



**WINSTAR Display Co.,Ltd.**  
**華凌光電股份有限公司**



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## 華凌光電股份有限公司



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### SPECIFICATION

**MODULE NO.: WF123ASWGYLNGO#**

### General Specifications

Item	Dimension	Unit
Size	12.3	inch
Pixel Number	1920 x R.G.B. x 720	pixel
Module dimension	313.4 x 135.86 x10.6	mm
Active Area	292.32 (H) x 109.62 (V)	mm
Pixel Pitch	0.1523(H) x 0.1523(V)	mm
LCD type	TFT, Normally Black, Transmissive	
Gray Scale Inversion Direction	ALL	
Backlight Type	LED ,Normally White	
Weight of Module(g)	768g	
Touch Panel	Projected Capacitive Touch Panel (PCAP)	
Interface	Dual-channel LVDS	
Surface	Glare	

## Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-30	—	+85	°C
Storage Temperature	TST	-40	—	+95	°C

## Electrical Characteristics

Item	Symbol	MIN	TYP	MAX	Unit
Power voltage	VDD	3.0	3.3	3.6	V
	IVDD	-	1.1	1.4	A
Operating Temperature	TOPR	-30	85	°C	-
Storage Temperature	TSTG	-40	95	°C	-

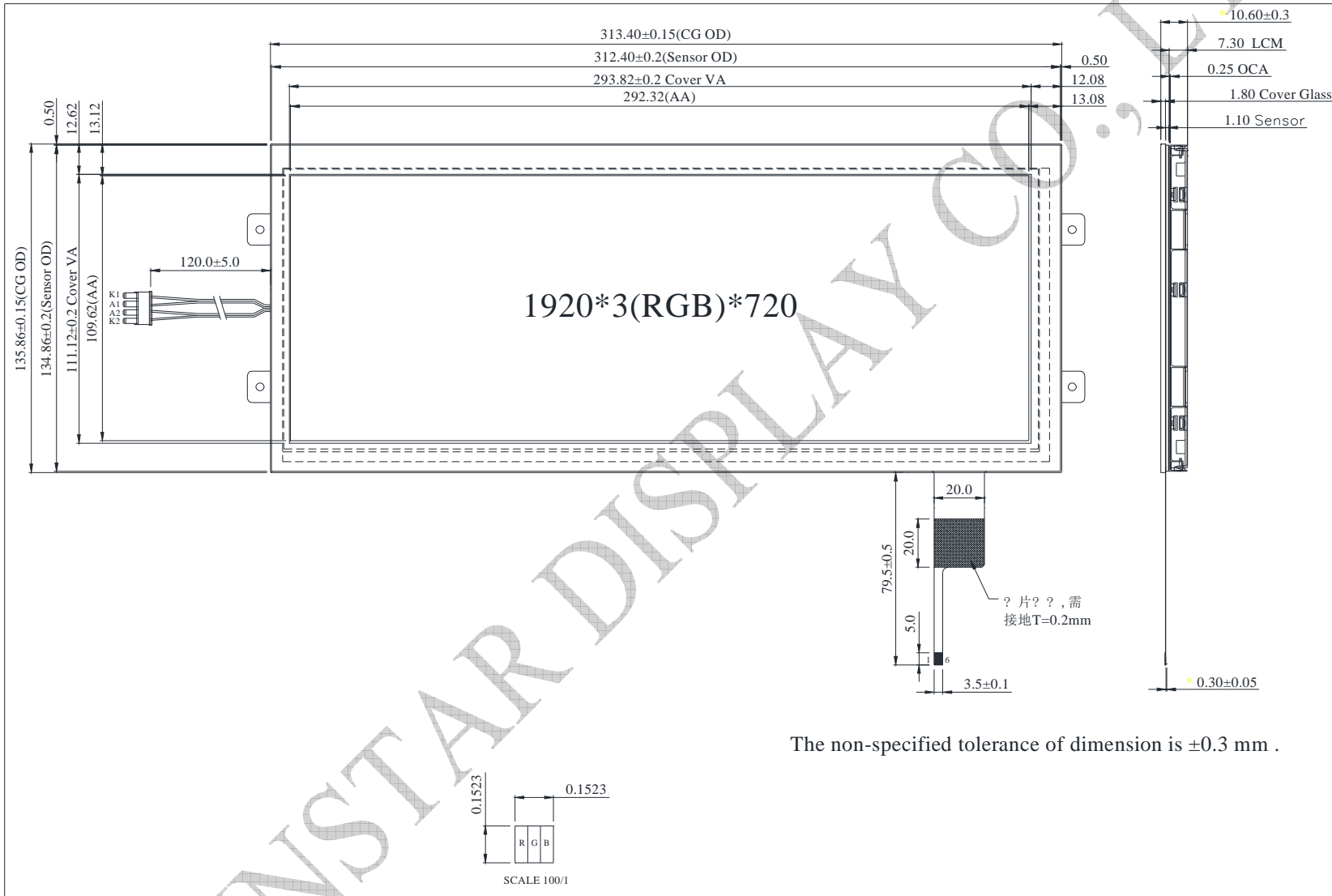
# Interface

No	Symbol	Description
1	GND	Power ground
2	GND	Power ground
3	Rxoin0	-LVDS differential data input (Odd data)
4	Rxoin0+	+LVDS differential data input (Odd data)
5	GND	Power ground
6	Rxoin1-	-LVDS differential data input (Odd data)
7	Rxoin1+	+LVDS differential data input (Odd data)
8	GND	Power ground
9	Rxoin2-	-LVDS differential data input (Odd data)
10	Rxoin2+	+LVDS differential data input (Odd data)
11	GND	Power ground
12	RxoCLK-	-LVDS differential clock input (Odd clock)
13	RxoCLK+	+LVDS differential clock input (Odd clock)
14	GND	Power ground
15	Rxoin3-	-LVDS differential data input (Odd data)
16	Rxoin3+	+LVDS differential data input (Odd data)
17	GND	Power ground
18	Rxein0-	-LVDS differential data input (Even data)
19	Rxein0+	+LVDS differential data input (Even data)
20	GND	Power ground
21	Rxein1-	-LVDS differential data input (Even data)
22	Rxein1+	+LVDS differential data input (Even data)
23	GND	Power ground
24	Rxein2-	-LVDS differential data input (Even data)
25	Rxein2+	+LVDS differential data input (Even data)
26	GND	Power ground
27	Rxein3-	-LVDS differential data input (Even data)
28	Rxein3+	+LVDS differential data input (Even data)
29	GND	Power ground
30	STVD	Feedback signal
31	GND	Power ground
32	RESET	Global reset pin
33	GND	Power ground
34	VDD	Power input
35	VDD	Power input
36	VDD	Power input
37	VDD	Power input

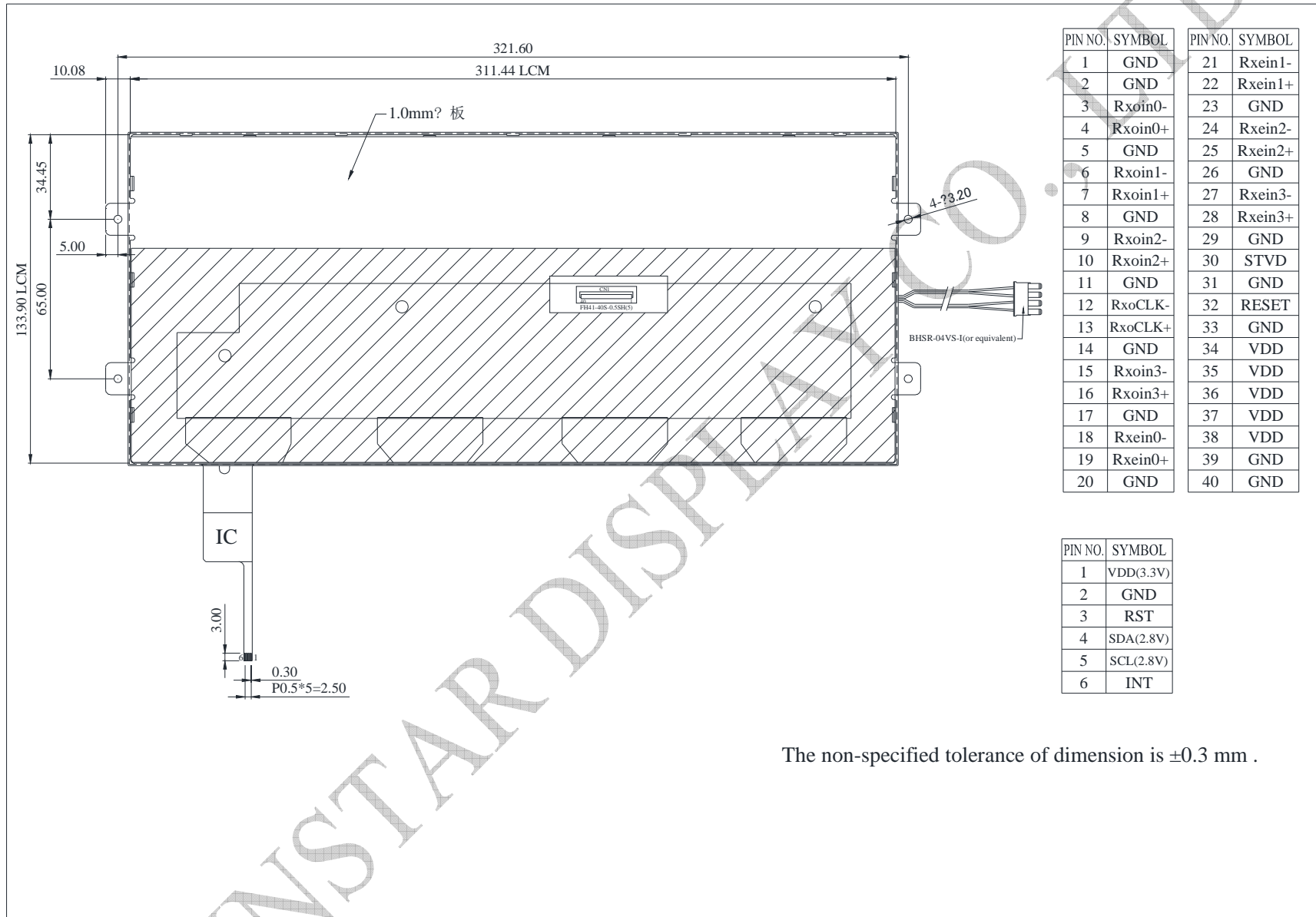
38	VDD	Power input
39	GND	Power ground
40	GND	Power ground

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# Contour Drawing



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



The non-specified tolerance of dimension is  $\pm 0.3$  mm .