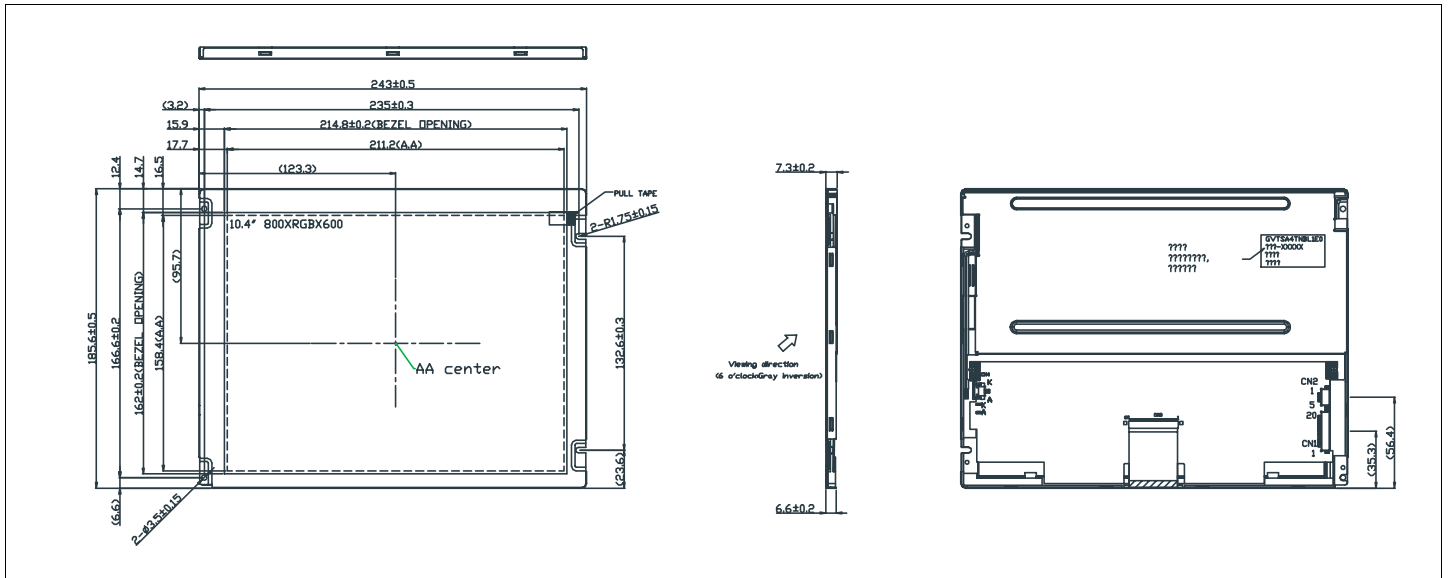


HDA1040S-G

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 screenoptional

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

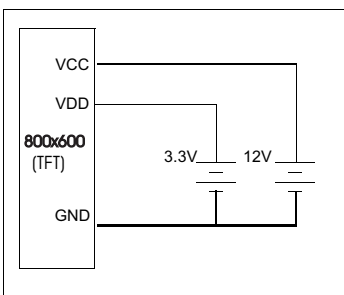
Electrical Characteristics (VDD=3.3±0.125V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V _{DD}	-	3.0	3.3	3.6	V
POWER SUPPLY (LED)	V _{LED}	-	-	12	-	V
INPUT DIF. VOLTAGE (LVDS)	V _{ID}	-	100	-	600	mV
INPUT COM. MODE VOLT.	V _{CM}	-	-	-	1.40	V
OPERATING CURRENT	I _{DD}	V _{DD} = 3.3V	-	TBD	-	mA
OPERATING CURRENT (LED)	I _{WLED}	-	-	TBD	-	mA
POWER CONSUMPTION	P	-	-	TBD	-	W
BRIGHTNESS	L	-	400	500	-	cd/m ²

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

Power Supply

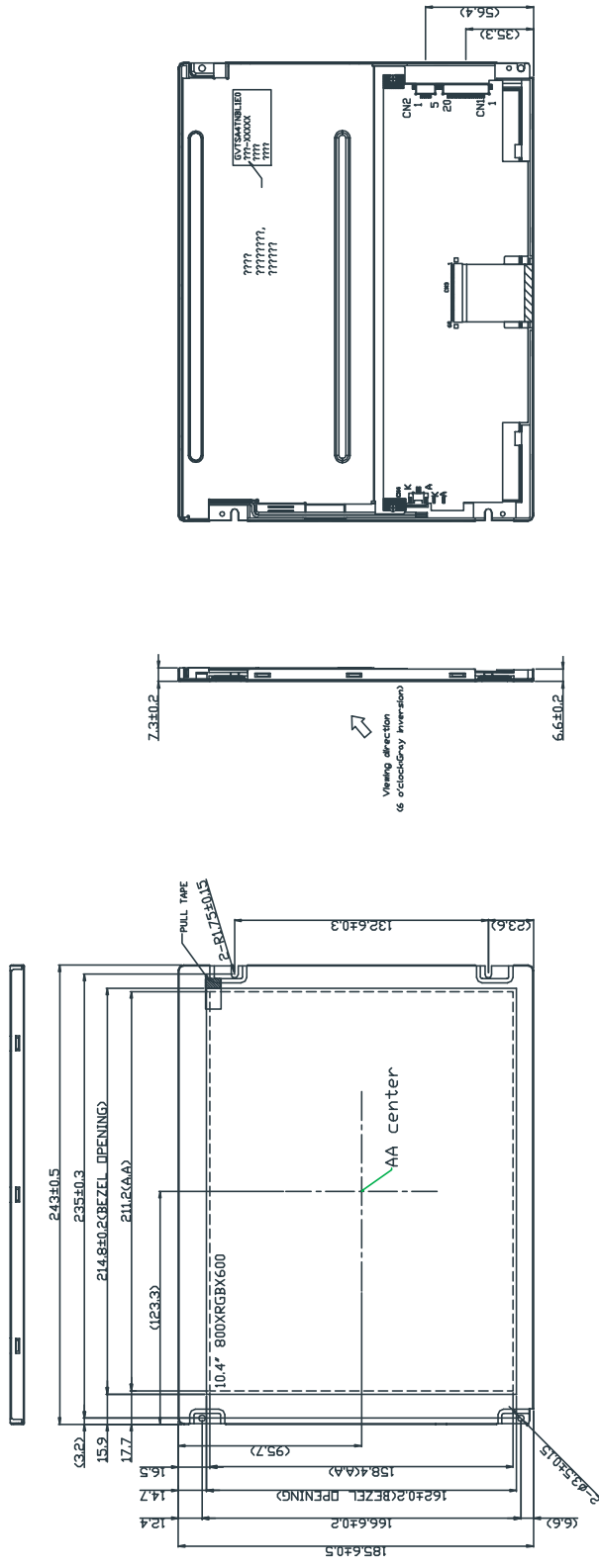


Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{CC}	-0.5	5.0	V
CURRENT OF BACKLIGHT	I _B	-	TBD	mA
OPERATING TEMPERATURE	T _{OP}	-20	+70	°C
STORAGE TEMPERATURE	T _{STG}	-30	+80	°C

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



CN2

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

CN1

Pin Symbol	Function
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