Product Validation Report

Product Name : **RGD1252AM**

Model Name : **RGD1252AM**

Product Stage : **MP**

Product No. : **1A3A1223Q205600**

Revision : **0**

Prepared By : **Jack Lu** **Date** : **2026/08/17**

Approved By : **Rongchi_Liao** **Date** : **2026/08/17**

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Part	**Test Item**	**Descriptions**	**Result**
F/W	1. Burn In Test	Test and verify monitor's stability. Criteria: 1. No any failure during the test 2. Document everything.	PASS
F/W	2. 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. Criteria: No breakage or obvious performance deterioration shall be found during or after the test.	PASS

1. Burn In Test

Test Engineer	Jack Lu	Date	202608/13~2026/8/14	Stage	Result
				MP	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-Driver392.00		
OS	Windows 7 Professional 32 bit		
Test Equipment	EXTECH AC POWER SOURCE CFW-105	N/A	N/A

Description Of Replacement Parts

Description Of Change	Location	Old	New
	C112 / C119 / C130	DIVA: 3CC10250K2W CC (0.01U,25V,X7R,K,0603,WALSIN)	DIVA: 3CC10350K2W CC (0.01U,50V,X7R,K,0603,WALSIN)

Evaluation Unit Level

LCD Type	AUO P-CAP type: G121EAT02.0
F/W Version	RGD1252AM 190221R0V01
Main Board	2AAD453R138
Interface Option	HDMP / DP
Serial Number	RD190215012

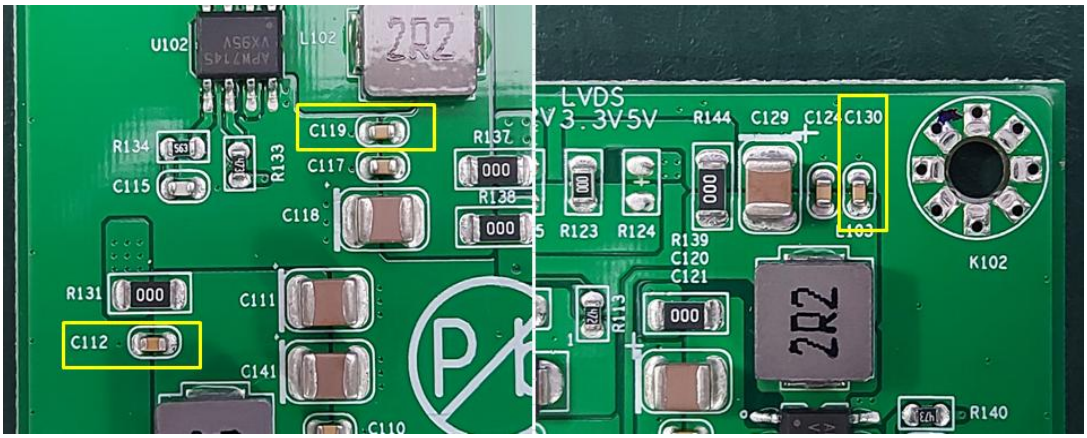
Test Standard

Burn In Test Specification

Criteria

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

Burn In Test							
Test Procedure						**Result**	**Note**
1. Confirm set the monitor to burn in mode.						**Pass**	
2. Check that there's no abnormal screen happen during the burn in test.						**Pass**	
3. After test, check the function operate normally.						**Pass**	
Test Condition							
Applied Voltage	110V/60Hz	**Test Pattern**	Burn In Pattern	**Test Duration**		24 hours	
Function Check					**Before Test**	**After Test**	**Note**
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**	
Display Screen Check	Check Not abnormal screen				**Pass**	**Pass**	
	Check Not noise screen				**Pass**	**Pass**	
	Check Not black screen				**Pass**	**Pass**	
	Check Not flicker screen				**Pass**	**Pass**	

PHOTO OF TEST		
Old CC (0.01,25V,X7R,K,0603) Change to New CC (0.01,50V,X7R,K,0603)		Note
		
Before Test	**Test Condition**	**Note**
		
After Test		**Note**
		

2. Power On/Off Repetition

Test Engineer	Jack Lu	Date	2026/8/14~2026/8/17	Stage	Result
				MP	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 Environment

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

Evaluation Equipment

Processor	Gen Intel® Core ™ i3-3220CPU@ 3.300GHz		
Graphics Card	NVIDIA Quadro K2000 - Driver 462.96		
OS	Windows 10 Pro 64bit		
Test Equipment	6700 SERIES PROGRAMMABLE ACPOWER SOURCE Model NUMBER6705	N/A	N/A

Description Of Replacement Parts

	Location	Old	New
Description Of Change	C112 / C119 / C130	DIVA: 3CC10250K2W CC (0.01U,25V,X7R,K,0603,WALSIN)	DIVA: 3CC10350K2W CC (0.01U,50V,X7R,K,0603,WALSIN)

Evaluation Unit Level

LCD Type	AUO P-CAP type: G121EAT02.0
F/W Version	RGD1252AM 190221R0V01
Main Board	2AAD453R138
Interface Option	HDMP / DP
Serial Number	RD190215012

Test Standard

Power On/Off Repetition Test Specification

Test Condition

Carry out this at the voltage rated in the applicable specification for 5,000 times for each.

Criteria

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

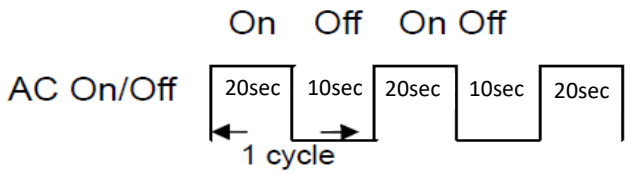
Power On/Off Repetition

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 20 seconds, shut down for 10 seconds.	Pass	
3. Check the power on/off switch for 96 hours or more.	Pass	
4. After the test, check if the display function and picture normal.	Pass	

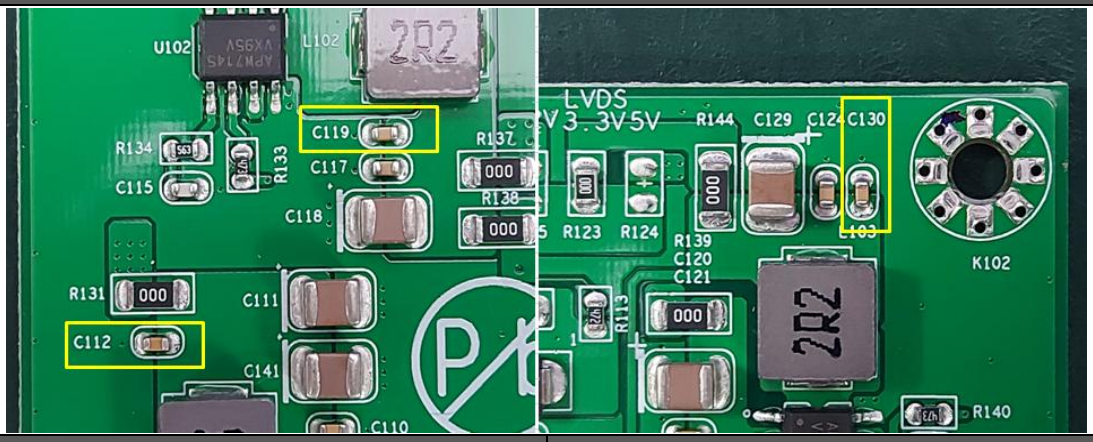
Test Condition

Applied Voltage	110V/60Hz	**Resolution**	1280x1024/60Hz(HDMI)	**Sample Condition**	Operation Normal
Test Pattern	Full White Pattern	**Test Duration**	48 hours or more	**Power On/Off Cycle**	Power On 20 sec/ Off 10 sec
Condition	Carry out this at the voltage rated in the applicable specification ±10%, for 5,000 times for each				

Power On/Off Test Process



Function Check		Before Test	After Test	Note
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	
Screen State Check	Check Not abnormal screen	Pass	Pass	
	Check Not black screen	Pass	Pass	
	Check Not noise screen	Pass	Pass	
	Check Not flicker screen	Pass	Pass	

PHOTO OF TEST	
Old CC (0.01,25V,X7R,K,0603) Change to New CC (0.01,50V,X7R,K,0603)	Note
	
Before Test	**Test Condition** / **Note**
	
Power On/Off Test Cycle (8,091times)	**After Test** / **Note**
	