

## Test Report

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HO CHIEN ENTERPRISE CO., LTD.  
NO. 6 LANE 130, SEC. 1, KUANG FU RD., SAN CHUNG CITY, TAIPEI  
HSIEN 241, TAIWAN, R. O. C.



The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : SMT TERMINAL SERIES  
Style/Item No. : 2570 SERIES-SMT TERMINAL  
Sample Receiving Date : 2008/07/10  
Testing Period : 2008/07/10 TO 2008/07/17

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

Test Method : With reference to IEC 62321/2nd CDV (111/95/CDV)  
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.

- (1) Determination of Cadmium by ICP-AES.
- (2) Determination of Lead by ICP-AES.
- (3) Determination of Mercury by ICP-AES.
- (4) Determination of Hexavalent Chromium for metallic samples by Spot test / boiling water extraction Method.

Test Result(s) : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted samples, the test results of Cadmium, Lead, Mercury and Hexavalent Chromium Cr(VI) are **compliant with** the limits of RoHS Directive 2002/95/EC and its subsequent amendments.

Nicole Chien / Supervisor  
Signed for and on behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory - Taipei

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Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result		MDL	RoHS Limit
		No.1	No.2		
Cadmium (Cd)	(1)	n.d.	n.d.	2	100
Lead (Pb)	(2)	65	25	2	1000
Mercury (Hg)	(3)	n.d.	n.d.	2	1000
Hexavalent Chromium Cr(VI) by Spot test / boiling water extraction	(4)	Negative	Negative	See Note 4	#

## TEST PART DESCRIPTION:

NO.1 : PLATING LAYER OF SILVER COLORED METAL PIN (EXCLUDING THE FRAME)  
 NO.2 : BASE MATERIAL OF SILVER COLORED METAL PIN (EXCLUDING THE FRAME)

Note : 1. mg/kg = ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. Spot-test:

Negative = Absence of Cr(VI) coating / surface layer,

Positive = Presence of Cr(VI) coating / surface layer;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of Cr(VI) coating / surface layer.

Positive = Presence of Cr(VI) coating / surface layer;

the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm<sup>2</sup> sample surface area.

5. # = Positive indicates the presence of Cr(VI) on the tested areas

and result be regarded as not comply with RoHS requirement.

Negative indicates the absence of Cr(VI) on the tested areas and result be regarded as comply with RoHS requirement.

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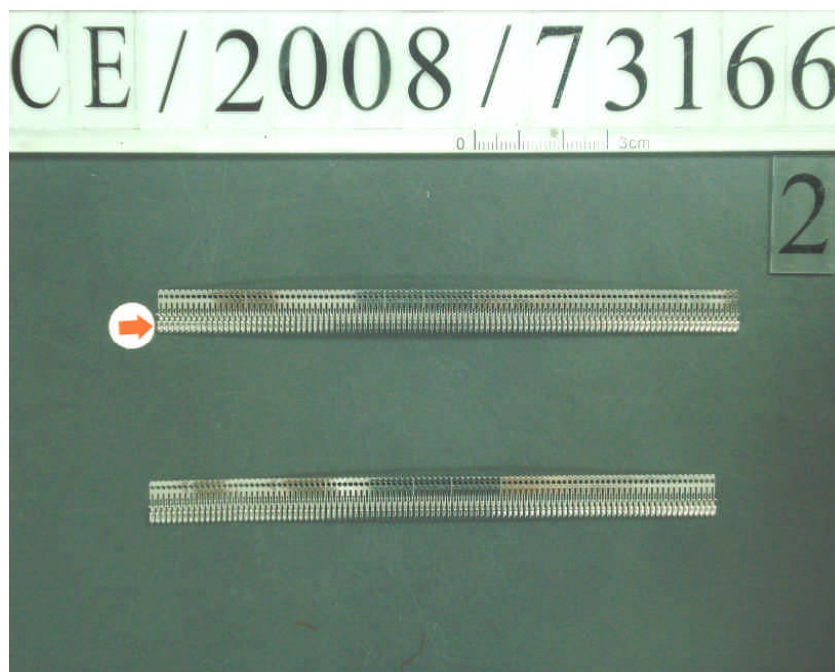
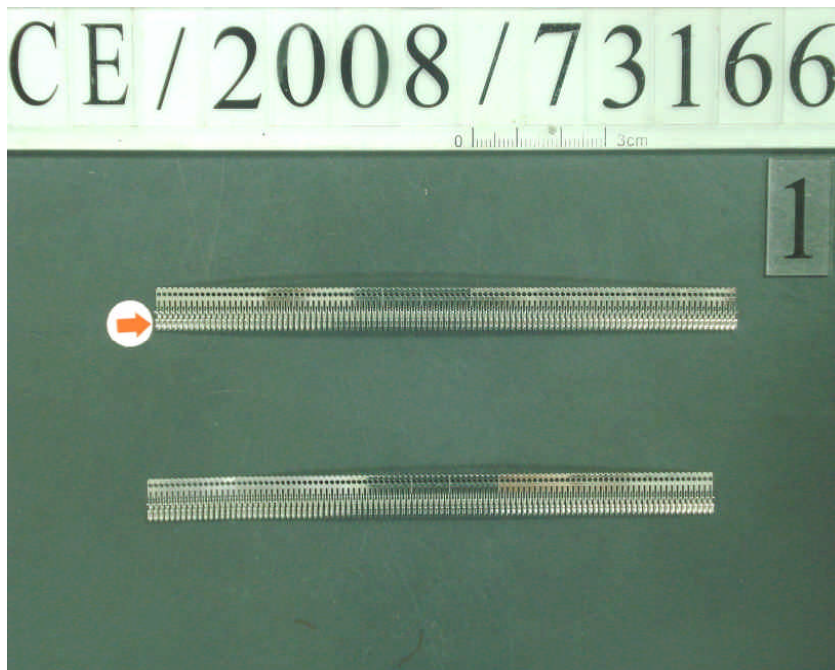
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\*\* End of Report \*\*

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