



## Chuangxin Online Test Center Laboratory

Add: F/r 401 Building A, Ying Da Feng industrial No,393,Jihua Rd.LongGang  
Dis. Shenzhen China  
Tel: 0755-83762185      Email: engineer@iclab-cn.com



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# Project Inspection Report

Company : N/A  
Address : N/A  
Sample Name : SSD2533QN4A  
Manufacture : SOLOMON  
Date Code : U304AU  
Package Type : QFN-68  
Sample Number : 2600 PCS  
Check Number : 4 PCS  
Date of Received : 12/15/2020  
Date of Tested : 14:00/12/16/2020 ~ 17:00/12/16/2020

### WE HEREBY CERTIFY THAT:

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

Inspected by Engineer  
*Wing*

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Reviewed by Project Manager  
*Lucy*

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### Note:

1. This report will be invalid if reproduced in whole or in part.
2. This report refers only to the specimen(s) submitted to test, and is invalid if used separately.
3. This report is only valid with the examination seal and signature of this institute.
4. The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.
5. This report is only responsible for the samples tested.



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### Items test

- External visual inspection
- Pin Correlation Test
- Programming test
- Solder ability Analysis
- Radiography (X-ray)
- ROHS test
- Key Functional Testing (KFT)
- Baking
- Tape and Reel
- Internal visual inspection

### Methods & Equipment

#### 1.1 Applicable Standard

- MIL-STD-883K-2017 2037

#### 1.2 Optical Microscope

- Equipment Spec:  
Top view: FINIAL Hi-scope System SEZ-260: X7 ~ X45  
FJ-3A: X50 ~ X500

#### 1.3 Radiography (X-ray)

- Equipment Spec:  
Hardware: XiDAT Dage XD6500  
Software: 11.56-DD6058  
Die size and feature measurement capability  
Magnification in excess of 2800x  
Resolution below 2um  
Energy: 70KV/34uA

#### 1.4 Testing Environment

- Ambient Temperature: 25±5°C
- Relative Humidity: 45%-65% RH

#### 1.5 Testing Base

- [SOLOMON SSD2533QN4A]

<https://wenku.baidu.com/view/32cec3e3524de518964b7d13.html?fr=search-1-income3>



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## Analysis Summary

### Radiography (X-ray):

Applicable Standard: MIL-STD-883K-2017 2037

#### Conclusion Description:

X-ray inspection on 4 PCS samples marked with lot code U304AU (#1-#4).  
No structure or bonding wire abnormal was found.

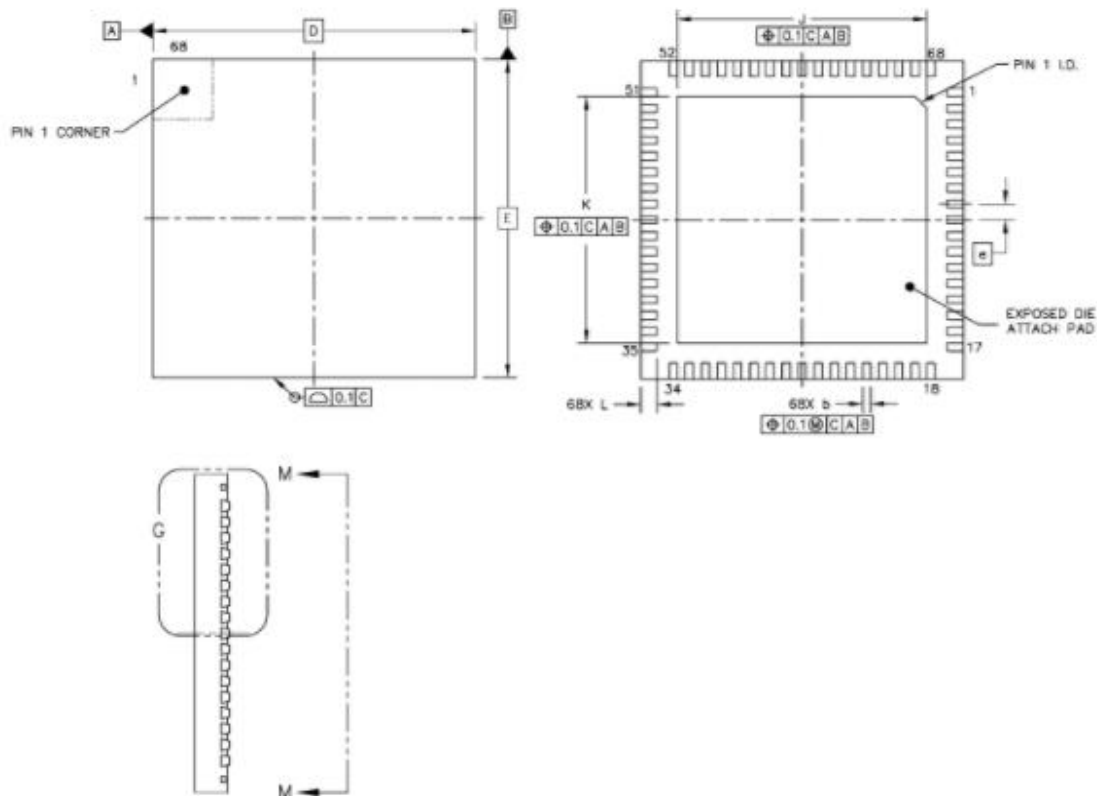


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# 1. Device Description:

SSD2533 is an all in one capacitive touch panel driver that integrated the power circuits, driving and sensing circuits into a single MCU based chip. It can drive capacitive type touch panel with up to 23 driving and 41 sensing lines.

# 2. Package Dimensions:



		SYMBOL	MIN	NOM	MAX
TOTAL THICKNESS		A	0.8	0.85	0.9
STAND OFF		A1	0	0.035	0.05
MOLD THICKNESS		A2	---	0.65	0.67
L/F THICKNESS		A3	0.203 REF		
LEAD WIDTH		b	0.15	0.2	0.25
BODY SIZE	X	D	8 BSC		
	Y	E	8 BSC		
LEAD PITCH		e	0.4 BSC		
EP SIZE	X	J	6.1	6.2	6.3
	Y	K	6.1	6.2	6.3
LEAD LENGTH		L	0.35	0.4	0.45
PACKAGE EDGE TOLERANCE		aaa	0.1		
MOLD FLATNESS		bbb	0.1		
COPLANARITY ccc			0.08		
LEAD OFFSET		ddd	0.1		
EXPOSED PAD OFFSET		eee	0.1		



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## 3. Receiving Inspection:

Gross Weight	2354 g	Parts Total	2600 PCS
Number Of Boxes	1	Full Label	Acceptable
Package type	Tray	Moisture protection	Acceptable
MSL	N/A	ESD protection	Acceptable

Note: All devices contain the same lot code U304AU.

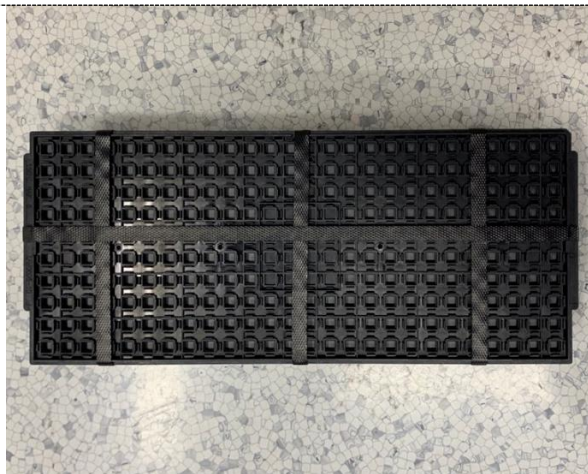
Received View-1



Received View-2



Received View-3



Received View-4





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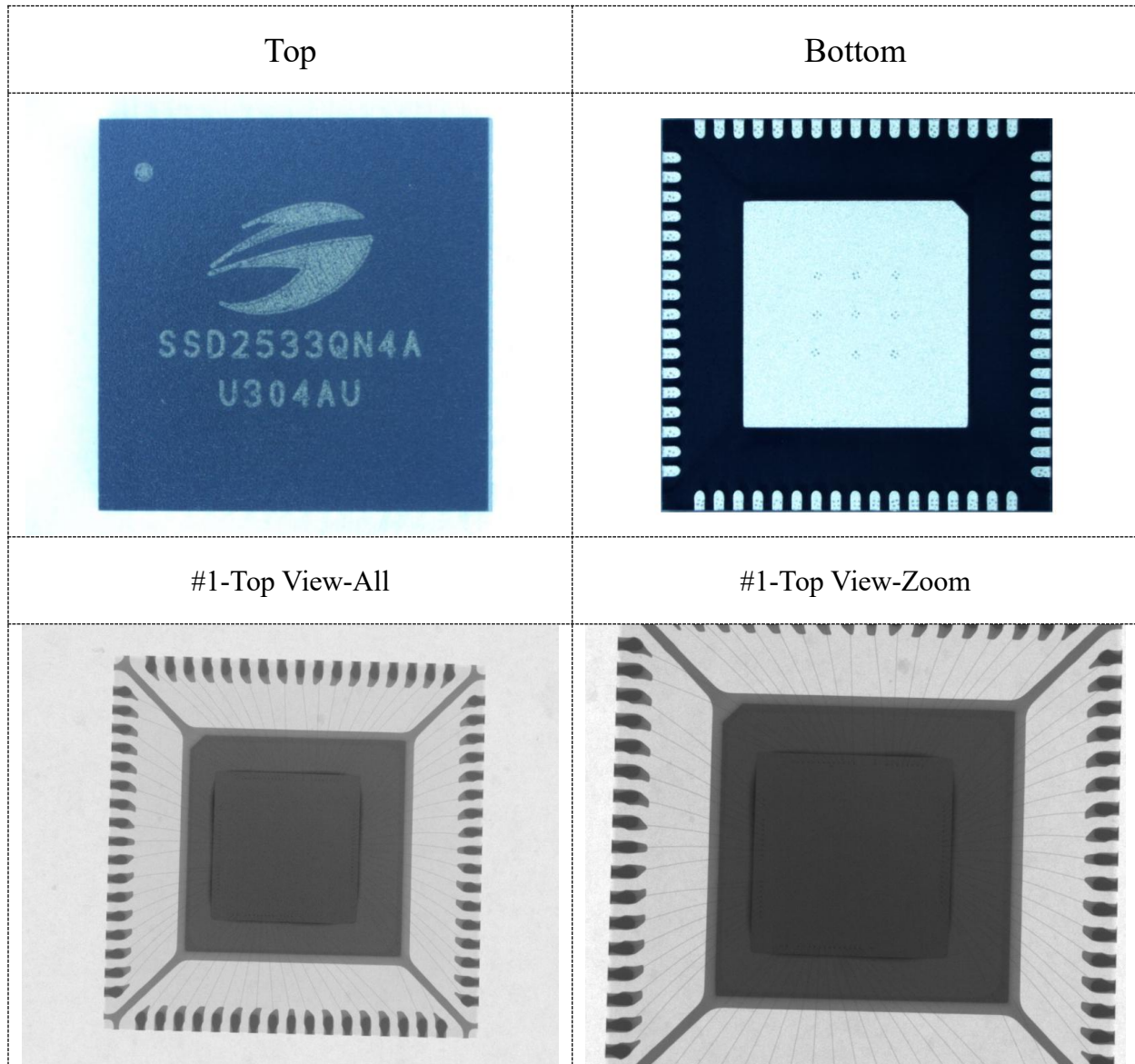
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### 4.Radiography (X-ray):

Applicable Standard: MIL-STD-883K-2017 2037

#### Conclusion Description:

X-ray inspection on 4 PCS samples marked with lot code U304AU (#1-#4).  
No structure or bonding wire abnormal was found.





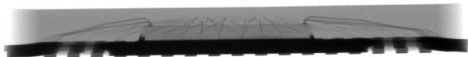
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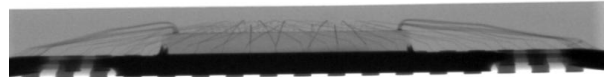


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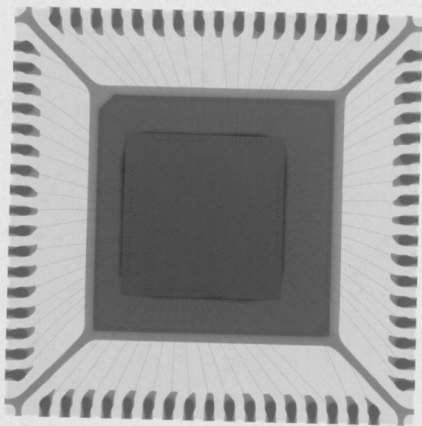
#1-Side View-All



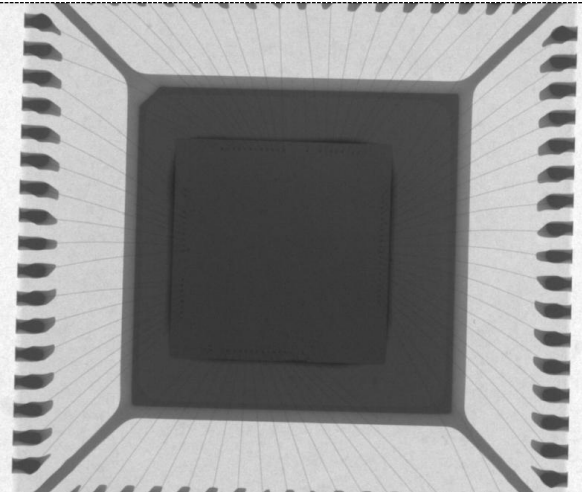
#1-Side View-Zoom



#2-Top View-All



#2-Top View-Zoom



#2-Side View-All



#2-Side View-Zoom





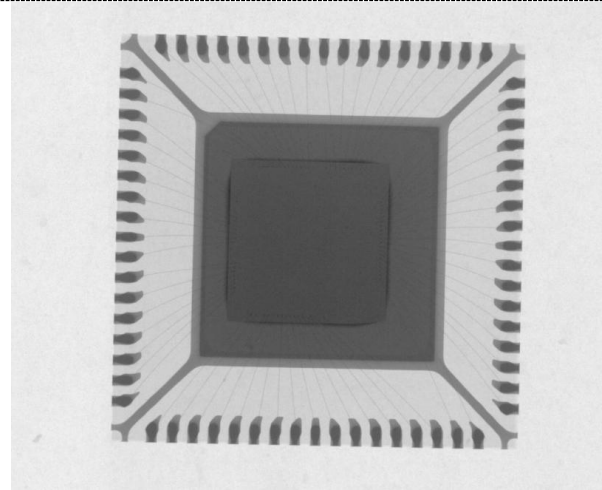
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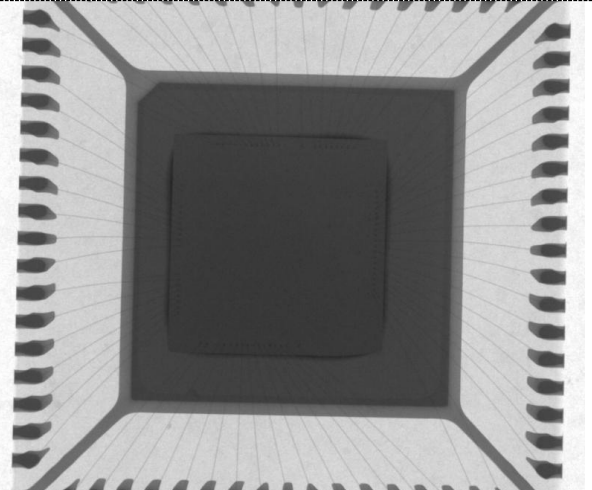


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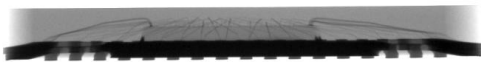
#3-Top View-All



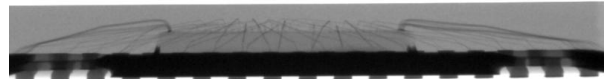
#3-Top View-Zoom



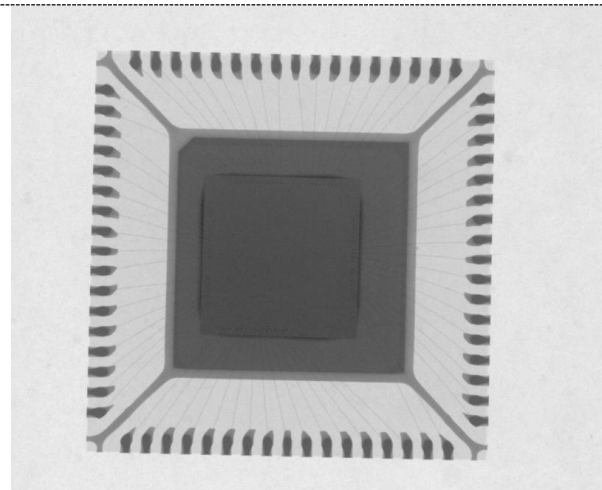
#3-Side View-All



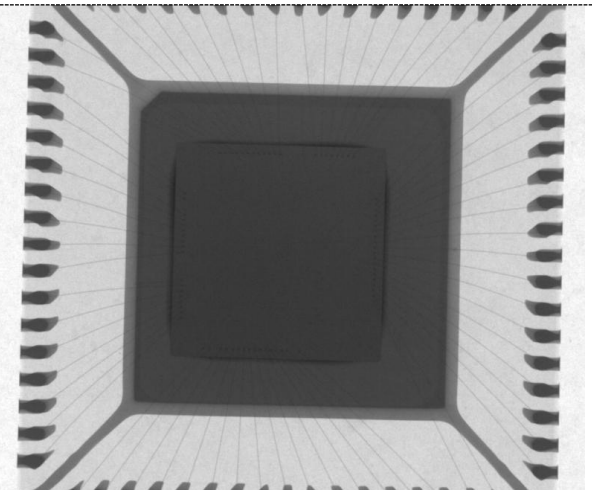
#3-Side View-Zoom



#4-Top View-All



#4-Top View-Zoom







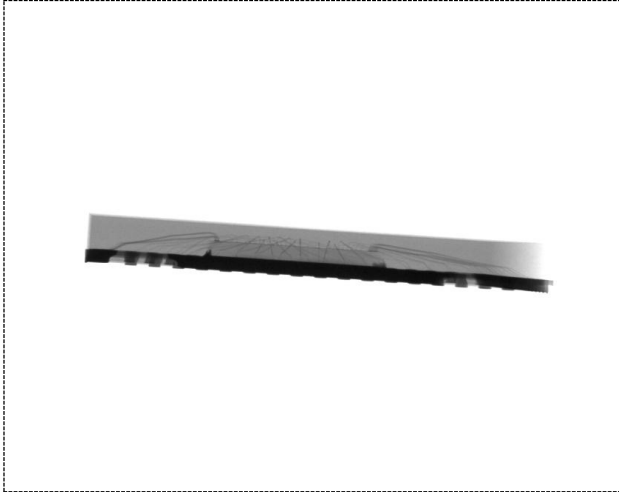
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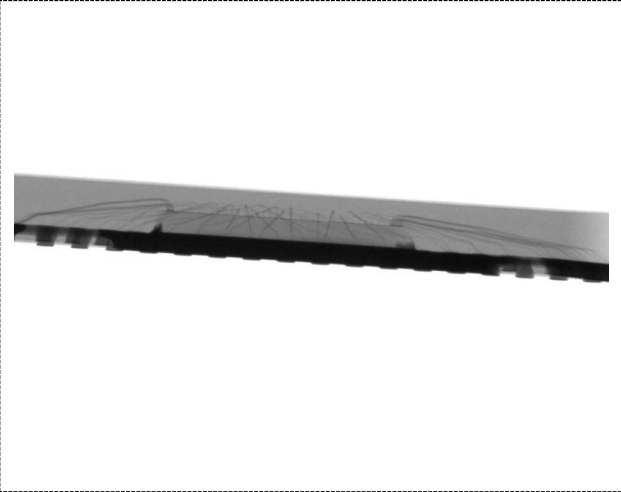


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#4-Side View-All



#4-Side View-Zoom



**End**

For more information, please visit: <https://www.iclab-cn.com>

CXO Lab WeChat official account

