

检 测 报 告
TEST REPORT

报告编号 (No.) :UTS23060026R50 报告日期 (Report Date) : 2023/08/25

委托单位/Client : 浙江新富尔电子有限公司
Zhejiang Xinfuer Electron Co.,Ltd
地 址/Address : 浙江省乐清市虹桥镇溪西工业区标准厂区 9 号
No.9 Xixi industrial park,Hongqiao town,Yueqing,Zhejiang,China

以下样品信息由申请人提供及确认:
The sample(s) information below is/are provided and confirmed by client:

样品名称/Sample Name : PHC 系列连接器/PHC series connectors
料 号/Part No. : PHC-nAWB-NK
PHC-nAB-NK
PHC-T-NK
PHC-nY-NK
PHC-nYK
接样日期/Receiving Date : 2023/06/20
检测项目/Test Item : TG0 进厂检验/TG0 Inspection of as-received condition



签 发 人 樊建红 授权签字人
Approved by

审 核 毛贯南
Reviewed by

编 制 王彭
Prepared by

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1、测试标准/Test Standard

依客户要求进行试验, 详见测试条件。/The test was/were carried out according to client's requirement, details was/are given in the test condition(s).

2、测试日期/Test Date

2023/06/25-2023/06/27

3、测试仪器/Test Equipment

设备名称 Test Equipment	设备编号 Equipment Number	校准有效期 Calibration Period of Validity
绝缘电阻测试仪 Insulation resistance tester	R-1-134	2023/11/29
电阻测试仪 Resistance tester	R-1-512	2024/02/21

4、测试条件/Test Condition

P0.1 目检; P0.1 Visual inspection;

P0.2.1 接触电阻;P0.2.1 Volume resistance in the contact;

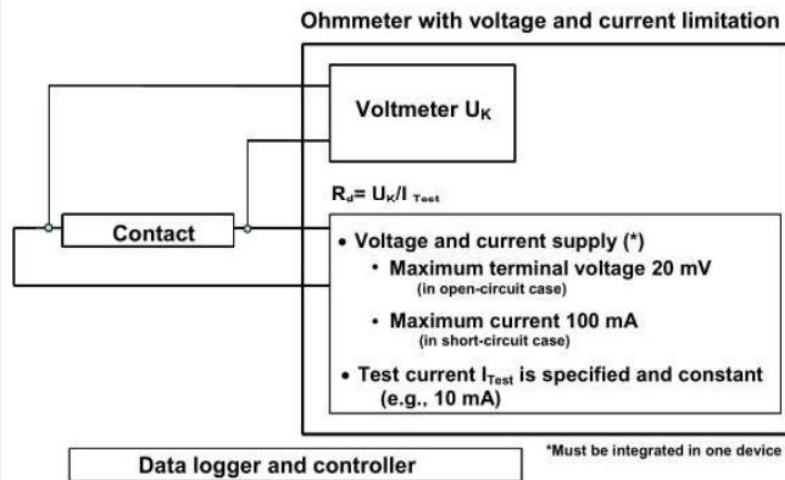


图 1-1 接触电阻测量图 Fig1-1 Contact resistance test method

P0.3 绝缘电阻;P0.3 Insulation resistance;

所有相邻触点之间的绝缘电阻;Insulation resistance between all adjacent contacts.

直流测试电压:500V;DC test voltage: 500V;

测试周期: 60s;Read cycle time: 60s;

绝缘电阻: >100MΩ。

Insulation resistance: >100MΩ

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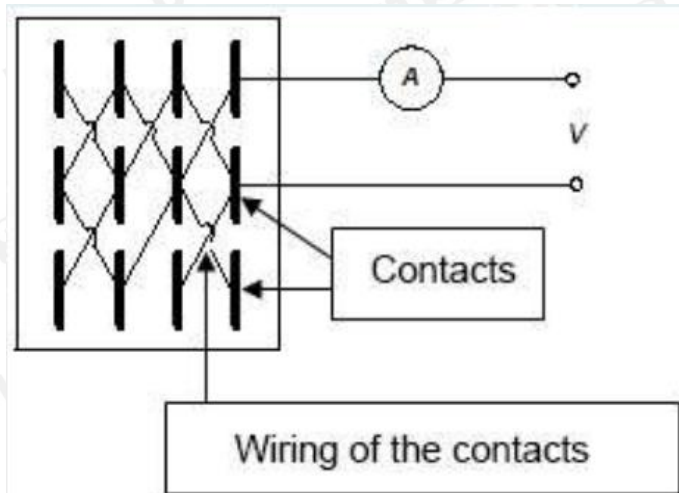


图 1-2 绝缘电阻测量设置 Fig1-2 Insulation resistance measurement setup

5、测试结果/Test Result(s)

外观检查 (测试前) Visual inspection before test

样品编号 Sample No.	结果 Result
1#	没有松动、裂纹、变形等缺陷。No detrimental looseness, cracks, flaws, deformation, etc.
2#	没有松动、裂纹、变形等缺陷。No detrimental looseness, cracks, flaws, deformation, etc.
3#	没有松动、裂纹、变形等缺陷。No detrimental looseness, cracks, flaws, deformation, etc.
4#	没有松动、裂纹、变形等缺陷。No detrimental looseness, cracks, flaws, deformation, etc.
5#	没有松动、裂纹、变形等缺陷。No detrimental looseness, cracks, flaws, deformation, etc.
6#	没有松动、裂纹、变形等缺陷。No detrimental looseness, cracks, flaws, deformation, etc.
7#	没有松动、裂纹、变形等缺陷。No detrimental looseness, cracks, flaws, deformation, etc.
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9#	没有松动、裂纹、变形等缺陷。No detrimental looseness, cracks, flaws, deformation, etc.
10#	没有松动、裂纹、变形等缺陷。No detrimental looseness, cracks, flaws, deformation, etc.

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接触电阻 Contact resistance

样品编号 Sample No.		结果 Result			判定依据 Judgment Basis	判定 Determine
		终端和导线电阻 Resistance ofterminal and wire (mΩ)	导线电阻 Resistance of wire (mΩ)	接触电阻 Contact resistance (mΩ)		
1#	1	8.017	3.779	4.238	<30mΩ	符合 PASS
	2	7.858	3.734	4.124		符合 PASS
2#	1	8.780	3.833	4.947		符合 PASS
	2	8.708	3.787	4.921		符合 PASS
3#	1	8.357	3.815	4.542		符合 PASS
	2	7.847	3.835	4.012		符合 PASS
4#	1	7.907	3.797	4.110		符合 PASS
	2	8.537	3.812	4.725		符合 PASS
5#	1	8.715	3.828	4.887		符合 PASS
	2	8.556	3.806	4.750		符合 PASS
6#	1	8.424	3.866	4.558		符合 PASS
	2	8.533	3.845	4.688		符合 PASS
7#	1	9.494	3.830	5.664		符合 PASS
	2	9.269	3.864	5.405		符合 PASS
	3	9.143	3.801	5.342		符合 PASS
	4	8.796	3.841	4.955		符合 PASS
	5	9.128	3.786	5.342		符合 PASS
	6	8.874	3.802	5.072		符合 PASS
	7	9.379	3.804	5.575		符合 PASS
	8	8.991	3.773	5.218		符合 PASS
8#	1	8.768	3.866	4.902		符合 PASS
	2	9.025	3.766	5.259		符合 PASS
	3	8.575	3.851	4.724		符合 PASS
	4	8.479	3.728	4.751		符合 PASS
	5	9.191	3.841	5.350		符合 PASS
	6	8.418	3.766	4.652		符合 PASS
	7	8.308	3.789	4.519		符合 PASS
	8	8.292	3.841	4.451		符合 PASS

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样品编号 Sample No.		结果 Result			判定依据 Judgment Basis	判定 Determine
		终端和导线电阻 Resistance ofterminal and wire (mΩ)	导线电阻 Resistance of wire (mΩ)	接触电阻 Contact resistance (mΩ)		
9#	1	10.713	3.812	6.901	<30mΩ	符合 PASS
	2	8.965	3.845	5.120		符合 PASS
	3	9.833	3.835	5.998		符合 PASS
	4	10.618	3.804	6.814		符合 PASS
	5	10.838	3.774	7.064		符合 PASS
	6	9.108	3.773	5.335		符合 PASS
	7	9.490	3.788	5.702		符合 PASS
	8	9.111	3.803	5.308		符合 PASS
	9	10.704	3.769	6.935		符合 PASS
	10	9.805	3.719	6.086		符合 PASS
	11	9.697	3.766	5.931		符合 PASS
	12	9.923	3.830	6.093		符合 PASS
	13	9.683	3.828	5.855		符合 PASS
	14	8.604	3.780	4.824		符合 PASS
	15	9.700	3.825	5.875		符合 PASS
10#	1	9.812	3.842	5.970		符合 PASS
	2	8.416	3.832	4.584		符合 PASS
	3	9.570	3.865	5.705		符合 PASS
	4	8.484	3.801	4.683		符合 PASS
	5	9.140	3.785	5.355		符合 PASS
	6	8.247	3.805	4.442		符合 PASS
	7	7.736	3.792	3.944		符合 PASS
	8	8.094	3.853	4.241		符合 PASS
	9	8.124	3.807	4.317		符合 PASS
	10	8.613	3.937	4.676		符合 PASS
	11	9.991	3.832	6.159		符合 PASS
	12	9.472	3.845	5.627		符合 PASS
	13	8.501	3.793	4.708		符合 PASS
	14	8.125	3.824	4.301		符合 PASS
	15	8.651	3.825	4.826		符合 PASS

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压接电阻 Crimping resistance

样品编号 Sample No.		结果 Result			判定依据 Judgment Basis	判定 Determine
		终端和导线电阻 Resistance ofterminal and wire (mΩ)	导线电阻 Resistance of wire (mΩ)	接触电阻 Contact resistance (mΩ)		
1#	1	4.817	3.737	1.080	<2mΩ	符合 PASS
	2	4.712	3.771	0.941		符合 PASS
2#	1	4.951	3.763	1.188		符合 PASS
	2	4.908	3.724	1.184		符合 PASS
3#	1	4.701	3.861	0.840		符合 PASS
	2	4.919	3.817	1.102		符合 PASS
4#	1	4.659	3.748	0.911		符合 PASS
	2	4.755	3.809	0.946		符合 PASS
5#	1	4.848	3.815	1.033		符合 PASS
	2	4.865	3.806	1.059		符合 PASS
6#	1	4.944	3.802	1.142		符合 PASS
	2	4.825	3.797	1.028		符合 PASS

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绝缘电阻 Insulation resistance

样品编号 Sample No.	结果 Result	判定依据 Judgment Basis	判定 Determine
1#	360.1GΩ	>100MΩ	符合 PASS
2#	30.76GΩ		符合 PASS
3#	239.8GΩ		符合 PASS
4#	31.42GΩ		符合 PASS
5#	904.7GΩ		符合 PASS
6#	331.3GΩ		符合 PASS
7#	1.519GΩ		符合 PASS
8#	1.217GΩ		符合 PASS
9#	1.825GΩ		符合 PASS
10#	1.890GΩ		符合 PASS

备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

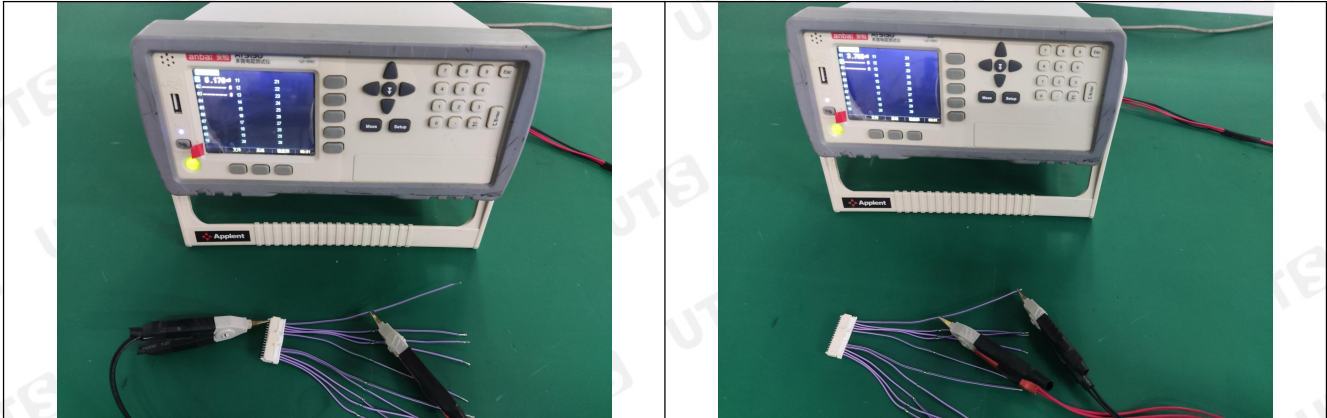
6、测试照片/Test Photo(s)



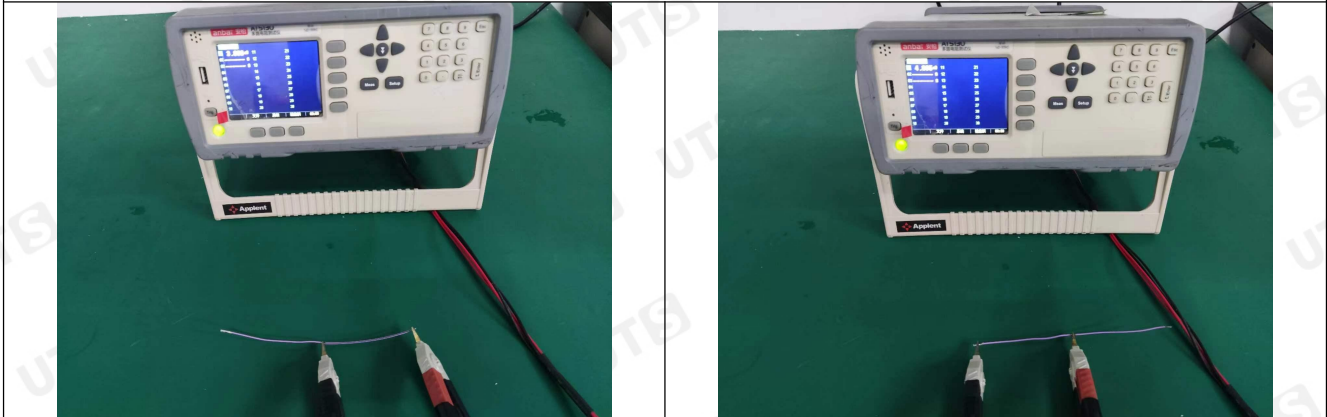
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接触电阻测试 Contact resistance test



压接电阻测试 Crimping resistance test



绝缘电阻测试 Insulation resistance test

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测试后外观 Sample appearance after test

.....报告结束/End of Report.....

本报告中结果仅作为科研、教学或内部质量控制之用。

Test results in this report are only used for scientific research, teaching and internal quality control.