Next Vision Display
Brighten The Future

NEXT VISION DISPLAY

SPECIFICATION

CUSTOMER : _____

MODULE NO.: NT022-N001DL

Version	1.0
Engineer	
Date	2015-07-13

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Customer:
Approved by

NEXT VISION DISPLAY CO., LTD.

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1. Scope

This data sheet is to introduce the specification of NT022-N001DL active matrix 262k color TFT module. It is composed of a color TFT-LCD panel, driver ICs, FPC and a backlight unit. The 2.2″ display area contains 320 (RGB) x 320 pixels.

2. Application

Digital equipments which need color display outdoor, mobile navigator/video systems.

3. General Information

Item	Contents	Unit
Size	2.2	inch
Resolution	320(RGB) X 320	/
Interface	RGB 16 bits	/
Color Depth	262K dithering	/
Technology type	a-si TFT	/
Pixel pitch	0.123x0.123	mm
Pixel Configuration	R.G.B. Vertical Stripe	
Outline Dimension (W x H x D)	47.40x51.85x2.50	mm
Active Area	39.36 x39.36	mm
Display Mode	Transflective, Normal black	/
Viewing Direction	6 ~7o'clock	/
Backlight Type	LED	/
Driver IC	LG4545	/
Weight	TBD	g

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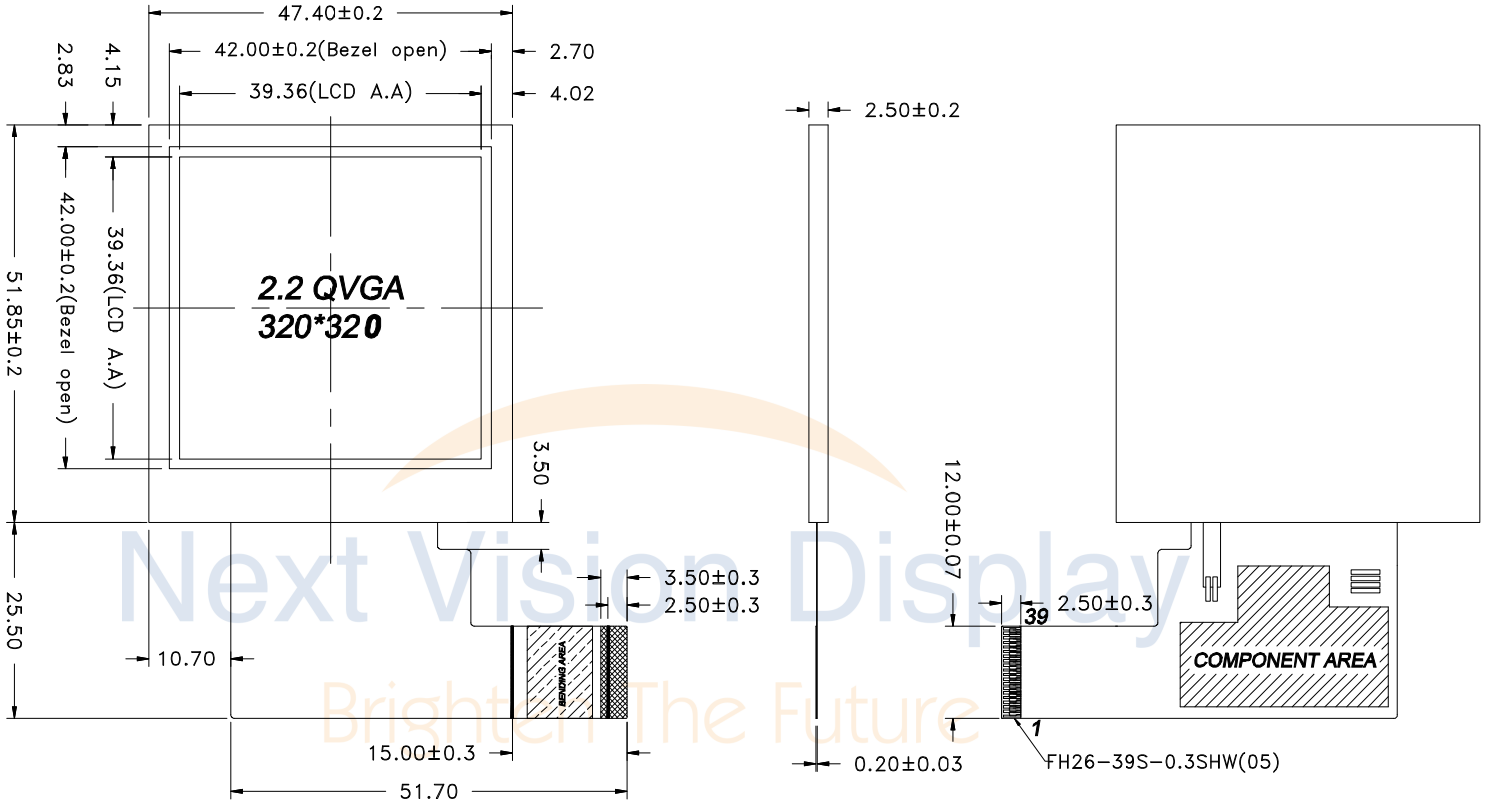
4. Interface signals

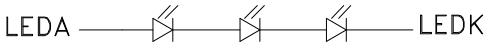
Pin	SYMBOL	I/O, Power, Analog	Description
1	YD(NC)	/	No connection
2	XL(NC)	/	No connection
3	YU(NC)	/	No connection
4	XR(NC)	/	No connection
5	RESET	I	LCD Reset
6	PCI	I	Power Control In
7	Vss	Power	Ground reference (0V)
8	PCLK	I	Pixel Clock
9	Vss	Power	Ground reference (0V)
10	HSYNC	I	Horizontal Sync Signal
11	VSYNC	I	Vertical Sync Signal
12	Vss	Power	Ground reference (0V)
13	R5	I	Red Data
14	R4	I	Red Data
15	R3	I	Red Data
16	R2	I	Red Data
17	R1/ID1	I/O	Red Data / ID Bit 1
18	Vss	Power	Ground reference (0V)
19	G5	I	Green Data
20	G4	I	Green Data
21	G3	I	Green Data
22	G2	I	Green Data
23	G1	I	Green Data
24	G0	I	Green Data
25	Vss	Power	Ground reference (0V)
26	B5	I	Blue Data
27	B4	I	Blue Data
28	B3	I	Blue Data
29	B2	I	Blue Data
30	B1/ID2	I/O	Blue Data / ID Bit 2
31	LCD_ON	I	Switches LCD on (active low)
32	LED_Anode	I	LED Anode
33	LED_Cathode	I	LED Cathode
34	Vss	Power	Ground reference (0V)
35	VDD	Power	Digital Power Supply (3.0V)
36	Vss	Power	Ground reference (0V)
37	Vss	Power	Ground reference (0V)
38	Vss	Power	Ground reference (0V)
39	Vss	Power	Ground reference (0V)

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5. Outline Drawing

No:	PIN NAME
1	YD(NC)
2	XL(NC)
3	YU(NC)
4	XR(NC)
5	RESET
6	PCI
7	VSS
8	PCLK
9	VSS
10	HSYNC
11	VSYNC
12	VSS
13	R5
14	R4
15	R3
16	R2
17	R1/ID1
18	VSS
19	G5
20	G4
21	G3
22	G2
23	G1
24	G0
25	VSS
26	B5
27	B4
28	B3
29	B2
30	B1/ID2
31	LCD_ON
32	LEDA
33	LEDK
34	VSS
35	VDD
36	VSS
37	VSS
38	VSS
39	VSS





LED CIRCUIT DIAGRAM

NOTES:
1. DISPLAY TYPE: a-Si TFT
2. DISPLAY MODULE : Transflective, Normally Black
3. BACKLIGHT: LED
4. OPERATING TEMP: -10°C ~ 60°C
5. STORAGE TEMP: -20°C ~ 70°C
6. RoHs Complicant

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DRAWN BY:	NT022-N001DL		
CHECKED BY:			SCALE:
APPROVED BY:	DWG NO:		UNIT: mm
CONFIRMED BY:	DWG NAME:	SHEET NO:	OF

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