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SPECIFICATION

CUSTOMER ：

MODULE NO.: WF43-480272GD#005-FC

General Specification

Item	Dimension	Unit
Dot Matrix	480 x RGBx272(TFT)	dots
Module dimension	106.7 x 83.98 x 6.35	mm
Active area	95.04 x 53.86	mm
Dot pitch	0.066 x 0.198	mm
LCD type	TFT, Negative, Transmissive	
View Direction	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Backlight Type	LED, Normally White	

*Color tone slight changed by temperature and driving voltage.

4.Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	℃
Storage Temperature	TST	-30	—	+80	℃

Note: Device is subject to be damaged permanently if stresses beyond those absolute maximum ratings listed above

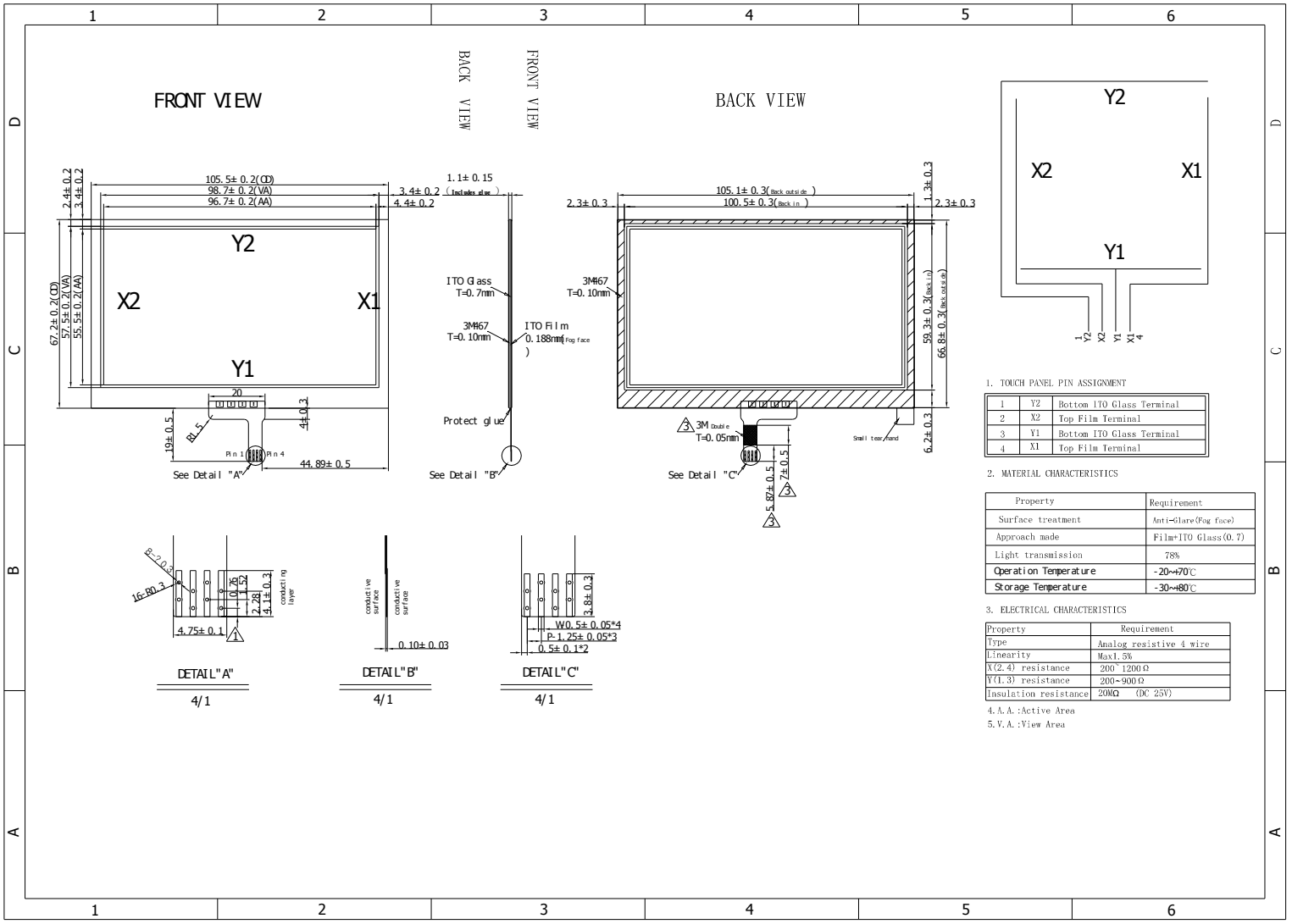
1. Temp. ≦60℃, 90% RH MAX. Temp.＞60℃ , Absolute humidity shall be less than 90% RH at 60℃

Interface

. LCM PIN Definition

Pin	Symbol	Function	Remark
1	VLED-	Power for LED backlight cathode	
1	VLED+	Power for LED backlight anode	
3	GND	System ground pin of the IC. Connect to system ground.	
4	VDD	Power Supply : +3.3V	
5	R0	Red data	
6	R1	Red data	
7	R2	Red data	
8	R3	Red data	
9	R4	Red data	
10	R5	Red data	
11	R6	Red data	
12	R7	Red data	
13	G0	Green data	
14	G1	Green data	
15	G2	Green data	
16	G3	Green data	
17	G4	Green data	
18	G5	Green data	
19	G6	Green data	
20	G7	Green data	
21	B0	Blue data	
22	B1	Blue data	
23	B2	Blue data	
24	B3	Blue data	
25	B4	Blue data	
26	B5	Blue data	
27	B6	Blue data	
28	B7	Blue data	
29	GND	System ground pin of the IC. Connect to system ground.	
30	CLK	Pixel clock	
31	DISP	Display on/off	
32	NC	No connection	
33	NC	No connection	
34	DE	Data Enable	
35	DC	Data/Command select	
36	GND	System ground pin of the IC. Connect to system ground.	
37	X1	TP right	
38	Y1	TP down	
39	X2	TP left	
40	Y2	TP UP	

Touch Panel Information



1. TOUCH PANEL PIN ASSIGNMENT

1	Y2	Bottom ITO Glass Terminal
2	X2	Top Film Terminal
3	Y1	Bottom ITO Glass Terminal
4	X1	Top Film Terminal

2. MATERIAL CHARACTERISTICS

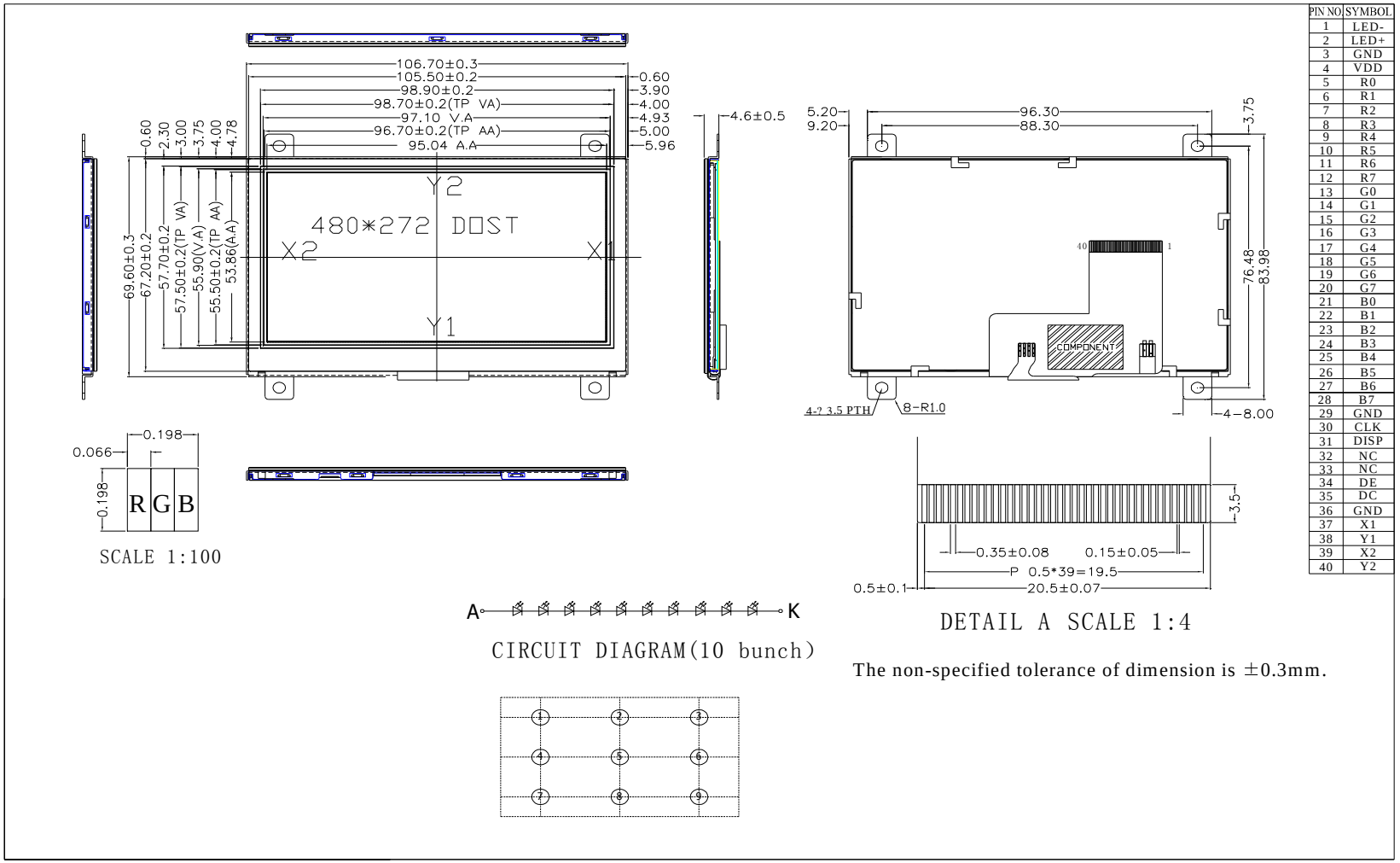
Property	Requirement
Surface treatment	Anti-Glare(Fog face)
Approach made	Film+ITO Glass(0.7)
Light transmission	78%
Operation Temperature	-20~+70℃
Storage Temperature	-30~+80℃

3. ELECTRICAL CHARACTERISTICS

Property	Requirement
Type	Analog resistive 4 wire
Linearity	Max1.5%
X(2.4) resistance	200~1200Ω
Y(1.3) resistance	200~900Ω
Insulation resistance	20MΩ (DC 25V)

4. A.A.:Active Area
5. V.A.:View Area

Contour Drawing



PIN NO	SYMBOL
1	LED-
2	LED+
3	GND
4	VDD
5	R0
6	R1
7	R2
8	R3
9	R4
10	R5
11	R6
12	R7
13	G0
14	G1
15	G2
16	G3
17	G4
18	G5
19	G6
20	G7
21	B0
22	B1
23	B2
24	B3
25	B4
26	B5
27	B6
28	B7
29	GND
30	CLK
31	DISP
32	NC
33	NC
34	DE
35	DC
36	GND
37	X1
38	Y1
39	X2
40	Y2

The non-specified tolerance of dimension is ±0.3mm.