



Reliability Laboratory

## TEST REPORT

Report No.: HC80280/2007  
Page: 1 of 4  
Date: August 31, 2007

TEMWELL CORPORATION  
8F-1, NO. 51, SEC. 1, MIN SHENG E. RD.,  
TAIPEI, TAIWAN

The following merchandise was submitted and identified by the vendor as:

Product Description: TEMWELL BRAND Helical Filter  
Style/Item No.: 7H/ No.1~ No.5  
Manufacturer/Vendor: TEMWELL CORPORATION  
Quantity: Total 5 pieces  
Testing Period: Aug. 28, 2007  
Note: (Client's declaration) The materials used for 7H series are similar.

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required : (According to client's test specification, please see following sheets in detail.)

Resistance to Soldering Heat

By Solder Iron

- Hand soldering of solder cups, through hole components, tab and post terminations, solder eyelet terminations.

Test Object: The test purpose is to determine whether wire and other component parts can withstand the effects of the heat to which they will be subjected during soldering process.

Test Results: - PLEASE SEE ATTACHED SHEETS -

Terence Hsieh  
Asst. Manager

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## 1. Resistance to Soldering Heat by Solder Iron:

### Test Equipment:

Name	Brand	Model	Serial No.
Digital Desoldering Station	Hako	937	937103008845

### Materials:

Name	Brand	Designation	Chemical Composition
Solder Wire	SENJU	M705-F3 1.0mm	Sn/3.0Ag/0.5Cu

### Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

### Test Method/ Specification:

Test Method: Reference to MIL-STD-202G Method 210F Condition A

Sample Condition: See below item marked “●”.

●	As-received condition
	Specimen shall be cleaned (Immersed in a neutral organic solvent at room temperature and dried in air)

Test Procedure: The solder iron shall be heated to designated temperature and applied to the termination for a designated duration. The solder and iron shall be applied to the area of the assembly closest to the component body that the product is likely to experience. Remove the iron and allow the component to cool and stabilize at room ambient conditions. Then examine the component visually under 10X magnification.

Temperature: 350±10°C

Duration: 3±0.5 seconds

Number of Heat Cycles: 1 time(s)

Note: The component shall be placed on the FR-4 mounting board during test.

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Specimen:

Style/Item No.: 7H/ No.1~ No.5


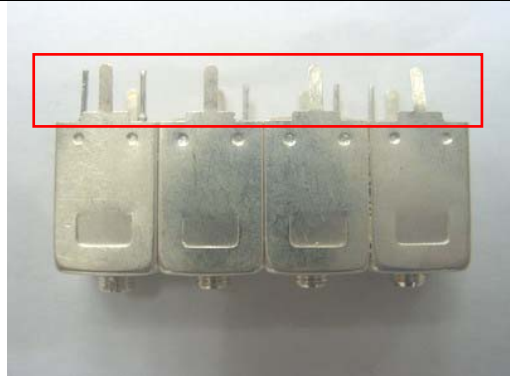

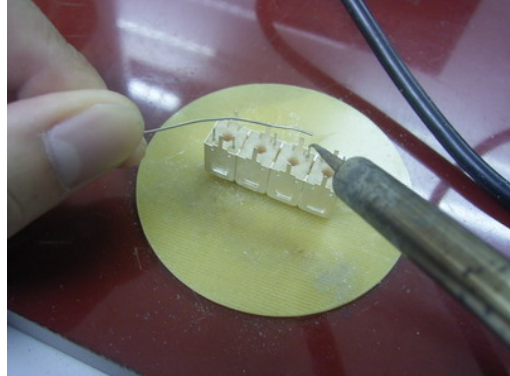
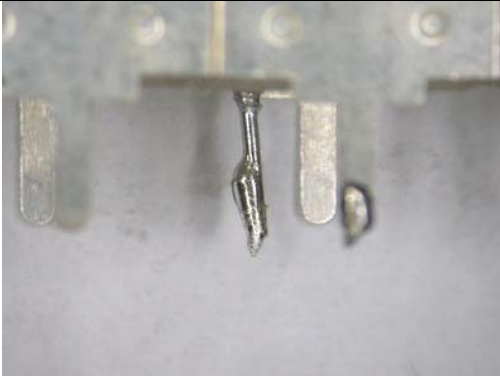

Quantity: Total 5 pieces

Test Result:

Resistance to Soldering Heat by Solder Iron

Check Item Style/Item No.	Initial Inspection	Final External Visual
	Any visible defect be found?	Any external defect be found?
<b>7H/ No.1</b>	No	No
<b>7H/ No.2</b>	No	No
<b>7H/ No.3</b>	No	No
<b>7H/ No.4</b>	No	No
<b>7H/ No.5</b>	No	No

Test Photos:

	
<p>1. Appearance of specimen-- (7H)</p>	<p>2. Testing area of specimen</p>
	
<p>3. Resistance to Soldering Heat by Solder Iron</p>	<p>4. Resistance to Soldering Heat by Solder Iron</p>
	
<p>5. Final Inspection-- Resistance to Soldering Heat by Solder Iron</p>	<p>6. Final Inspection-- Resistance to Soldering Heat by Solder Iron</p>

— — — **The End of Test Report** — — —