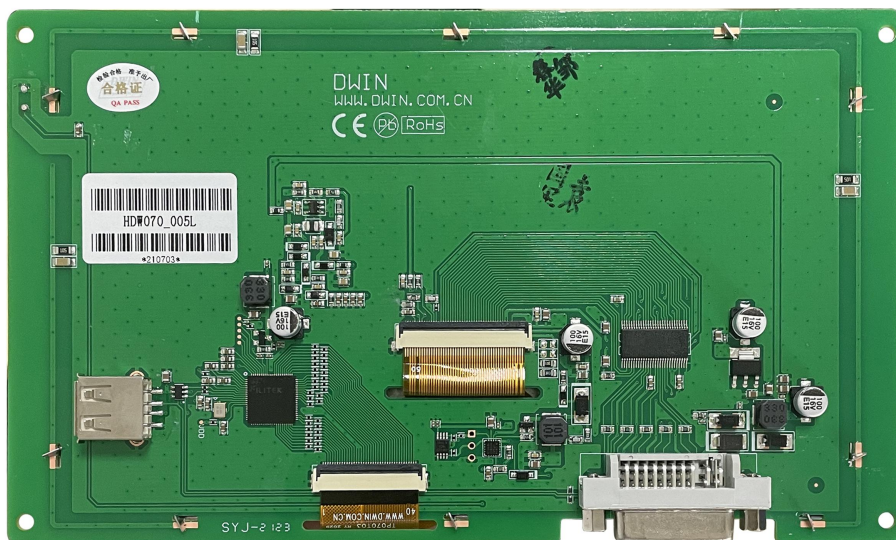
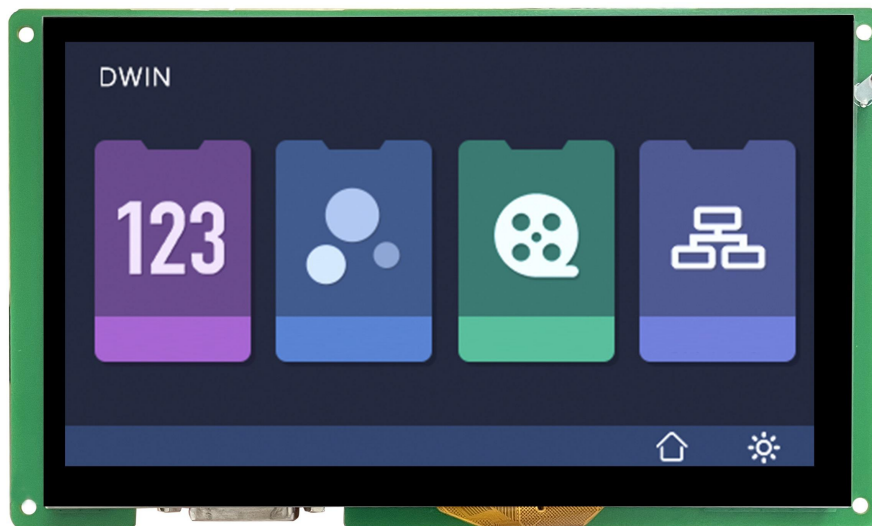


HDW070_005L

**7.0-inch, 800*RGB*480, 16.7M Colors,
Capacitive touch panel, LVDS LCM**



● Display

Item	Parameter	Description
Color	16.7M colors	24 bit color 8R8G8B
Active area (A.A.)	154.08 mm(W)*85.92 mm(H)	800*480 Pixel
Visual area(V.A.)	156.2 mm(W)*88.6 mm(H)	800*480 Pixel
Resolution	800*480	-
Backlight	LED	-
Brightness	900nit	Equipped with automatic multi-level backlight adjustment function, with an adjustment range of 100nit to 900nit
Note: You can use dynamic screen saver wallpapers to avoid afterimages caused by fixed page display for a long time.		

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	3.6	5.0	6.0	V
Operation Current	VCC = +5V,Max Backlight	-	660	-	mA
	VCC = +5V,Backlight off	-	140	-	mA
Recommended power supply: 5V 1.5A DC					

● Reliability Test

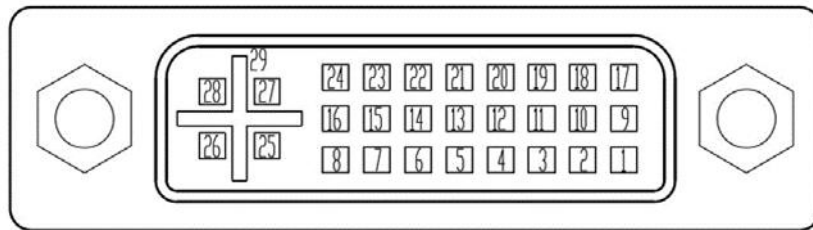
Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 5V voltage	-20	25	70	℃
Storage Temperature	-	-30	25	85	℃
Working Humidity	25℃	10%	60%	90%	RH
Protective Paint	-	-	Yes	-	-
UV resistance Level	F1 level				
EMC	GB/T 17626/GB 4824				

Peripheral Support

Peripheral Support	Support Capacitance Touch Screen
Touch Recognition	Multi-touch ≥ 5

Interface performance parameters

Item	Description
Interface Mode	LVDS, the interface definition is shown in the dimension diagram (VDD=+5.0V)
User Interface	DVI-I interface



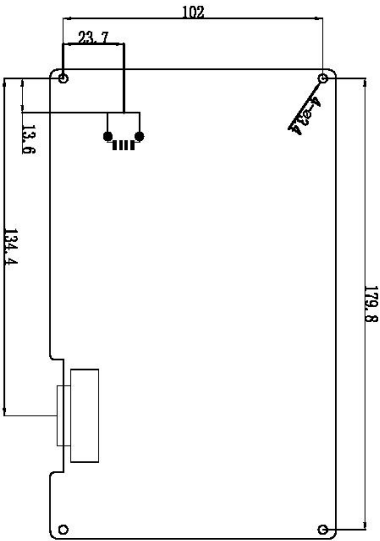
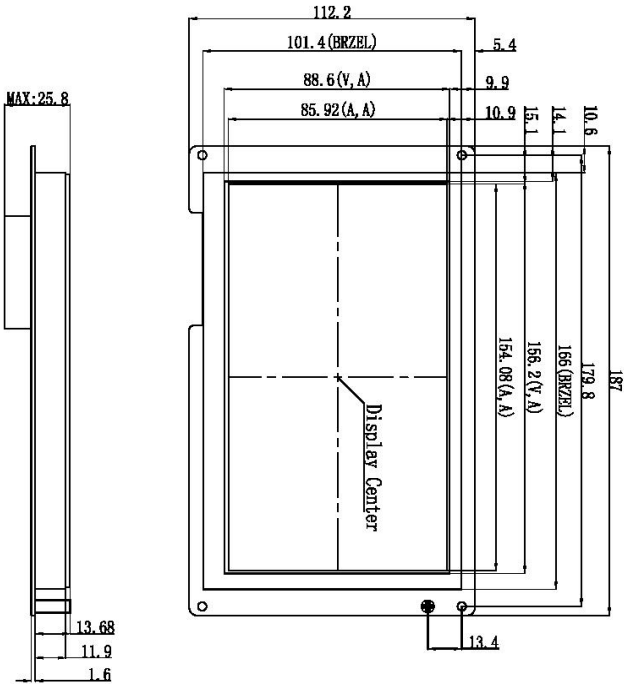
DVI-I interface

Pin	Signal name	Function	Description
1	RX2-	Input	Negative LVDS Differential Data Input
2	RX2+	Input	Positive LVDS Differential Data Input
3	GND	Power	GND
4	BL_PWM	Input	Backlight dimming control, PWM used to adjust brightness output
5	NC	-	No connection
6	VDD	Power	5.0V Power input
7	VDD	Power	5.0V Power input
8	VDD	Power	5.0V Power input
9	RX1-	Input	Negative LVDS Differential Data Input
10	RX1+	Input	Positive LVDS Differential Data Input
11	GND	Power	GND
12	RX3-	Input	Negative LVDS Differential Data Input
13	RX3+	Input	Positive LVDS Differential Data Input
14	VDD	Power	5.0V Power input
15	GND	Power	GND
16	GND	Power	GND
17	RX0-	Input	Negative LVDS Differential Data Input
18	RX0+	Input	Positive LVDS Differential Data Input

19	GND	Power	GND
20	USB_DM	I/O	signal
21	USB_DP	I/O	signal
22	GND	Power	GND
23	RXCLK+	Input	Clock Positive LVDS Differential Data Input
24	RXCLK-	Input	Clock Negative LVDS Differential Data Input
25	VDD	Power	5.0VPower input
26	VDD	Power	5.0VPower input
27	NC	-	No connection
28	NC	-	No connection
29	GND	Power	GND

Note: USB interface is for factory burning test, not open to customers.

Disclaimer: The product design is subject to alternation and improvement without prior notice.



Location hole is used as position reference.

Unmarked Tolerance is $\pm 0.3\text{mm}$

Active area is marked in Dash lines

Model	HDW070_005L			 Beijing DWIN Technology Co., Ltd.		
Drawing	A4	Drawn	DW/N	Date		
Scale	1:1	Review		Date		
Unit	mm	Approval		Date		

Record of Revision

Record of Revision	Content	Editor
2023-09-01	Update picture	Kaya
2023-12-04	Supplementary parameter content	YML

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