Winstar Display Co., LTD
華凌光電股份有限公司
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SPECIFICATION

CUSTOMER : _____

MODULE NO.: WF43-480272G#007-FC

General Specifications

Item	Dimension	Unit
Size	4.3	inch
Dot Matrix	480 x RGB x 272(TFT)	dots
Module dimension	106.70 x 83.98 x7.10	mm
Active area	95.04 x 53.856	mm
Dot pitch	0.066 x 0.198	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Backlight Type	LED,Normally White	
Controller IC	SSD1963	
Interface	Digital 8080 family MPU	
With /Without TP	Without TP	
Surface	Anti-Glare	

Absolute Maximum Ratings

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

Electrical Characteristics

Operating conditions:

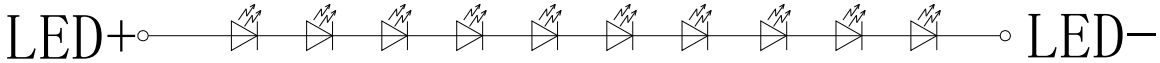
Item	Symbol	Condition	Min	Typ	Max	Unit	Remark
Supply Voltage For LCM	VDD	—	3.0	3.3	3.5	V	—
Supply Current For LCM	IDD	—	—	300	450	mA	Note1

Note 1 : This value is test for VDD=3.3V , Ta=25 ℃ only

LED driving conditions

Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
LED current	-	-	20	-	mA	-
Power Consumption	-	600	640	680	mW	-
LED voltage	VBL+	30	32	34	V	Note 1
LED Life Time	-	-	50,000	-	Hr	Note 2,3,4

Note 1 : There are 1 Groups LED



Note 2 : Ta = 25 ℃

Note 3 : Brightness to be decreased to 50% of the initial value

Note 4 : The single LED lamp case

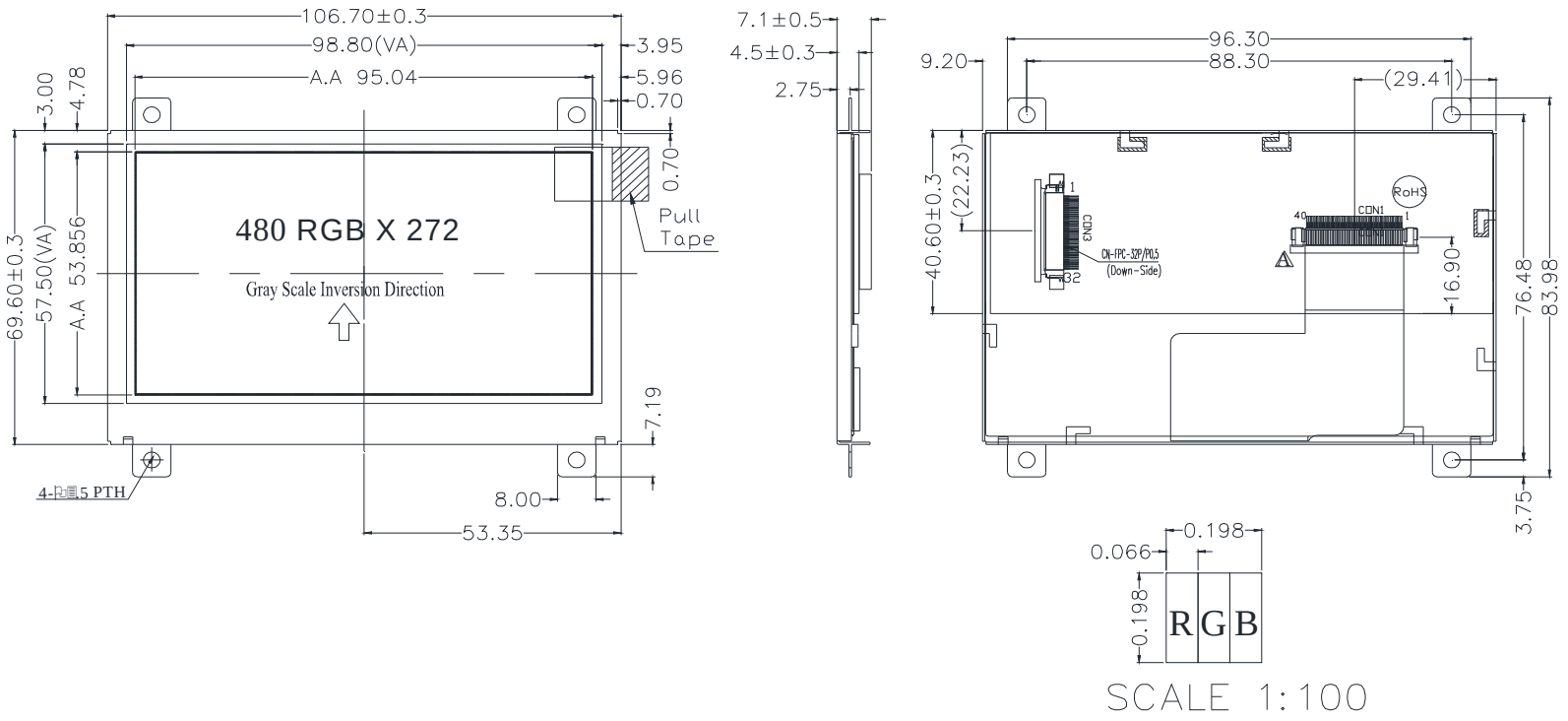
Interface

LCM PIN Definition

Pin	Symbol	Function	Remark
1	GND	Power ground	
1	VDD	Power Supply	
3	BL_E	Enable to light the Backlight	
4	D/C	Data/Command select	
5	WR	write strobe signal	
6	RD	read strobe signal	
7-22	D0-D15	Data bus. Pins not used should be floating	
23	NC	No connection	
24	NC	No connection	
25	CS	Chip select	
26	RST	Master synchronize reset	
27	NC	No connection	
28	NC	No connection	
29	NC	No connection	
30	NC	No connection	
31	NC	No connection	
32	DIP_ON	Display on/off	

Contour Drawing

PIN	DESC
1	GND
2	VDD
3	BL_E
4	D/C
5	WR
6	RD
7	D0
8	D1
9	D2
10	D3
11	D4
12	D5
13	D6
14	D7
15	D8
16	D9
17	D10
18	D11
19	D12
20	D13
21	D14
22	D15
23	NC
24	NC
25	CS
26	RST
27	NC
28	NC
29	NC
30	NC
31	NC
32	DIP ON



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