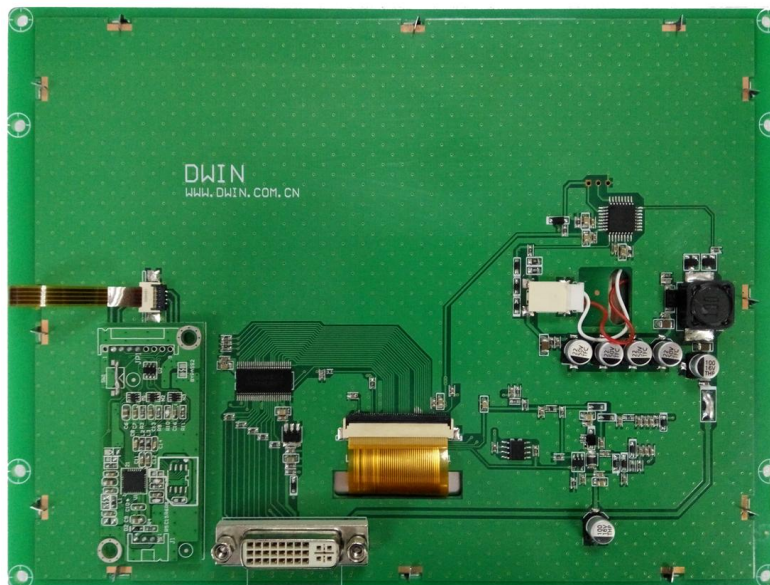


HDW080_001L

8.0-inch, 800*600, 65K colors,

Resistive touch, LVDS multimedia display, Anti-UV



1 Display parameters

Item	Parameters	Description
Color	65K(65536)colors	16 bit color 5R6G5B
Active area (A.A.)	162.0 mm (W) × 121.5 mm (H)	800x600
Resolution	800x600	Support 0°/90°/180°/270°rotated display
Backlight	LED	-
Brightness	500nit	64 grade brightness adjustment (It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)

Note:You can use dynamic screen saver wallpapers to avoid afterimages caused by fixed page display for a long time.

2 Voltage & current

Item	Conditions	Min	Typical	Max	Unit
Power voltage	-	-	5.0	-	V
Operating Current	VCC = +5V, Backlight on	-	1000	-	mA
	VCC = +5V, Backlight off	-	140	-	mA

Recommended power supply: 5V 1A DC

3 Reliability test

Item	Conditions	Min	Typical	Max	Unit
Operating temperature	60%RH at 5V voltage	-20	25	70	℃
Storage temperature	-	-30	25	85	℃
Operating humidity	25℃	10%	60%	90%	RH
Conformal coating	None				

4 Peripheral

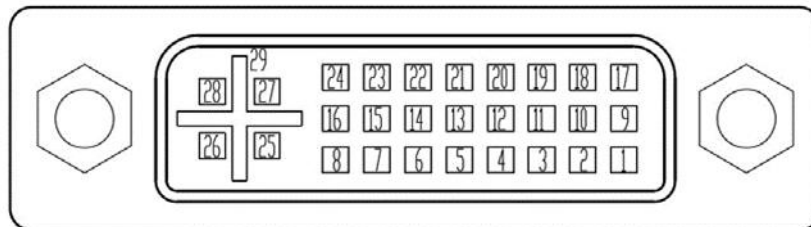
Peripheral	Resistive touch screen(R4)
-------------------	----------------------------

5 Packaging & dimensions

Dimension				
Dimension	199.40(mm)×148.9(mm)×25(mm)			
Net Weight	450g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)×160mm(W)×47mm (H)	-	-	-
Carton2:	250mm(L)×200mm(W)×80mm (H)	-	-	-
Carton3:	320mm(L)×270mm(W)×80mm (H)	2	1	2
Carton4:	450mm(L)×350mm(W)×300mm(H)	1	16	16
Carton5:	600mm(L)×450mm(W)×300mm(H)	1	30	30

6 Interface parameters

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



Pin	Name	Function	Description
1	RX2-	Input	-LVDS Differential data Input input
2	RX2+	Input	+ LVDS Differential data Input
3	GND	Power	GND
4	BL_PWM	Input	Backlight dimming control, PWM is used to adjust brightness output.
5	NC	-	NC
6	VDD	Power	5.0V Power Input
7	VDD	Power	5.0V Power Input
8	VDD	Power	5.0V Power Input
9	RX1-	Input	- LVDS Differential data Input
10	RX1+	Input	+LVDS Differential data Input
11	GND	Power	GND
12	RX3-	Input	-LVDS Differential data Input
13	RX3+	Input	+LVDS Differential data Input
14	VDD	Power	5.0V Power Input
15	GND	Power	GND
16	GND	Power	GND
17	RX0-	Input	- LVDS Differential data Input
18	RX0+	Input	+ LVDS Differential data Input
19	GND	Power	GND
20	USB_DM	I/O	USB D- signal
21	USB_DP	I/O	USB D+ signal
22	GND	Power	GND
23	RXCLK+	Input	Clock + LVDS Differential data Input
24	RXCLK-	Input	Clock - LVDS Differential data Input
25	VDD	Power	5.0V Power Input
26	VDD	Power	5.0V Power Input
27	NC	-	NC
28	NC	-	NC
29	GND	Power	GND

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

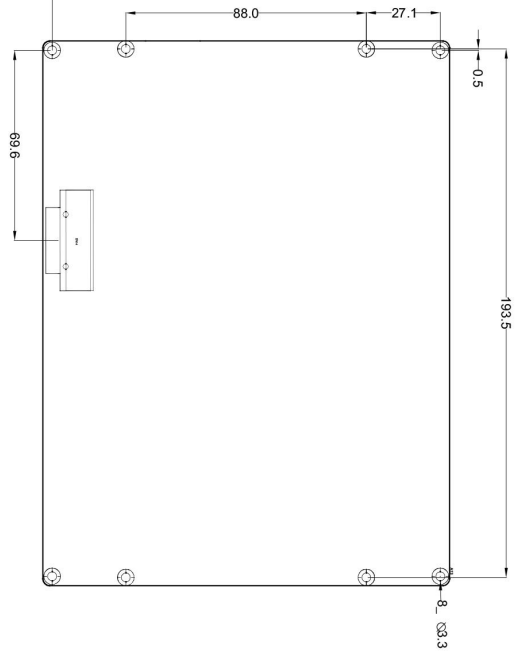
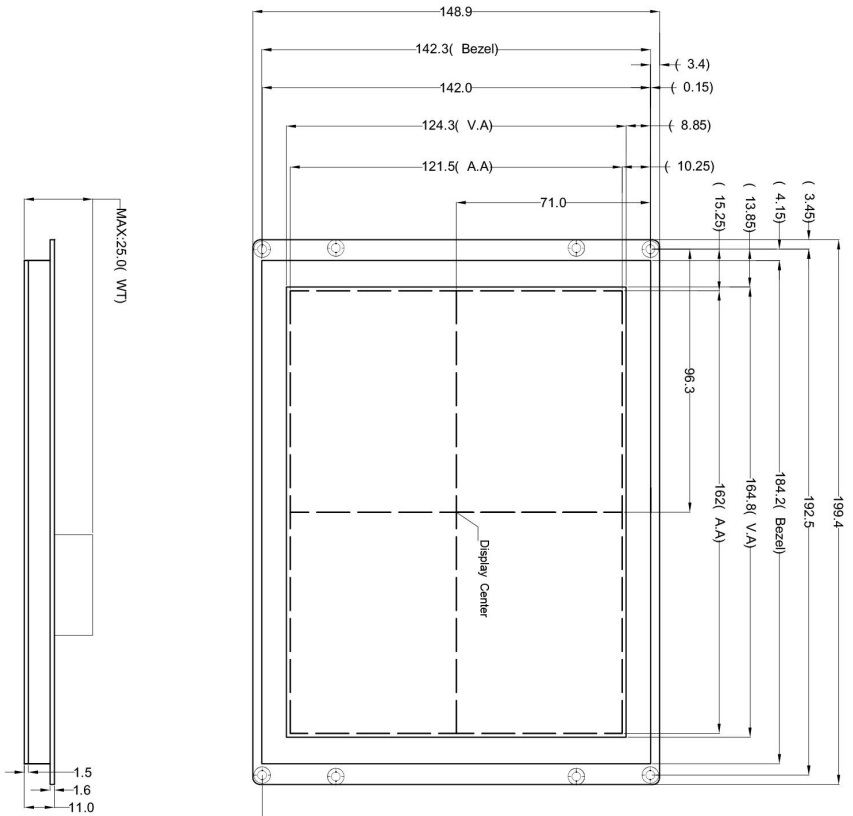
7 Revision records

Version	Revise date	Content	Editor
00	2023/7/27	First Edition	Kaya

Please contact us if you have any questions about the use of this document or our products, or if you would like to know the latest information about our products:

- Customer Service Tel: +86 400 018 9008
- Customer Service Email: dwinhmi@dwin.com.cn
- DWIN Developer Forum: <https://forums.dwin-global.com/>

Thank you all for continuous support of DWIN, and your approval is the driving force of our progress!



1. Location hole is used as position reference
2. Unmarked Tolerance is +/-0.3mm
3. Active area is marked in dashes.

Model	HDW080_001L			 Beijing DWIN Technology Co., Ltd.	
Drawing	A4	Drawn	DWIN		Data
Scale	1:1	Check		Data	
Unit	mm	Approval		Data	