Next Vision Display
Brighten The Future

NEXT VISION DISPLAY

SPECIFICATION

CUSTOMER : _____

MODULE NO.: NT043-N001ER

Version	1.0
Engineer	
Date	10-10-2018

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Customer:
Approved by

NEXT VISION DISPLAY CO., LTD.

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SPECIFICATION

Item	Standard Value	Unit
Display Format	800x(RGB)x480 Dots	--
Display Connector	FPC	--
FPC Connector	40 Pin 0.5mm Pitch Bottom Contact ZIF Connector	--
Operating Temperature	-20 ~ +70	℃
Storage Temperature	-30 ~ +80	℃
Touch Panel Optional	Yes	--
Sunlight Readable	No	--

2.2 Mechanical Specification

Item	Standard Value	Unit
Diagonal Size	4.3	Inch
Outline Dimension with FPC Folded	105.5(W)X67.20(H)x2.8(T)	mm
Visual Area	97.63X56.55	mm
Active Area	95.04X53.86	mm
Dot Pitch	0.1188(W)x0.1122(H)	mm

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2.3 Electrical Specification

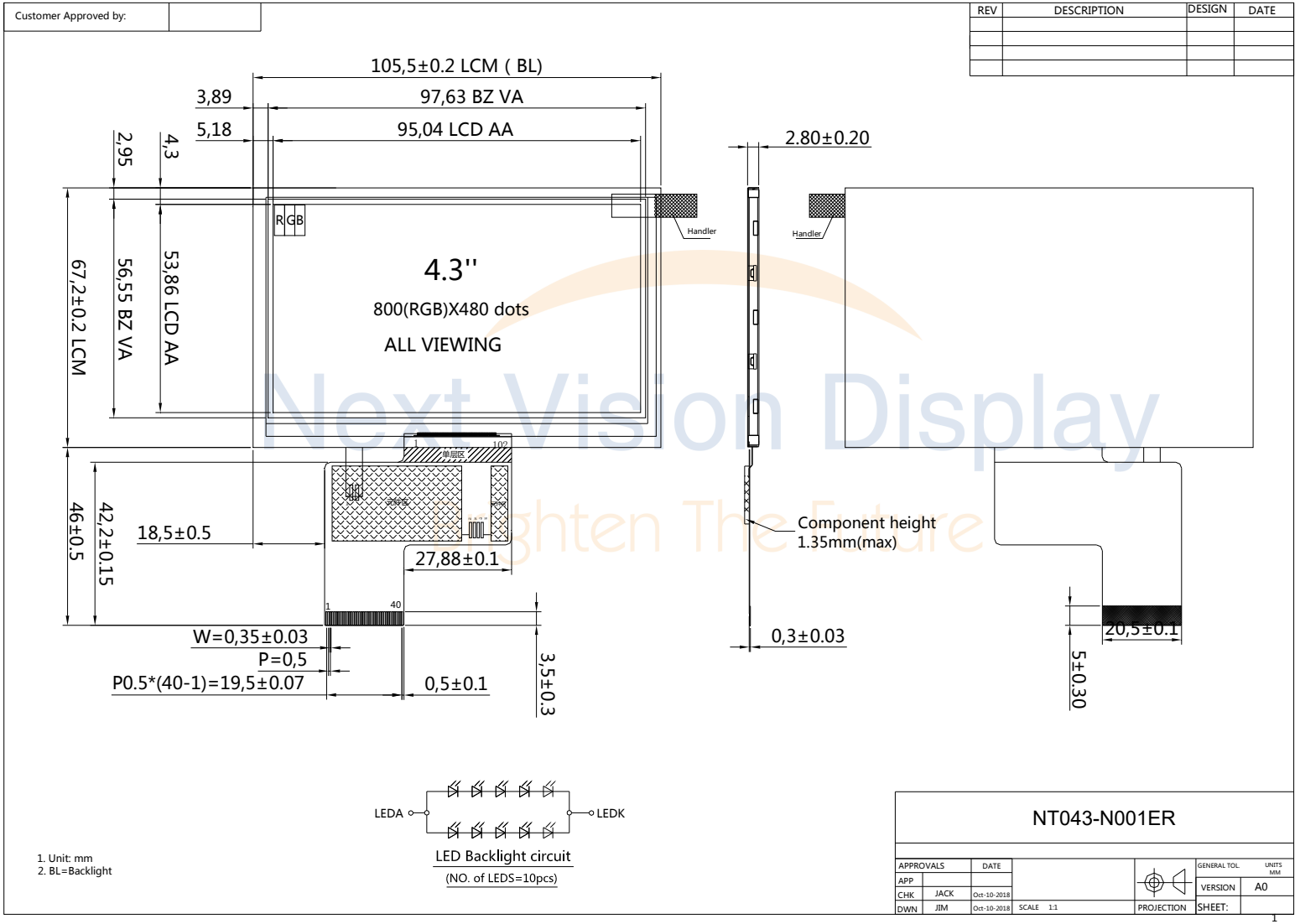
Item	Standard Value	Unit
IC Package	COG	--
Controller	NV3858GBC	--
Interface	RGB	--
Response Time (Typ)	15	MS

2.4 Optical Specification

Item	Standard Value	Unit
LCD Type	TFT-LCD /Transmissive / IPS	--
Viewing Angle Range	Left:80 , Right:80 , Up:80 , Down:80	Deg
Colors	65k/262k/16.7M	--
Contrast Ratio (Typ)	500:1	--
Brightness (Typ)	350	Cd/m2

OUTLINE DRAWING

No Touch Panel Outline Drawing



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ELECTRICAL SPEC

1 Pin Configuration

Pin No	Pin Name	Descriptions
1	VLED-	LED Cathode
2	VLED+	LED Anode
3	GND	Ground
4	VDD	Power Supply
5-12	R0~R7	Red Data
13-20	G0~G7	Green Data
21-28	B0~B7	Blue Data
29	GND	Ground
30	PCLK	Clock
31	DISP	Disp="on" when pin 31 is connected with high-level. Disp="off" when pin 31 is connected with low-level.
32	HSYNC	Horizontal sync input in RGB mode. (Short to GND if not used)
33	VSYNC	Vertical sync input in RGB mode. (Short to GND if not used)
34	DE	Data Enable
35	NC	NC
36	GND	Ground
37	XR	X_ Right (This pin is used for resistive touch panel and active when the FPC of touch panel is connected with the FPC of display, otherwise it’ s no connection)
38	YD	Y_ Down (This pin is used for resistive touch panel and active when the FPC of touch panel is connected with the FPC of display, otherwise it’ s no connection)
39	XL	X_ Left (This pin is used for resistive touch panel and active when the FPC of touch panel is connected with the FPC of display, otherwise it’ s no connection)
40	YU	Y_ Up (This pin is used for resistive touch panel and active when the FPC of touch panel is connected with the FPC of display, otherwise it’ s no connection)