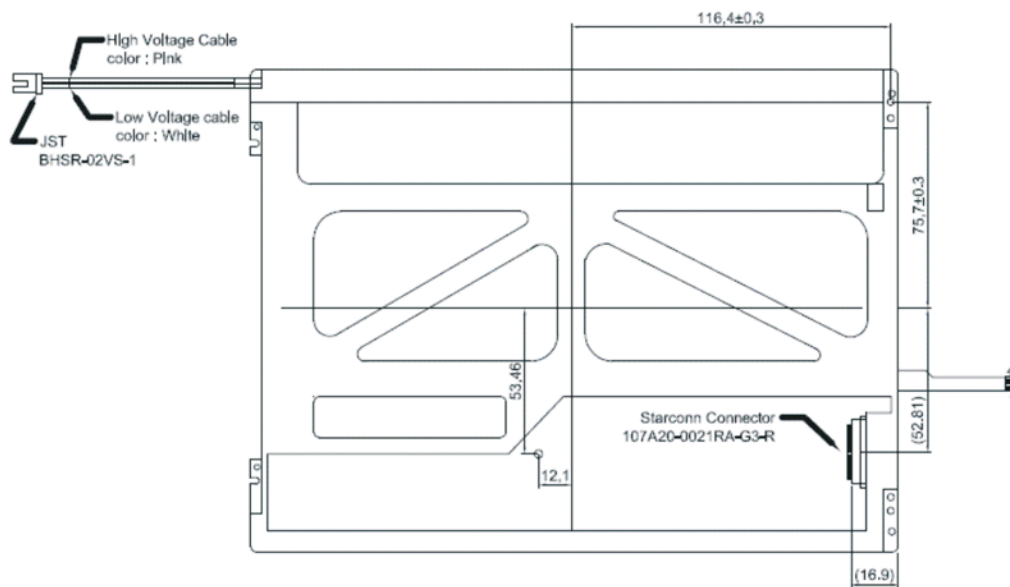
### 11.1 Front Side

Unit : mm



### 11.2 Rear side

Unit : mm



Q.A.:

REV: