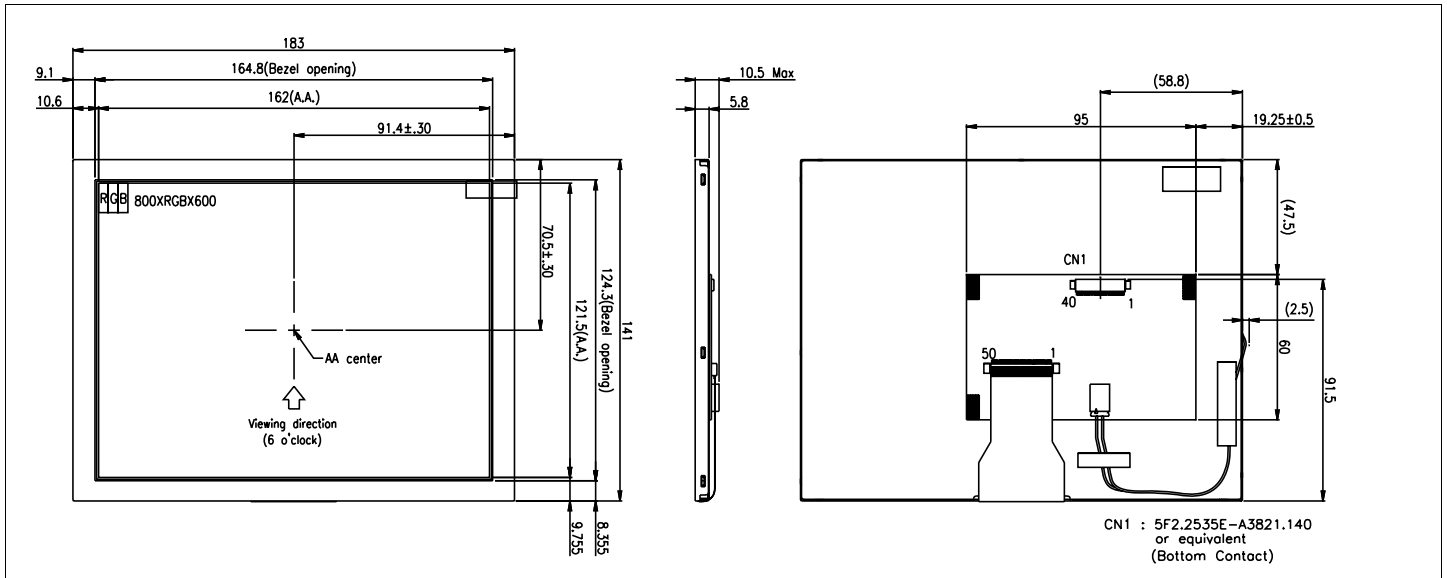


# HDA800S-G

## Dimensional Drawing

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



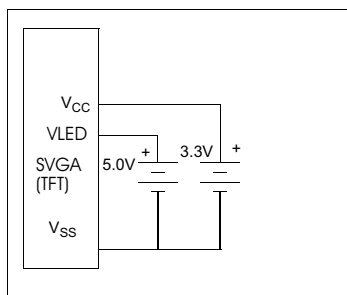
**Features**  
 Viewing Angle(H/V).....140/125 degrees  
 High Contrast.....500:1  
 Fast Response Time.....25 msec  
 Built-in Controller.....none

**Physical Data**  
 Module Size.....183W x141H x5.8T mm  
 Viewing Area Size.....164.8W x124.3 H mm  
 Dot Pitch.....0.2025W x 0.2025H mm  
 Weight.....TBA

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

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V <sub>CC</sub>	-	3.0	3.6	3.6	V
OPERATING VOLTAGE	V <sub>LED</sub>	-	4.5	5.0	5.5	V
INPUT HIGH VOLTAGE	V <sub>IH</sub>	-	0.7*V <sub>CC</sub>	-	V <sub>CC</sub>	V
INPUT LOW VOLTAGE	V <sub>IL</sub>	-	0	-	0.3*V <sub>CC</sub>	V
OPERATING CURRENT	I <sub>CC</sub>	V <sub>CC</sub> = 3.3V	-	120	150	mA
OPERATING CURRENT LED	I <sub>LED</sub>	-	-	450	500	mA
POWER CONSUMPTION	P	Logic only	-	2.6	3.0	W
BRIGHTNESS	L	Average	320	400	-	cd/m <sup>2</sup>

## Power Supply



## Pin Connections

PIN NO.	SYMBOL		FUNCTION
1	GND	-	Power Ground
2	GND	-	Power Ground
3	ADJ	-	LED Brightness Adjustment
4	VLED	-	Power Supply for LED (Vled = 5.0V, 5%)
5	VLED	-	Power Supply for LED (Vled = 5.0V, 5%)
6	VLED	-	Power Supply for LED (Vled = 5.0V, 5%)
7	Vcc	-	Power Supply
8	Vcc	-	Power Supply
9	DE	L	Data Enable
10	GND	-	Power Ground
11	GND	-	Power Ground
12	GND	-	Power Ground
13-15	B5-B3	H/L	Blue Data 5-3
16	GND	-	Power Ground
17-19	B2-B0	H/L	Blue Data 2-0
20	GND	-	Power Ground
21-23	G5-G3	H/L	Green Data 5-3
24	GND	-	Power Ground
25-27	G2-G0	H/L	Green Data 2-0
28	GND	-	Power Ground
29-31	R5-R3	H/L	Red Data 5-3
32	GND	-	Power Ground
33-35	R2-R0	H/L	Red Data 2-0
36	GND	-	Power Ground
37	GND	-	Power Ground
38	DCLK	H/L	Data Clock
39	GND	-	Power Ground
40	GND	-	Power Ground

## Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V <sub>CC</sub>	-0.3	4.0	V
INPUT VOLTAGE	V <sub>IN</sub>	-0.3	V <sub>CC</sub> + 0.3	V
OPERATING TEMPERATURE	T <sub>OP</sub>	-20	+70	°C
STORAGE TEMPERATURE	T <sub>STG</sub>	-30	+80	°C