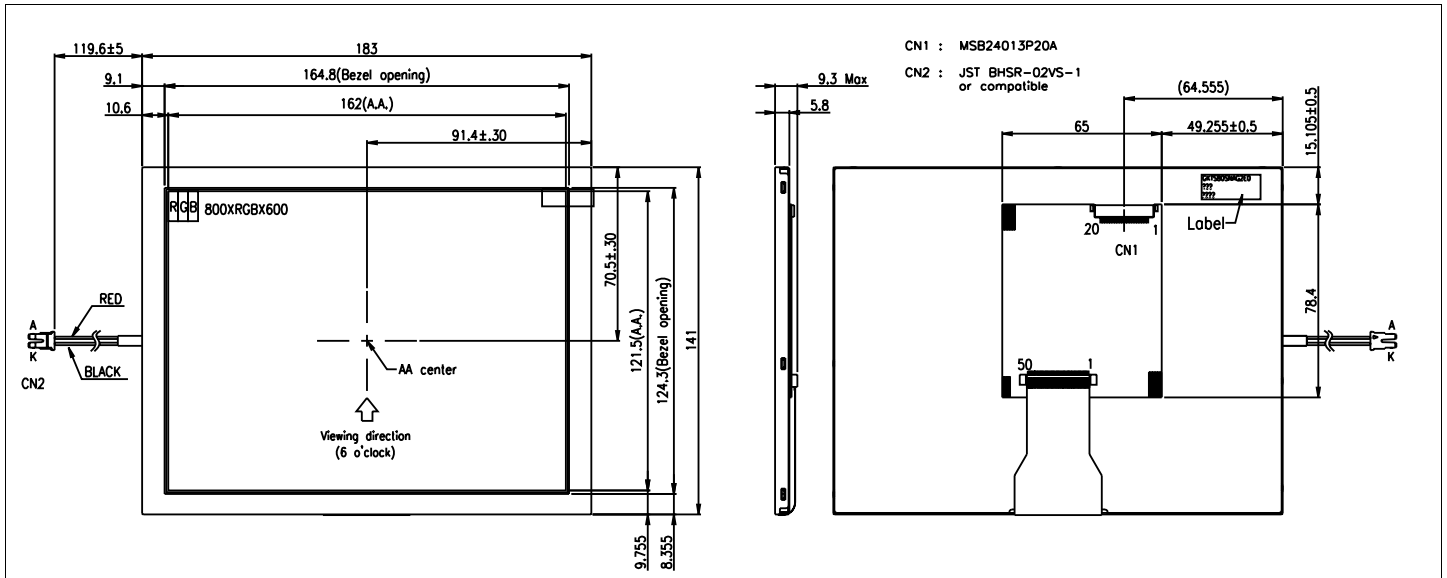


HDA800S-GL

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 Screenoptional
 High Brightness option.....1300 cd/m

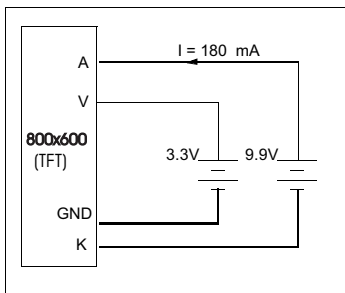
Physical Data

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.....TBD

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

| PARAMETER | SYM | CONDITION | MIN | TYP | MAX | UNIT |
|---------------------------|-------------------|------------------------|-----|-----|------|-------------------|
| OPERATING VOLTAGE | V _{CC} | - | 3.0 | 3.3 | 3.6 | V |
| OPERATING VOLTAGE(WLED) | V _{WLED} | - | - | 9.9 | - | V |
| INPUT DIF. VOLTAGE (LVDS) | V _{ID} | - | 100 | - | - | mV |
| INPUT COM. MODE VOLT. | V _{CM} | - | - | - | 1.40 | V |
| OPERATING CURRENT | I _{CC} | V _{CC} = 3.3V | - | 220 | TBD | mA |
| OPERATING CURRENT (WLED) | I _{WLED} | - | - | 180 | - | mA |
| POWER CONSUMPTION | P | - | - | 2.5 | - | W |
| BRIGHTNESS | L | - | 320 | 400 | - | cd/m ² |

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

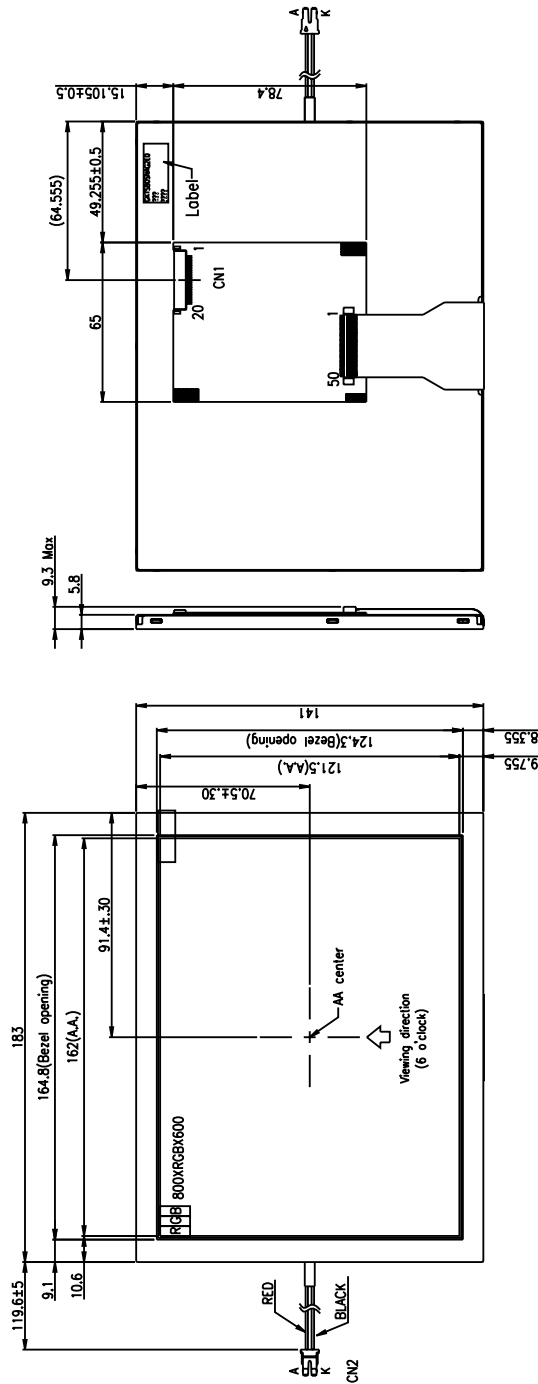
| PARAMETER | SYMBOL | MIN | MAX | UNIT |
|-----------------------|------------------|------|-----|------|
| SUPPLY VOLTAGE | V _{CC} | -0.5 | 4.0 | V |
| INPUT VOLTAGE | V _{IN} | -0.5 | 4.0 | V |
| OPERATING TEMPERATURE | T _{OP} | -20 | +70 | °C |
| STORAGE TEMPERATURE | T _{STG} | -30 | +80 | °C |

HDA800S-GL

Dimensional Drawing

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

Dimensional Outlines

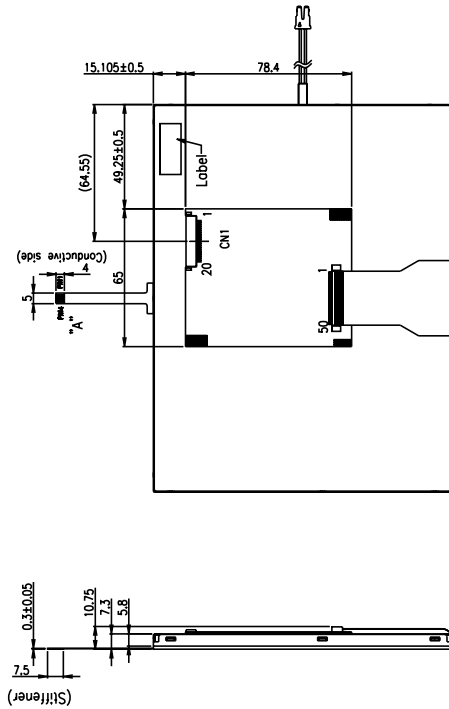


| No. | Pin Name |
|-----|----------|
| 1 | VCC |
| 2 | VCC |
| 3 | GND |
| 4 | GND |
| 5 | RXIN0- |
| 6 | RXIN0+ |
| 7 | GND |
| 8 | RXIN1- |
| 9 | RXIN1+ |
| 10 | GND |
| 11 | RXIN2- |
| 12 | RXIN2+ |
| 13 | GND |
| 14 | CXIN- |
| 15 | CXIN+ |
| 16 | GND |
| 17 | NC |
| 18 | NC |
| 19 | GND |
| 20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

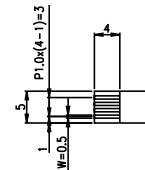
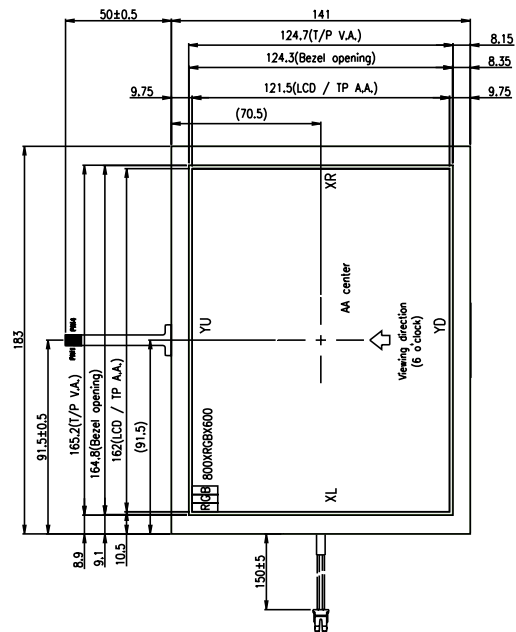
CN1 : MSB24013P20A
 CN2 : JST BHSR-02VS-1
 or compatible

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 | RVND- |
| 9 | RVND+ |
| 10 | GND |
| 11 | RVND- |
| 12 | RVND+ |
| 13 | GND |
| 14 | CVND- |
| 15 | CVND+ |
| 16 | GND |
| 17 | NC |
| 18 | NC |
| 19 | GND |
| 20 | GND |