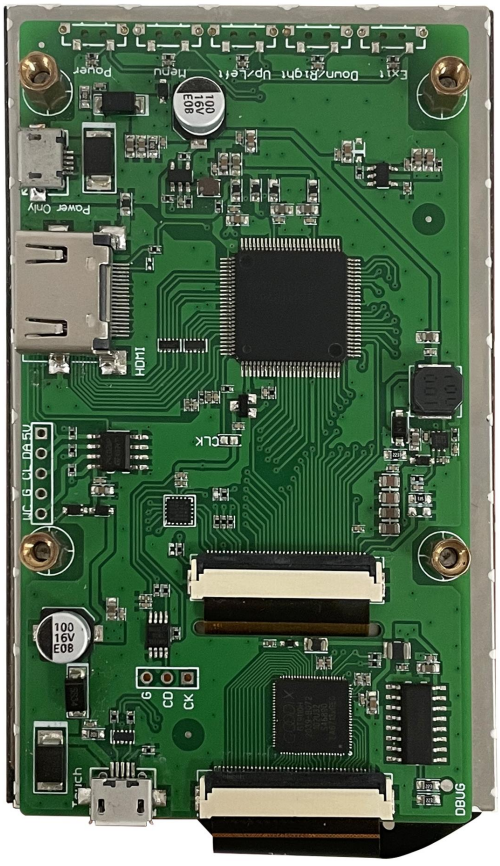
HDW043_001L

4.3 Inch, 480xRGBx800, 16.7M Colors, IPS screen, Capacitive touch



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Display

Item	Parameter	Description
Color	16.7M (16777216) colors	24 bit color 8R8G8B
Panel Type	IPS	IPS process TFT LCM ,wide viewing angle
Viewing Angle	85/85/85/85 (L/R/U/D)	Best View: symmetrical
Active Area (A.A.)	93.6mm (W) x 56.2mm (H)	480x800
View Area (V.A.)	94.0mm (W) x 56.6mm (H)	480x800
Resolution	480x800	-
Backlight	LED	>20000 hours (Time of the brightness decaying to 50% on the condition of continuous working with the maximum brightness)
Brightness	250nit	-
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	Conditions	Min	Typ	Max	Unit
Power Voltage	-	3.6	5.0	6.0	V
Operation Current	VCC = +5V, Backlight on	-	-	-	mA
	VCC = +5V, Backlight off	-	-	-	mA
Recommended power supply: 5V 1A DC					

Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 5V voltage	-10	25	60	℃
Storage Temperature	-	-20	25	70	℃
Working Humidity	25℃	10%	60%	90%	RH
Protective Paint	-	-	None	-	-

Interface

Item	Description
Socket	HDMI interface
USB Interface	Yes
SD Card Slot	None

Peripheral

Peripheral	
Peripheral	Capacitive touch panel

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Packing Capacity & Dimension

Dimension				
Dimension	103.7(W)* 63.0(H)*15.20(T)mm			
Net Weight	90g			
Packing Capacity				
Model	**Size**	**Layer**	**Quantity/Layer**	**Quantity(Pcs)**
Carton1:	220mm(L)*160mm(W)*47mm (H)	1	2	2
Carton2:	250mm(L)*200mm(W)*80mm (H)	2	2	4
Carton3:	320mm(L)*270mm(W)*80mm (H)	2	4	8
Carton4:	450mm(L)*350mm(W)*300mm(H)	2	30	60
Carton5:	600mm(L)*450mm(W)*300mm(H)	2	60	120

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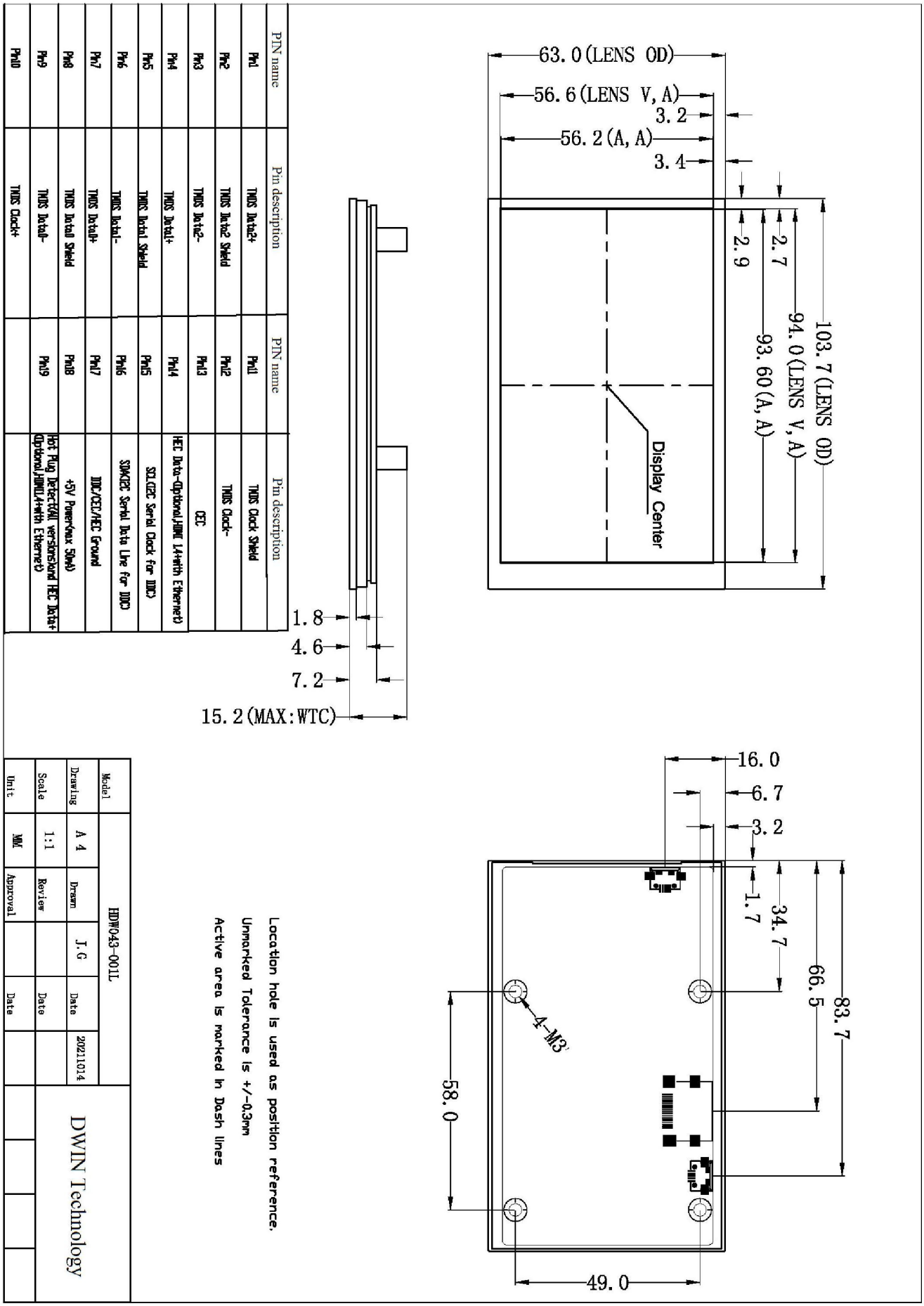

PIN name	Pin description	PIN name	Pin description
Pin1	TMDS Data2+	Pin1	TMDS Clock Shield
Pin2	TMDS Data2 Shield	Pin2	TMDS Clock-
Pin3	TMDS Data2-	Pin3	CEC
Pin4	TMDS Data1+	Pin4	HEC Data-(Optional,HDMI 1.4+with Ethernet)
Pin5	TMDS Data1 Shield	Pin5	SCL(EEC Serial Clock for DDC)
Pin6	TMDS Data1-	Pin6	SDA(EEC Serial Data Line for DDC)
Pin7	TMDS Data0+	Pin7	DDC/CEC/HEC Ground
Pin8	TMDS Data0 Shield	Pin8	+5V Power(max 50mA)
Pin9	TMDS Data0-	Pin9	Hot Plug Detect(All versions)and HEC Data+ (Optional,HDMI1.4+with Ethernet)
Pin10	TMDS Clock+		

Record records

Rev	Revise Date	Content	Editor
00	2022-12-15	First Edition	Kaya
01	2024-05-13	Update Temperature Range	YML

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