RELIABILITY TEST REPORT

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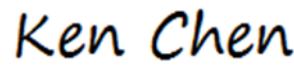
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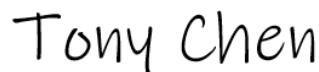
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實驗室管理公正性聲明 Impartiality

In order to maintain the impartiality of the laboratory and protect the independence of testing activities, the laboratory statement:

為維護實驗室的公正性，保護檢測活動的獨立性，本實驗室聲明：

1. Comply with the requirements of national laws, regulations and accreditation agencies, and implement analytical testing services.
   遵守國家法律、法規和認可機構的要求，執行分析檢測服務；

2. Adhere to independent detection, independent judgment, maintain and develop recognized analytical and testing capabilities.
   堅持獨立檢測、獨立判斷，保持和發展認可的分析檢測能力；

3. We should adhere to the principle of fair, impartial and equal treatment for all customers
   堅持公平、公正、對所有客戶一視同仁的分析檢測服務原則；

4. Do not engage in research and development, production, sales and other activities related to customer inspection products.
   不從事與客戶送檢產品相關的研發、生產、銷售等活動；

5. Do not accept investment sponsorship and agency requirements that violate the impartiality of analysis and testing, and do not intervene in market competition and conflict of interests among customers.
   不接受有違分析檢測公正性的投資贊助和代理要求，不介入客戶之間的市場競爭和利益衝突；

6. To safeguard the rights of customers and protect their ownership and patent rights from infringement.
   維護客戶的權利，保護客戶的所有權和專利權不受侵犯。

保護客戶機密訊息和所有權的承諾 Confidentiality

The laboratory promises to protect the confidential information and ownership of its customers. All documents related to analytical testing, such as analytical testing methods, technical requirements and graphic documents, instructions, commission contracts and agreements provided by customers, as well as samples and test results, are included in the scope of laboratory confidentiality, and the integrity of customer ownership is protected. In the process of proficiency verification and subcontracting testing, the testing data and results of participating laboratories and customers are also kept confidential.

實驗室承諾保護客戶的機密訊息和所有權。客戶提供的分析檢測方法、技術要求和圖面文件、說明書以及委託合約和協議等與分析檢測有關的所有文件及受檢樣品、檢測結果均列入實驗室保密範疇，以及保護客戶所有權的完整性。在主持能力驗證和分包檢測時，也為參加實驗室及客戶的檢測數據及結果保密。

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MA-tek Milestone , Accreditation & Certificates

MA-tek is a company with ISO 9001, IECQ 17025 and ISO 27001 certifications and is the only lab in Taiwan awarded the Industrial Excellence Award by the IDB (2008). MA-tek's method of dimension measurement of analytical data can be traced back to the NIST Standard (National Institute of Standard and Technology).

- 2004　Certified by ISO 9001 and IECQ 17025.
- 2006　Elected as the Distinguished Enterprise by the Industry Development Bureau (IDB).
- 2006　Awarded #32 in the Taiwan Top 50 and #157 in the Asia Top 500 Fastest Growing Companies by Deloitte.
- 2008　Awarded the best performance company of Industrial Excellence Award by the Economy Ministry's Industry Development Bureau (IDB).
- 2009　Listed on the Taiwan OTC market (3587)
- 2012　Awarded #474 in the Asia Top 500 Fastest Growing Companies by Deloitte.
- 2013　A+ companies in Taiwan by Global Views Monthly Magazine.
- 2015　Certified by ISO 27001.

ISO/IEC 27001	IECQ 17025	ISO 9001

Contents

1 Background Information

1.1 Client Information

Client: MIYO Technology Co. LTD.

User Name: Leo Lee

TEL: 02-86866888 #313

1.2 Testing Inquiry

Model Name	Test Item	Quantity
H_CPU	Temperature Cycling Test	2ea
H_PCIE_R1A		2ea
H_DI_ABCD/H_DI_EFGH		2ea

1.3 Pass/Fail Criteria

No any defect was found by visual inspection after test, functional test will be conducted by client.

2   Testing Summary

Test	Condition	Model Name	Judgment
Temperature Cycling Test	-40℃~65℃ Dwell Time: 30mins Ramp Time: 1℃/min Duration: 18cycles	H_CPU	PASS
		H_PCIE_R1A	PASS
		H_DI_ABCD/H_DI_EFGH	PASS

3 Testing Items, Conditions, and Raw Data

3.1 Temperature Cycling Test

3.1.1 Test System

Brand/Model No.	Calibration Date
ESPEC/ TSA-73EH-W-2	2022/3/16 ~ 2023/3/15

3.1.2 Test Method and Condition

Specification：The test based on Customer's specification.

Environmental Temperature / Humidity：25°C±5°C / 55%R.H±10%

Test Condition：

| Test Item	Model Name	Condition	
Temperature Cycling Test	H_CPU H_PCIE_R1A H_DI_ABCD/H_DI_EFGH	Temperature	-40℃~65℃
		Dwell	30 mins
		Ramp Time	1℃/min
		Duration	18 Cycles

3.1.3 Test Results
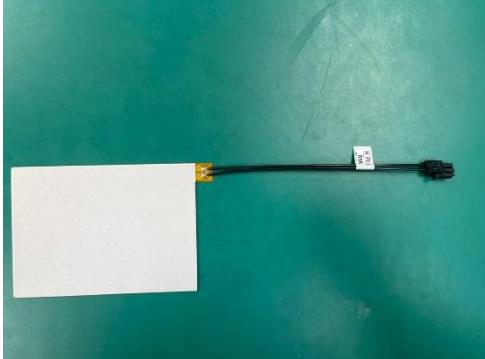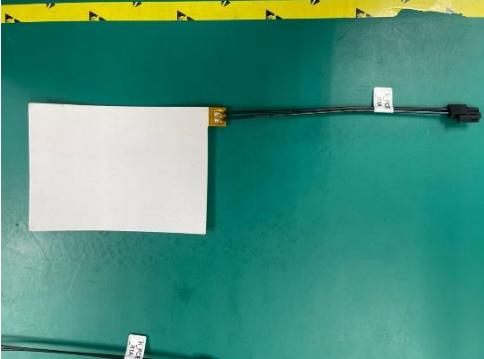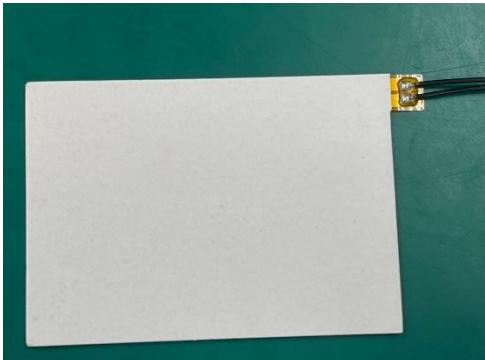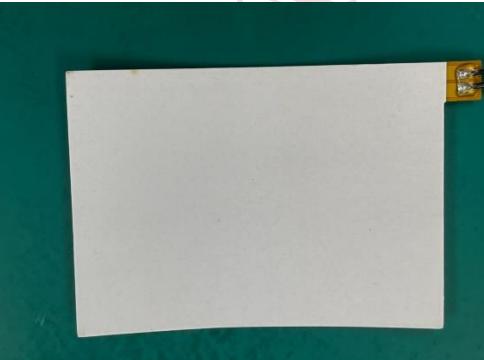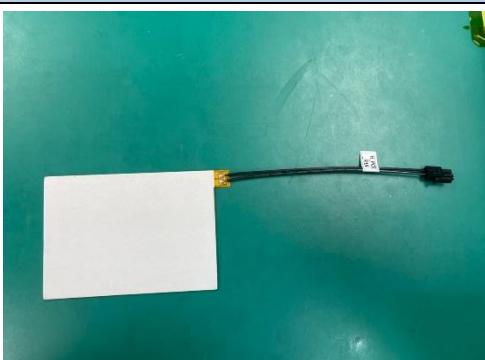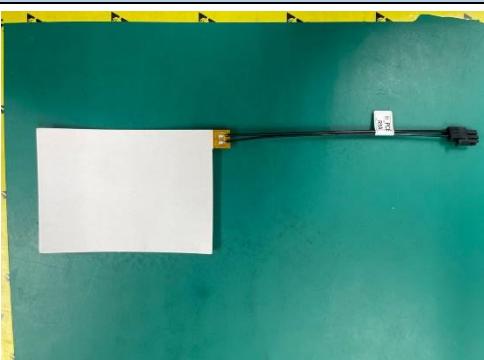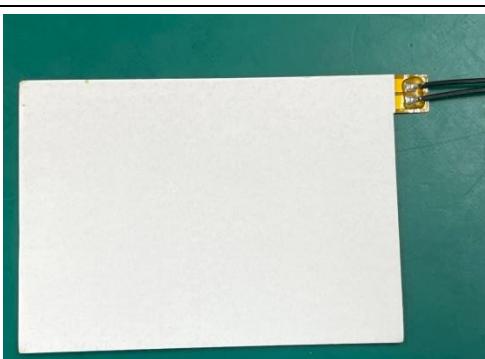
After the test, no any defect was found by visual inspection and the sample functional tests were conducted by the Client and functional tests were qualified.

3.1.4 Picture of Temperature Cycling Test

Specimen Setup for Temperature Cycling Test
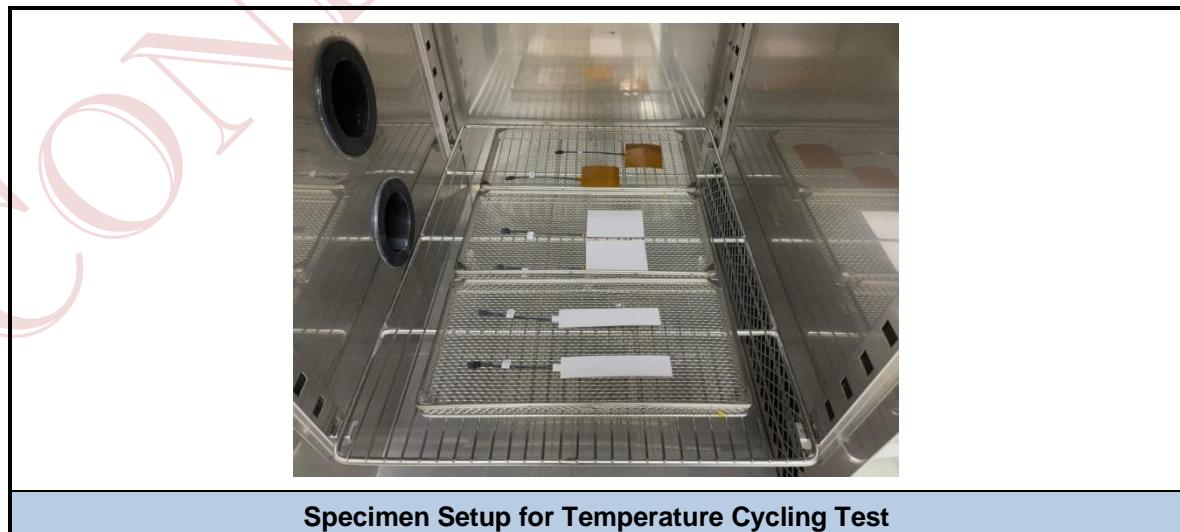
3.1.5 Picture of After Test

Before test H_CPU (1)	**After test H_CPU (1)**
Before test H_CPU (2)	**After test H_CPU (2)**

Before test H_PCIE_R1A (1)	**After test H_PCIE_R1A (1)**
Before test H_PCIE_R1A (2)	**After test H_PCIE_R1A (2)**

Before test H_CPU (1)	**After test H_CPU (1)**
Before test H_CPU (2)	**After test H_CPU (2)**