Next Vision Display
Brighten The Future

NEXT VISION DISPLAY

SPECIFICATION

CUSTOMER : _____

MODULE NO.: NT043-R001ER

Version	1
Engineer	
Date	2013-05-08

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Customer:
Approved by

NEXT VISION DISPLAY CO., LTD.

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1. SPECIFICATION

1.1 Display Specification

ITEM	STANDARD VALUE	UNIT
Display Format	480（RGB）x 272 Dots	--
Display Connector	FPC-Connector	--
FPC Connector	40 Pin,0.5mm Pitch, SMD Horizontal Type Top Contact	--
Operating Temperature	-20 ~ +70	℃
Storage Temperature	-30 ~ +80	℃
Touch Panel Optional	Yes	--
Sunlight Readable	No	--

1.2 Mechanical Specification

ITEM	STANDARD VALUE	UNIT
Diagonal Size	4.3”	inch
Outline Dimension with FPC Folded	105.4(W) x67.1 (H)	mm
Active Area	95.04 (W) x 53.856(H)	mm
Pixel Pitch	0.198(W) x 0.198(H)	mm
Gross Weight	127	g

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1.3 Electrical Specification

ITEM	STANDARD VALUE	UNIT
IC Package	COG	--
Driver	NV3047 equivalent with HX8257	--
Interface	RGB Interface	--
Response Time (Typ)	15	ms

1.4 Optical Specification

ITEM	STANDARD VALUE	UNIT
LCD Type	TFT-LCD / Transmissive / Positive	--
Viewing Angle Range	Left:70, Right:70, Up:50, Down:50	deg
Colors	65K/262K/16.7M	--
Contrast Ratio (Typ)	400:1	--
Brightness (Typ)	350	cd/m2

2. ELECTRICAL SPEC.

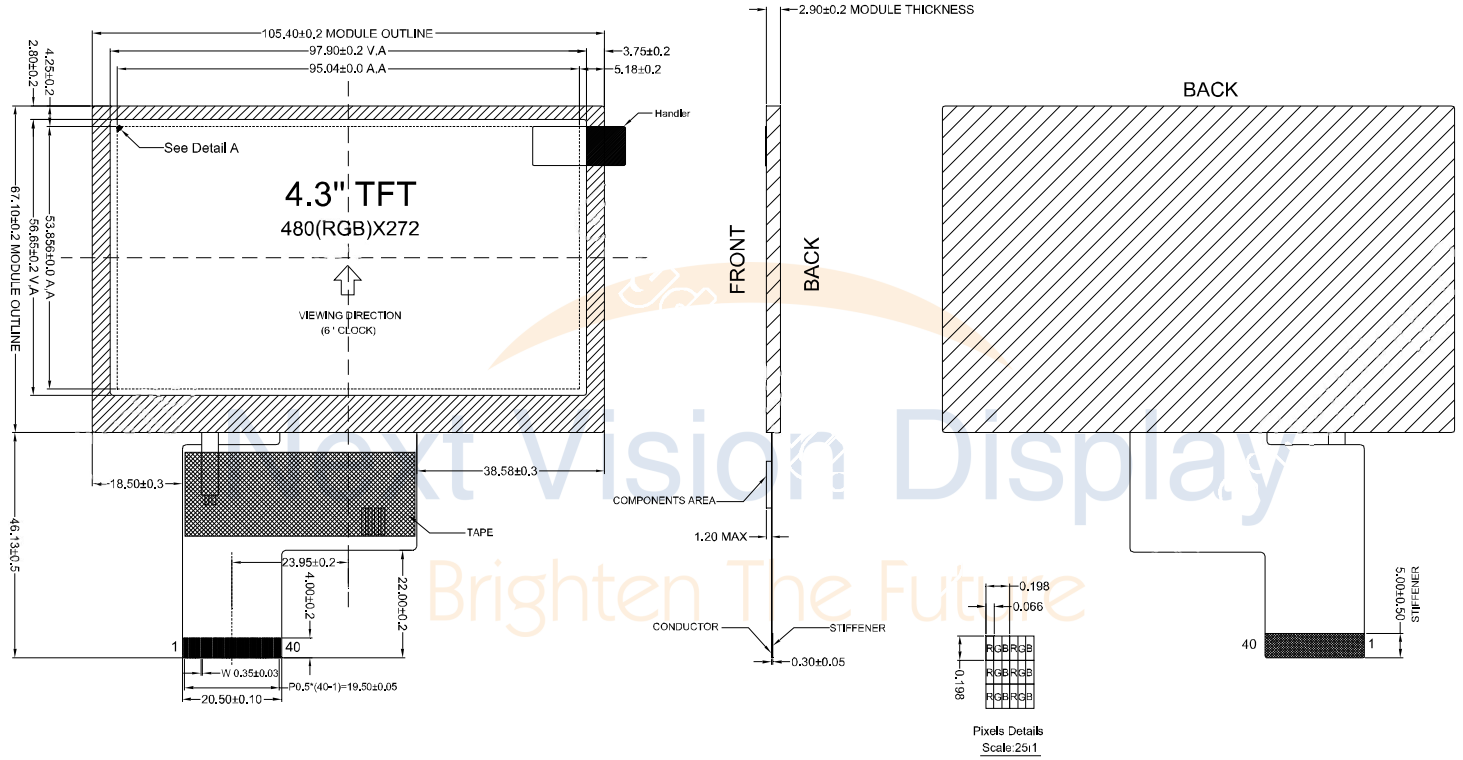
2.1 Pin Configuration

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)

3 OUTLINE DRAWING

Customer Approved by:	

REV	DESCRIPTION	DESIGN	DATE
A0	1'ST DEGIN	JAVEN	2013.05.09



NT043-R001ER						
APPROVALS		DATE			GENERAL TOL.	UNITS MM
APP						
CHK	JACK	13 05 08			VERSION	A0
DWN	JIM	13 05 08	SCALE 1/1	PROJECTION	SHEET:	1

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