



C123HAN01.0 One Page Spec

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NO.	Item	Unit	Specification
1	Display Resolution	dot	1920 RGB (H)×720(V)
2	Active Area	mm	292.32(H)×109.62(V)
3	Screen Size	inch	12.3(Diagonal)
4	Dot Pitch	mm	0.05075(H)×RGBx0.15225(V)
5	Color Configuration	--	R. G. B. Stripe
6	Color Depth	--	16.7M Colors
7	Overall Dimension	mm	308.1(H) × 134.86(V) × 7.6(T)
8	Weight	g	590g±10%
9	Display Mode	--	Normally Black
10	Surface Treatment		AG

C123HAN01.0 Pin assignment

Main FPC

Connector= FH41-40S-0.5SH(05)

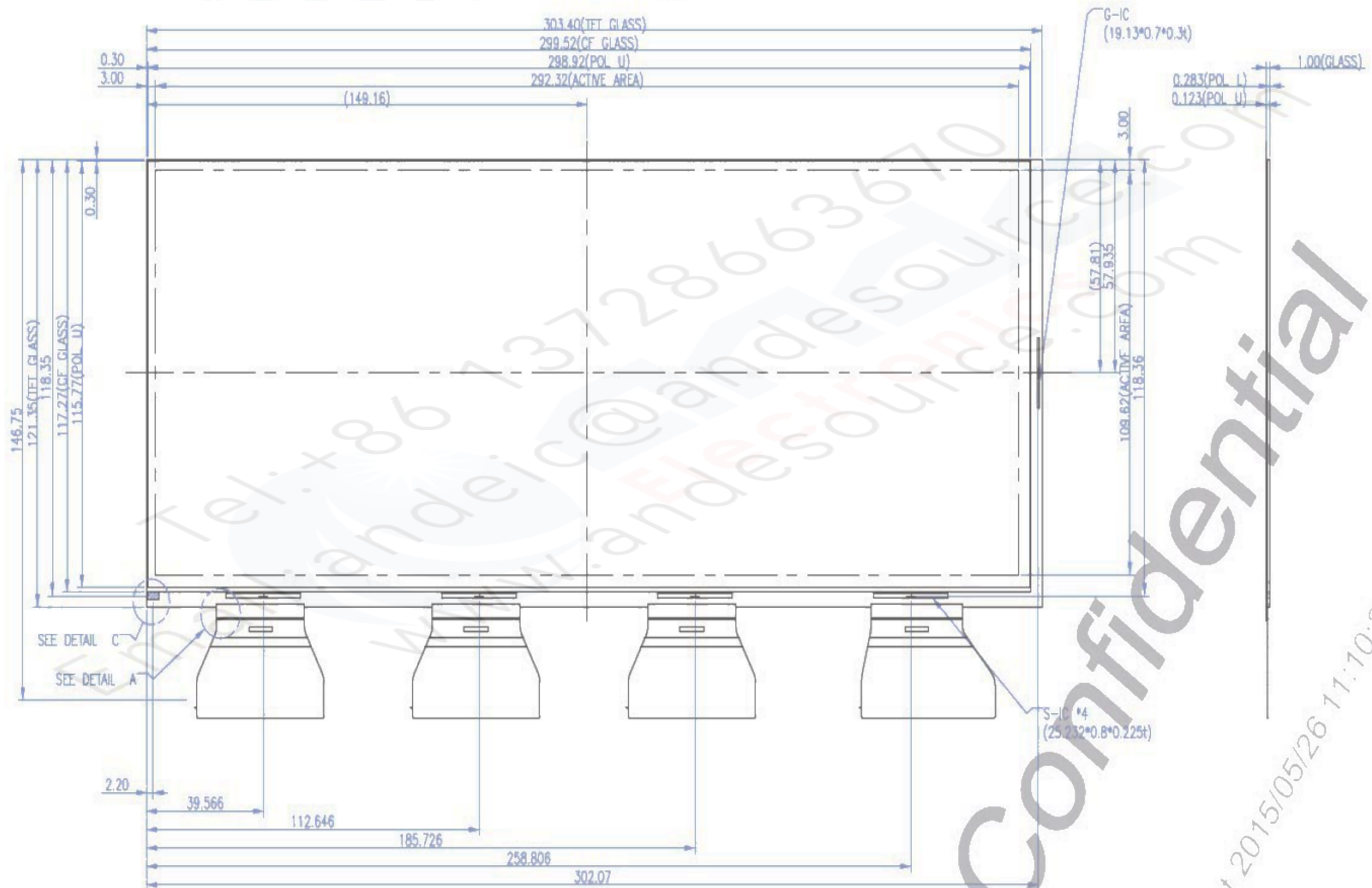
No.	Pin Name	I/O	Description	Remarks
1	GND	G	Power ground	
2	GND	G	Power ground	
3	RxOIN0-	I	Negative LVDS differential data input (Odd data)	
4	RxOIN0+	I	Positive LVDS differential data input (Odd data)	
5	GND	G	Power ground	
6	RxOIN1-	I	Negative LVDS differential data input (Odd data)	
7	RxOIN1+	I	Positive LVDS differential data input (Odd data)	
8	GND	G	Power ground	
9	RxOIN2-	I	Negative LVDS differential data input (Odd data)	
10	RxOIN2+	I	Positive LVDS differential data input (Odd data)	
11	GND	G	Power ground	
12	RxOCLK-	I	Negative LVDS differential clock input (Odd clock)	
13	RxOCLK+	I	Positive LVDS differential clock input (Odd clock)	

14	GND	G	Power ground
15	RxEIN3-	I	Negative LVDS differential data input (Odd data)
16	RxEIN3+	I	Positive LVDS differential data input (Odd data)
17	GND	G	Power ground
18	RxEIN0-	I	Negative LVDS differential data input (Even data)
19	RxEIN0+	I	Positive LVDS differential data input (Even data)
20	GND	G	Power ground
21	RxEIN1-	I	Negative LVDS differential data input (Even data)
22	RxEIN1+	I	Positive LVDS differential data input (Even data)
23	GND	G	Power ground
24	RxEIN2-	I	Negative LVDS differential data input (Even data)
25	RxEIN2+	I	Positive LVDS differential data input (Even data)
26	GND	G	Power ground
27	RxEIN3-	I	Negative LVDS differential data input (Even data)
28	RxEIN3+	I	Positive LVDS differential data input (Even data)
29	GND	G	Power ground
30	STVD	O	Feedback signal
31	GND	G	Power ground
32	RESET	I	Global reset pin
33	GND	G	Power ground
34	VDD	P	Power input
35	VDD	P	Power input
36	VDD	P	Power input
37	VDD	P	Power input
38	VDD	P	Power input
39	GND	G	Power ground
40	GND	G	Power ground

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Item	Symbol	Condition	Min.	Typ.	Max.
Response Time Rise Fall	Tr Tf	$\theta=0^\circ$	- -	12 13	
Contrast ratio	CR	$\theta=0^\circ$	800	1000	-
Viewing Angle Top Bottom Left Right		CR = 10	70 70 70 70	80 80 80 80	- - - -
Brightness	Y_L	$\theta=0^\circ$		700	-
White Chromaticity	X	$\theta=0^\circ$	0.248	0.288	0.328
	Y	$\theta=0^\circ$	0.287	0.327	0.367
Red Chromaticity	X	$\theta=0^\circ$	0.581	0.621	0.661
	Y	$\theta=0^\circ$	0.298	0.338	0.378
Green Chromaticity	X	$\theta=0^\circ$	0.259	0.299	0.339
	Y	$\theta=0^\circ$	0.581	0.621	0.661
Blue Chromaticity	X	$\theta=0^\circ$	0.108	0.148	0.188
	Y	$\theta=0^\circ$	0.029	0.069	0.109
Uniformity		9-point, $\theta=0^\circ$	80%		

C123HAN01.0 2D Drawing





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