G190EAN01.0
Engineering Change Notice

2026/03/13

AUO Display+

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)
G190EAN01.0	97.19G06.002	G190EAN01.012

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Product Specification : 19”

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Product specification	G190EAN01.0_Current	G190EAN01.012_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	AHVA	←
White Luminance	300 (center, Typ)	←
Contrast Ratio	1000 : 1 (Typ)	←
Optical ResponseTime	25 (Typ, on/off)	←
Color Gamut	NTSC 72%	←
Power Consumption	Logic: typ. 3.5 W @2 dot checker BLU Power : typ. 14.4W TTL : typ. 17.9W	←
Weight	1550 (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) G190EAN01.0 97.19G06.002	(New) G190EAN01.0 97.19G06.012	Remark
LCD	Material	CF/OC/PS	Current Red, Green, Blue, OC & PS	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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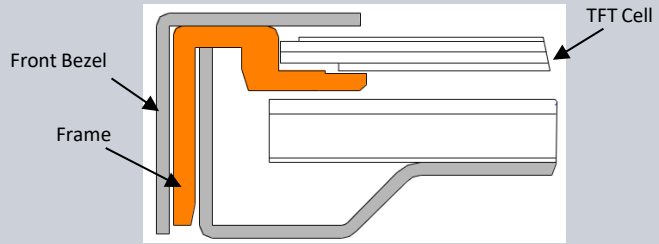
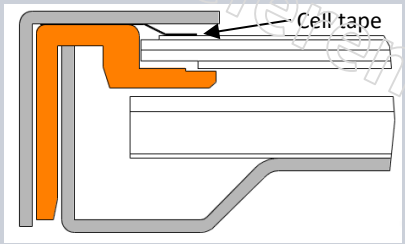
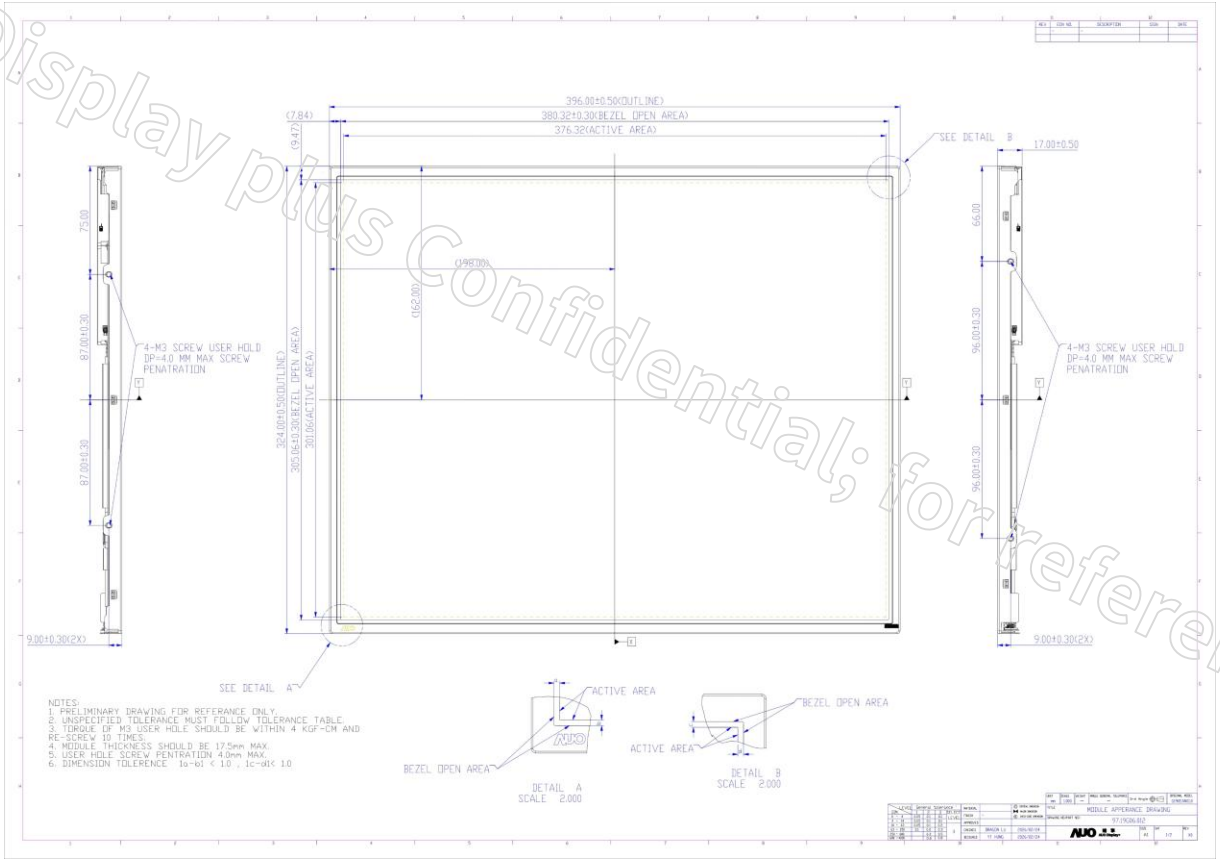
Change Item			(Current) G190EAN01.0 97.19G06.002	(New) G190EAN01.0 97.19G06.012	Remark
OM	Material	DBEF	3M A	3M B	Supply issue
		Diffuser	Lucky	Dimosi	Supplier allocation
		LGP	Printing	Hot-pressing	New design provides better compatibility with hot-pressing.
		Reflector	Toray A	Toray B	Supply issue
	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) G190EAN01.0 / 97.19G06.002	(New) G190EAN01.0 / 97.19G06.012
	

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

EC Item 2 - 2D Drawing

- Front side:



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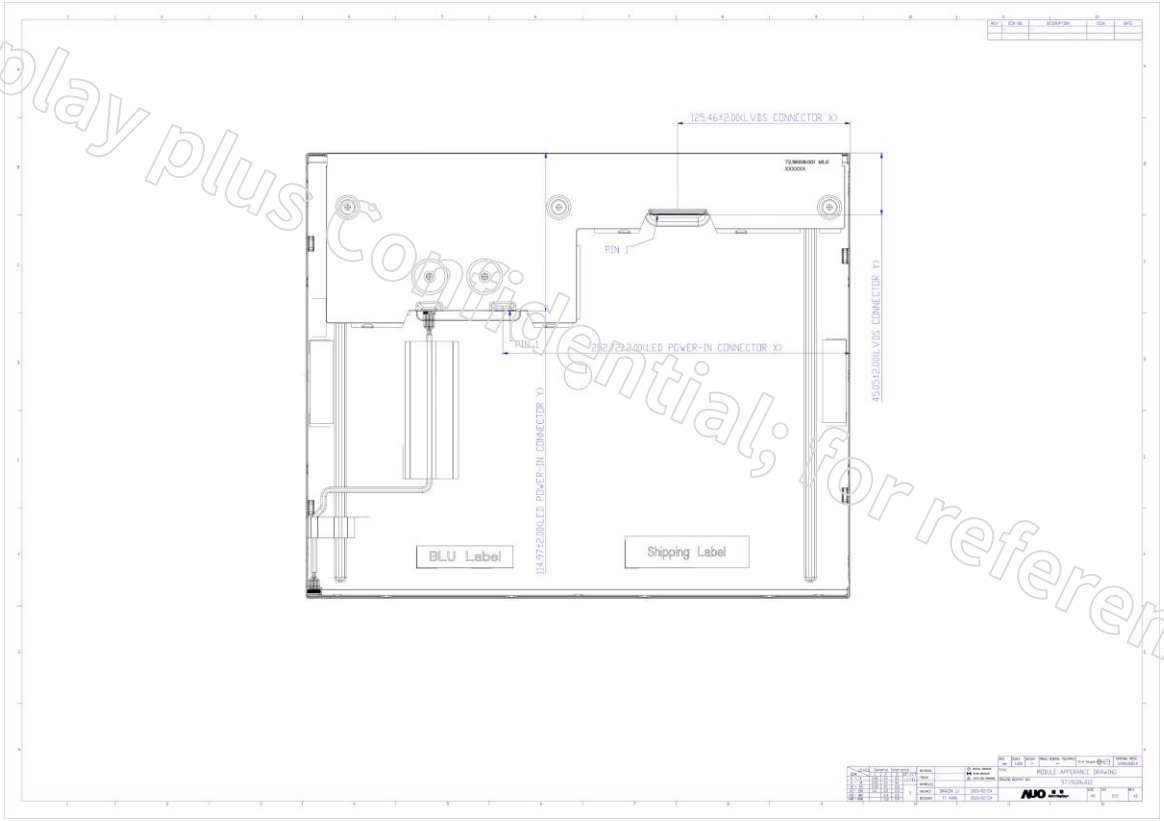
EC Item 2 - 2D Drawing

- Back side (remove conduction tape):



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EC Item 3 - Label

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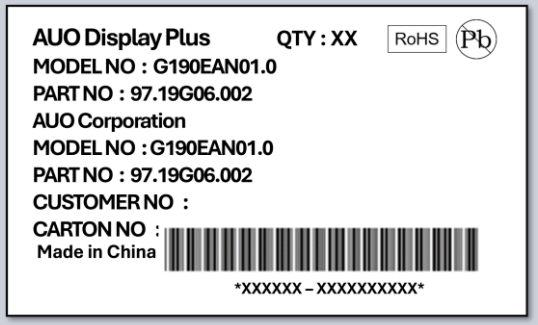	

- Shipping label & Carton label

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EC Schedule

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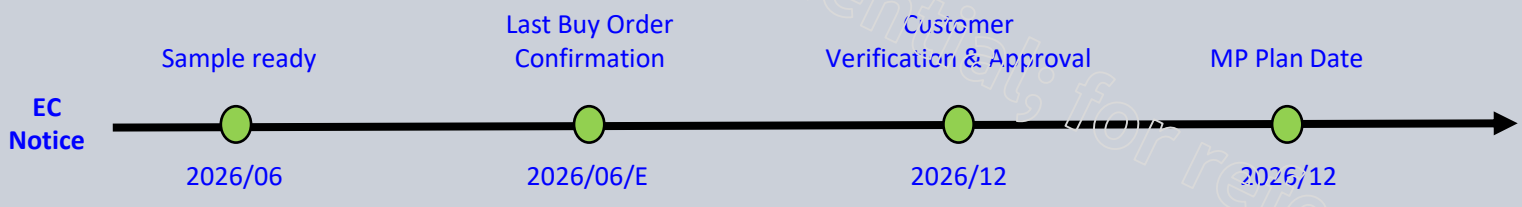
EC Schedule



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