



AU Optronics Corporation

Engineering Change Notice

Document No: PD23M-04-0-4645
Product Type: 23.8
Model Name: M238HVN01.0
Issued Date: 2019/11/21

Requested by
 Signature 林燦仁 童明棟
 Date 2019/11/27
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 Title 行銷一部

1. Purpose

ES 7.0 --> ES 8.0

2. Changes

LED

Comparison Table

Compare	M238HVN01.1 (Module)							
	Current (ES7.0)			New (ES8.0)				
White Luminance (cd/m2) (Typ.)	250			←				
Contrast Ratio (Typ.)	3000:1			←				
Color Gamut (Typ.)	NTSC 72%			←				
Active Area (mm)	527.04 (H) x 296.46 (V)			←				
Pixel Pitch (um)	274.5(per one triad)x274.5			←				
Module Outline Dimension (mm)	543.0(H) x 317.4(V) x 11.2(D) (Typ.)			←				
Electrical Interface	Dual channel LVDS			←				
T.con ASIC	AUO-12303			←				
S-IC	RM9113			←				
G-IC	N/A			←				
ES verison	ES7.0			ES 8.0 Final				
L/B	LGIT 4014*68EA			EVE 4014*68EA				
BLU current	70mA			50mA				
Power Consumption (VDD line + LED line)	13.1(Typ.)			12.72(Typ.)				
LED String Current	LCD module:PDD (Typ.)=3.2@White pattern, Typ: 70mA / Max: 77mA			LCD module:PDD (Typ.)=3.2@White pattern, Typ: 50mA / Max: 55mA				
LED String Voltage	Min: 45.9 V / Typ: 49.3 V / Max: 52.7 V			Min: 44.2 V / Typ: 47.6V / Max: 51V				
LED Light Bar Power Consumption	Typ: 9.9Watt / Max: 10.5Watt			Typ: 9.52 Watt / Max: 10.2 Watt				
Color / Chromaticity Coordinates (CIE 1931)	Red x	0.624	0.654	0.684	Red x	←	←	←
	Red y	0.304	0.334	0.364	Red y	←	←	←
	Green x	0.29	0.32	0.35	Green x	←	←	←
	Green y	0.592	0.622	0.652	Green y	←	←	←
	Blue x	0.124	0.154	0.184	Blue x	←	←	←
	Blue y	0.042	0.079	0.102	Blue y	←	←	←
	White x	0.283	0.313	0.343	White x	←	←	←
	White y	0.299	0.329	0.359	White y	←	←	←

Figure : M238HVN01.0 ES8.0.png

3. Desired Implementation Method & Date

2020/01/15 ; RUNNING CHANGE ;

4. Attachment

Customer (PROMATE) Feedback

Disposition

Agree

Disagree, Comment:

Note: Please kindly reply to AUO within 14 calendar days upon receipt. This ECR will be regarded as "Agree" if AUO does not receive

Agreed by:

Signature _____

Date _____

Name _____

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