

# TEST REPORT

No. : GZMR260400996805

Date : Apr 15, 2026

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CUSTOMER NAME: NORCOMP, A DIVISION OF EDAC (AMERICA) LTD  
ADDRESS: 3810 SHUTTERFLY RD., SUITE #200, CHARLOTTE, N.C. 28217, U.S.A.

Sample Name : 172-E50-103R001mated to 172-E50-203R001  
Material No. : 172-E50-103R001 / 172-E50-203R001  
Model No. : 172-E50-103R001 / 172-E50-203R001  
Manufacturer : NORCOMP

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

SGS Ref. No. : GZME2603000099PC05\_EN,GZME2603000099PC  
Date of Receipt : Apr 01, 2026  
Testing Start Date : Apr 01, 2026  
Testing End Date : Apr 15, 2026  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services Co., Ltd. Guangzhou Branch



Lily Lei  
Authorized signatory



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## Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Temperature Rise Test	IEC 60512-5-1:2002 Test 5a	See Result	Pass

Note: Pass : Meet the requirements;  
 Fail : Does not meet the requirements;  
 / : Not Apply to the judgment.



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1. Test Item: Temperature Rise Test

Sample Description: E-Connector

Test Method: IEC 60512-5-1:2002 Test 5a

Test Condition:

Test current: DC 7.5 A

Test temperature: 80°C, 90°C, 100°C, 110°C, 125°C

Lab Environmental Condition: 15 °C - 35 °C, 25 %RH - 75 %RH

Test Result:

Sample E

Test temperature	Maintain temperature, °C		Ambient temperature, °C	Temperature Rise, °C		Requirement in IEC 60512-5-1:2022 Section 4	Conclusion
	Monitoring Point 1	Monitoring Point 2		Monitoring Point 1	Monitoring Point 2		
80°C	83.4	83.5	80.1	3.3	3.4	Temperature rise ≤ 30° C	Pass
90°C	93.7	93.7	90.2	3.5	3.5		Pass
100°C	103.8	103.8	100.4	3.4	3.4		Pass
110°C	114.1	114.2	110.7	3.4	3.5		Pass
125°C	128.9	129.2	124.8	4.1	4.4		Pass
Appearance		No melting observed on the rubber core at the welding site.					

Note: Temperature Rise, °C= Maintain temperature- Ambient temperature



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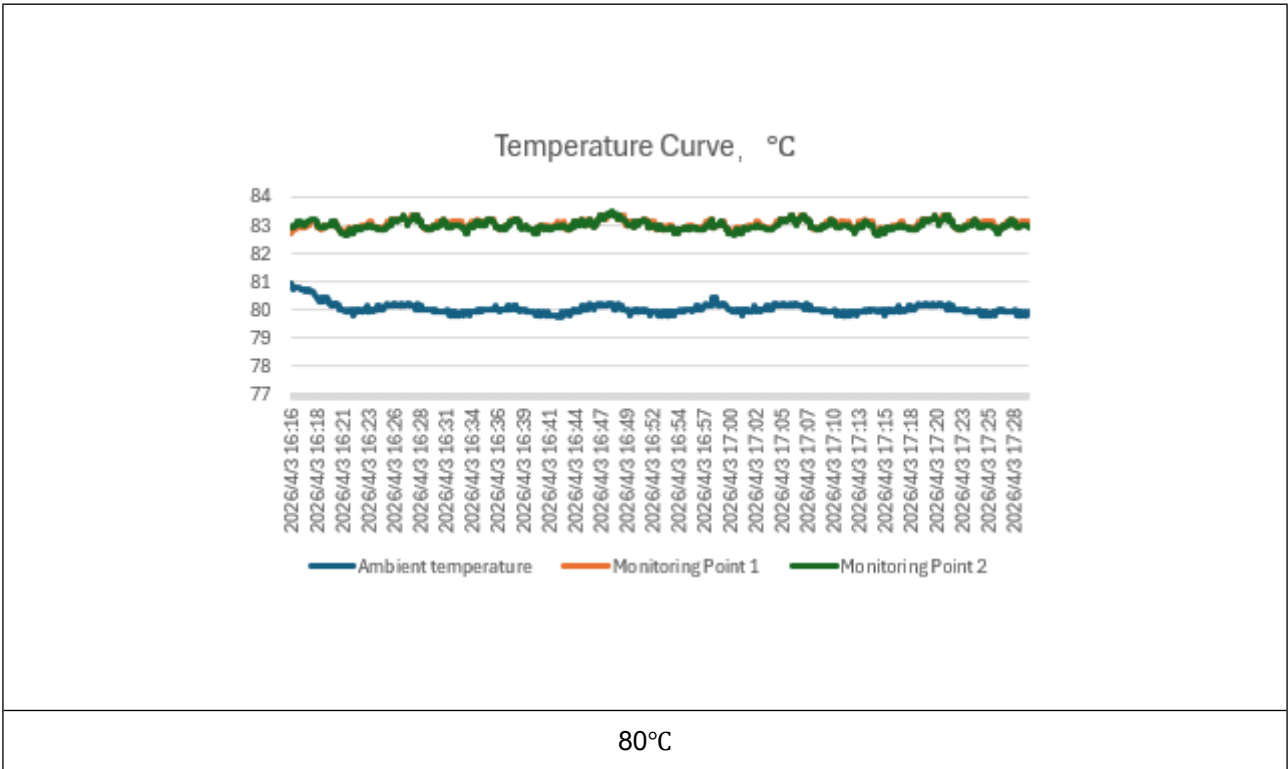
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Curve:

Sample E



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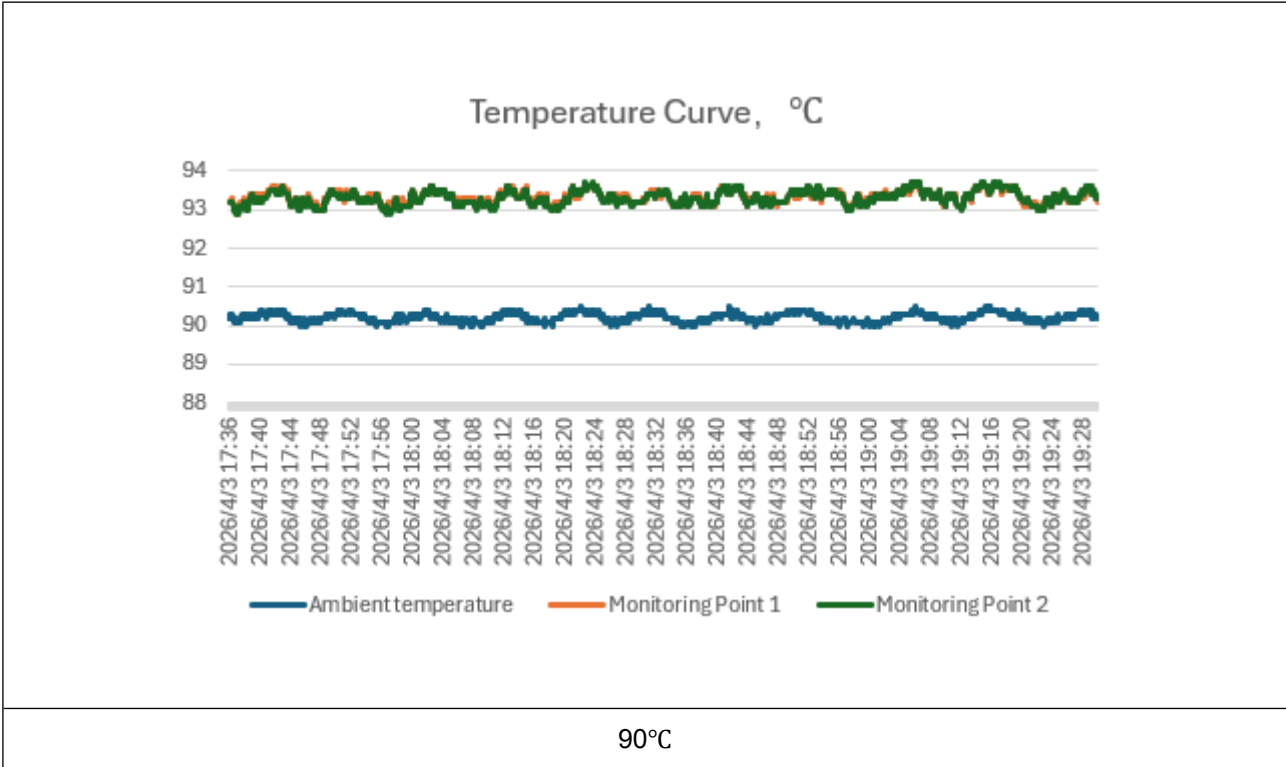
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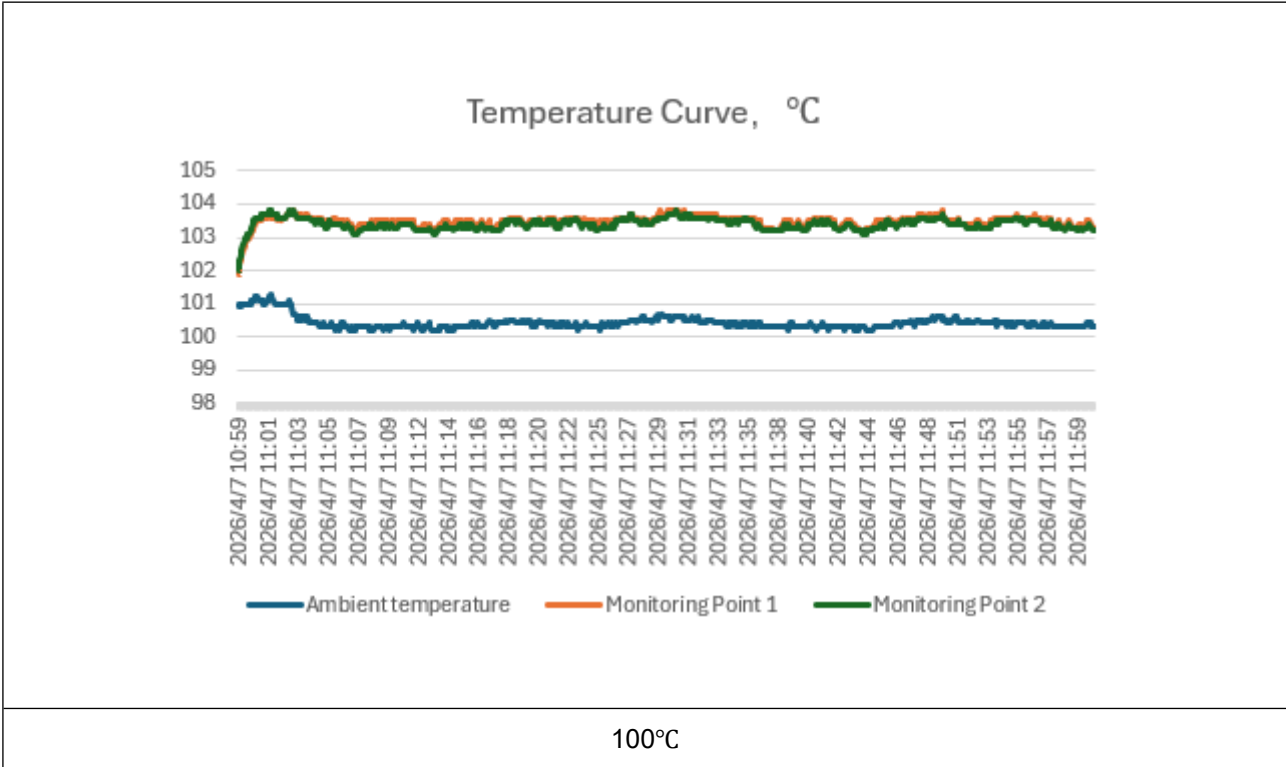
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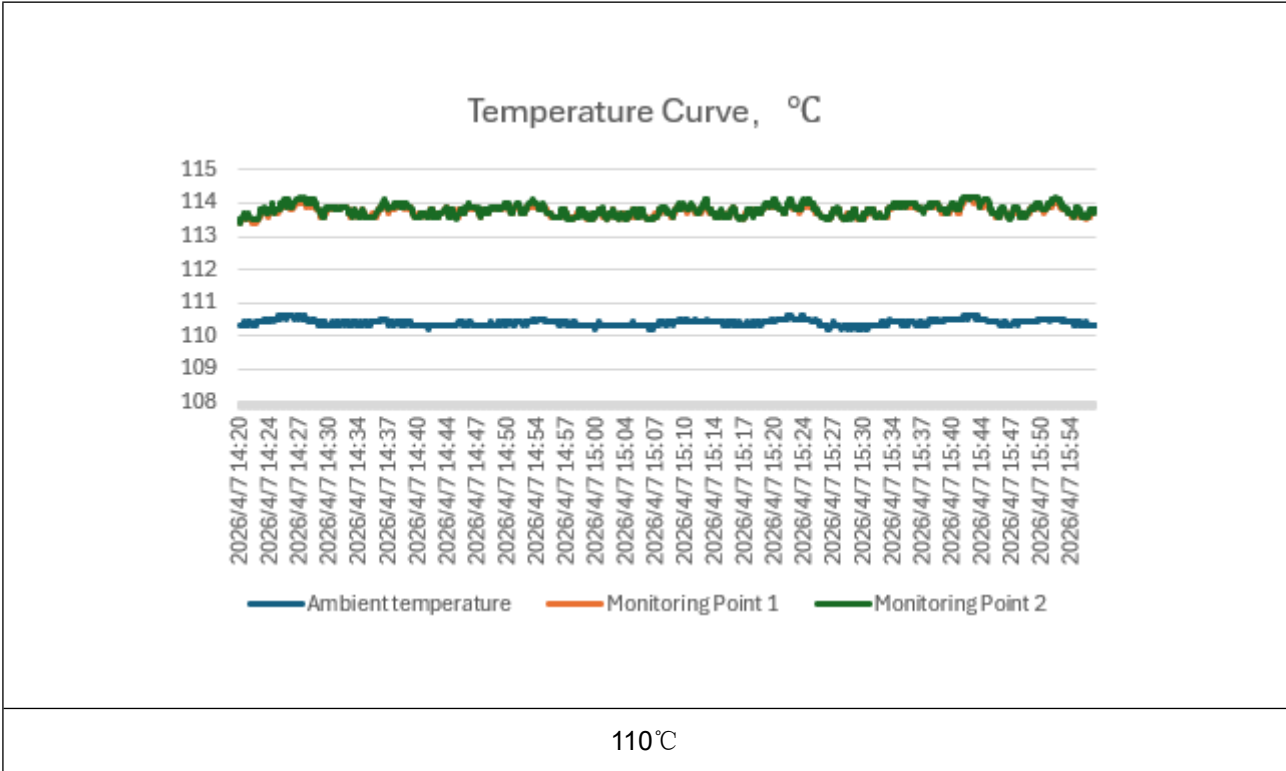
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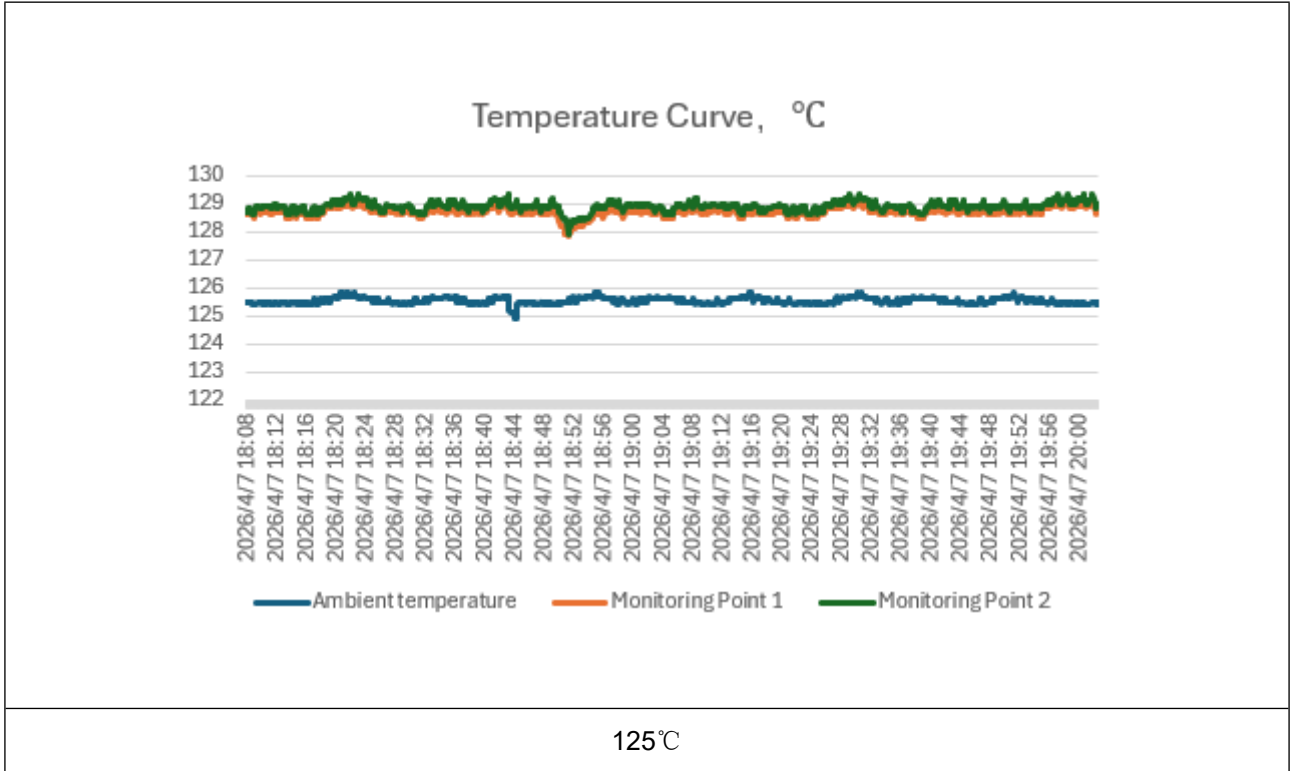
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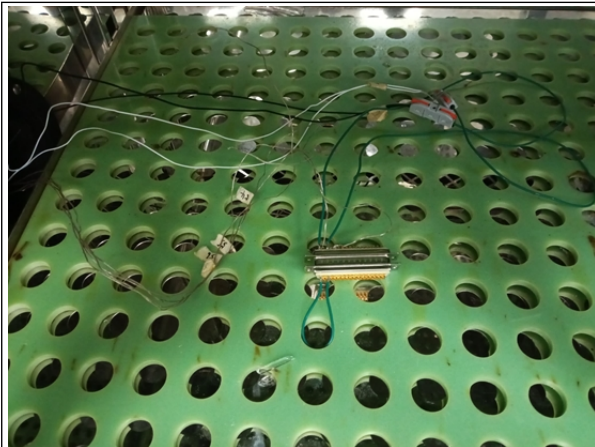
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Test Photo:



During Test-Sample E



Before Test-Sample E



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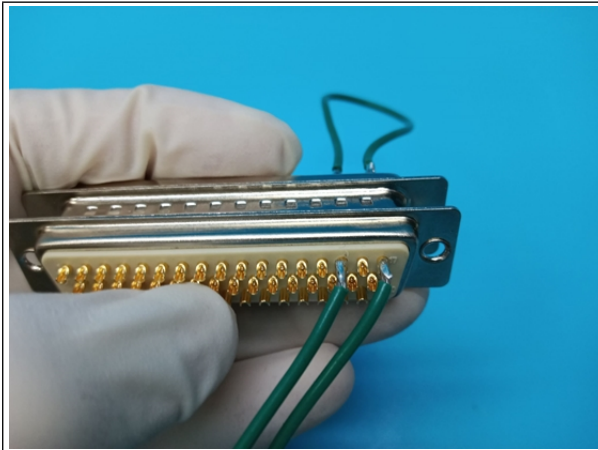
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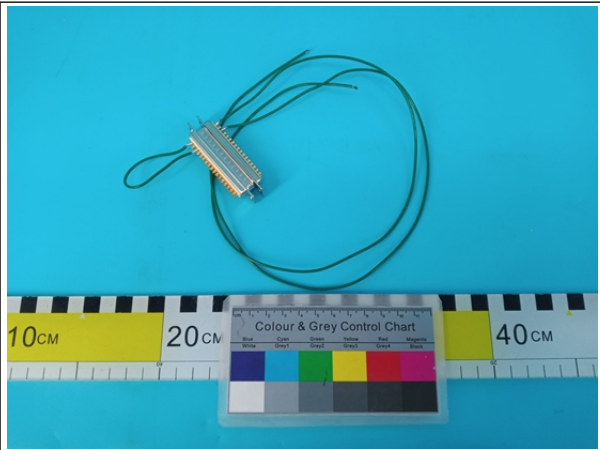
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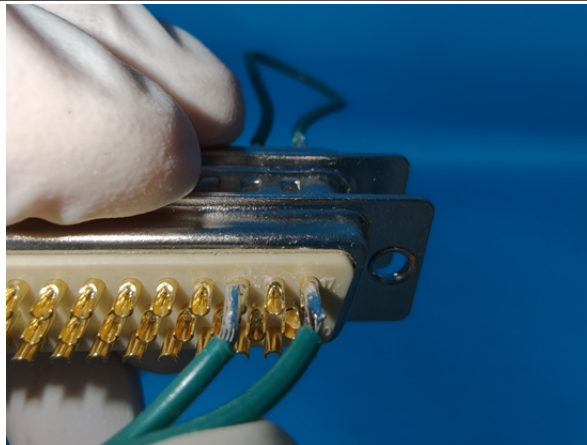
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Before Test-Sample E-Local part



After Test-Sample E



After Test-Sample E-Local part



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Guangzhou Branch Center of Reliability Laboratory

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Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Multi-Thermocouple Temperature Recorder	NAPU1130T-32	GZMR-RL-E034-05	2026-03-25	2027-03-24
Temperature Rapid Change Chamber	MS-KSWB-408L	GZMR-RL-E199	2026-02-03	2027-02-02
Multichannel DC Power Supply	N39420-60-10	GZMR-RL-E181-02	2026-03-05	2027-03-04

Appendix information:

\*Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

\*The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc. and just for client internal reference.

\*\*\*\*\* End of report\*\*\*\*\*



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