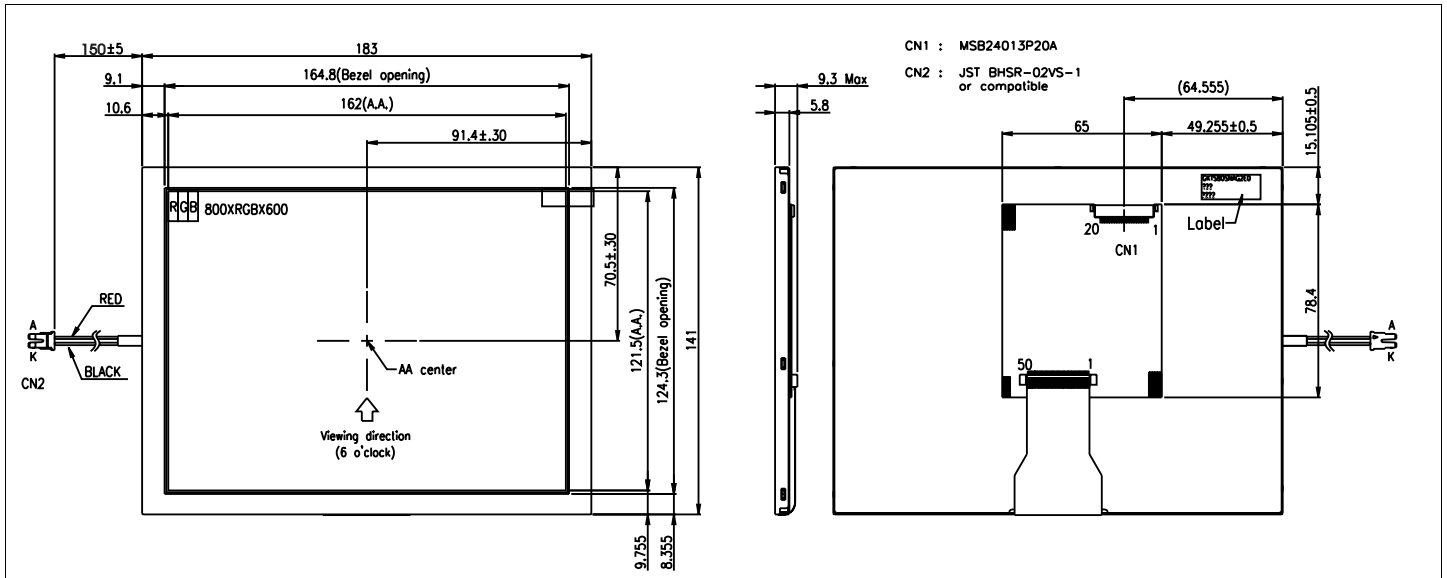


# HDA800S-GL

Dimensional Drawing

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



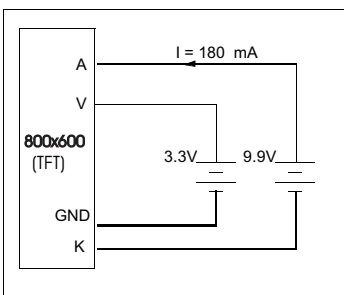
**Features**  
 Viewing Angle(H/V).....140/125 degrees  
 High Contrast.....500:1  
 Fast Response Time(R/F).....25 msec  
 Built-in Controller.....none  
 LVDS Interface Logic.....  
 Touch Screen .....optional  
 High Brightness option.....1300 cd/m

**Physical Data**  
 Module Size.....183.0W x141.0H x5.8T mm  
 Viewing Area Size.....164.8 W x124.3 H mm  
 Dot Pitch.....0.2025W x 0.2025H mm  
 Weight.....250g

## 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	-	-	mV
INPUT COM. MODE VOLT.	V <sub>CM</sub>	-	-	-	1.40	V
OPERATING CURRENT	I <sub>CC</sub>	V <sub>CC</sub> = 3.3V	-	220	250	mA
OPERATING CURRENT (WLED)	I <sub>WLED</sub>	-	-	180	-	mA
POWER CONSUMPTION	P	-	-	2.5	-	W
BRIGHTNESS	L	-	320	400	-	cd/m <sup>2</sup>

## Power Supply



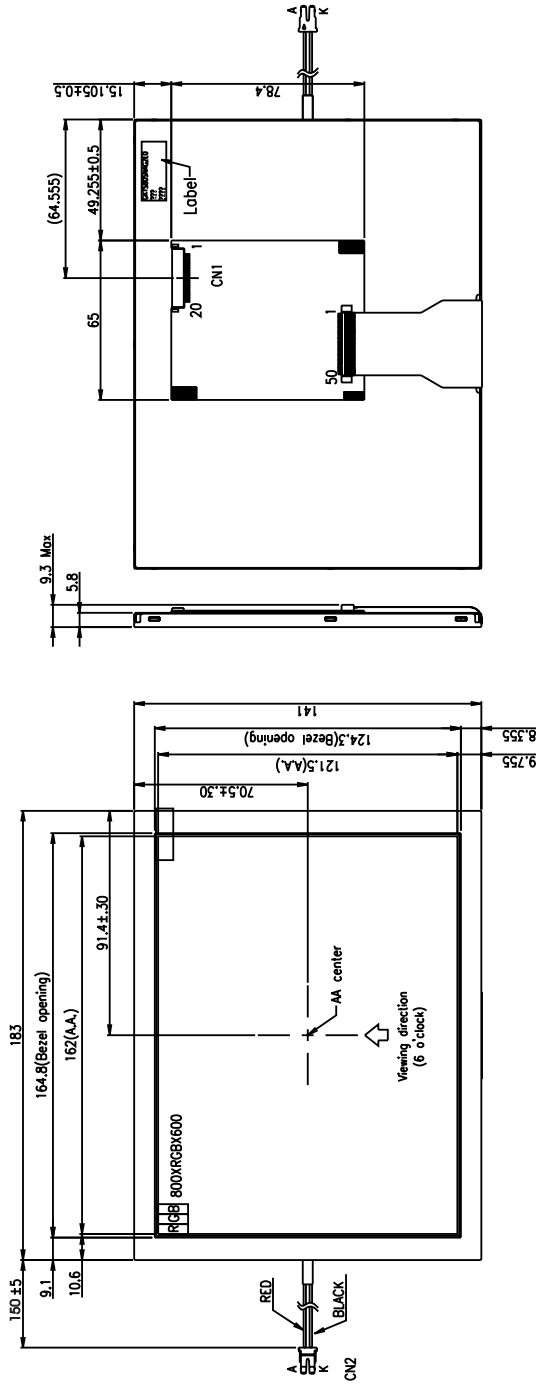
## Pin Connections

PIN NO.	SYMBOL		FUNCTION
1	VCC	-	+3.3V Power Supply
2	VCC	-	+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	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	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

## Dimensional Outlines

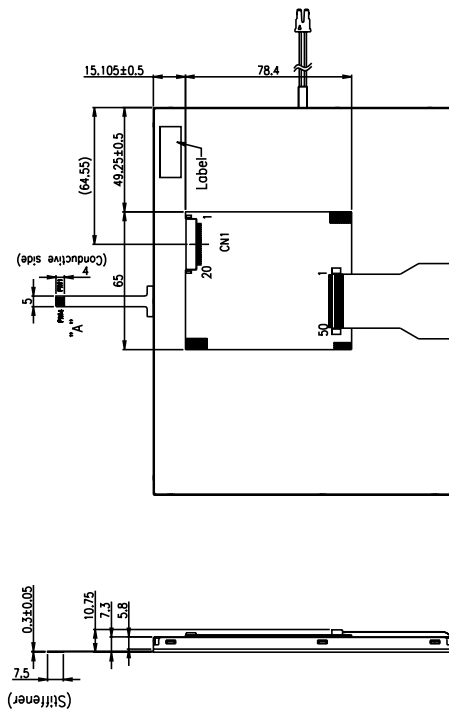


No.	Pin Name
1	VCC
2	VCC
3	GND
4	GND
5	RXIN0-
6	RXIN0+
7	GND
8	RXIN1-
9	RXIN1+
10	GND
11	RXIN2-
12	RXIN2+
13	GND
14	CXIN-
15	CXIN+
16	GND
17	NC
18	NC
19	GND
20	GND

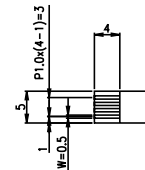
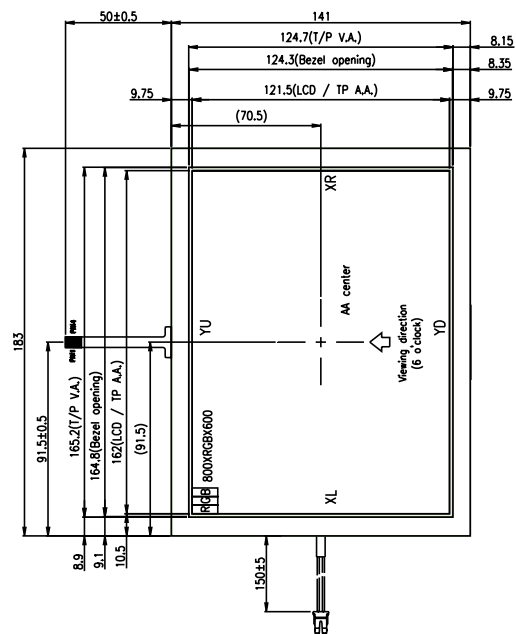
CN1 : MSB24013P20A  
 CN2 : JST BHSR-02VS-1  
 or compatible

With TOUCH SCREEN

## Dimensional Outlines



CN1 : MSB24013P20A  
 CN2 : JST BHSR-02VS-1  
 or compatible



Detail A  
 Scale 3:1

Pin #	TP Assignment
1	YU
2	XR
3	YU
4	XL

No.	Pin Name
1	VCC
2	VCC
3	GND
4	GND
5	RVND-
6	RVND+
7	GND
8	RVN1-
9	RVN1+
10	GND
11	RVN2-
12	RVN2+
13	GND
14	CVN-
15	CVN+
16	GND
17	NC
18	NC
19	GND
20	GND