

 <b>SHANGHAI ELECTRICAL COMPONENTS TEST LABORATORY</b>	<b>REPORT No.:</b> 501-115131-2 <b>PROJECT No.:</b> PRJ-16-000910715
<h1>TEST REPORT</h1>	<b>STARTED:</b> 2016-11-23 <b>COMPLETED:</b> 2017-02-10 <b>ISSUED:</b>
<b>CUSTOMER INFORMATION:</b> Name: Consumer Devices Request by: Ji, Jone Request Date: 2016-11-23 Address: No.668 Guiping Road Shanghai. China.	<b>SPECIMEN INFORMATION:</b> Description: High current spring finger Part No.: 2306454- Qty.: 35 pcs Received Date: 2016-11-23
<b>DISPOSED OF SAMPLES:</b> Keep in lab	
<b>DESCRIPTION :</b> 2.3H spring finger. See Fig1, total 35pcs samples were used for 7 test groups.	
<b>SCOPE :</b> This specification covers the requirements for product performance, test methods and quality assurance. Testing was performed at TE Connectivity Shanghai Electrical Test Laboratory between Nov 23, 2016 and Feb 10, 2017.	
<b>TEST PERFORMED :</b> See test sequence (page 2) and test procedure (page 4& page 5).	
<b>SPECIFICATION :</b> 108-115120.	
<b>CONCLUSION :</b> See the summary of test result.	
<b>DISTRIBUTION :</b> Applicant	
<b>PREPARED BY:</b> Dong Zhihua Test Engineer	<b>CHECKED BY:</b> Wu Hellen Test Supervisor
<b>APPROVED BY:</b> Lu Robin Test Manager	<b>CLASSIFICATION:</b> Class 2
<b>APPENDICES:</b> See Appendix.	

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**TE Connectivity Shanghai Electrical Components Test Laboratory.**

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**TEST PURPOSE**

This is product qualification test. The purpose of this test is to evaluate the performance of High current spring finger connector. Testing was performed on below products to determine it compliance with the requirements of 108-115120.

**TEST SEQUENCE**

Test Item	Test Group						
	1	2	3	4	5	6	7
	Test Sequence						
Examination of Product	1,5	1,3	1,6	1,5	1,5	1,3	1,5
Normal force Test	3,6		2,7				
LLCR			3,5	2,4	2,4		2,4
Temperature Rising						2	
Temperature Life			4				
Thermal Shock					3		
Humidity Temp. Cycling				3			3
Durability test	4						
Resistance to Soldering Heat	2						
Solderability Test		2					

**SUMMARY OF TEST RESULTS**

Group	Test Item	N	Condition	Test Result				Requirement	Conclusion
				Max	Min	Ave	Unit		
1	Examination of Product	5	Initial	No physical damage			N/A	No abnormalities	Meet Spec
	Resistance to Soldering Heat	5	Initial	No physical damage			N/A	No abnormalities	Meet Spec
	Normal force Test	5	Initial	0.72	0.66	0.69	N	0.4N Min.	Meet Spec
	Durability test	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
	Examination of Product	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
	Normal force Test	5	Final	0.67	0.63	0.65	N	0.4N Min.	Meet Spec
2	Examination of Product	5	Initial	No physical damage			N/A	No abnormalities	Meet spec
	Solderability Test	5	Final	Soldering Coverage greater than 95%			N/A	95% Min.	Meet Spec
	Examination of Product	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
3	Examination of Product	5	Initial	No physical damage			/	No abnormalities	Meet Spec
	Normal force Test	5	Initial	0.76	0.72	0.74	N	0.4N Min.	Meet Spec
	LLCR	5	Initial	44.5	47.8	43.9	mΩ	50 mΩ Max.	Meet spec
	Temperature Life	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
	LLCR	5	Final	47.9	44.9	45.9	mΩ	50 mΩ Max.	Meet Spec
	Examination of Product	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
	Normal force Test	5	Final	0.70	0.64	0.67	N	0.4N Min.	Meet spec

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4	Examination of Product	5	Initial	No physical damage			N/A	No abnormalities	Meet spec
	LLCR	5	Initial	44.3	42.2	43.4	mΩ	50 mΩ Max.	Meet Spec
	Humidity and Temperature Cycling	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
	LLCR	5	Final	44.6	42.7	43.4	mΩ	50 mΩ Max.	Meet Spec
	Examination of Product	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
5	Examination of Product	5	Initial	No physical damage			N/A	No abnormalities	Meet spec
	LLCR	5	Initial	46.3	42.8	44.4	mΩ	50 mΩ Max.	Meet Spec
	Thermal Shock	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
	LLCR	5	Final	46.1	42.7	44.8	mΩ	50 mΩ Max.	Meet Spec
	Examination of Product	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
6	Examination of Product	5	Initial	No physical damage			N/A	No abnormalities	Meet spec
	Temperature Rising	5	Final	9.96	6.34	8.48	°C	30°C Max.	Meet Spec
	Examination of Product	5	Final	No physical damage			N/A	No abnormalities	Meet Spec
7	Examination of Product	5	Initial	No physical damage			N/A	No abnormalities	Meet Spec
	LLCR	5	Initial	45.7	40.8	44.4	mΩ	50 mΩ Max.	Meet spec
	Humidity and Temperature Cycling	5	Final	No physical damage			N/A	No abnormalities	Meet spec
	LLCR	5	Final	45.7	41.9	43.7	mΩ	50 mΩ Max.	Meet spec
	Examination of Product	5	Final	No physical damage			N/A	No abnormalities	Meet spec

**ENVIRONMENTAL CONDITION**

Unless otherwise stated, the following environmental conditions prevailed during testing:  
 Temperature: 15°C to 35°C,      Relative Humidity: 25% R.H to 75% R.H

**TEST SPECIMEN**

Assembly

Name	P/N	Qty.	Manufacturer
2.3H spring finger	2306454-*	35	TE

----- **END OF REPORT** -----