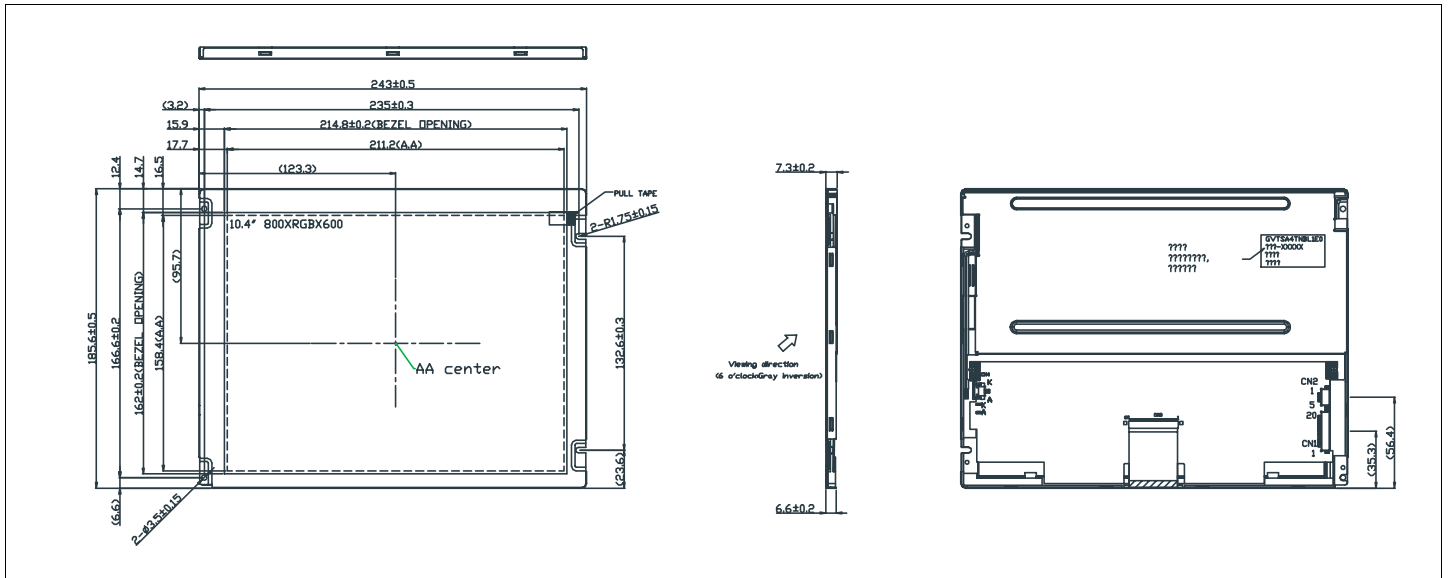


# HDA1040S-G

Dimensional Drawing

10.4", SVGA (800 X600) , LED Driver



## Features

- Viewing Angle(H/V).....140/110 degrees
- High Contrast.....500:1
- Fast Response Time(R/F).....20 msec
- Built-in LED Driver.....
- LVDS Interface Logic.....
- Touch screen .....optional

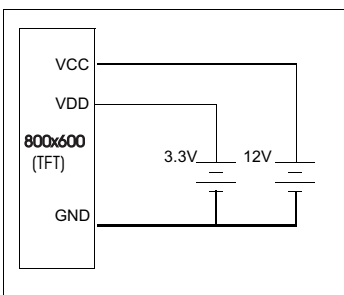
## Physical Data

- Module Size.....243.0W x185.6H x7.3T mm
- Active Area Size.....211.2 W x158.0 H mm
- Dot Pitch.....0.264W x 0.264H mm
- Weight.....TBD

## 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
POWER SUPPLY (LED)	V <sub>LED</sub>	-	-	12	-	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	-	TBD	-	mA
OPERATING CURRENT (LED)	I <sub>WLED</sub>	-	-	TBD	-	mA
POWER CONSUMPTION	P	-	-	TBD	-	W
BRIGHTNESS	L	-	400	500	-	cd/m <sup>2</sup>

## Power Supply



## Pin Connections

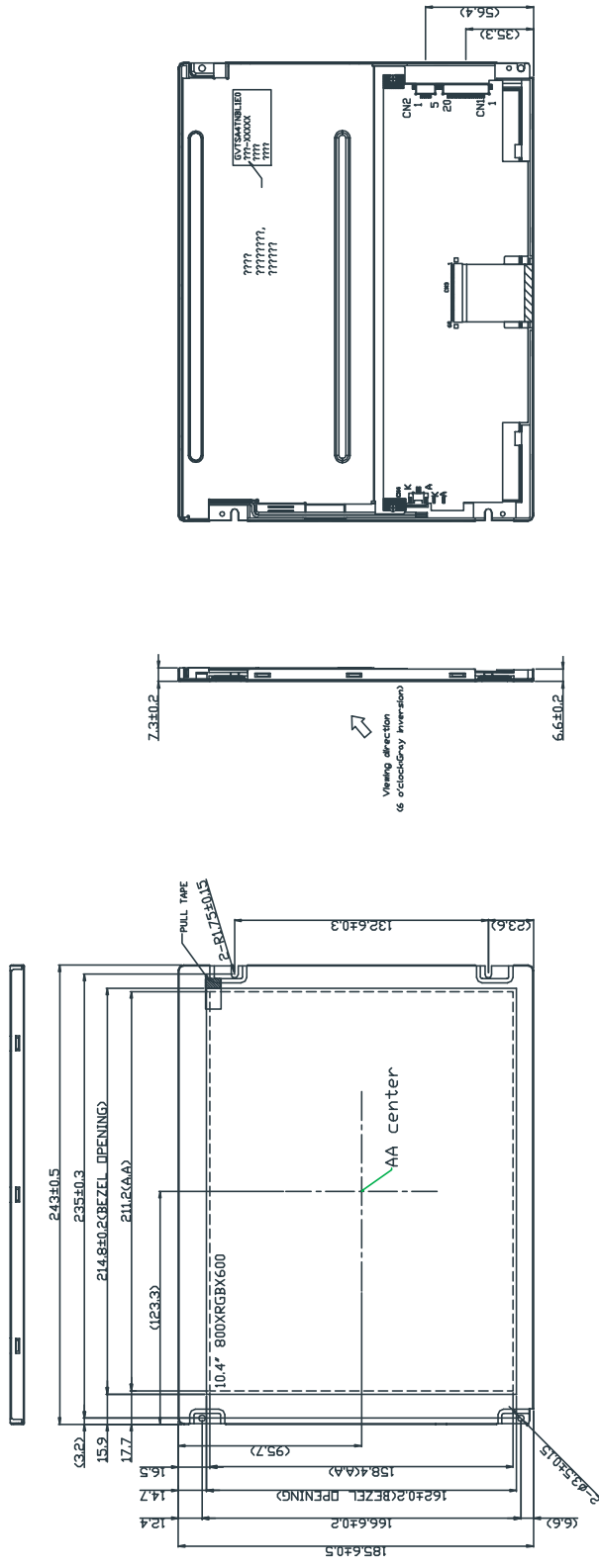
PIN NO.	SYMBOL		FUNCTION
1	VDD	-	+3.3V Power Supply
2	VDD	-	+3.3V Power Supply
3	GND	-	Ground
4	GND	-	Ground
5	RxIN0 -	H/L	LVDS (-) - channel 0
6	RxIN0 +	H/L	LVDS (+) - channel 0
7	GND	-	Ground
8	RxIN1 -	H/L	LVDS (-) - channel 1
9	RxIN1 +	H/L	LVDS (+) - channel 1
10	GND	-	Ground
11	RxIN2 -	H/L	LVDS (-) - channel 2
12	RxIN2 +	H/L	LVDS (+) - channel 2
13	GND	-	Ground
14	RxCLKIN -	H/L	LVDS (-) - Clock
15	RxCLKIN +	H/L	LVDS (+) - Clock
16	GND	-	Ground
17	NC	-	No Connection
18	NC	-	No Connection
19	NC	-	No Connection
20	NC	-	No Connection

## Pin Connections (Backlight)

PIN NO.	SYMBOL		FUNCTION
1	VCC	-	+12V Power Supply
2	GND	-	Ground
3	ON/OFF	H/L	Backlight ON/OFF
4	Dimming	-	Brightness Adjustment Input
5	GND	-	Ground

## Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V <sub>CC</sub>	-0.5	5.0	V
CURRENT OF BACKLIGHT	I <sub>B</sub>	-	TBD	mA
OPERATING TEMPERATURE	T <sub>OP</sub>	-20	+70	°C
STORAGE TEMPERATURE	T <sub>STG</sub>	-30	+80	°C



CN2

Pin	Symbol
1	VCC
2	GND
3	DM/DF
4	Dimming
5	GND

CN1

Pin	Symbol
1	VDD
2	VDD
3	GND
4	GND
5	Rx1N0-
6	Rx1N0+
7	GND
8	Rx1N1-
9	Rx1N1+
10	GND
11	Rx1N2-
12	Rx1N2+
13	GND
14	RxCLKIN-
15	RxCLKIN+
16	GND
17	NC
18	NC
19	NC
20	NC

CN1: SMT MSB24013P20HA or Equivalent  
 CN2: ENTRY 3808K-F05N-03L or Equivalent