Next Vision Display
Brighten The Future

NEXT VISION DISPLAY

SPECIFICATION

CUSTOMER : _____

MODULE NO.: NT070-N001ER

Version	1.0
Engineer	
Date	04/15/2020

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Customer:
Approved by

NEXT VISION DISPLAY CO., LTD.

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MARKETING: marketing@nextvisiondisplay.com
SALES: sales@nextvisiondisplay.com

SPECIFICATION

1 Display Specification

Item	Standard Value	Unit
Display Format	800xRGBx480	Dots
Operating Temperature	-20 ~ +70	℃
Storage Temperature	-30 ~ +80	℃
Touch Panel	**No**	--
Sunlight Readable	No	--

2 Mechanical Specification

Item	Standard Value	Unit
Diagonal Size	7	Inch
Outline Dimension with FPC Folded	164.90(W) x 100.00(H)x 3.4(T)	mm
Visual Area	156.72(W)x88.99(H)	mm
Active Area	154.08(W)x85.92(H)	mm
Dot Pitch	0.1926(W)x0.179(H)	mm

3 Electrical Specification

Item	Standard Value	Unit
IC Package	COG	--
Controller	ILI6122	--
Interface	RGB	--
Response Time (Typ)	10	MS

4 Optical Specification

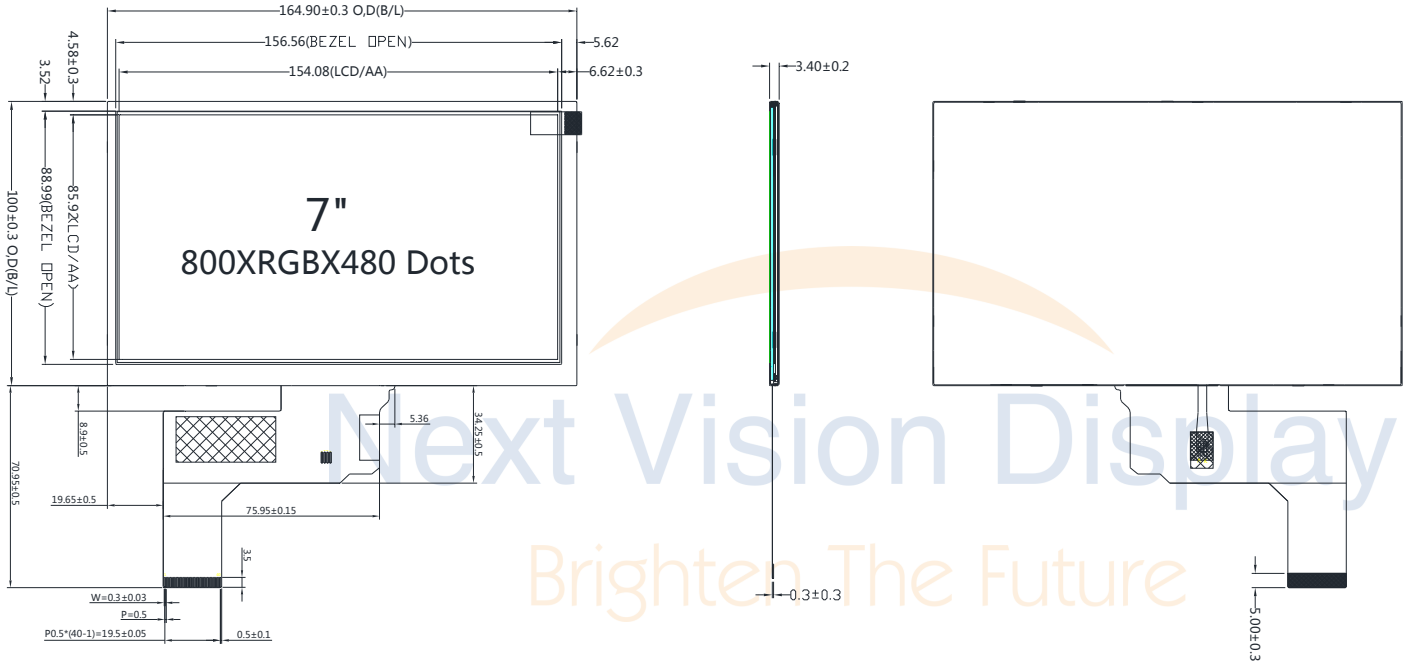
Item	Standard Value	Unit
LCD Type	TFT-LCD / Transmissive / TN	--
Viewing Angle Range	Left:60 , Right:60 , Up:60 , Down:60	Deg
Colors	65k/262k/16.7M	--
Contrast Ratio (Typ)	500:1	--
Brightness (Typ)	200	cd/m2

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OUTLINE DR AWING

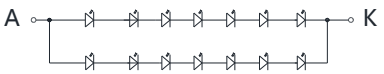
No Touch Panel Outline Drawing

REV	DESCRIPTION	DESIGN	DATE
A	1'ST DESIGN	JAVEN	Apr-14-2020



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1.Unit: mm
2.BL=Backlight
3.OD=Outline Dimension
4.AA=Active Area



Circuit Diagram:
VF:21.6V(40mA）

NT070-N001ER

APPROVALS		DATE	MODEL NUMBER :		GENERAL TOL.	UNITS MM
APP					SCALE: N.T.S.	
CHK						
DWN	JIM	Apr-14-2020	DO NOT SCALE THIS DRAWING.	PROJECTION	SHEET:	1

ELECTRICAL SPEC

Pin Configuration for TFT LCD

Pin No	Pin Name	Description
1	LEDK	LED Cathode
2	LEDA	LED Anode
3	GND	Ground
4	VDD	Power supply(Digital +3.0V)
5~12	R0~R7	Red Data
13~20	G0~G7	Green Data
21~28	B0~B7	Blue Data
29	GND	Ground
30	CLK	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	DEN	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)