

HSD 8.4" IPS-Pro 1024x768 LCM product information

HannStar[®] Display Corporation

Hannstar 8.4" XGA IPS Spec Proposal

- 1.High Brightness (1000nits) with wide color gamut
- 2.Contrast up to 1400:1 by using Photo Alignment
- 3.100% fit all the outline dimension to MDTI' s 8.4 inch series products

Maker	Mitsubishi				HSD Proposal
Size	8.4	8.4	8.4	8.4	8.4
RES.	640x480	800x600	1024x768	1024x768	1024x768
Resolution-2	VGA	SVGA	XGA	XGA	XGA
Model Name	AA084VJ01	AA084SC01	AA084XE01	AA084XD01	New
Tech Type	TN	IPS	TN	IPS	IPS
Number of colors	262K(6bits)/16.7M(8bits)	262K(6bits)/16.7M(8bits)	262K(6bits)/16.7M(8bits)	262K(6bits)/16.7M(8bits)	262K(6bits)/16.7M(8bits)
Viewing Angle(H/V)	160/140	176/176	160/140	176/176	176/176
Pixel Pitch	0.267 × 0.267	0.213x0.213	0.1665x0.1665	0.1665x0.1665	0.1665x0.1665
Active Area	170.9x128.2	170.4x127.8	170.496x127.872	170.496x127.872	170.496 × 127.872
Bezel opening	174.9x132.2	174.9x132.2	174.9x132.2	174.9x132.2	174.9x132.2 ★
Pixel Design	Square	Square	Square	Square	Square
NTSC(%)	40	72	40	50	72 ★
Color Coordinates	(0.313, 0.329)	(0.313, 0.329)	(0.313, 0.329)	(0.313, 0.329)	(0.313, 0.329)
Interface	LVDS	LVDS	LVDS	LVDS	LVDS
Connector	LCD: 20pins BL: 6pins				
Luminance(nits)	800	600	500	700	1000 ★
Contrast	800	1000	800	1000	1400 ★
Outline Dimensions (mm)	199.5x149.0x9.7	199.5x149.0x9.7	199.5x149.0x9.7	199.5x149.0x9.7	199.5x149.0x9.7 ★
O.T.(°C)	-30~80	-30~80	-30~80	-40~80	-40~80
S.T.(°C)	-30~80	-30~80	-30~80	-40~80	-40~80
LED Lifetime(Typ)	100,000	100000	100000	100,000	100,000
LCD power supply (V)	3.3	3.3	3.3	3.3	3.3
LED Driver	with	with	with	with	with

Pin assignment

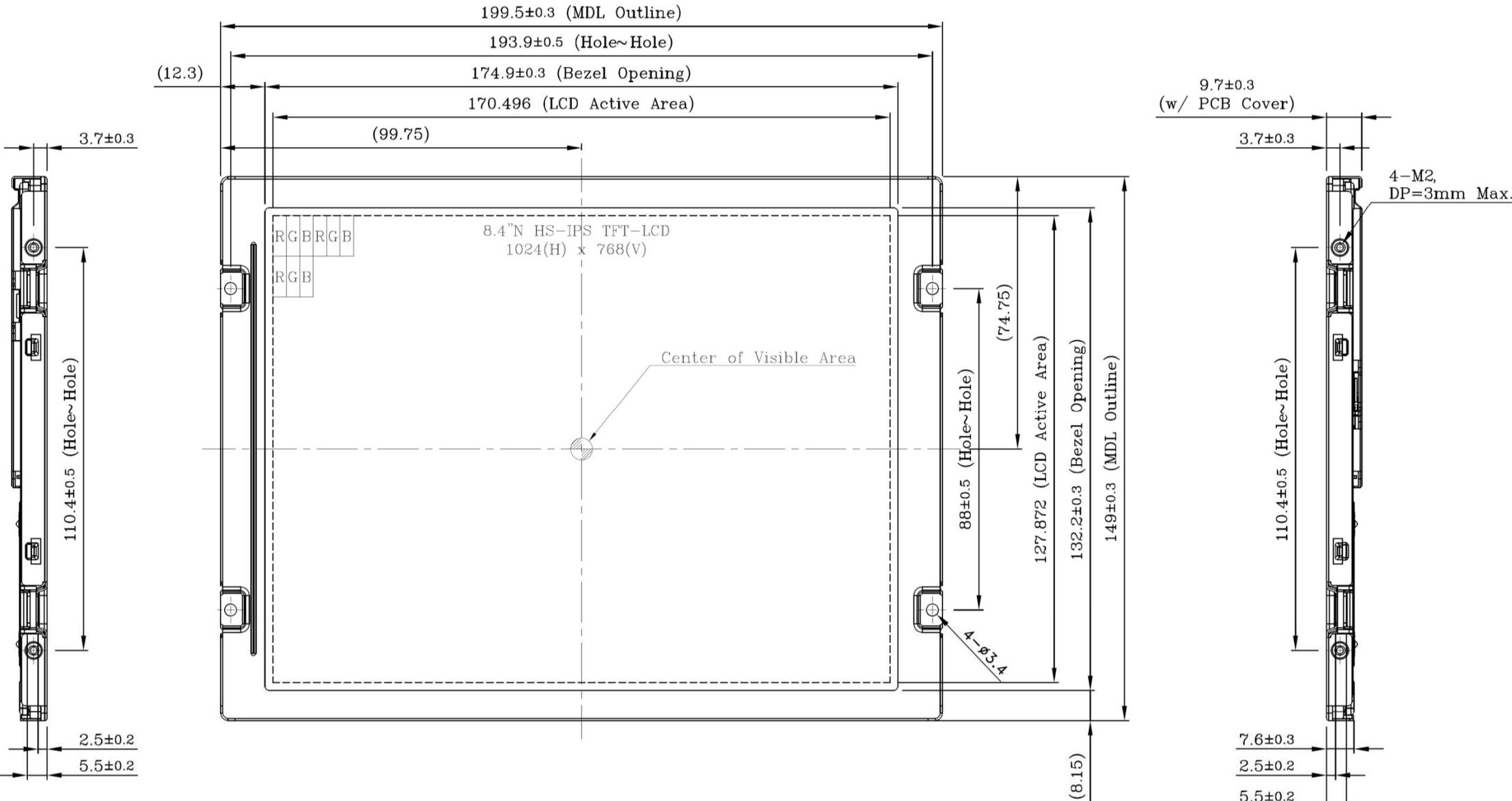
Pin assignment 100% fit Mitsubishi's AA084VJ01、AA084SC01、AA084XE01、AA084XD01 Products

Pin No.	Symbol	Function(ISP 6 bit compatibility mode)		Function(ISP 8 bit compatibility mode)
		6 bit input	8 bit input	
1	VCC	+3.3 V Power supply		←
2	VCC	+3.3 V Power supply		←
3	GND	GND		←
4	GND	GND		←
5	Link 0-	R0, R1, R2, R3, R4, R5, G0	R2, R3, R4, R5, R6, R7, G2	R0, R1, R2, R3, R4, R5, G0
6	Link 0+	R0, R1, R2, R3, R4, R5, G0	R2, R3, R4, R5, R6, R7, G2	R0, R1, R2, R3, R4, R5, G0
7	GND	GND		←
8	Link 1-	G1, G2, G3, G4, G5, B0, B1	G3, G4, G5, G6, G7, B2, B3	G1, G2, G3, G4, G5, B0, B1
9	Link 1+	G1, G2, G3, G4, G5, B0, B1	G3, G4, G5, G6, G7, B2, B3	G1, G2, G3, G4, G5, B0, B1
10	GND	GND		←
11	Link 2-	B2, B3, B4, B5, DENA	B4, B5, B6, B7, DENA	B2, B3, B4, B5, DENA
12	Link 2+	B2, B3, B4, B5, DENA	B4, B5, B6, B7, DENA	B2, B3, B4, B5, DENA
13	GND	GND		←
14	CLKIN-	Clock -		←
15	CLKIN+	Clock +		←
16	GND	GND		←
17	Link3-	See: *2)	R0, R1, G0, G1, B0, B1	R6, R7, G6, G7, B6, B7
18	Link3+	See: *2)	R0, R1, G0, G1, B0, B1	R6, R7, G6, G7, B6, B7
19	MODE	Low=ISP 6 bit compatibility mode		High=ISP 8 bit compatibility mode
20	SC	Reverse scan control (Low : Normal , High : Reverse)		←

Pin No.	Symbol	Function
1	VL	Power Supply Input Voltage
2	VL	Power Supply Input Voltage
3	GNDL	GND
4	GNDL	GND
5	BLEN	Backlight ON-OFF
6	V _{PDIM}	Light Dimming Control (PWM) Input Voltage

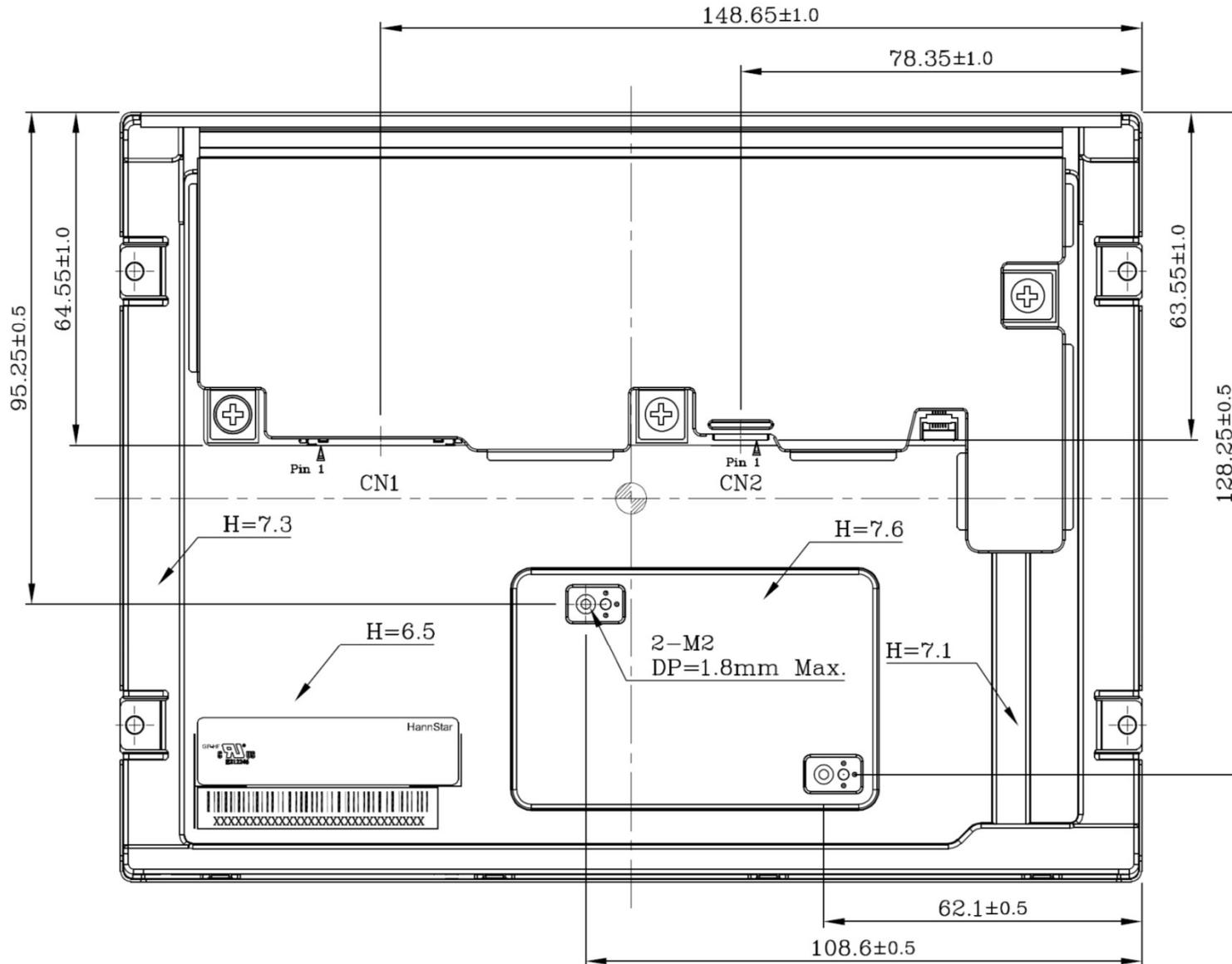
Outline Dimension

Mechanical dimensions are compatible with AA084VJ01、AA084SC01、AA084XE01、AA084XD01 Products
Included outline, bezel opening, side mount、front mount and CN1/CN2 connector positions.



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Mechanical dimensions are compatible with AA084VJ01、AA084SC01、AA084XE01、AA084XD01 Products
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Thank you
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※ Please contact HannStar Display Corp. before designing your product based on this proposal