

检 测 报 告

TEST REPORT

报告编号 (No.) :UTS23060026R57 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 : TG11 端子插拔力, 插接频率次数;
TG11 Contacts: Insertion and removal forces, number of mating cycles



签 发 樊建红
Approved by 樊建红 授权签字人

审 核 毛贯南
Reviewed by 毛贯南

编 制 王彭
Prepared by 王彭

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1、测试标准/Test Standard

VW 75174 LV-214 2018 及客户要求; VW 75174 LV-214 2018 and customer requirements

2、测试日期/Test Date

2023/07/03-2023/07/24

3、测试仪器/Test Equipment

设备名称 Test Equipment	设备编号/型号 Equipment Number/Type	校准有效期 Calibration Period of Validity
影像测量仪 Image measuring instrument	CD-1-038	2024/02/21
全自动插拔力试验机 Fully automatic insertion and extraction force testing machine	R-1-559	2024/08/12

4、测试条件/Test Condition

P0.1 目检;

P0.1 Visual inspection;

P5.1 开口尺寸;

P5.1 Contact opening dimensions;

P11.1 插拔力, 无附加润滑油;

P11.1 Insertion and extraction force, without additional lubricants;

L11.1 插接次数频率;

L11.1 Number of mating cycles;

表面/ Surface:

锡 20 个插入/回拉周期(除非有其他规定);

Sn: 20 mating cycles (unless otherwise specified);

银: 50 个插入/回拉周期(除非有其他规定);

Ag: 50 mating cycles (unless otherwise specified);

金 100 个插入/回拉周期(除非有其他规定);

Au: 100 mating cycles (unless otherwise specified);

P5.1 开口尺寸;

P 5.1 Contact opening dimensions;

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P11.1 插拔力, 无附加润滑油;

P11.1 Insertion and extraction force, without additional lubricants;

P0.1 目检;

P0.1 Visual inspection;

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#-10#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.

开口尺寸测试 Contact opening dimensions test

样品编号 Sample No.	开口尺寸 mm (测试前) Contact opening dimension (before test)	开口尺寸 mm (测试后) Contact opening dimension (after test)
1#	0.363	0.372
2#	0.329	0.340
3#	0.354	0.358
4#	0.345	0.358
5#	0.333	0.358
6#	0.361	0.363
7#	0.332	0.347
8#	0.336	0.345
9#	0.359	0.389
10#	0.460	0.469

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插入力测试 Insertion force test

样品编号 Sample No.	插入力 Insertion force(N)		插入力前后 变化率(%) Change rate of insertion force before and after(%)	判定依据 Judgment Basis	判定 Determine
	测试前 Before test	测试后 After test			
1#	1.72	1.63	5.2	插入力与初始值相比 最大变化 25%。 The insertion force may change by at most 25% compared to the initial value	符合 PASS
2#	1.39	1.60	15.1		符合 PASS
3#	1.33	1.29	3.0		符合 PASS
4#	1.13	1.17	3.5		符合 PASS
5#	2.05	1.67	18.5		符合 PASS
6#	1.67	1.55	7.2		符合 PASS
7#	2.02	1.71	15.3		符合 PASS
8#	1.78	1.63	8.4		符合 PASS
9#	1.49	1.28	14.1		符合 PASS
10#	1.67	1.52	9.0		符合 PASS

备注/Remark: 判定限值依 VW 75174 LV-214 2018。/The prescribed limit(s) is/are according to VW 75174 LV-214 2018.

拔出力测试 Extraction force test

样品编号 Sample No.	拔出力 Extraction force(N)	
	测试前 Before test	测试后 After test
1#	1.60	1.54
2#	1.49	1.46
3#	2.04	1.62
4#	1.60	1.29
5#	1.68	1.76
6#	1.56	1.37
7#	1.77	1.68
8#	1.82	1.39
9#	1.83	1.62
10#	2.02	1.85

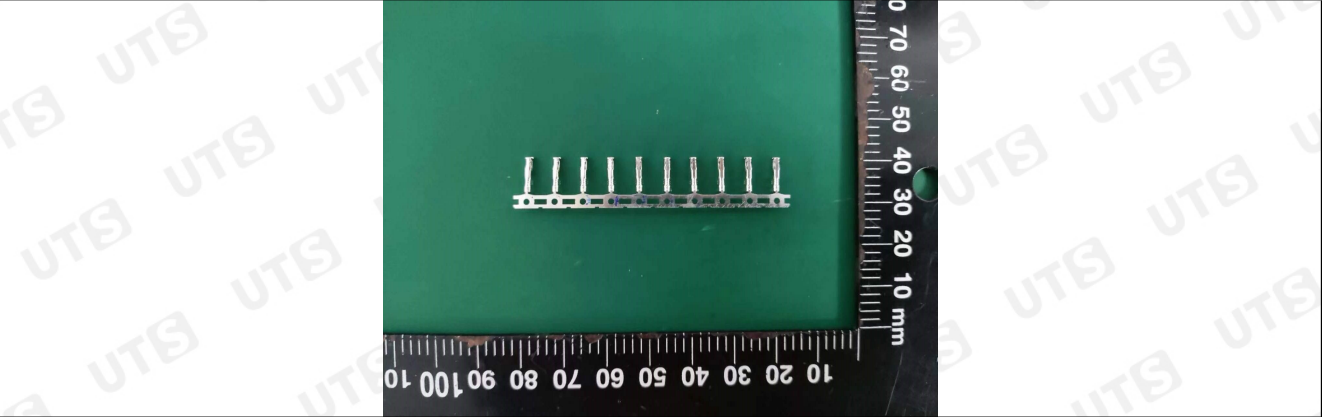
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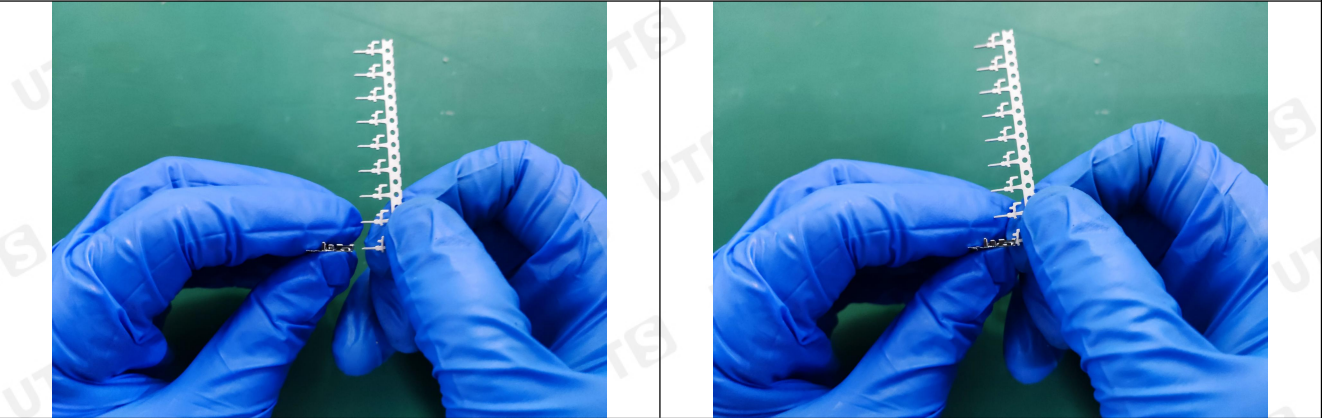
外观检查 (测试后) Visual inspection after test

样品编号 Sample No.	结果 Result
1#-10#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.

6、测试照片/Test Photo(s)



测试前外观检查;Visual inspection before test

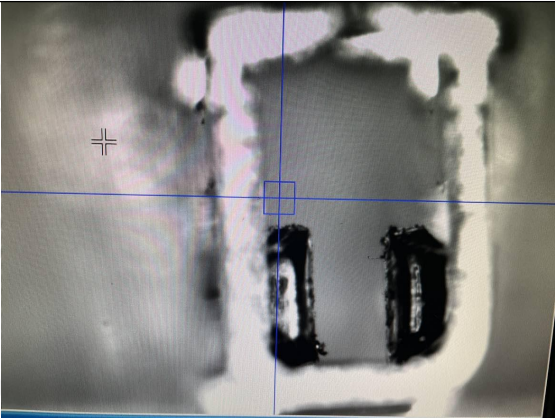
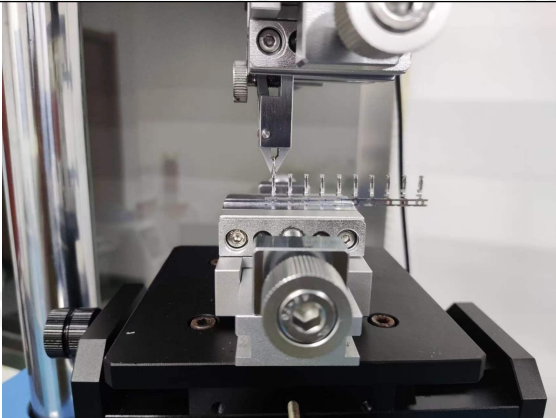
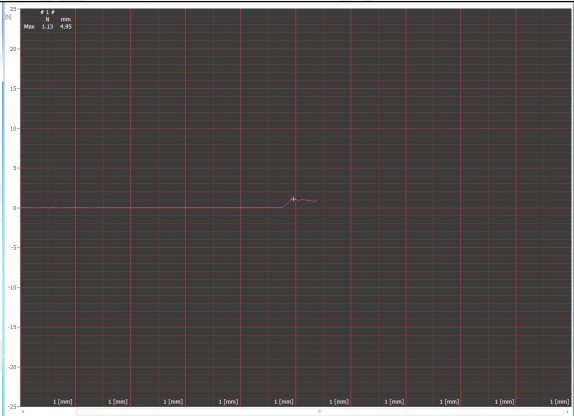
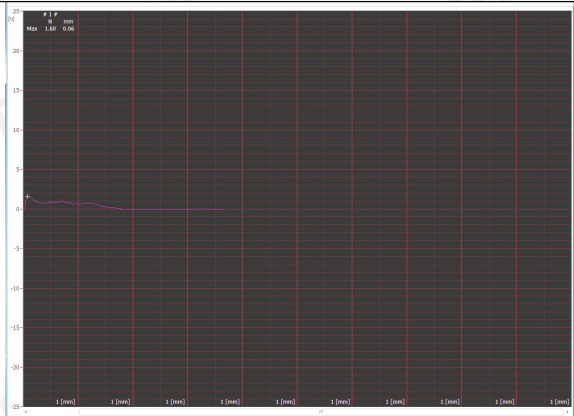
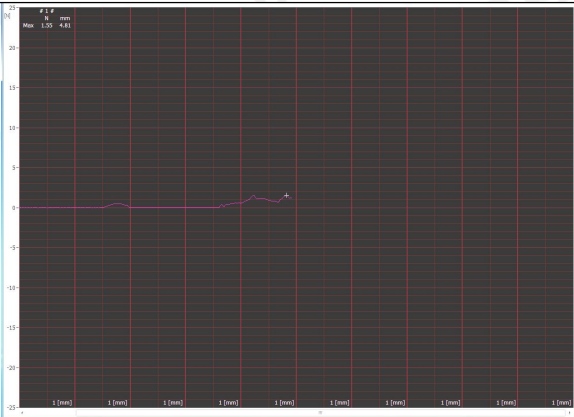
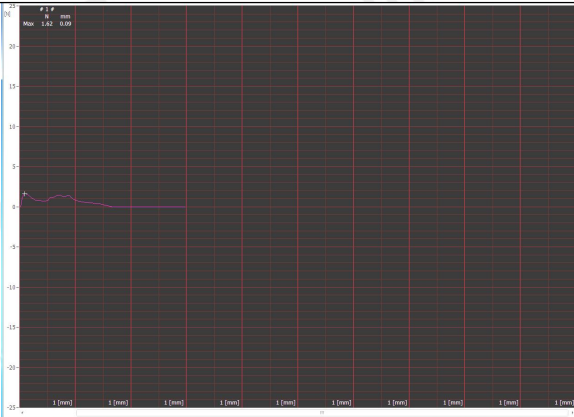


拔插 20 次; 20 times

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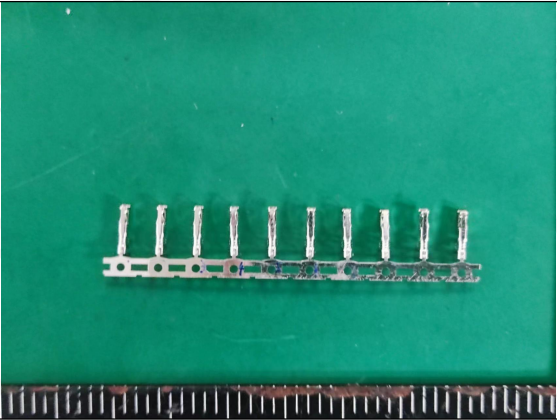
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开口尺寸 Contact opening dimension	插拔力测试 Insertion and extraction force test
	
插入力曲线(测试前) Insertion force curve (before test)	拔出力曲线(测试前) Extraction force curve (before test)
	
插入力曲线(测试后) Insertion force curve (after test)	拔出力曲线(测试后) Extraction force curve (after test)

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	/
测试后外观检查; Visual inspection 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.