Next Vision Display
Brighten The Future

NEXT VISION DISPLAY

SPECIFICATION

CUSTOMER : _____

MODULE NO.: NT024-N001PT

Version	004
Engineer	
Date	2012-12-12

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Customer:
Approved by

NEXT VISION DISPLAY CO., LTD.

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1. SPECIFICATIONS

1.1 Features

Main LCD Panel

Item	Standard Value
Display Type	240 * (R、G、B) * 320 Dots
LCD Type	a-Si TFT , Normally White TN , Transmissive
Screen size(inch)	2.4 (Diagonal)
Viewing Direction	12 O'clock
Color configuration	R.G.B. vertical stripe
Backlight	White LED
Interface	8 Bit Interface for i80system
Driver IC	ILI9341
ROHS	THIS PRODUCT CONFORMS THE ROHS OF PTC

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1.2 Mechanical Specifications

Item	Standard Value	Unit
Outline Dimension	42.32 (W) * 60.06 (L) * 2.4 (H)	mm

LCD Panel

Item	Standard Value	Unit
Viewing Area	37.72 (W) * 49.96(L)	mm
Active Area	36.72(W) * 48.96(L)	mm

Note : For detailed information please refer to LCM drawing

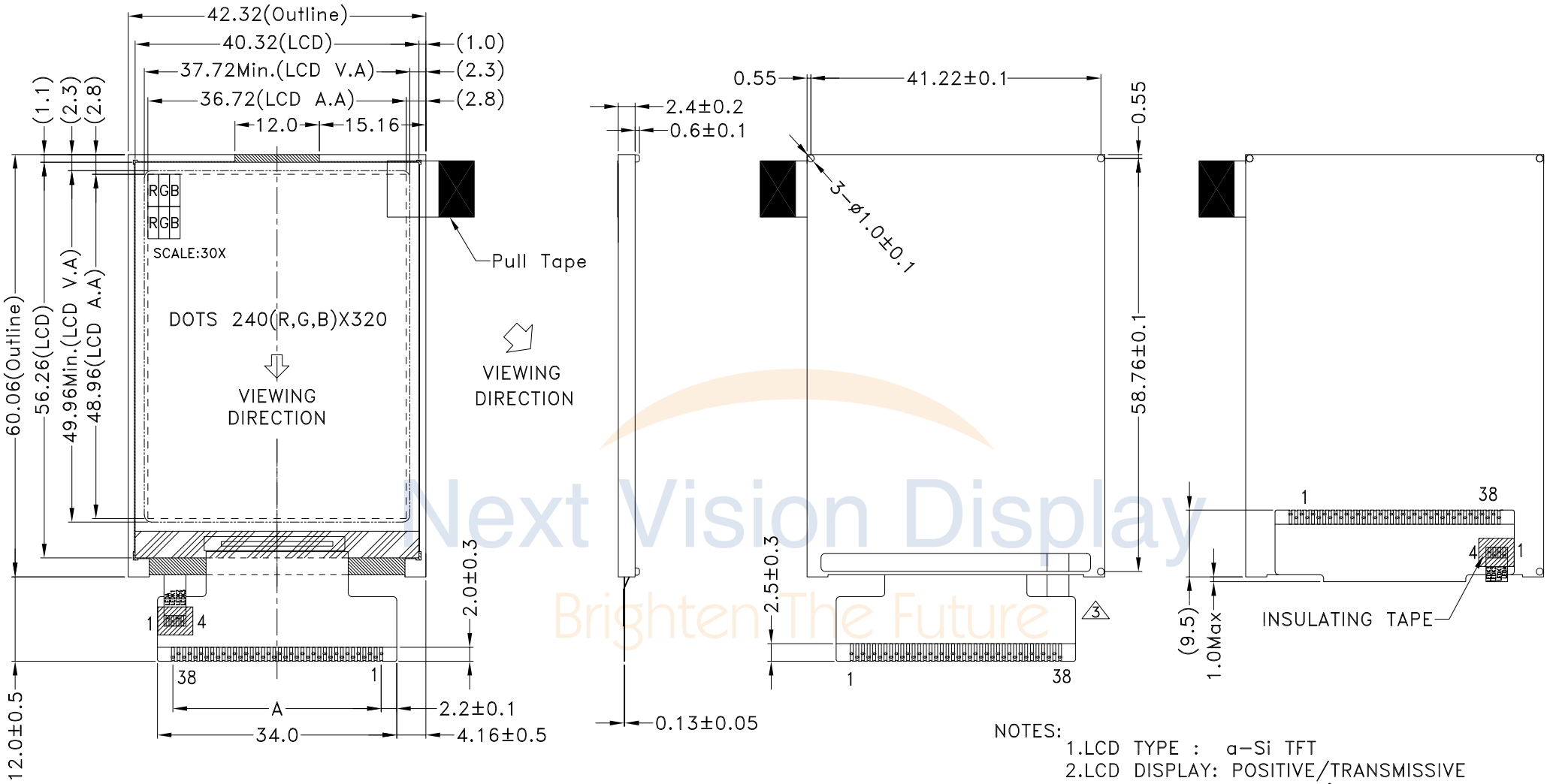
2. Interface Pin Description

Pin No.	Symbol	Function
1	GND	System Ground.(0V)
2	RESET	This signal will reset the device and must be applied to properly initialize the chip. Signal is active low.
3	DB7	Bi-directional data bus.
4	DB6	Bi-directional data bus.
5	DB5	Bi-directional data bus.
6	DB4	Bi-directional data bus.
7	DB3	Bi-directional data bus.
8	DB2	Bi-directional data bus.
9	DB1	Bi-directional data bus.
10	DB0	Bi-directional data bus.
11	RD	Serves as a read signal and MCU read data at the rising edge.
12	/WR	Serves as a write signal and writes data at the rising edge.
13	RS	When RS = ’1’, data is selected. When RS = ’0’, command is selected.
14	/CS	Chip select input pin (“Low” enable).
15	VDD_C1	Not Connect.
16	VCOMH_C2	Not Connect.
17	VCOML_C3	Not Connect.
18	GVDD_C4	Not Connect.
19	VCL_C5	VCL pad. Place a 1uF/10V capacitor to GND.
20	AVDD_C6	AVDD pad. Place a 1uF/10V capacitor to GND.
21	VCI1_C7	VCI1 pad. Place a 1uF/10V capacitor to GND.
22	C12N	Place a 1uF/10V capacitor between C12N and C12P.

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Pin No.	Symbol	Function
23	C12P	Place a 1uF/10V capacitor between C12P and C12N.
24	C11N	Place a 1uF/10V capacitor between C11N and C11P.
25	C11P	Place a 1uF/10V capacitor between C11P and C11N.
26	VGL_C10_D1	VGH pad. Place a 1uF/25V capacitor to GND.
27	VGH_C11	VGL pad. Place a 1uF/25V capacitor to GND.
28	C21N	Place a 1uF/10V capacitor between C21N and C21P.
29	C21P	Place a 1uF/10V capacitor between C21P and C21N.
30	C22N	Place a 1uF/25V capacitor between C22N and C22P.
31	C22P	Place a 1uF/25V capacitor between C22P and C22N.
32	C31N	Place a 1uF/25V capacitor between C31N and C31P.
33	C31P	Place a 1uF/25V capacitor between C31P and C31N.
34	LEDA	Power supply for LED Backlight Anode input.
35	LEDK1	Power supply for LED Backlight Cathode input.
36	LEDK2	Power supply for LED Backlight Cathode input.
37	LEDK3	Power supply for LED Backlight Cathode input.
38	VDD	Power supply.(2.8V) .

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NOTES:

1. LCD TYPE : a-Si TFT
2. LCD DISPLAY: POSITIVE/TRANSMISSIVE
3. VIEW DIRECTION: 12 O'CLOCK
4. The tolerance unless classified ±0.3mm
   The R for not assigned 0.5±0.1mm
5. IC No.: ILI9341 OR COMPATIBLE DRIVER IC
6. A:P0.8*37=29.6±0.05;W=0.4±0.05

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REV	REV BY	REVISER	DATE
007			
006			
005			
004			
003	Modify Drawing	Mandy	2012/11/21
002	Modify TFT Size	Mandy	2012/08/20
001	NEW DRAWING	Mandy	2012/08/03

PART NO: NT024-N001PT

DRAWING NAME :

TITLE: NT024-N001PT
LCD MODULE DRAWING

Design	Mandy Chang	Surface	
Check	Tina Chen	Unit	MM
Approve	Linda Lee	Material	
Scale	FIT	Thickness	
Page	1/1	Quantity	

(3)

Length(Min) (mm) \ Precision Tolerance	Precision Level
1 ~ 4	-
4 ~ 16	-
16 ~ 63	-
63 ~ 250	-
250 ~ 1000	-

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PT-A-054-01