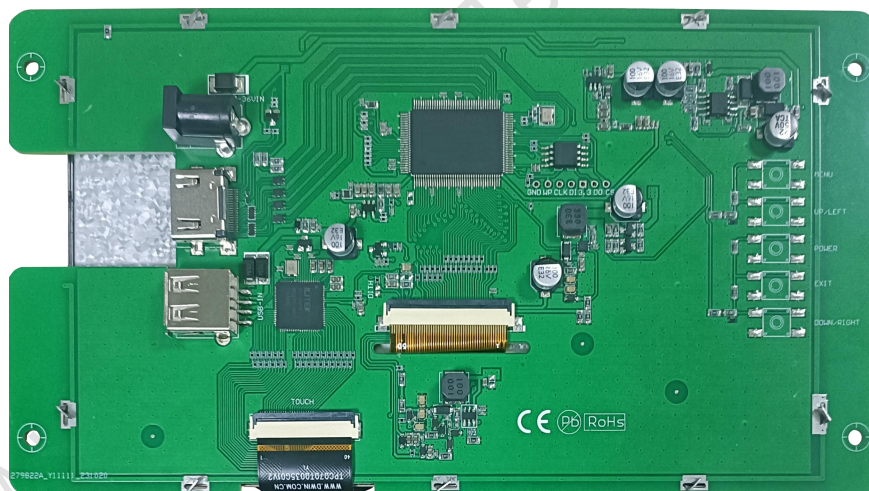


HDW070_008LZ04

**7 Inch, 800×RGB×480, 16.7M colors, TN screen, High
brightness 800nit, Capacitive touch, HDMI interface display**



● Display

Item	Parameter	Description
Color	16.7M(16777216)colors	24 bit color 8R8G8B
Panel Type	TN	TN TFT LCM , normal viewing angle
Viewing Angle	70/70/50/70(L/R/U/D)	-
Active Area (A.A.)	154.08mm(W) * 85.92mm(H)	800*480
Resolution	800*480	-
Backlight	LED	≥20000H(Continuous working with maximum brightness, time of the brightness decays to 50%)
Brightness	800nit	-

Note: Displaying of high-contrast still images for more than 30 minutes may result in residual images. Please add screen saver to avoid this problem..

● Voltage & Current

Item	Description	
Power Voltage	7~36V, typical value of 12V	
Current Parameters	540mA	VCC=7V (Minimum starting voltage)
	330mA	VCC=12V (Standard supply voltage)
	160mA	VCC=36V (Maximum supply voltage)

Recommended power supply: 12V 1A DC

● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	℃
Storage Temperature	-	-30	25	80	℃
Working Humidity	25℃	10%	60%	90%	RH

● Interface

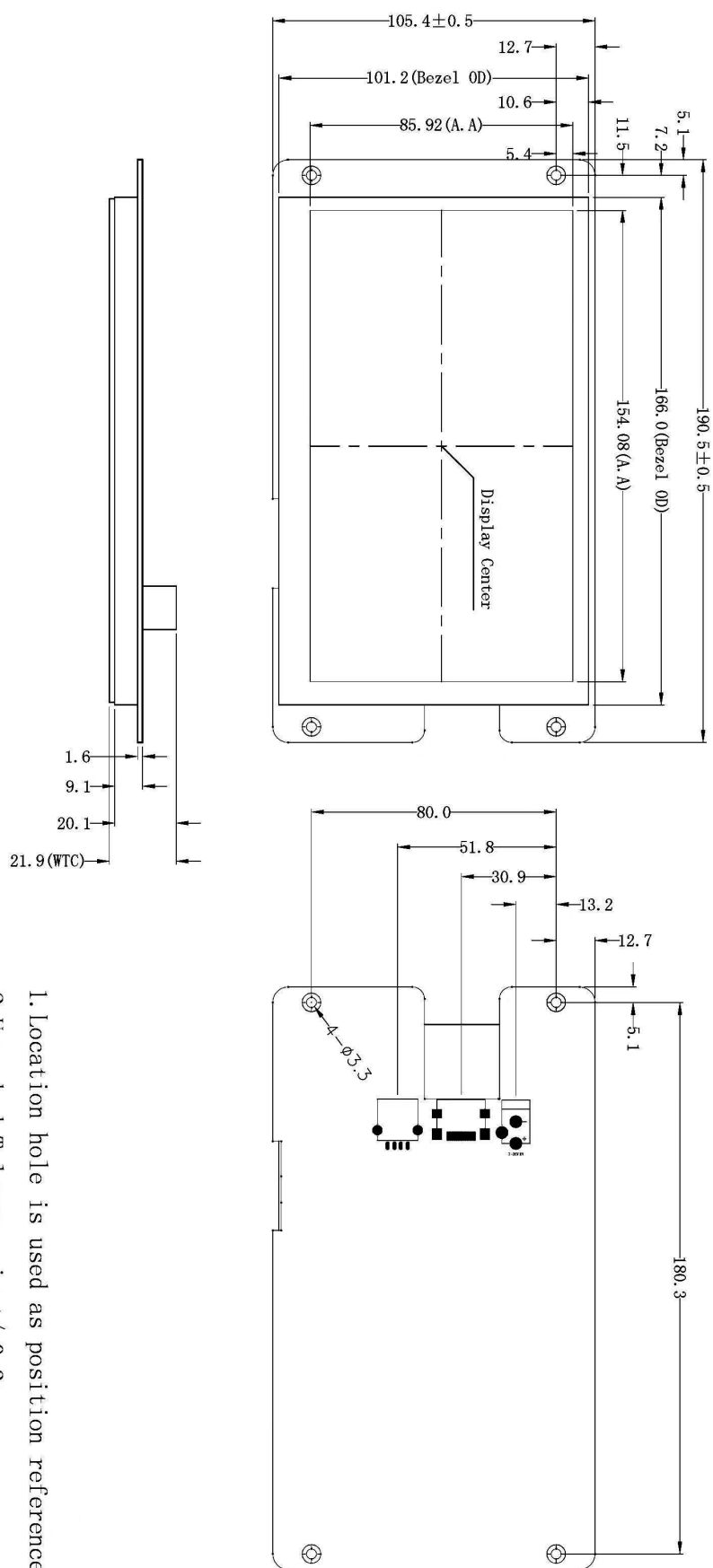
Item	Description
Socket	Power interface, HDMI interface
USB Interface	Yes (Connect USB Capacitive touch screen)
SD Card Slot	None

● Peripheral

Peripheral	Capacitive touch panel
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● Packing Capacity & Dimension

Dimension				
Dimension	190.5(W)*105.4(H)*21.9(T)mm			
Net Weight	300g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)*160mm(W)*47mm (H)	-	-	-
Carton2:	250mm(L)*200mm(W)*80mm (H)	2	1	2
Carton3:	320mm(L)*270mm(W)*80mm (H)	2	2	4
Carton4:	450mm(L)*350mm(W)*300mm(H)	1	20	20
Carton5:	600mm(L)*450mm(W)*300mm(H)	1	34	34



HDMI	HDMI	HDMI	HDMI
Pin1	TMS Data2-	Pin11	TMS Clock Shield
Pin2	TMS Data- Shield	Pin12	TMS Clock-
Pin3	TMS Data2-	Pin13	GCE
Pin4	TMS Data1-	Pin14	HFC Data- (Optional, HDMI 1.4 with Ethernet)
Pin5	TMS Data1-	Pin15	SCL (I2C Serial Clock for D00)
Pin6	TMS Data1-	Pin16	SDA (I2C Serial Data Line for D00)
Pin7	TMS Data0-	Pin17	D0C/CEC/HFC Ground
Pin8	TMS Data0 Shield	Pin18	+5V Power(Gmax 50mA)
Pin9	TMS Data0-	Pin19	Hot Plug Detect (All versions) and HFC Data- (Optional, HDMI 1.4 with Ethernet)
Pin10	TMS Clock+		

Model	HDW070-0081Z04				DWIN Technologies				
Drawing	A 4	Drawn	J G	Date					220715
Scale	1 : 1	Review		Date					
Unit	MM	Approval		Date					

1. Location hole is used as position reference.
2. Unmarked Tolerance is $\pm 0.3\text{mm}$

Active area is marked in Dash lines

Record records

Ver	Revise Date	Content	Editor
00	2022-12-08	First Edition	Kaya
01	2023-12-04	IC scheme change, update physical image	YML

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