G190EAN01.3
Engineering Change Notice

2026/03/10

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Description

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Purpose

- To ensure long-term supply stability, ADP will introduce a replacement model for G190EAN01. This change will consolidate resources while enhancing supply continuity, manufacturing efficiency, and overall product competitiveness. We are providing this advance notice to ensure a smooth and well-coordinated transition.

ADP Model	ADP Part No.	New model (Replacement Model)
G190EAN01.3	97.19G06.300	G190EAN01.310

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Product Specification : 19”

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Product specification	G190EAN01.3_Current	G190EAN01.310_Replacement model
Screen Diagonal	19”	←
Active Area	376.32 (H) x 301.06 (V)	←
Pixels H x V	1280(x3) x 1024	←
Pixel Pitch	0.294 (per one triad) x 0.294	←
Display Mode	Normally Black, AHVA	←
White Luminance	330 (center, Typ)	350 (center, Typ)
Contrast Ratio	1000 : 1 (Typ)	←
Optical ResponseTime	25 (Typ, on/off)	←
Color Gamut	NTSC 72%	←
Power Consumption	Logic: max. 4 W@ white pattern BLU Power : 11.6W TTL : 15.6W	←
Weight	1700 (Typ.)	←
Physical Size (H x V x D)	396(H)x324(V)x15.3(D)(Typ)	←
Electrical Interface	LVDS	←
Surface Treatment	Anti-Glare treatment	←
Support Color	16.7M colors	←
Temperature Range Operating Storage (Non-Operating)	0 to +50 -20 to +60	←

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EC Item 1 - Panel material & structure change

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EC Item			(Current) G190EAN01.3 97.19G06.300	(New) G190EAN01.3 97.19G06.310	Remark
LCD	Material	CF	Current Red, Green, Blue	PFAS Free Red, Green, and Blue	PFAS Free regulation
		LCD Glass	AGC	NEG	Supplier allocation
EE	Material	Source IC	Novatech	Raydium	Supplier allocation
		Gate IC	Novatech	**Gate IC on Array**	New design.
		TCON IC	AUO-12303	AUO-12315	Supplier allocation
		LB CNT	STM	CviLUX	Supplier allocation

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EC Item 1 - Panel material & Structure change

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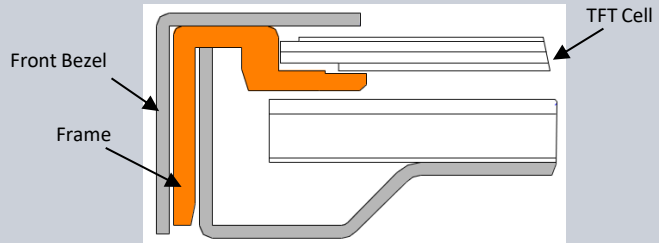
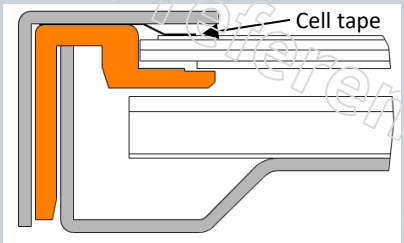
Change Item			(Current) G190EAN01.3 97.19G06.300	(New) G190EAN01.3 97.19G06.310	Remark
OM	Material	Diffuser_U	Keiwa A	Keiwa B	
		Diffuser_L	SKC	Lucky	Supplier allocation
		Reflector	Mitzubishi	Toray	Supplier allocation
	Structure	Cell tape	NA	Cell tape structure	Reinforce the structure to reduce particle intrusion.
		Conduction	Conduction tape	NA	New design doesn't require this tape.

(Current) **G190EAN01.3 /** 97.19G06.300	(New) **G190EAN01.3 /** 97.19G06.310
	

- Cell tape design: Reinforce the structure to reduce particle intrusion.

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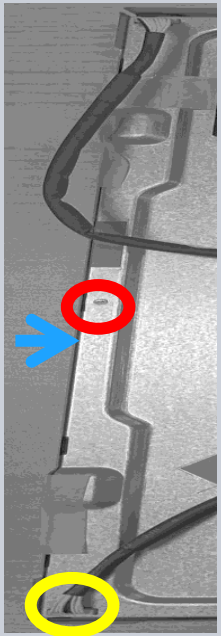
Overview of Module Appearance Differences

While the module dimensions are identical, three minor aesthetic differences are observable.

(Current) G190EAN01.300	Description	(New) G190EAN01.3 /11
	① Red-circled area: The positioning of the backlight module material has been relocated downward to enhance its thermal resistance. 	
	② As indicated by the blue arrow: The redesigned plastic frame is moved outward to provide a better dust-proof effect. 	
	③ Yellow-circled area: The LED light bar connector has been changed to a horizontal orientation to prevent damage caused by accidental impact during the assembly process. 	
➢ Cell tape design: Reinforce the structure to reduce particle intrusion.		

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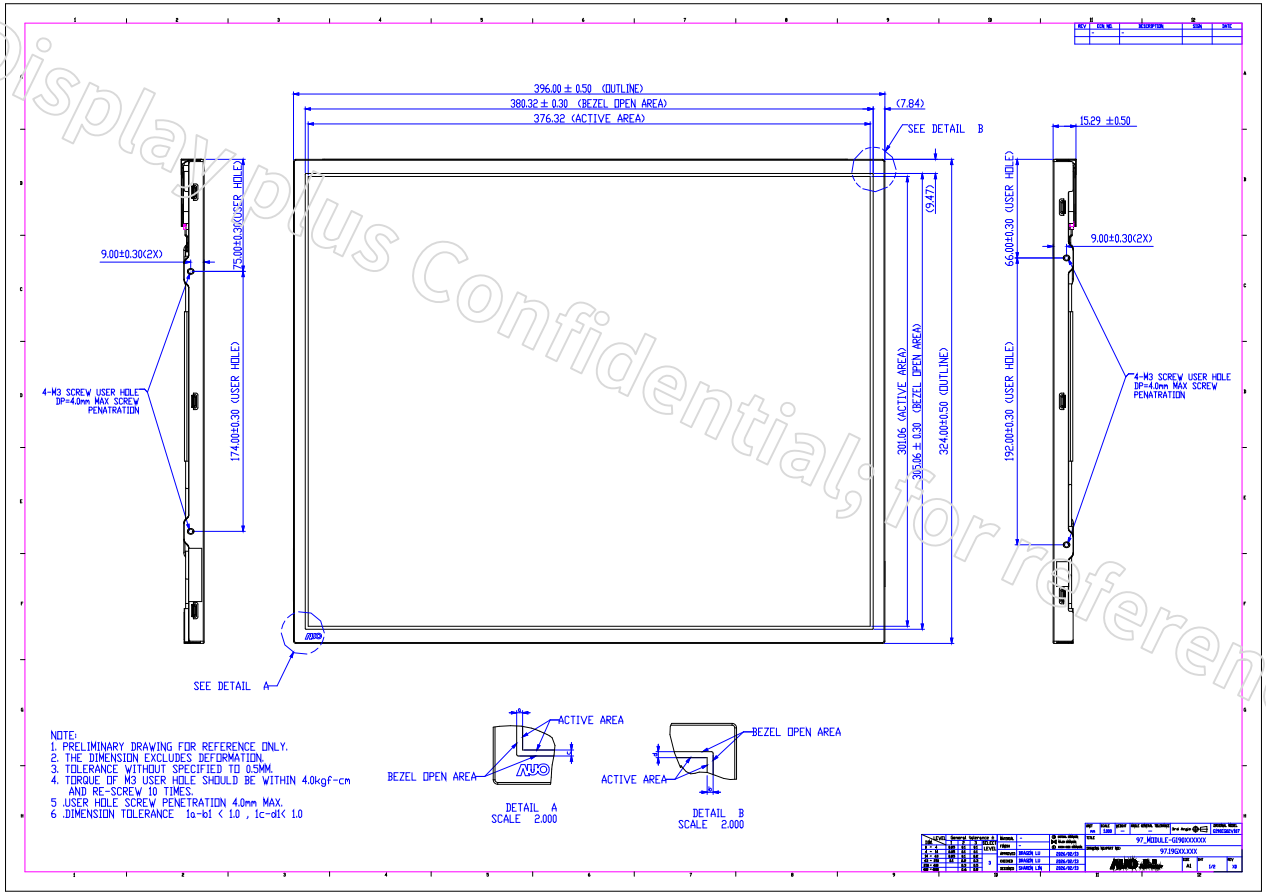
EC Item 2 - 2D Drawing

- Front side:



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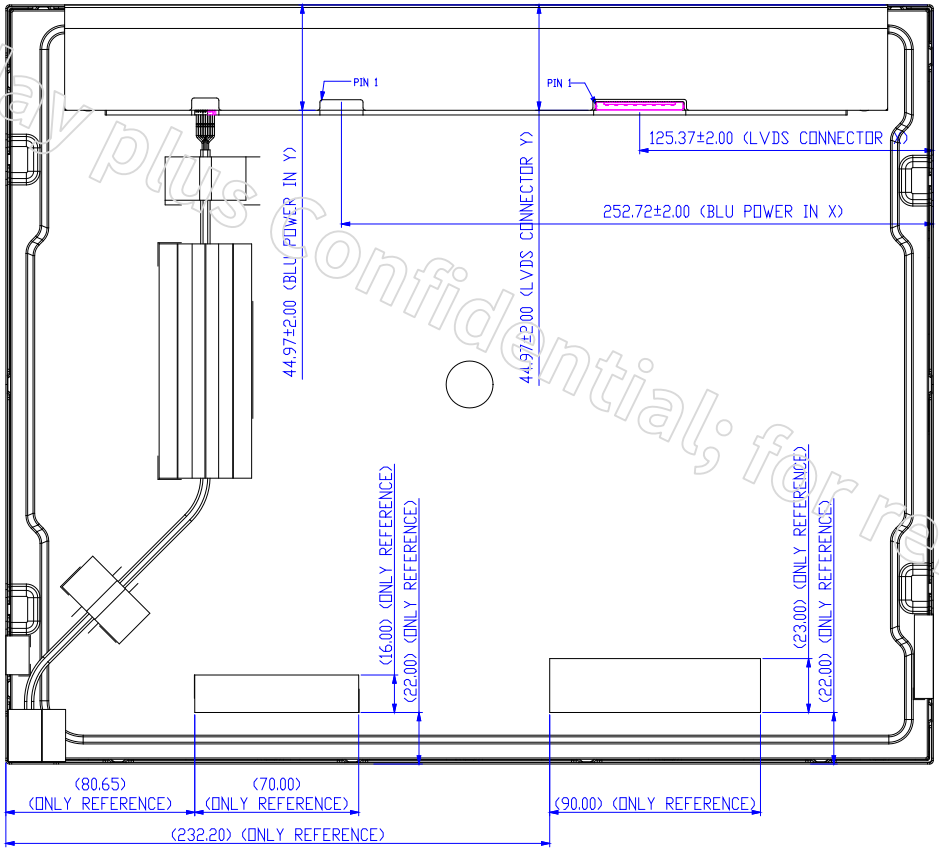
EC Item 2 - 2D Drawing

- Back side (remove conduction tape):



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EC Item 3 - Label

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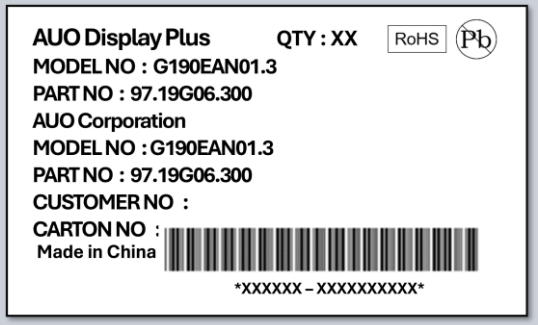





- Shipping label & Carton label

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EC Schedule

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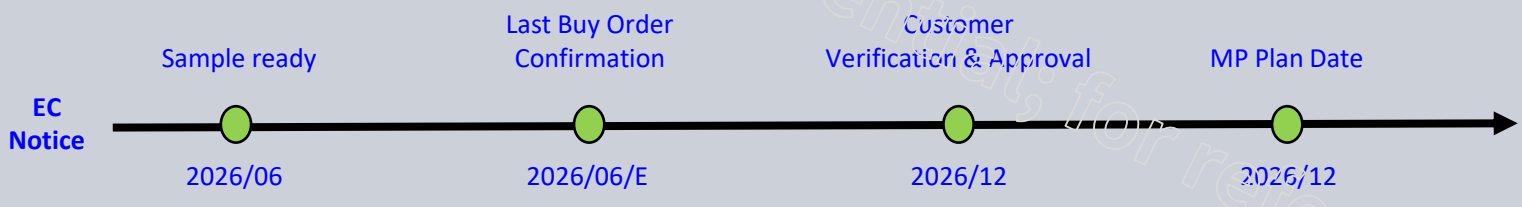
EC Schedule



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