Next Vision Display
Brighten The Future

NEXT VISION DISPLAY

SPECIFICATION

CUSTOMER : _____

MODULE NO.: NT024-R002PT

Version	011
Engineer	
Date	2014-12-26

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Customer:
Approved by

NEXT VISION DISPLAY CO., LTD.

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1. SPECIFICATIONS

1.1 Features

Item	Standard Value
Display Type	240 (R、G、B) *320 Dots
LCD Type	a- si TFT，Positive，Transmissive
Screen size(inch)	2.4 (Diagonal)
Viewing Direction	12 O'clock
Color configuration	R. G. B. vertical stripe
Backlight	White LED
Interface	16 Bits data bus
Driver IC	ST7789S(Sitronix)
ROHS	THIS PRODUCT CONFORMS THE ROHS OF PTC

1.2 Mechanical Specifications

Item	Standard Value	Unit
Outline Dimension	42.72 (W) * 60.26 (L) * 3.85 (H) Max	mm

LCD Panel & Touch Panel

Item	Standard Value	Unit
Viewing Area (TP)	38.32 (W) * 50.26 (L)	mm
Active Area (TP)	37.52 (W) * 49.76 (L)	mm
Active Area (LCD)	36.72 (W) * 48.96 (L)	mm

Note : For detailed information please refer to LCM drawing

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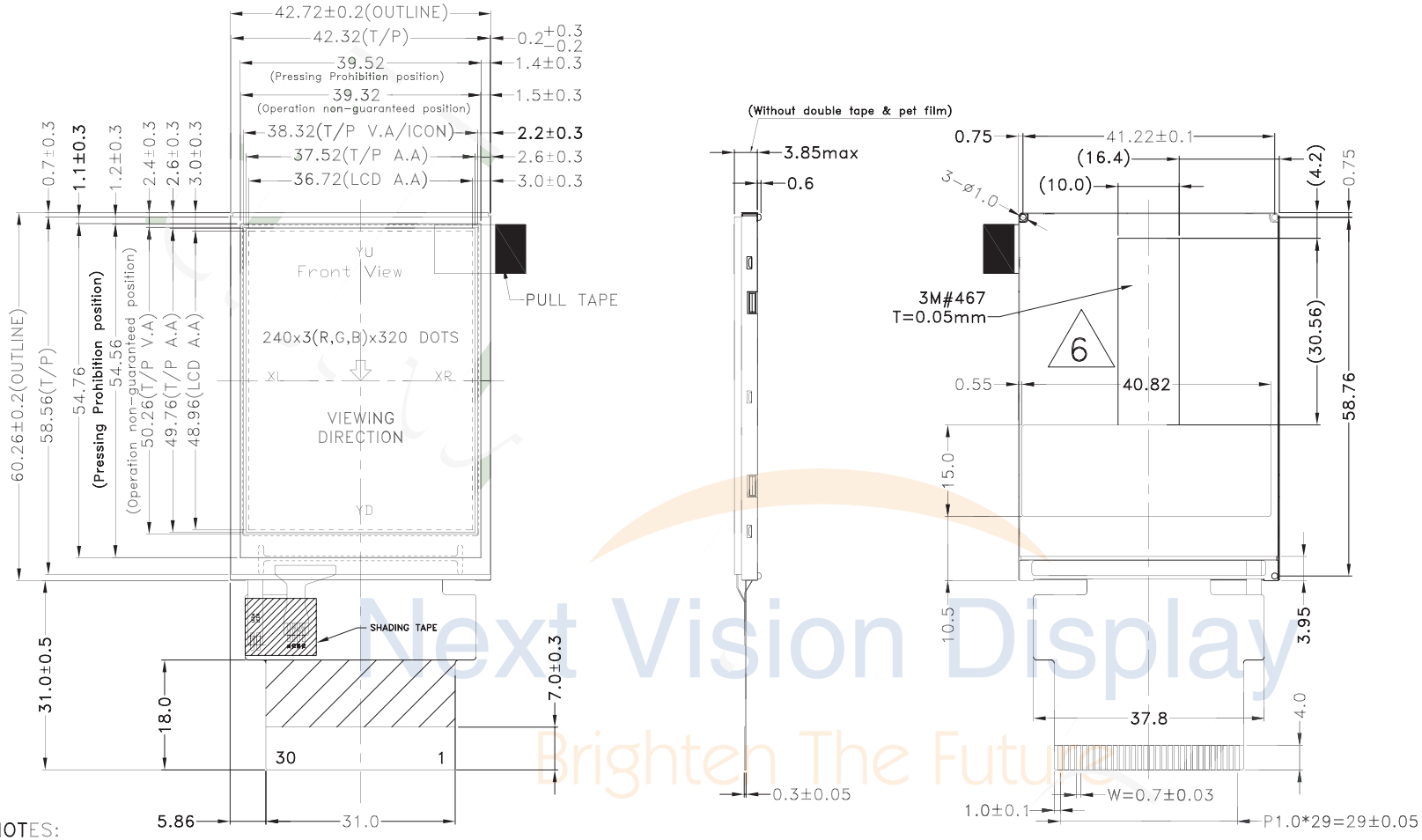
2. Interface Pin Description

Pin NO	Symbol	Function
1	LEDK	Power supply for LED Backlight Cathode input
2	LEDA	Power supply for LED Backlight Anode input
3	GND	System Ground
4	RESX	-This signal will reset the device and it must be applied to properly initialize the chip. -Signal is active low.
5	DB15	Bi-directional data bus
6	DB14	Bi-directional data bus
7	DB13	Bi-directional data bus
8	DB12	Bi-directional data bus
9	DB11	Bi-directional data bus
10	DB10	Bi-directional data bus
11	DB9	Bi-directional data bus
12	DB8	Bi-directional data bus
13	DB7	Bi-directional data bus
14	DB6	Bi-directional data bus
15	DB5	Bi-directional data bus
16	DB4	Bi-directional data bus
17	DB3	Bi-directional data bus
18	DB2	Bi-directional data bus
19	DB1	Bi-directional data bus
20	DB0	Bi-directional data bus
21	RDX	-Read enable in 8080 MCU parallel interface. -If not used, please fix this pin at VDD or DGND.
22	WRX	-Write enable in MCU parallel interface. -This pin is used to be serial interface clock in 4-line serial interface. -If not used, please fix this pin at VDD or DGND.

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23	D/CX	-Display data/command selection pin in parallel interface or 4-line serial interface. DCX='1': display data or parameter. DCX='0': command data. -If not used, please fix this pin at VDD or DGND.
24	CS	-Chip selection pin Low enable. High disable.
25	XR	Touch Panel control pin
26	YD	Touch Panel control pin
27	XL	Touch Panel control pin
28	YU	Touch Panel control pin
29	GND	System Ground
30	VDD(3.3V)	Power Supply for Analog, Digital System and Booster Circuit. I/O System.

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Pin No.	Symbol
1	LEDK
2	LEDA
3	GNG
4	RESX
5	DB15
6	DB14
7	DB13
8	DB12
9	DB11
10	DB10
11	DB9
12	DB8
13	DB7
14	DB6
15	DB5
16	DB4
17	DB3
18	DB2
19	DB1
20	DB0
21	RDX
22	WRX
23	D/CX
24	CS
25	XR
26	YD
27	XL
28	YU
29	GND
30	3.3V

NOTES:

1.)THE TOLERANCE UNLESS CLASSFIED ±0.2mm
THE R FOR NOT ASSIGNED 0.5±0.1mm

2.)LCD TYPE:a-Si TFT, 12 O'CLOCK

3.)COMPONENT AREA HEIGHT 1.0 MAX.

4.)THIS PRODUCT CONFORMS ROHS

5.)THE REFERENCE DIMENSION LABEL( )

6.)CN:ENTERY 6902K-E30N-00L OR EQUIVALENT

7.)All the tolerance is stated for typical size

REV	REV BY	REVISER	DATE
007			
006	MODUFY DAUBLE TAPE	Terry	2014/03/10
005	MODUFY DAUBLE TAPE	Terry	2014/01/28
004	ADD DIMENSION AND NOTE	Terry	2014/01/15
003	MODIFY DIMENSION	Terry	2013/10/23
002	MODIFY SYMBOL AND ADD DIMENSION	Terry	2013/07/23
001	NEW DRAWING	Terry	2013/06/28

PART NO: NT024-R002PT

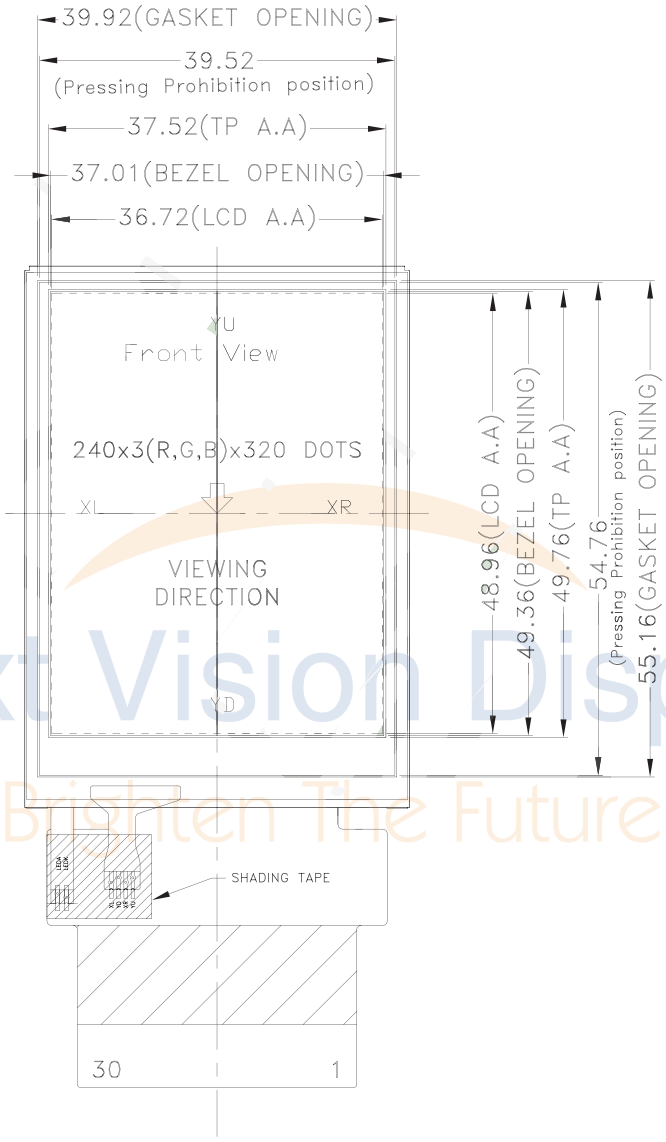
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TITLE: LCD MODULE DRAWING

Design	Terry	Surface	
Check	Eddy	Unit	MM
Approve	Ryan	Material	
		Scale	1:1
		Thickness	
		Page	1/2
		Quantity	

最小長度 (mm)	公差精度等級	精級
1 ~ 4		-
4 ~ 16		-
16 ~ 63		-
63 ~ 250		-
250 ~ 1000		-

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REV	REV BY	REVISER	DATE
007			
006	MODIFY DOUBLE TAPE	Terry	2014/03/10
005	MODIFY DOUBLE TAPE	Terry	2014/01/28
004	ADD DIMENSION AND NOTE	Terry	2014/01/15
003	MODIFY DIMENSION	Terry	2013/10/23
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001	NEW DRAWING	Terry	2013/06/28

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TITLE: LCD MODULE DRAWING

Design	Terry	Surface	(3)
Check	Eddy	Unit	MM
Approve	Ryan	Material	
		Scale	1:1
		Thickness	
		Page	2/2
		Quantity	

最小長度 (mm) ＼ 公差精度等級	精級
1 ~ 4	-
4 ~ 16	-
16 ~ 63	-
63 ~ 250	-
250 ~ 1000	-