



Test Report

Sample Name: _____ The integrated circuit _____

Sample Type: _____ AT29C512-70JU _____

Manufacturer: _____ ATMEL _____

Customer: _____ _____

Chuangxin Online Test Center Laboratory

February 29, 2024

Test Report

Customer:

Customer Address: N/A

Sample Name: The integrated circuit

Sample Type: AT29C512-70JU

Manufacturer: ATMEL

Date Code: N/A

Package Type: PLCC-32

Sample Amount: 1 PCS

Check Amount: 1 PCS

Arrived Date: 02/28/2024

Testing Date: 02/29/2024/09: 00 - 02/29/2024/10: 00

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Issued by 创芯在线

国际检测中心

(Stamp)



Tested by _____

Inspected by _____

Approved by _____

Test Item

External visual inspection

Pin correlation test

Programming test

Solderability analysis

Radiography(X-ray)

XRF test

Key functional test(KFT)

Baking

Tape and reel

Top permanency test

Internal visual inspection

SAT test

Cross section

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Methods & Equipment

1.1 Test standard:

- **MIL-STD-883L-2019 2003.13**

1.2 Optical microscope:

- Equipment spec:

Optical microscope: SEZ-260 X7-X45(Due date: 7/18/2024)

1.3 Tin melting furnace:

- Equipment spec:

Tin melting furnace: BK-207(Due date: 7/18/2024)

Flux: No. 2 standard active rosin flux

1.4 Product datasheet:

- 《ATMEL AT29C512-70JU》 :

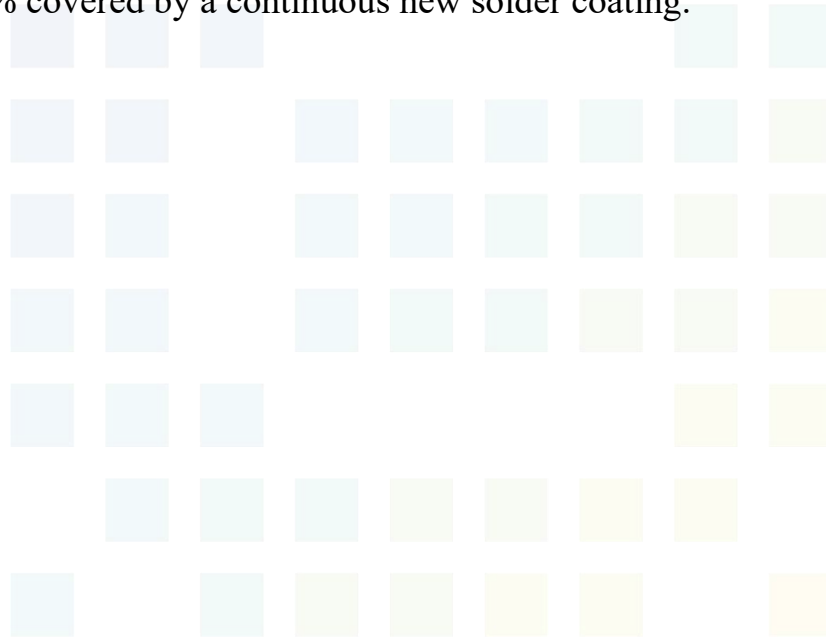
https://www.findic.com/doc/browser/jem2p4nPz?doc_id=59597645#locale=zh-CN

Analysis Summary

Solderability analysis:

Applicable standard: **MIL-STD-883L-2019 2003.13**

Solderability tested were performed on 1 PCS sample using the dip and look methods. 1 PCS pass solderability test. The dipped portion of the terminations is more than 95% covered by a continuous new solder coating.



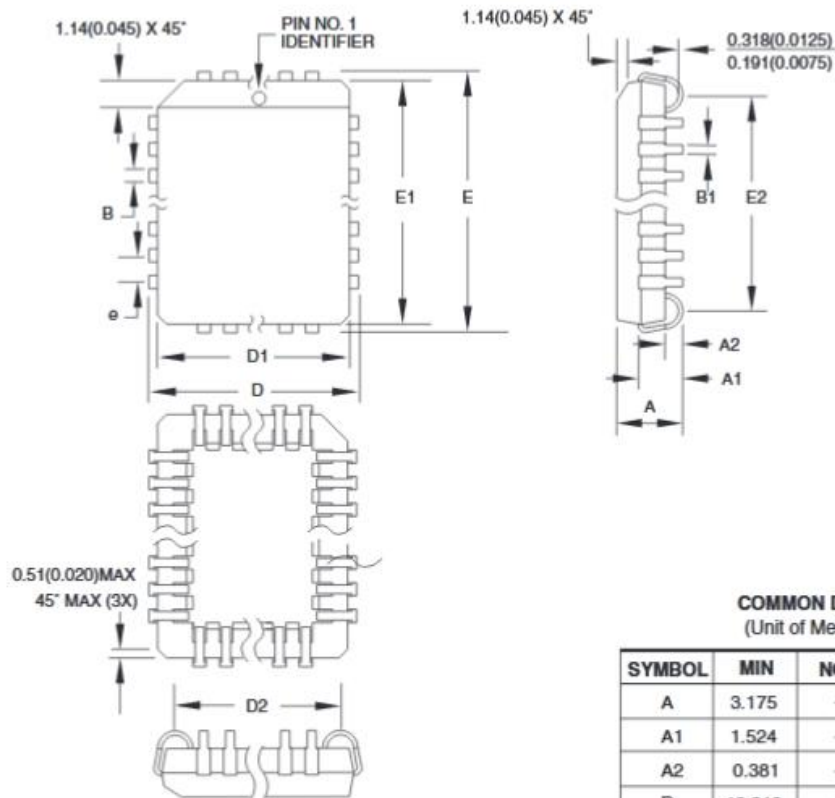
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1. Device description:

- Fast Read Access Time - 70 ns
- 5-volt Only Reprogramming
- Internal Program Control and Timer
- Hardware and Software Data Protection

2. Package dimension:



- Notes:
1. This package conforms to JEDEC reference MS-016, Variation AE.
 2. Dimensions D1 and E1 do not include mold protrusion. Allowable protrusion is .010*(0.254 mm) per side. Dimension D1 and E1 include mold mismatch and are measured at the extreme material condition at the upper or lower parting line.
 3. Lead coplanarity is 0.004* (0.102 mm) maximum.

COMMON DIMENSIONS
(Unit of Measure = mm)

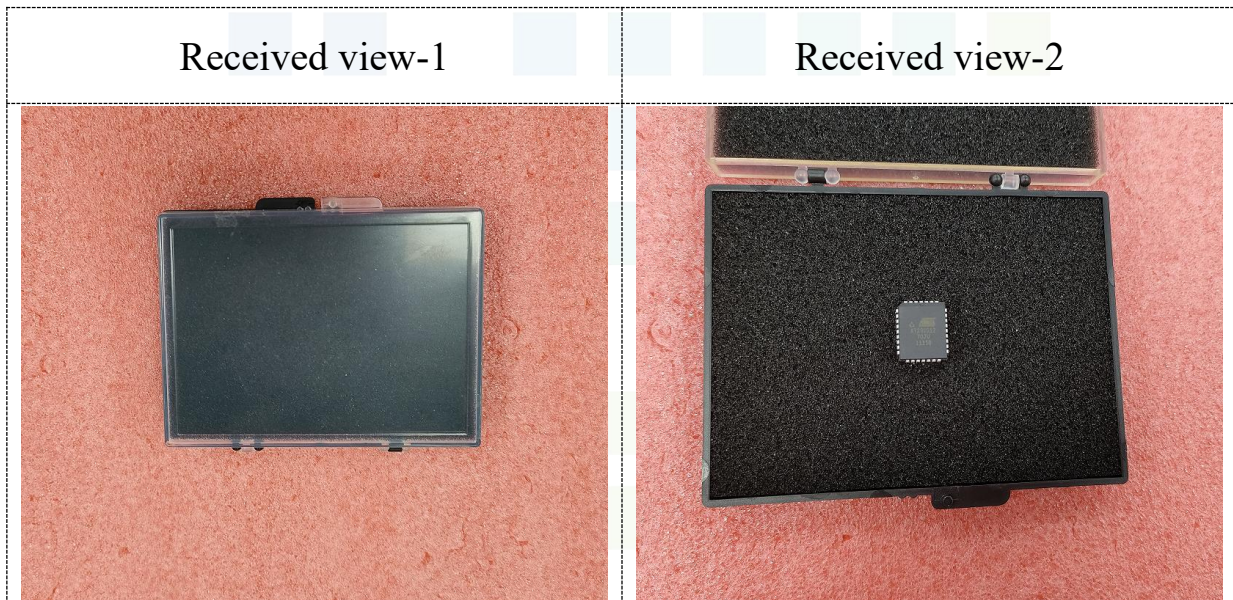
SYMBOL	MIN	NOM	MAX	NOTE
A	3.175	-	3.556	
A1	1.524	-	2.413	
A2	0.381	-	-	
D	12.319	-	12.573	
D1	11.354	-	11.506	Note 2
D2	9.906	-	10.922	
E	14.859	-	15.113	
E1	13.894	-	14.046	Note 2
E2	12.471	-	13.487	
B	0.660	-	0.813	
B1	0.330	-	0.533	
e	1.270 TYP			

10/04/01

3. Receiving inspection:

Gross Weight	41.50 g	Parts Total	1 PCS
Number of Boxes	N/A	Full Label	N/A
Package Type	Bulk	Moisture Protection	N/A
MSL	N/A	ESD Protection	N/A

Note: All devices contain 1 PCS sample.

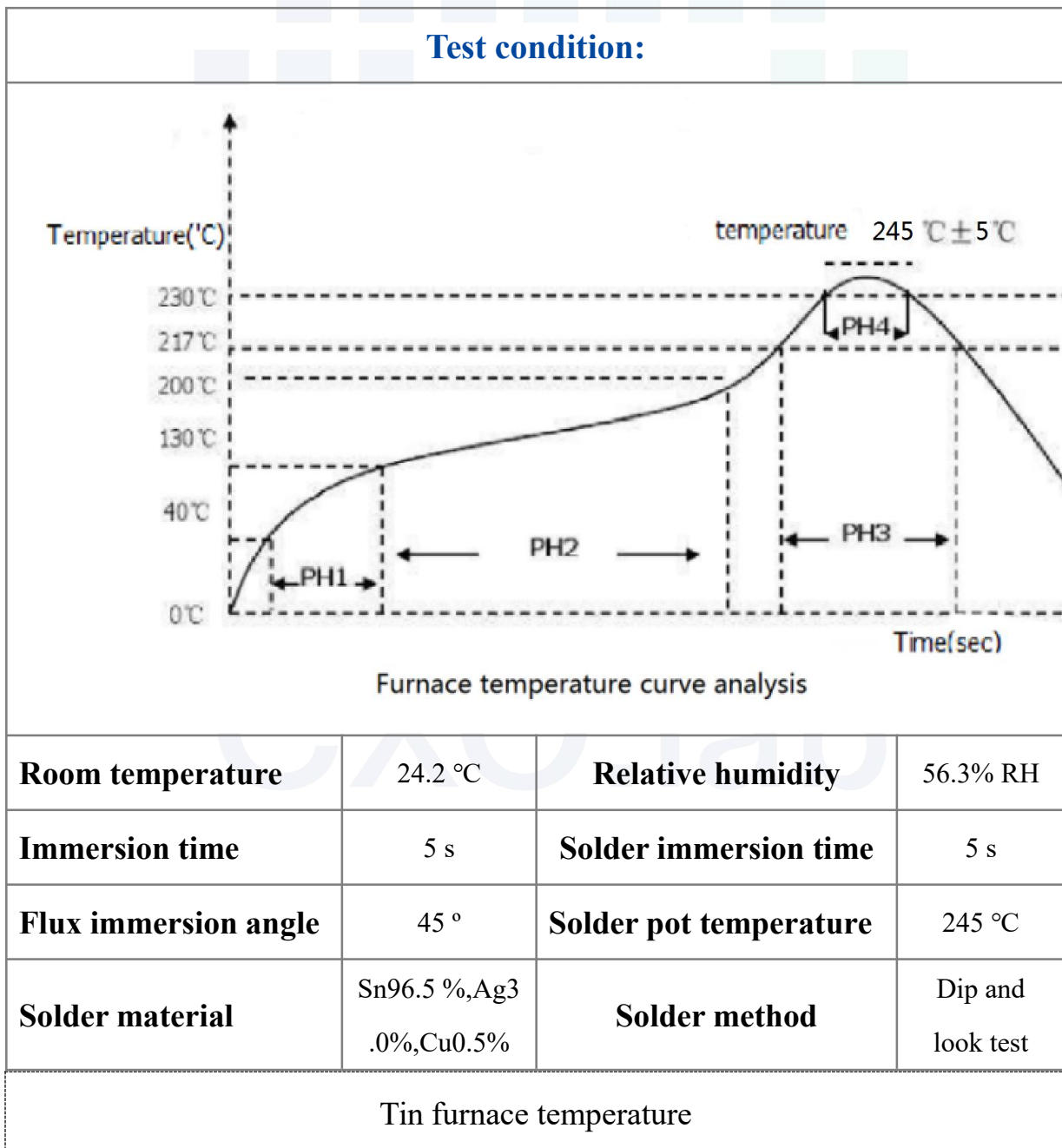


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4. Solderability analysis:

Applicable standard: **MIL-STD-883L-2019 2003.13**

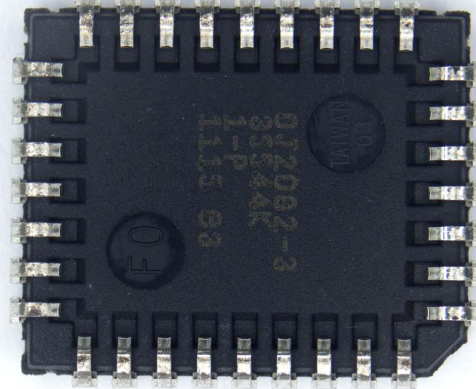
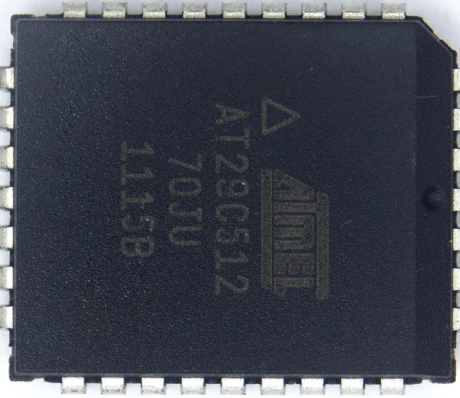
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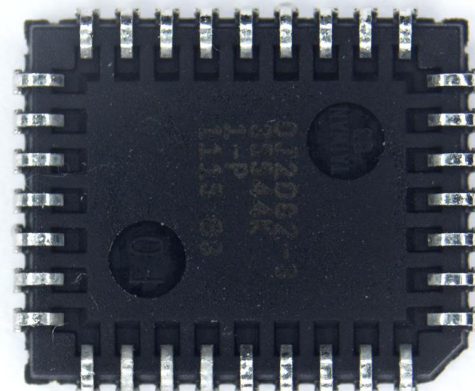
Before top view

Before bottom view



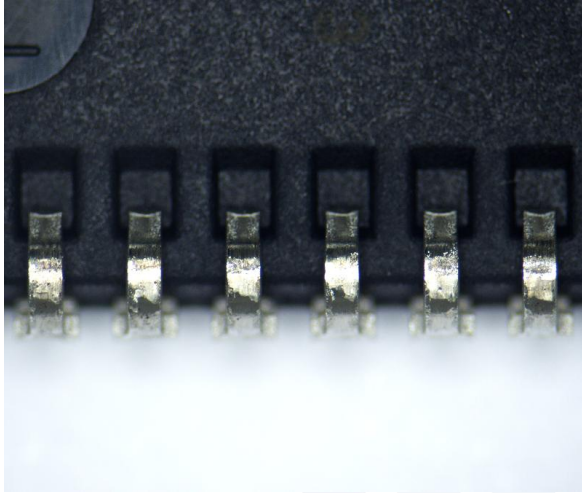
After top view

After bottom view

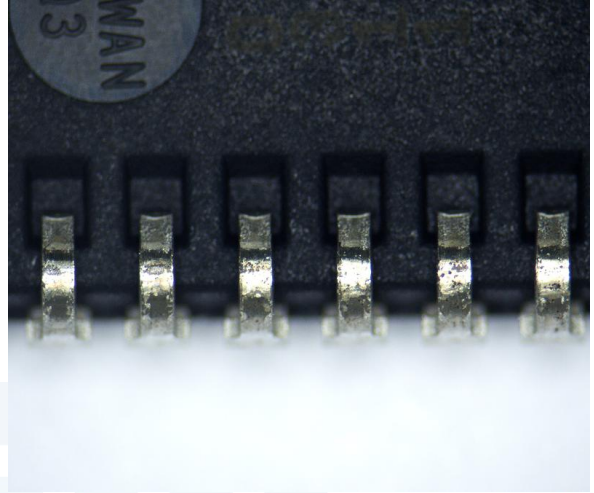


Before leads-1

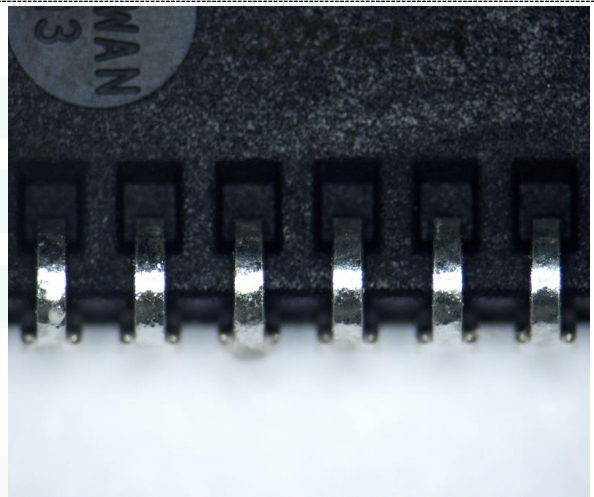
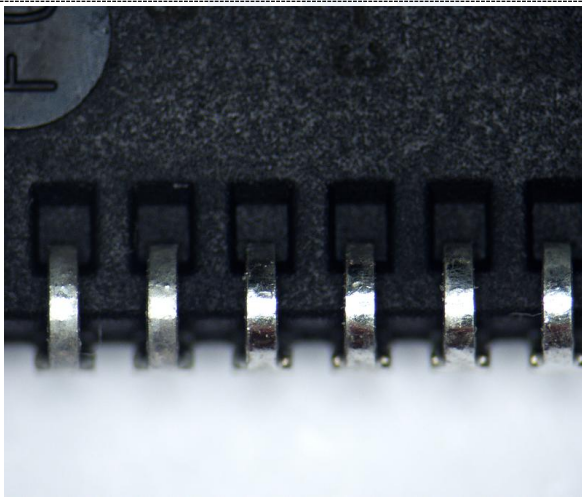
Before leads-2



After leads-1



After leads-2



-End of Report-

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Disclaimer

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2. The copy of the test report is invalid without the stamp of “company seal” and “cross-page seal”.
3. The test report is invalid without the signatures of operator, supervisor and manager.
4. A modified or partial copy of the test report is invalid.
5. When there is disagreement with the test report, please submit the issue to us within 15 days from the date of receipt. Overdue information will not be accepted.
6. The test report is only reflective of the test results of testing samples, not of the quality of batch products.
7. The * indicates subcontract test data.



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