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Brighten The Future

1. SPECIFICATIONS NT024-R001PT

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 mode , Transmissive
Screen size(inch)	2.4 (Diagonal)
Viewing Direction	12 O'clock
Color configuration	R.G.B. vertical stripe
Backlight	White LED
Interface	16-bit interface for i80system
Other(controller / 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	42.72 (W) * 60.26 (L) * 3.85(H)(max)	mm

LCD Panel

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

TP Panel

Item	Standard Value	Unit
Viewing Area	38.32 (W)* 50.26 (L)(min)	mm
Active Area	37.52 (W) * 49.76 (L)	mm

Note : For detailed information please refer to LCM drawing

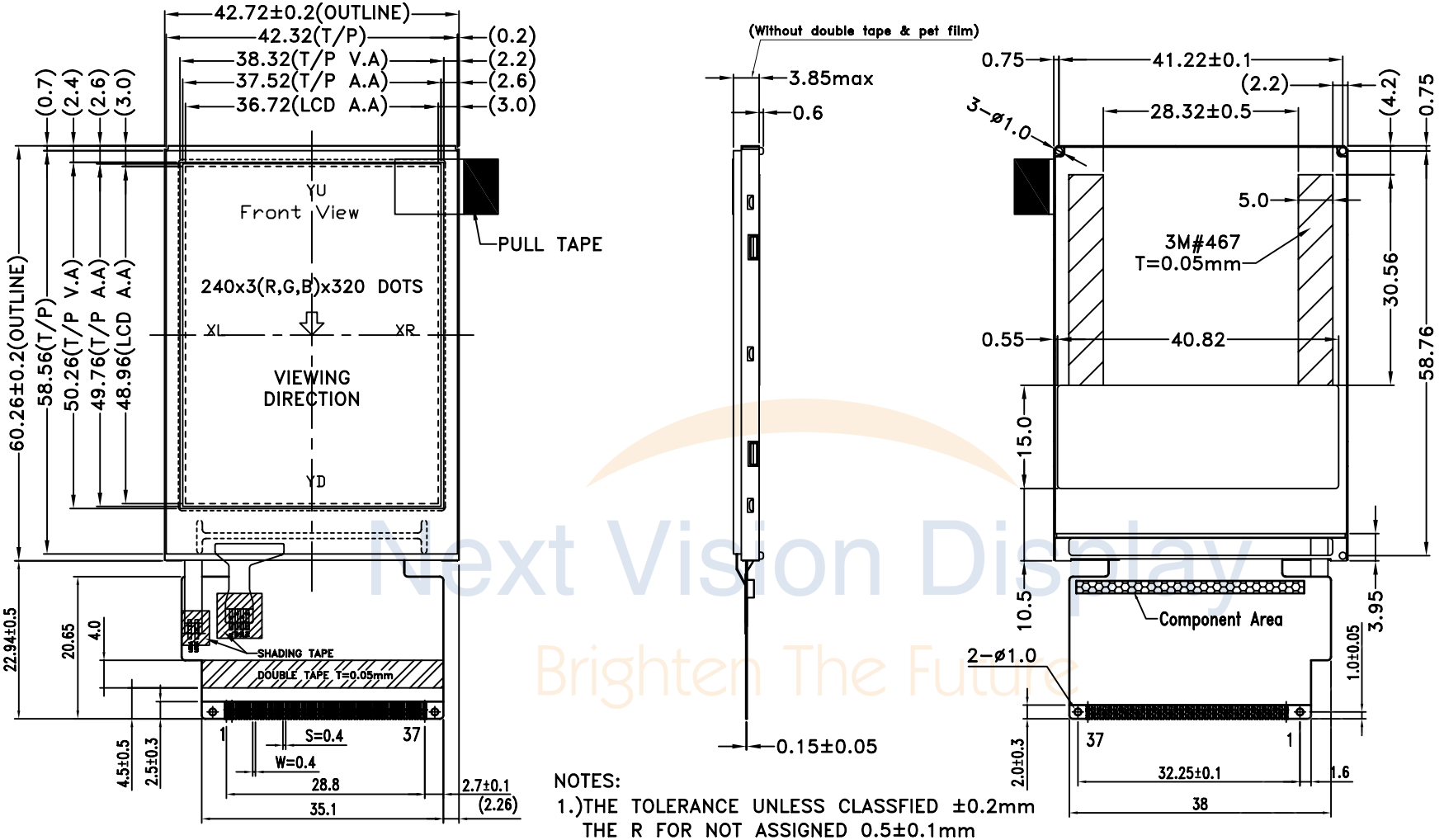
2 Interface Pin Description

Pin No.	Symbol	Function
1	DB0	Bi-directional data bus.
2	DB1	Bi-directional data bus.
3	DB2	Bi-directional data bus.
4	DB3	Bi-directional data bus.
5	VSS	System ground.(0V)
6	VDDI	Low voltage power supply for interface logic circuits (1.65 ~ 3.3 V)
7	CSX	Chip select signal , Active “L”.
8	D/CX	Command / Display data selection. 0 : Command , 1 : Display data.
9	WRX	8080- Ⅰ system (WRX): Serves as a write signal and writes data at the rising edge.
10	RDX	8080- Ⅰ system (RDX): Serves as a read signal and MCU read data at the rising edge.
11	IM0	IM3=0,IM2=0,IM1=0,IM0=1,80 MCU 16-bit bus interface Ⅰ , D[15:0]
12	X+	Touch Panel control pin.
13	Y+	Touch Panel control pin.
14	X-	Touch Panel control pin.
15	Y-	Touch Panel control pin.
16	LEDA	Power supply for LED Backlight Anode input.
17	LEDk	Power supply for LED Backlight Cathode input.
18	NC	NC
19	NC	
20	NC	
21	IM3	IM3=0,IM2=0IM1=0,IM0=1,80 MCU 16-bit bus interface Ⅰ , D[15:0]
22	DB4	Bi-directional data bus.
23	DB8	Bi-directional data bus.
24	DB9	Bi-directional data bus.
25	DB10	Bi-directional data bus.

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26	DB11	Bi-directional data bus.
27	DB12	Bi-directional data bus.
28	DB13	Bi-directional data bus.
29	DB14	Bi-directional data bus.
30	DB15	Bi-directional data bus.
31	RESX	This signal will reset the device and must be applied to properly initialize the chip.Signal is active low.
32	VCI	High voltage power supply for analog circuit blocks (2.5 ~ 3.3 V)
33	VDDI	Low voltage power supply for interface logic circuits (1.65 ~ 3.3 V)
34	VSS	System ground.(0V)
35	DB5	Bi-directional data bus.
36	DB6	Bi-directional data bus.
37	DB7	Bi-directional data bus.

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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( )

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REV		REVISER	DATE
007			
006			
005			
004			
003			
002			
001	NEW DRAWING	Air	2012/08/230

PART NO: NT024-R001PT

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TITLE: NT024-R001PT

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

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