Next Vision Display
Brighten The Future

NEXT VISION DISPLAY

SPECIFICATION

CUSTOMER : _____

MODULE NO.: NT104-N001EV

Version	
Engineer	
Date	

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Customer:
Approved by

NEXT VISION DISPLAY CO., LTD.

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Features

- XGA (1024×768 pixels) resolution
- 6 bit & 8 bit LVDS Interface
- LED driver circuit is built in this module to provide PWM Dimmer function.

General Specifications

Item	Specifications	Unit
Screen Size	10.4	inch
Display Format	1024RGB(H)×768(V)	dot
Active Area	211.2(H)×158.4(V)	mm
Pixel Pitch	0.206(H)×0.206(V)	mm
Pixel Configuration	RGB Vertical Stripe	-
Display Mode	IPS Type/ Transmissive Mode / Normally Black	-
Surface Treatment	Anti-Glare	-
Viewing Direction	Full view angle	-
Outline Dimension	230.0(W)×180.2(H)×12.9(D)	mm
Weight	(420)	g
RoHS Compliance	RoHS Compliance	-

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Input / Output Terminals Pin Assignment

TFT-LCD Module

Pin No.	Symbol	Description
1	VCC	Power supply
2	VCC	Power supply
3	GND	Ground
4	GND	Ground
5	RIN0-	LVDS Signal (-) Channel 0
6	RIN0+	LVDS Signal (+) Channel 0
7	GND	Ground
8	RIN1-	LVDS Signal (-) Channel 1
9	RIN1+	LVDS Signal (+) Channel 1
10	GND	Ground
11	RIN2-	LVDS Signal (-) Channel 2
12	RIN2+	LVDS Signal (+) Channel 2
13	GND	Ground
14	RCLK-	LVDS Clock Signal (-)
15	RCLK+	LVDS Clock Signal (+)
16	GND	Ground
17	RIN3-	LVDS Signal (-) Channel 3
18	RIN3+	LVDS Signal (+) Channel 3
19	MODE	Low=ISP 6 bit compatibility mode High=ISP 8 bit compatibility mode Note2
20	SC	Scan direction control. (Low : Normal , High : Reverse) Note3

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Backlight Unit

Pin No.	Symbol	Description
1	VLED	Backlight LED Anode.
2	VLED	Backlight LED Cathode.
3	GND	Ground
4	GND	Ground
5	BLEN	Enable pin
6	PWM	PWM dimming,Note1

Note 1: To use PWM dimming, apply a 100Hz to 1kHz square wave signal with amplitude greater than 1.5V to this pin.

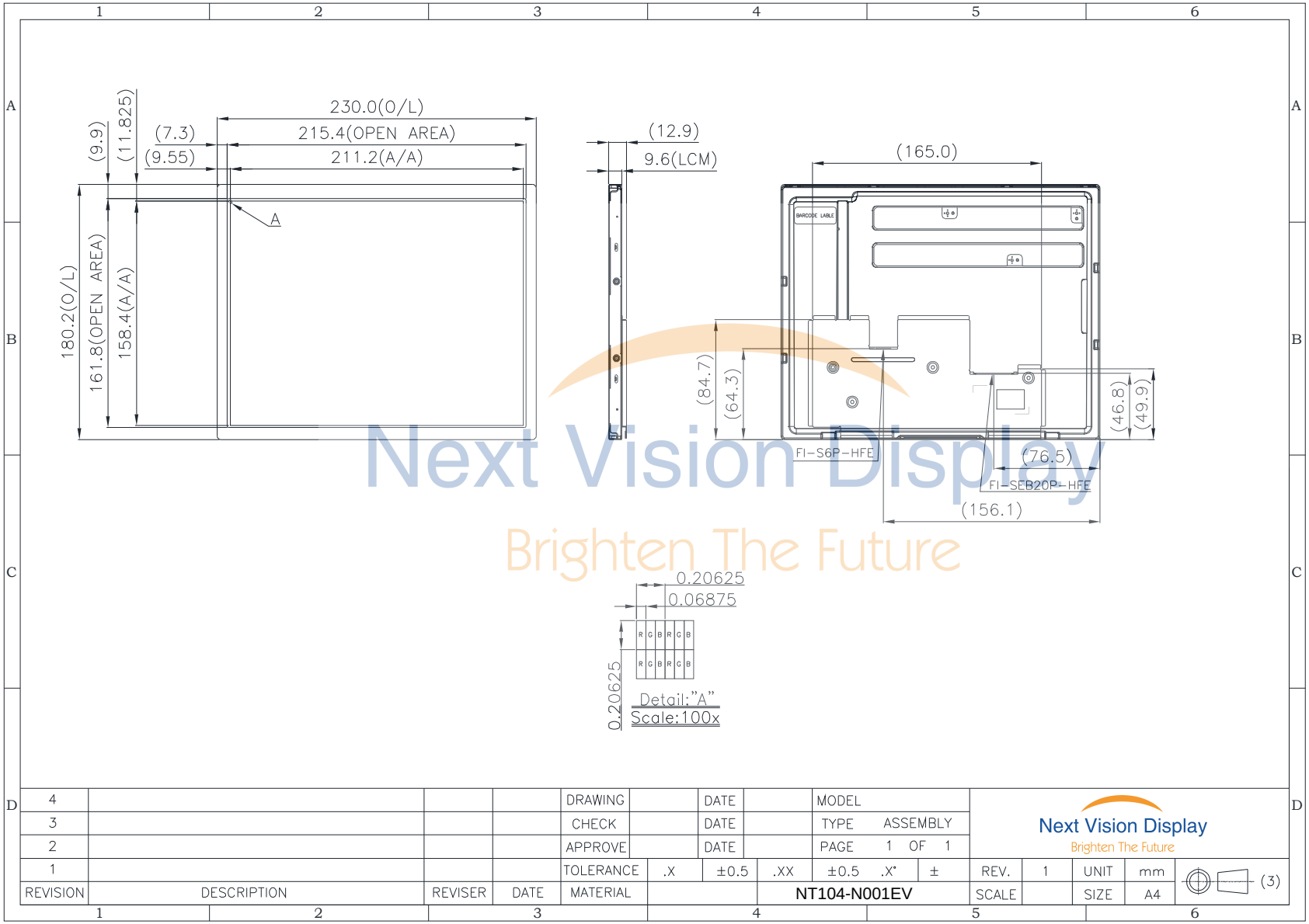
Optical Characteristics

The optical characteristics should be measured in a dark environment (≦ 1 lux) or equivalent state with the methods shown in Note (4).

Item		Symbol	Conditions	Min.	Typ.	Max.	Unit	Note
Contrast Ratio		CR	θ_x=0°, θ_Y =0° Viewing Normal Angle	600	(900)	-	-	(2)
Response Time		T_R		-	30	40	ms	(3)
		T_F						
Luminance(Center)		Y		800	(1000)	-	cd/m^2	(4)
Brightness uniformity		BUNI		75	(80)	-	%	(5)
Color Chromaticity	Red	Rx		0.600	0.650	0.700	-	(1),(4)
		Ry		0.290	0.340	0.390	-	
	Green	Gx		0.265	0.315	0.365	-	
		Gy		0.580	0.630	0.680	-	
	Blue	Bx		0.009	0.140	0.190	-	
		By		0.065	0.115	0.165	-	
	White	Wx		0.270	0.320	0.370	-	
		Wy		0.310	0.360	0.410	-	
Viewing Angle	Horizontal	θ_x+	CR≥10	80	(85)	-	deg.	
		θ_x-		80	(85)	-		
	Vertical	θ_Y+		80	(85)	-		
		θ_Y-		80	(85)	-		

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Outline Drawing



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