Product Validation Report

Product Name	**: RUG3123CMII v2**
Model Name	**: RUG3123CMII**
Product Stage	**: SS**
Product No.	**: 5A2C313053000002**
Revision	**: 0**

Prepared By : Joe Lin **Date： 2026/08/31**

Approved By : RongChi **Date： 2026/08/31**

Index & Content			
Part	**Test Item**	**Descriptions**	**Result**
H/W	Burn In Test	Test and verify monitor's stability.	PASS
Reliability	Power on off repetition	To check that there is no part breakage, deterioration or variation of characteristics, or other abnormalities when the power supply is turned on/off as assumed to occur during product usage.	PASS

Product Front View



Product Rear View

Available Connections

Burn In Test

Test Engineer	Joe Lin	Date	2026/8/27	Stage	Result
				SS	PASS

Test Propose

Test and verify monitor's stability.

Evaluation Environment

Temperature	24±2°C
Relative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel ® Core™ i5-4440 CPU@3.10GHz		
Graphics Card	NVIDIA Quadro K2000D-Driver 392.00		
OS	Windows 7 Professional 32 bit		
Test Equipment	EXTECH AC POWER SOURCE CFW-105		

Evaluation Unit Level

LCD Type	INNOLUX R315DCJ-KS4
Power Adapter	24V / 4.5A
F/W Version	RUG3123CMII-260819R0V01
Main Board	RTD2797
Controller Board	N/A
Speaker	N/A
Interface Option	HDMI、DP、DVI
Panel Type	AR-Glass
Serial Number	RD260128001

Test Standard

Burn In Test Specification

Criteria

1. No any failure during the test
2. Document everything.

替代料驗證

2AAD619014S Flash

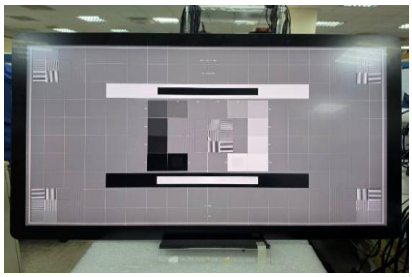
3AW25Q1603Y → 3A25V16351Y, U1005

MLCC,

3CC10450K2W → 0.1u, 50V, X7R, 0603, MURATA , C606

3CC47501MPT → 4.7u, 6.3V, X5R, 0402, TAIYO , C383

Burn In Test							
Test Procedure						**Result**	**Note**
1. Confirm set the monitor to burn in mode.						**Pass**	
2. Make sure burn in mode works on monitor.						**Pass**	
3. Burn in test time 24 hours or more.						**Pass**	
4. After test, check the function operate normally.						**Pass**	
Test Condition							
Applied Voltage	110V/60Hz	**Test Pattern**	Burn in pattern	**Test Duration**	24 hours or more		
Function Check						**Before Test**	**After Test**	**Note**
Electronic	OSD Control Function	Auto Setup				**Pass**	**Pass**	
		Brightness				**Pass**	**Pass**	
		Contrast				**Pass**	**Pass**	
		Display				**Pass**	**Pass**	
		Scaling				**Pass**	**Pass**	
		Display				**Pass**	**Pass**	
		Key Lock				**Pass**	**Pass**	
		Audio				**Pass**	**Pass**	
		Power LED				**Pass**	**Pass**	
		Recall				**Pass**	**Pass**	
		OSD System Info Check				**Pass**	**Pass**	
	System	Normal Boot-up				**Pass**	**Pass**	
		Normal Shutdown				**Pass**	**Pass**	
		Normal Reboot				**Pass**	**Pass**	
Led Indicator Check	Check Power Indicator status show Green and operation normal.					**Pass**	**Pass**	
	Check Power Indicator status show Orange and power saving mode.					**Pass**	**Pass**	
	Check Power Indicator status show off and power off mode.					**Pass**	**Pass**	
Image Quality	Check SMPTE TEST PATTERN					**Pass**	**Pass**	
	Check ColorBar TEST PATTERN					**Pass**	**Pass**	
	Check GrayScale TEST PATTERN					**Pass**	**Pass**	
	Check Raster TEST PATTERN					**Pass**	**Pass**	
Power Management	Check Power AC On/Off 10 times					**Pass**	**Pass**	
	Check Power DC On/Off 10 times					**Pass**	**Pass**	
	Check Power Saving On/Off 10 times					**Pass**	**Pass**	

PHOTO OF TEST		
		
		
		

Power on/off repetition Test

Test Engineer	Joe Lin	Date	2026/8/31	Stage	Result
				SS	PASS

Test Propose

To check that there is no part breakage, deterioration or variation of characteristics, or other abnormalities when the power supply is turned on/off as assumed to occur during product usage.

Evaluation Unit Level

Temperature	25°C±2°C
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Computer	Pentium ®Dual-core cpu E5500@2.80GHz		
Graphics Card	NVDIA Geforce 210		
O.S.	Win 7 64bit		
Evaluation Equipment	6700 SERIES PROGRAMMABLE AC POWER SOURCE		

Evaluation Unit Level

LCD Type	INNOLUX R315DCJ-KS4
Power Adapter	24V / 4.5A
F/W Version	RUG3123CMII-260819R0V01
Main Board	RTD2797
Controller Board	N/A
Speaker	N/A
Interface Option	HDMI、DP、DVI
Touch Panel Type	AR-Glass
Serial Number	RD260128001

Test Standard

DIVA Reliability Analysis Specification

Test Condition

Carry out this at the voltage rated in the applicable specification ±10%, for 50 times for each.

Criteria

No breakage or obvious performance deterioration shall be found during or after the test.

替代料驗證
2AAD619014S Flash
3AW25Q1603Y → 3A25V16351Y, U1005
MLCC,
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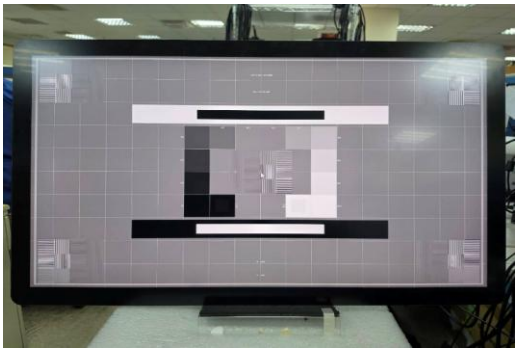
DIVA Labs. Product Validation Report

Test Procedure	Result	Note
1. Connect the test machine to the switch box and set AC voltage 110V/60Hz.	Pass	
2. Confirm set the power on/off test tool , boot for 10 seconds, shut down for 10 seconds.	Pass	
3. Verify the power switch for at least three days .(50 times)	Pass	
4. After the test, check if the display function and picture normal.	Pass	

Test Condition					
Applied Voltage	110V/60Hz	Brightness	100	Contrast	90
Color Mode	User	Test Pattern	Full White Pattern	Resolution	3480x2160/60Hz(DP)
Sample Condition	Operation	Power on/off time	Power on 10 sec Power off 10 sec	Test Cycle	50 times
Input SignInput Signalal	DP				

Test Result						
Applied Voltage	Resolution	Test Pattern	Input Signal Source	Power On/Off Test Cycle	Result	Note
AC 110V/60Hz	3480x2160/60Hz(DP)	Full White Pattern	DP	50 times	PASS	

Function Check			Before Test	After Test	Note
Electronic	OSD Control Function	OSD Light Bar Adjust	Pass	Pass	
		Brightness	Pass	Pass	
		Contrast	Pass	Pass	
		Color Mode	Pass	Pass	
		OSD Display	Pass	Pass	
		Recall	Pass	Pass	
		OSD Information Check	Pass	Pass	
	System	Normal Boot-up	Pass	Pass	
		Normal Shutdown	Pass	Pass	
		Normal Reboot	Pass	Pass	
Led Indication Check	Green-> Input signal is stable		Pass	Pass	
	Orange-> Power saving or no signal		Pass	Pass	
Image Quality Check	SMPTE/ColorBar/Grayscale Test Pattern		Pass	Pass	
Touch Function Check	USB touch device check		Pass	Pass	
	Confirm USB touch function is normal		Pass	Pass	
	Power AC On/Off and USB touch normal operation		Pass	Pass	
Aidio Function Check	Confirm adjust the volume of the sound at the range from 0 to 100		Pass	Pass	
	Mute (The mute set / is released)		Pass	Pass	
Power Management	Power AC On/Off Backlight Max 10 times		Pass	Pass	
	Power saving on/off 10 times		Pass	Pass	

PHOTO OF TEST		
		Note
		
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