



G156HAN02.302 to G156HAN02.303 LED Driver IC & BLUEC notice

2024.07.18

AUO Display Plus LED Driver IC & BLU EC

- **Purpose :** In order to maintain product competitiveness, we would like to adopt new PCBA circuit with new LED driver IC (BD9276) and change to new BLU.

- **Change Items:**

Key parts of PCBA

No.	Function	<u>Before:</u> Type Name, Vender	<u>After:</u> Type Name, Vender
1	LED Driver IC	NT50508 *2, NVT	BD9276*1, ROHM

Key parts of BLU

No.	Function	<u>Before:</u> Type Name, Vender	<u>After:</u> Type Name, Vender
1.	Light guide plate	PMMA print, vendor A	PMM thermoforming, vendor B
2.	LED	PT40XXX XX, Lextar , 50ea	01.JP.ZC4014XXXXXX, JF, 45ea
3.	Optical films	----	Suppliers and type are different

- **Implement date & method:**

Running Change from 2024.Q4

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➤ Schedule:



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➤ Optical:

Optical Measurement Report													
Originator	chun li		Model/PCS		G156HAN02.3 /5PCS			Date	2024/2/19				
Test Condition Lum.,CR,Chromaticity,Uniformity,Gary Scale,V-T, View Angle,RT,CrossTalk,Flicker													
Test System	Detector	Inverter		DC Voltage				Warm up time					
FPM-520-2	SR-UL1R	NA		12V				30 min					
【Test Reason】													
G156HAN02.3 RA													
【Judgement】													
PASS													
Test Items	unit	PSS							-4σ	mean	+4σ		
		B885J3BRZZS0			B8672WRZZS0		B92W8JZRZZS0					B92W8JKZZS0	
		min	typ	max									
Center Brightness	cd/m ²	400	500		509.6	511.7	494.8	510.8	512.9	478.1	507.9	537.8	
Darkness (L0)					0.39	0.37	0.38	0.40	0.36	0.314	0.38	0.444	
Contrast Ratio(CR)		700	1000		1299.8	1380.4	1310.1	1286.4	1436.2	1087.7	1342.6	1597.5	
Brightness(5P Ave.)	cd/m ²				472.8	458.2	462.6	479.5	469.5	435.0	468.5	502.1	
Chromaticity													
Wx	---	0.263	0.313	0.363	0.312	0.313	0.309	0.313	0.310	0.304	0.311	0.318	
Wy	---	0.279	0.329	0.379	0.324	0.325	0.320	0.324	0.320	0.312	0.323	0.333	
Rx	---	0.589	0.639	0.689	0.651	0.651	0.649	0.651	0.650	0.648	0.650	0.653	
Ry	---	0.283	0.333	0.383	0.332	0.332	0.332	0.333	0.332	0.331	0.332	0.333	
Gx	---	0.252	0.302	0.352	0.295	0.295	0.294	0.296	0.295	0.292	0.295	0.298	
Gy	---	0.574	0.624	0.674	0.608	0.608	0.609	0.608	0.608	0.606	0.608	0.610	
Bx	---	0.107	0.157	0.207	0.146	0.146	0.146	0.147	0.147	0.146	0.146	0.147	
By	---	0.008	0.058	0.108	0.058	0.059	0.057	0.058	0.057	0.056	0.058	0.060	
NTSC	---	---	72		74.8	74.7	74.8	74.6	74.7	74.460	74.719	74.979	

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➤ RA:

Product No		G156HAN02.3		Part No		97.15G25.303		Applicant/Dept		那珂习RRR/PBF3		Judgement	
Test Purpose		G156HAN02.3 RA						Application Date		2024/01/19		Pass	
RA No		D240125011		Product Stage		DYI		Input Date		2024/01/29			
Test Item		Test Condition		Test Panel				Test Result					
THB	50°C 80% 500h	No	Chip_Id	Shipping_No		T0*	T100*	T200*	T300*	T500	Judgement	Judgement	
		D2401250110001		6J3B8672WVTZZZS0103		OK	OK	OK	OK	OK	PASS	PASS	
		D2401250110002		6E3B92W7TDZZZS0103		OK	OK	OK	OK	OK	PASS		
		D2401250110003		6E3B92W8PZZZS0103		OK	OK	OK	OK	OK	PASS		
HTO	70°C 500h	No	Chip_Id	Shipping_No		T0*	T100*	T200*	T300*	T500	Judgement	Judgement	
		D2401250110004		6H3B85J3BKZZZS0103		OK	OK	OK	OK	OK	PASS	PASS	
		D2401250110005		6E3B92W8LMZZZS0103		OK	OK	OK	OK	OK	PASS		
		D2401250110006		6E3B92W8JTZZZS0103		OK	OK	OK	OK	OK	PASS		
LTO	-20°C 500h	No	Chip_Id	Shipping_No		T0*	T100*	T200*	T300*	T500	Judgement	Judgement	
		D2401250110007		6J3B8672WVMZZZS0103		OK	OK	OK	OK	OK	PASS	PASS	
		D2401250110008		6E3B92W8PRZZZS0103		OK	OK	OK	OK	OK	PASS		
		D2401250110009		6E3B92W8PTZZZS0103		OK	OK	OK	OK	OK	PASS		
LTS	-30°C 500h	No	Chip_Id	Shipping_No		T0*	T100*	T200*	T300*	T500	Judgement	Judgement	
		D2401250110010		6E3B92W8MEZZZS0103		OK	OK	OK	OK	OK	PASS	PASS	
		D2401250110011		6E3B92W8PEZZZS0103		OK	OK	OK	OK	OK	PASS		
		D2401250110012		6E3B92W8MHZZZS0103		OK	OK	OK	OK	OK	PASS		
HTS	70°C 500h	No	Chip_Id	Shipping_No		T0*	T100*	T200*	T300*	T500	Judgement	Judgement	
		D2401250110013		6E3B92W8LTZZZS0103		OK	OK	OK	OK	OK	PASS	PASS	
		D2401250110014		6E3B92W8PPZZZS0103		OK	OK	OK	OK	OK	PASS		
		D2401250110015		6E3B92W8JDZZZS0103		OK	OK	OK	OK	OK	PASS		
TST	-20°C/30min, 60°C/30min, 100 cycles judge 100cycles	No	Chip_Id	Shipping_No		C0*	C100*				Judgement	Judgement	
		D2401250110016		6E3B92W7TMMZZZS0103		OK	OK				PASS	PASS	
		D2401250110017		6E3B92W8PBZZZS0103		OK	OK				PASS		
		D2401250110018		6E3B92W8JGZZZS0103		OK	OK				PASS		

保管單位 Storage	RA
保存年限 Retention Period	依產品適用規範保存(參照: A100P-05-002 紀錄管制流程)

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➤ RA:



Test Result (Summary)

Test Item	Test Condition	Qty	Test Date	Judge
Shock	Acceleration:50 G Wave: Half-sine Active Time:20 ms Direction:±X,±Y,±Z (one time for each Axis)	3	2024-2-2	PASS

Test Item	No.	S/N	Before test (T0)	After test
Shock	1	6E3B92W8LBZZS0103	OK	PASS
	2	6E3B92W8JNZZS0103	OK	PASS
	3	6E3B92W8LQZZS0103	OK	PASS



Test Result (Summary)

Test Item	Test Condition	Qty	Test Date	Judge
Vibration	Acceleration:1.5 Grms Wave: Random Frequency: 10 - 200 Hz Sweep: 30 Minutes each Axis (X, Y, Z)	3	2024-2-15	PASS

Test Item	No.	S/N	Before test (T0)	After test
Vibration	1	6E3B92W8PCZZS0103	OK	PASS
	2	6E3B92W8PJZZS0103	OK	PASS
	3	6H3B85J3BNZZS0103	OK	PASS

Tap Into The Possibilities

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