



Tin Test Report

Customer Name: Yunhan Core City (Shanghai) Internet Technology Co., Ltd

Material Brand: TI

Material Category: LED lighting driver

Material Model: TCA6507PW

Test Date: 2021/09/29

Examiner: Mark Auditor : Mikael





Material Information

Manufacturer :	TI
DC:	N/A
Lot :	N/A
Package Type:	TSSOP-14
Manner Of Packing :	REEL

Material Model:	TCA6507PW
Amount of Inspection :	5PCS
ASSY:	N/A
ROHS Type:	N/A
MSL Level:	N/A

Testing Engineer Mark

Test Results

FAIL

1. Testing facility

Order number	Name of instrument	Brand	Model number	Validity of calibration
1	Lead - free tin furnace	Quick	CT-100-15S	2021-12-31

2. Testing environment

3. Temperature : $25 \pm 5^{\circ}\text{C}$ Relative humidity : (25~85)%

4. Test condition

- (a). flux immersion time : 5 s
- (b). Tin furnace temperature : $245 \pm 5^{\circ}\text{C}$
- (c). Soaking time : 5 ± 0.5 Seconds
- (d). Im immersion and proposed speed : $25.4 \pm 6.4 \text{ mm/s}$
- (e). Flux type: unow_NL6805
- (f). solder type: HQ_SAC0307 (sn96.3: ag3: cu0.7)

4. Documentation

JESD22-B102

5. Criteria

95 per cent > area of tin per pin

inspect the conclusion

Received 5PCS of materials for weldability test:

1. Material pin and heat sink have oxidation;

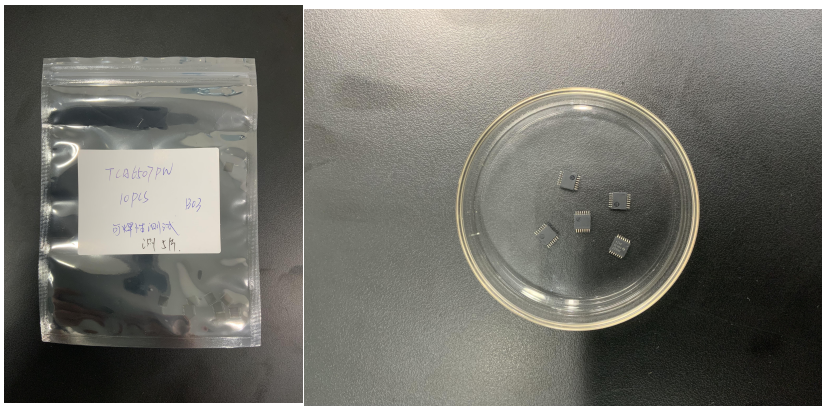
2. The tin rate on the pin and heat sink is < 95%, and the tin is not good;





Material situation

Inspecting item	bear fruit			Inspecting item	结果		
	PASS	FAIL	NA		PASS	FAIL	NA
Type check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Specification and dimension	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Package Type	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Screen printing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Material appearance	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Surface testing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



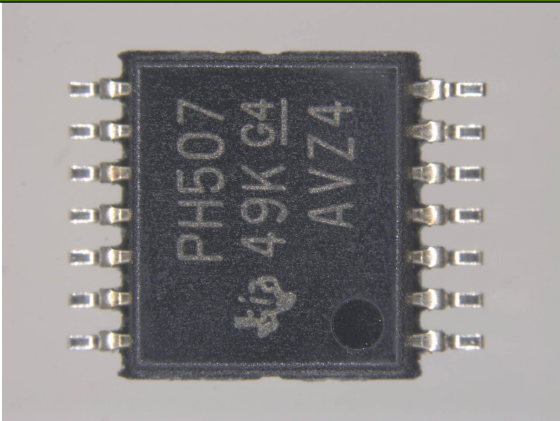
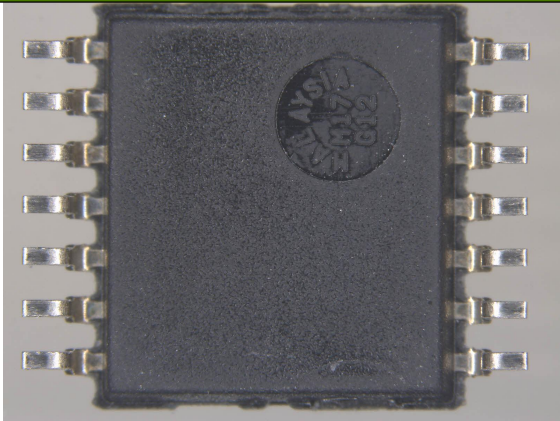
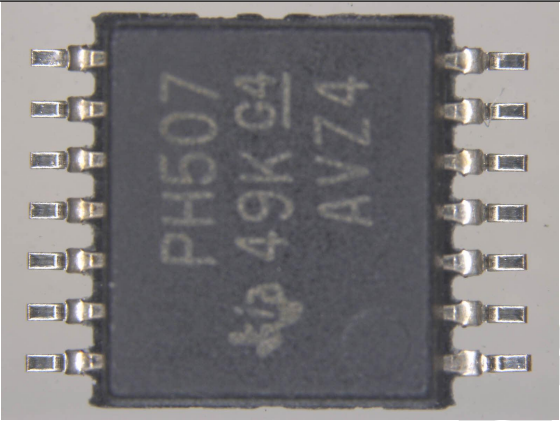
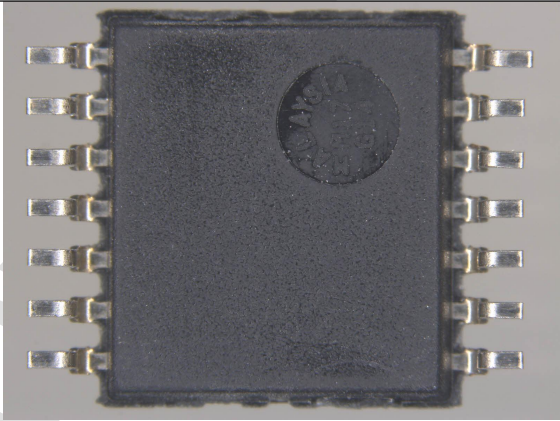
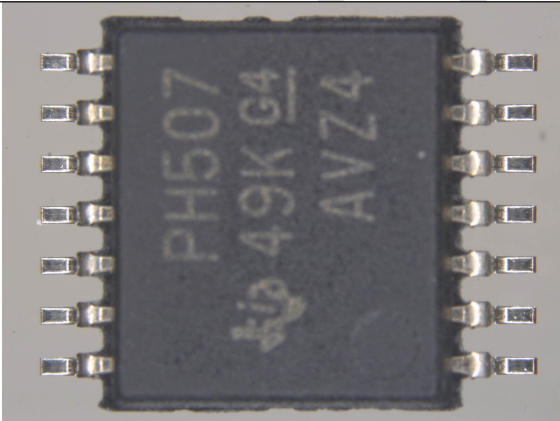
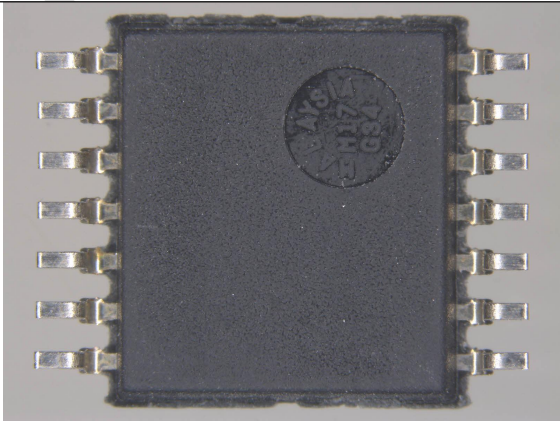
Appearance Details

Sample number	Elevation drawing	Rear view
1#		





AMPLE SECURE

2#		
3#		
4#		





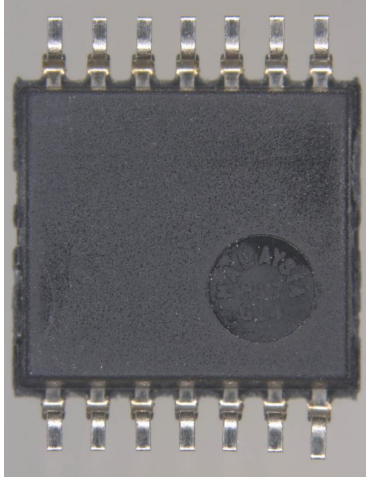
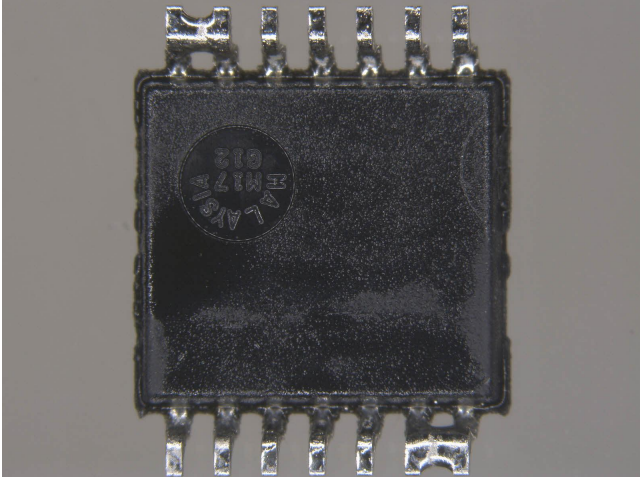
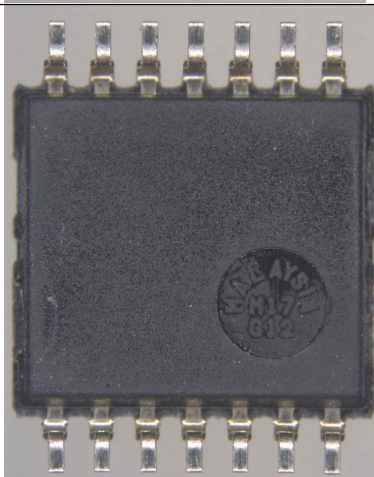
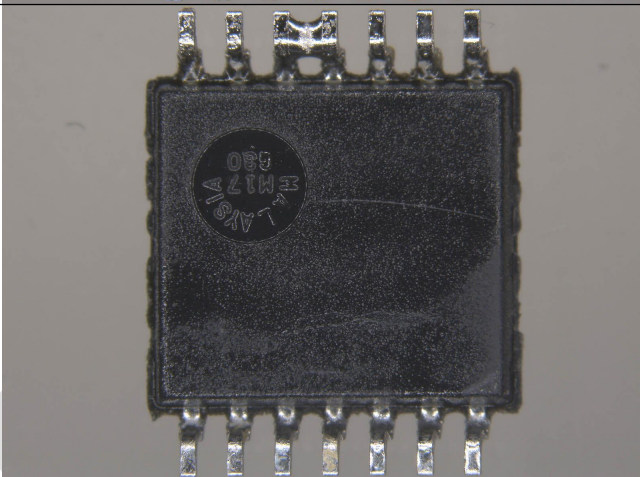
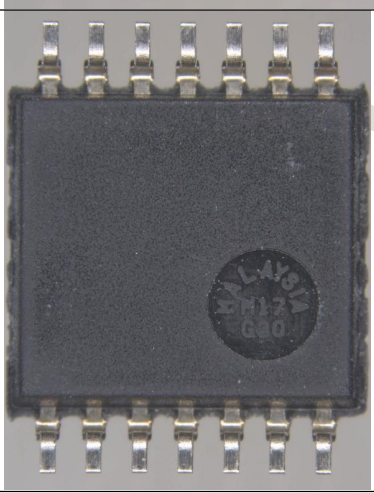
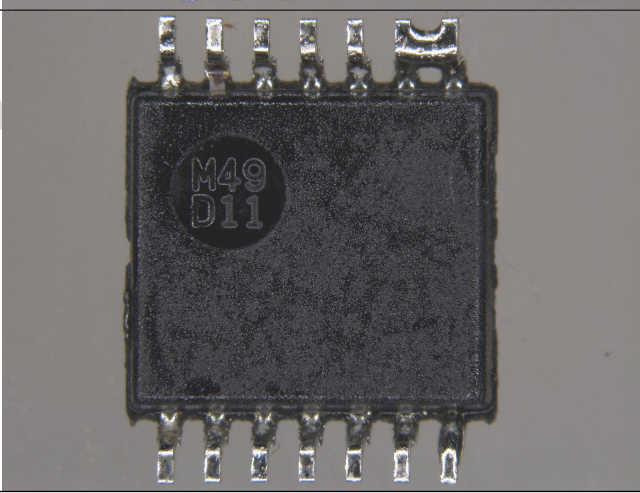
5#		
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Test of tin-contamination capability

Sample number	Before testing	After the test
1#		
2#		





3#			
4#			
5#			





Matters need attention

1. The data results in this report are used for scientific research , teaching , internal quality control of the enterprise , and enterprise product research and development , which does not have a supporting role in the society .
2. May not partially copy this report without the written consent of this testing Center .
3. Has any objection to the test report , it shall submit it to the test unit within 15 days from the date of receiving the report , which shall not be accepted .
4. This test report is only responsible for the submitted samples .

***** Report End of *****

