Hi-Pot Test

Test Engineer	Jack Lu	Date	2026/7/16	Stage	Result
				MP	PASS

Test Propose

Test the insulation performance of electrical equipment to ensure that the product does not leak electricity and meets safety standards.

Evaluation Environment

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

Evaluation Equipment

Test Equipment	Chroma ELECTRICAL SAFETY ANALYZER 19032-P	N/A	N/A

Stage Description

Description Of Change	OLD AC SOCKETT(R-301SN(B298))&GND WIRE,YOMIN (3KH0007734A) Change to NEW AC SOCKE (AC SOCKET(R-301SN(B00)-Z &GND WIRE,YOMIN) (3KH0007734B)

Evaluation Unit Level

LCD Module	AUO G238HAN01.1
F/W Version	RGP2422AMI_CTD_221214R0V03
Power Board	2AADLGVR53W
ALS Daughter Board	2AAD600S002
Key Board	2AAD332R037
Front Sensor Board	2AAD333R03V
Led Driver Board	2AAD380R03Q
Main Board	2AAD094R038
Interface Signal	VGA/DVI/DP/Audio
Serial Number	D082610010002

Test Standard

Work Instructions / Standard Operation Procedure

Criteria

1. Check that the leakage current is within a safe range to ensure that insulation failure will not occur.
2. Record all the abnormality.
3. The offset current shall be 10 mA.

Hi-Pot Test

Test Procedure	Result	Note
1. Confirm connect the Hi-pot grounding connector and the Hi-pot AC connector to the monitor and the Hi-pot device.	Pass	
2. Apply AC 1800V across both ends of the power supply input and the ground.	Pass	
3. Confirm set the test time.	Pass	
4 Confirm press the test button to perform the withstand voltage test.	Pass	
5. After the test, check that test results meet specifications.	Pass	

Test Condition

Sample Condition	Non-Operation				

Test Spec

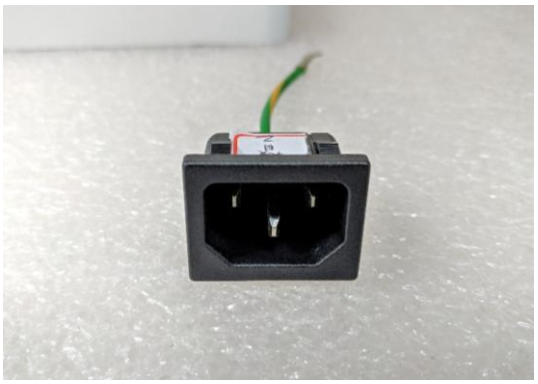
Ground Bond (GB)	Current: 25A	High Limit	100mΩ	Test Time	6 second
AC (Hi-Pot Test)	AC Hi-Pot: 1.8KV	High Limit	10mA	Test Time	2 second
Insulation Resistance (IR)	0.5KV	Low Limit	10MΩ	Test Time	3 second

Test Result

Mode	OUTUT	MEASURE	Result	Note
GB	25A	41.4mΩ	Pass	
AC	1.8KV	4.54mA	Pass	
IR	0.50KV	6.1GΩ	Pass	

PHOTO OF TEST

OLD AC SOCKET (R-301SN(00))&GND WIRE,YOMIN) (3KH00077340)	NEW AC SOCKET (R-301SN(B00)-Z &GND WIRE,YOMIN (3KH0007734B)	Note
		

PHOTO OF TEST		
OLD AC SOCKET (R-301SN(B298)) &GND WIRE,YOMIN (3KH0007734A)	NEW AC SOCKET	Note
		
Before Test	Before Test (1)	Note
		
Test Condition	Test Condition (1)	Note
		
After Test	After Test (1)	Note
		