Next Vision Display
Brighten The Future

NEXT VISION DISPLAY

SPECIFICATION

CUSTOMER : _____

MODULE NO.: NT020-N001CL

Version	01
Engineer	
Date	15 January 2016

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Customer:
Approved by

NEXT VISION DISPLAY CO., LTD.

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GENERAL DESCRIPTION

No.	Item	Specification	Unit
1	Panel Size	2.0”	Inch
2	Driver Element	a-Si	Pixels
3	Number of Pixels	176 x 3 (RGB) x 220	Pixels
4	Active Area	31.68(W) x 39.6(H)	mm
5	Pixel Pitch	0.18(W) x 0.18(H)	mm
6	Outline Dimension	37.68(W) x 51.3(H) x 2.35(D)	mm
7	Number of Colors	262K	
8	Display Mode	Normally White	
9	View Direction	6 O’clock	
10	Display Format	RGB Vertical Stripe	
11	Surface Treatment	-	
12	Contrast Ratio	300 (Typ)	
13	Luminance (cd/m^2)	350 (Typ)	cd/m^2
14	Interface	16-bit or 8-bit Parallel CPU	
15	Backlight	White LED	
16	Drive IC	ILI9225G	

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CONNECTOR PIN ASSIGNMENT

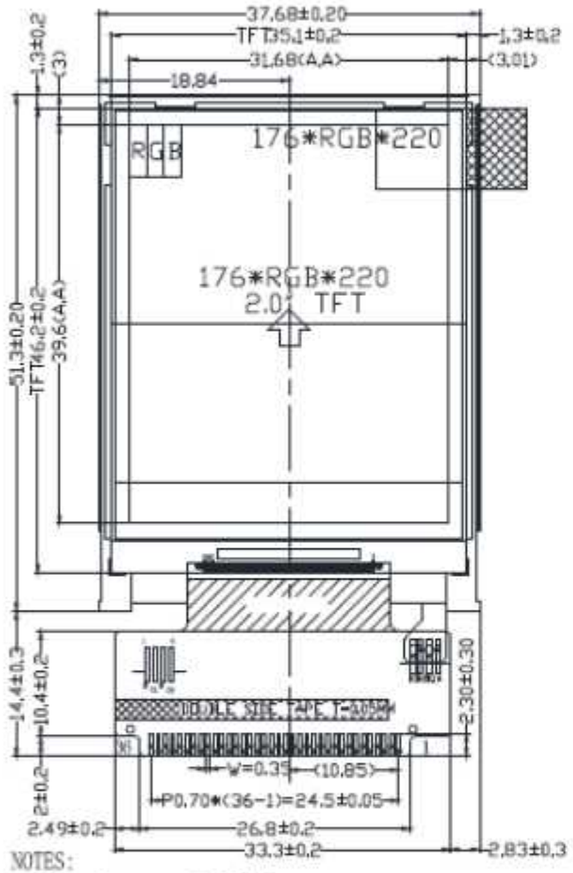
Pin No.	Symbol	Function
1	DB15	Data bus
2	DB14	Data bus
3	DB13	Data bus
4	DB12	Data bus
5	DB11	Data bus
6	DB10	Data bus
7	DB9	Data bus
8	DB8	Data bus
9	GND	System Ground
10	DB7	Data bus
11	DB6	Data bus
12	DB5	Data bus
13	DB4	Data bus
14	DB3	Data bus
15	DB2	Data bus
16	DB1	Data bus
17	DB0	Data bus
18	IOVCC	A supply voltage to the interface pins (IOVCC = 1.65 ~3.3V)
19	VCC	Logic supply power
20	/RD	Read Signal
21	/WR	Write Signal
22	RS	Register Signal
23	/CS	Chip Signal (low active)
24	/RESET	RESET Signal
25	IM0	Mode Select
26	GND	System Ground
27	LED-A	LED Anode
28	LED-K1	LED Cathode
29	LED-K2	LED Cathode
30	LED-K3	LED Cathode
31	NC(YU)	No Connection
32	NC(YD)	No Connection
33	NC(XR)	No Connection
34	NC(XL)	No Connection
35	NC	No Connection
36	NC	No Connection

IM0	Interface	DB Pin
1	i80-parallel 8bit interface	DB15~08
0	i80-parallel 16bit interface	DB15~00

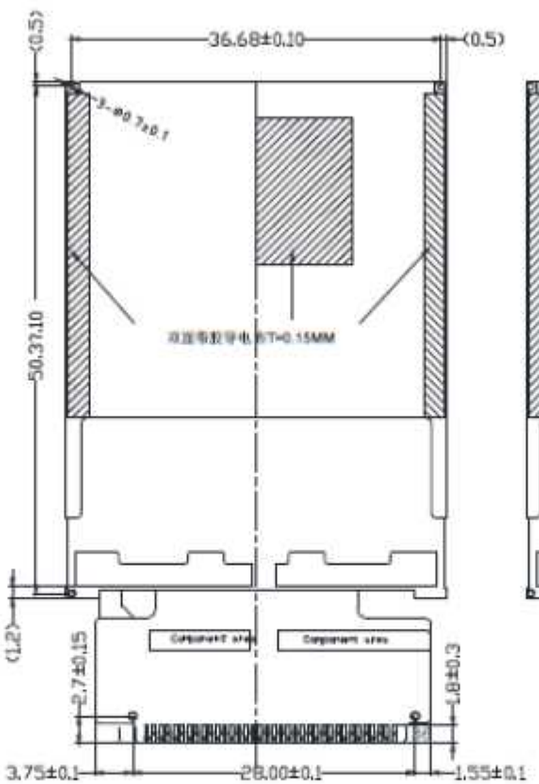
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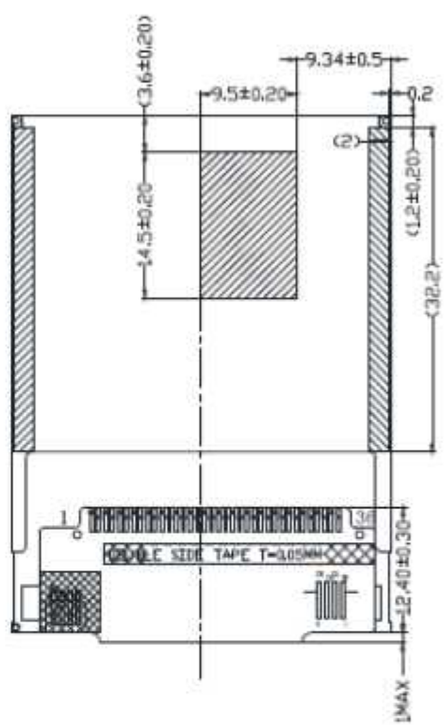
MODULE DIMENSION

REV	REVISION RECORD	SIGN	DATA
A	First Issue		





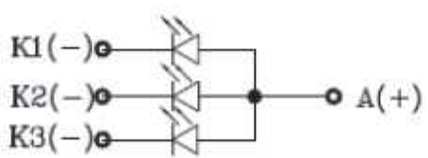




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13	DB4
14	DB3
15	DB2
16	DB1
17	DB0
18	IOVCC
19	VCC
20	/RD
21	/WR
22	RS
23	/CS
24	RESET
25	IM0
26	GND
27	LED_A
28	LED_K1
29	LED_K2
30	LED_K3
31	NC/(YU)
32	NC/(YD)
33	NC/(XR)
34	NC/(XL)
35	NC
36	NC

NOTES:

1. Display type:2.0"TFT
2. Viewing direction:12 O'CLOCK
3. Gray scale inversion direction:6 O'CLOCK
4. Polarizer mode:Transmissive/normal white
5. Operation temperature:-20° C~+ 70° C
6. Storage temperature:-30° C~+ 80° C
7. Driver/Controller IC:ILI9225G
8. Logic power supply voltage:2.8V
9. Backlight :White(X3)/Vf=2.9~3.3V,If=45mA
10. ROHS must be complied



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	VERSION	DATE	
	A		NT020-N0011CL
SCALE	NO.	UNIT	TITLE: Outline
	1/1	mm	
APPROVED	CHECKED	DRAWN	FILE NAME: