

检测报告

Test Report

报告编号: Report No:	202206035
委托单位: Requester:	品管部 Quality Assurance Department
样品名称: Samole Name:	连接器 Connector
型号: Part No:	TJC1507-nYI&TJC1507-nABD Series
曾用型号: Previous part No:	TJC1507-nY&TJC1506 Series
收样日期: Date of Receipt:	2022/5/10
检测周期: Test periods:	2022/5/10~2022/6/10
检测结论: Test result:	合格 Pass

编制: 金荣浩
Prepared by: Ronghao Jin

审核: 覃静静
Supervised by: Jingjing Qin

批准: 李子林
Approved by: Zilin Li

浙江合兴电子元件有限公司
CWB Electronics (Zhejiang) CO., LTD.

报告签发日期: 品管部
Issued Date of the report: 2022/6/20

检测报告

Test Report

报告编号:
Report No.
版号: A

202206035

修订号: 1

表格编号: CWBDZ-QR-QC-123

样品名称 Sample Name	连接器 Connector		型号: Part No:	TJC1507-nYI&TJC1507-nABD Series
生产单位 Manufacturer	浙江合兴电子元件有限公司 CWB Electronics(Zhejiang) CO.,LTD.		曾用型号: Previous part No.:	TJC1507-nY&TJC1506 Series
生产方地址 Producer Add.	浙江省乐清市虹桥镇幸福东路1098号 No.1098,East Xingfu Road,Hongqiao, Yueqing,Zhejiang		收样日期: Date of Receipt:	2022/5/10
样品数量 Sample Qty.	110pcs		检测周期 Test Periods	2022/5/10~2022/6/10
检测地点 Test Location	<input checked="" type="checkbox"/> 温州地区	<input checked="" type="checkbox"/> 太仓地区	检测环境 Test Conditions	24.5°C, 56.1%RH
样品状态 Sample State	检测前样品外观无损伤. No Damage on surface of test sample in front of test.			
检测依据 Tested Basis	依据规格书PS4076检测. Test According to product specification PS4076.			
检测仪器: Test instrument:				
序号 No.	仪器名称 Instrument Name		设备编号 Instrument No.	计量有效期 Valid date to
1	微欧计 Resistance Meter		SY-EG135	2023/4/30
2	数显测力计 Ergometer		SY-FC030	2022/11/30
3	万能拉力试验机 Universal tensile testing machine		SY-FG024	2022/7/30
4	高低温湿热试验箱 Temperature & Humidity Cycling Chamber		SY-TA110	2022/12/30
5	高低温湿热试验箱 Temperature & Humidity Cycling Chamber		SY-TA015	2022/8/30
6	高低温湿热试验箱 Temperature & Humidity Cycling Chamber		SY-TA117	2023/2/28
7	温度冲击试验箱 Temperature & Humidity Cycling & Vibration Chamber		SY-TA092	2023/3/30
8	盐雾腐蚀试验箱 Salt spray Chamber		SY-Z011	2022/7/30
9	数据采集器 Data Acquisition Unit		SY-TA106	2023/4/30
10	多量程直流电源 Multi range DC power supply		SY-EG133	2023/4/30
11	电动振动台 Electric vibration table		TC-FG018	2022/7/30
12	落体式冲击试验台 Fall concussion test-beds		TC-FG023	2022/7/30
13	瞬断仪 Transient breaking instrument		TC-EG142	2022/12/30
14	智能交直流耐压绝缘测试仪 Aptitude AC/DC Voltage resistance		SY-EG062	2023/6/30

声明

1. 报告未加盖“检验检测专用章”无效; 部分复制无效; 报告涂改、 缺页无效; 报告无编制、 审核、 批准人签字无效。
2. 样品信息由委托方提供并对其真实性负责; 报告内容仅对本次送试样品有效。
3. 若对报告的内容有异议, 请在收到报告之日起十五日内以书面形式向本公司提出。

检 测 结 果

Test Result

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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	001~005	1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.1.2	针的固定力 Post retention force	沿插针轴线方向施加推力, 测量将插针从塑件上分离的力(测试速度:25mm /min) The end of a post shall be pushed in a direction perpendicular to a wafer. The load required to make the post start moving from the wafer shall be measured. (Testing speed: <25 mm/min.) GB/T 5095.8 Method 15a / EIA-364-29B	001~005	TJC1507-nABD: 10N Min	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1		Sample2		Sample3		Sample4		Sample5		Max	Min	Avg
针的固定力 Post retention force (单位 Unit:N)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
	Sample1	67.0	72.3	76.2	71.8	69.5	71.4	-	-	-	-	76.2	67.0	71.4
	Sample2	69.1	71.6	69.8	73.0	70.8	73.5	-	-	-	-	73.5	69.1	71.3
	Sample3	71.9	73.0	75.1	73.6	71.3	71.4	-	-	-	-	75.1	71.3	72.7
	Sample4	72.9	72.8	70.5	73.3	73.7	70.5	-	-	-	-	73.7	70.5	72.3
	Sample5	69.1	74.4	68.6	74.1	68.6	70.9	-	-	-	-	74.4	68.6	71.0

仪器设备名称
Name of instrument equipment



万能拉力试验机
Universal tensile testing machine

检测结果

Test Result

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6.1.3	成品插入力与拔出力 Insertion force and withdrawal force	将装有已压接端子的孔座与阳连接器做插入和拔出, 测量首次插入力、首次拔出力 (速度不大于25mm/min.) A plug housing with crimped contacts and a header shall be mated and unmated on the mating axis. Initial insertion and withdrawal forces shall be measured. (Testing speed: <25 mm/min.) GB/T 5095.7 Method 13b / EIA-364-13B	006~015	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th rowspan="2">极数 No. of poles</th> <th colspan="2">连接器插拔力 Connector mating / unmating force *note*</th> </tr> <tr> <th>插入力 Mating force N(Kgf) Max</th> <th>拔出力 Unmating force N(Kgf) Min</th> </tr> </thead> <tbody> <tr><td>2</td><td>29.302(2.99)</td><td>4.508(0.46)</td></tr> <tr><td>3</td><td>31.948(3.26)</td><td>5.194(0.53)</td></tr> <tr><td>4</td><td>34.594(3.53)</td><td>5.880(0.60)</td></tr> <tr><td>5</td><td>37.240(3.80)</td><td>6.566(0.67)</td></tr> <tr><td>6</td><td>39.886(4.07)</td><td>7.252(0.74)</td></tr> <tr><td>7</td><td>42.532(4.34)</td><td>7.938(0.81)</td></tr> <tr><td>8</td><td>45.178(4.61)</td><td>8.624(0.88)</td></tr> <tr><td>9</td><td>47.824(4.88)</td><td>9.310(0.95)</td></tr> <tr><td>10</td><td>50.470(5.15)</td><td>9.996(1.02)</td></tr> <tr><td>11</td><td>53.116(5.42)</td><td>10.682(1.09)</td></tr> <tr><td>12</td><td>55.762(5.69)</td><td>11.368(1.16)</td></tr> <tr><td>13</td><td>58.408(5.96)</td><td>12.054(1.23)</td></tr> <tr><td>14</td><td>60.956(6.22)</td><td>12.740(1.30)</td></tr> <tr><td>15</td><td>63.602(6.49)</td><td>13.426(1.37)</td></tr> <tr><td>16</td><td>66.248(6.76)</td><td>14.112(1.44)</td></tr> <tr><td>17</td><td>68.894(7.03)</td><td>14.798(1.51)</td></tr> <tr><td>18</td><td>71.540(7.30)</td><td>15.484(1.58)</td></tr> <tr><td>19</td><td>74.186(7.57)</td><td>16.170(1.65)</td></tr> <tr><td>20</td><td>76.832(7.84)</td><td>16.856(1.72)</td></tr> </tbody> </table>	极数 No. of poles	连接器插拔力 Connector mating / unmating force *note*		插入力 Mating force N(Kgf) Max	拔出力 Unmating force N(Kgf) Min	2	29.302(2.99)	4.508(0.46)	3	31.948(3.26)	5.194(0.53)	4	34.594(3.53)	5.880(0.60)	5	37.240(3.80)	6.566(0.67)	6	39.886(4.07)	7.252(0.74)	7	42.532(4.34)	7.938(0.81)	8	45.178(4.61)	8.624(0.88)	9	47.824(4.88)	9.310(0.95)	10	50.470(5.15)	9.996(1.02)	11	53.116(5.42)	10.682(1.09)	12	55.762(5.69)	11.368(1.16)	13	58.408(5.96)	12.054(1.23)	14	60.956(6.22)	12.740(1.30)	15	63.602(6.49)	13.426(1.37)	16	66.248(6.76)	14.112(1.44)	17	68.894(7.03)	14.798(1.51)	18	71.540(7.30)	15.484(1.58)	19	74.186(7.57)	16.170(1.65)	20	76.832(7.84)	16.856(1.72)	结果数据见下表	合格 Pass
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检测结果或数值范围
Result of test or range of numerical value

单位Unit: N

项目 Item	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg	
外观 Appearance	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/	
3Pin	首次插入力 Insertion 1st(Max)	28.9	26.1	23.8	25.6	24.3	28.9	23.8	25.7
	首次拔出力 Withdrawal 1st(Min)	21.0	18.2	18.9	18.8	20.4	21.0	18.2	19.5
10Pin	首次插入力 Insertion 1st(Max)	36.1	35.5	33.3	35.0	39.2	39.2	33.3	35.8
	首次拔出力 Withdrawal 1st(Min)	26.0	24.3	24.7	24.4	27.8	27.8	24.3	25.4

仪器设备名称
Name of instrument equipment



万能拉力试验机
Universal tensile testing machine

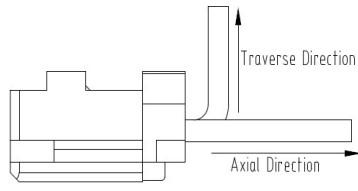

检 测 结 果

Test Result

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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion											
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	016~020	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass											
6.1.4	压着部位抗张强度 (适用于TJC1507-nYI) Crimping pull out force (applied to TJC1507-nYI)	在已压接端子的头部和导线上施加拉力, 并测量将导线从端子拉出或导线断裂所需的力, 测试速度1~5 mm/sec。 Pulling load shall be applied to a correctly crimped contact and a wire. The load required to pull the wire out of the contact or break the wire shall be measured. (Testing speed: 1~5 mm/sec.) GB/T5095.8 Method 16d / EIA-364-08B 	016~020	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">线规[Ⓞ] Wire size[Ⓞ]</th> <th colspan="2">压接部位抗张强度 (Min.)[Ⓞ] Crimping pull out force[Ⓞ]</th> </tr> <tr> <th>水平张力[Ⓞ] Axial direction[Ⓞ] N[Ⓞ]</th> <th>垂直张力[Ⓞ] Traverse direction[Ⓞ] N[Ⓞ]</th> </tr> </thead> <tbody> <tr> <td>AWG#26[Ⓞ]</td> <td>19.6[Ⓞ]</td> <td>11.8[Ⓞ]</td> </tr> <tr> <td>AWG#28[Ⓞ]</td> <td>14.7[Ⓞ]</td> <td>11.8[Ⓞ]</td> </tr> </tbody> </table>	线规 [Ⓞ] Wire size [Ⓞ]	压接部位抗张强度 (Min.) [Ⓞ] Crimping pull out force [Ⓞ]		水平张力 [Ⓞ] Axial direction [Ⓞ] N [Ⓞ]	垂直张力 [Ⓞ] Traverse direction [Ⓞ] N [Ⓞ]	AWG#26 [Ⓞ]	19.6 [Ⓞ]	11.8 [Ⓞ]	AWG#28 [Ⓞ]	14.7 [Ⓞ]	11.8 [Ⓞ]	结果数据见下表	合格 Pass
线规 [Ⓞ] Wire size [Ⓞ]	压接部位抗张强度 (Min.) [Ⓞ] Crimping pull out force [Ⓞ]																
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AWG#26 [Ⓞ]	19.6 [Ⓞ]	11.8 [Ⓞ]															
AWG#28 [Ⓞ]	14.7 [Ⓞ]	11.8 [Ⓞ]															
检测结果或数值范围 Result of test or range of numerical value																	
项目 Item		Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg								
水平 Horizontal	AWG#26	27.9	28.2	26.3	27.9	26.4	28.2	26.3	27.3								
垂直 Vertical	AWG#26	13.5	12.6	14.1	14.8	13.0	14.8	12.6	13.6								
仪器设备名称 Name of instrument equipment		 数显测力计 Ergometer															

检测 结 果

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6.1.7	机械振动 Vibration	插合连接器, 串联在直流电源上, 电流100 mA; 并模拟正常工作状态: 振频为(10~55~10) Hz, 每个循环时间为1分钟, 振幅1.52 mm。沿XYZ三轴正反方向各循环2小时。 Mate connectors subjected them to following vibration conditions, for a period of 2 hours in each of 3 mutually perpendicular axes, 100 mA current shall be applied. Frequency: (10~55~10) Hz/min. Cycling time: 1min. Amplitude: 1.52 mm. GB/T 5095.4 Method 6d / EIA-364-28D	021-025	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max. 电流中断时间: 1μsec Max Current interruption: 1μsec Max	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
外观 Appearance	试验前	021-025 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
	试验后	021-025 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
电流中断时间 Current interruption	021-025	<1μs	<1μs	<1μs	<1μs	<1μs	/	/	/

接触电阻 Contact resistance (单位 Unit:mΩ)	Sample		No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
	试验前	Sample1	Sample2	4.2	3.0	4.5	3.2	3.7	3.8	-	-	-	-	4.5	3.0
Sample2		Sample3	3.5	3.0	3.6	3.2	3.5	3.1	-	-	-	-	3.6	3.0	3.3
Sample3		Sample4	3.5	3.4	4.0	3.2	4.1	3.5	-	-	-	-	4.1	3.2	3.6
Sample4		Sample5	3.9	3.6	4.3	3.6	3.9	3.6	-	-	-	-	4.3	3.6	3.8
Sample5			4.0	3.6	3.9	3.4	3.5	4.1	-	-	-	-	4.1	3.4	3.8
试验后	Sample1	Sample2	4.3	4.3	5.0	4.4	5.9	4.8	-	-	-	-	5.9	4.3	4.8
	Sample2	Sample3	5.2	5.0	5.5	5.4	5.8	4.6	-	-	-	-	5.8	4.6	5.3
	Sample3	Sample4	4.4	5.5	5.4	5.6	4.3	5.0	-	-	-	-	5.6	4.3	5.0
	Sample4	Sample5	5.8	5.4	5.4	4.3	5.3	5.5	-	-	-	-	5.8	4.3	5.3
	Sample5		4.9	4.9	4.3	4.7	5.2	5.6	-	-	-	-	5.6	4.3	4.9

检 测 结 果

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表格编号: CWBDZ-QR-QC-123

仪器设备名称
Name of instrument
equipment



振动台
Vibration Tester



微欧计
Resistance Meter


检 测 结 果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion				
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	021-025	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass				
6.1.8	机械冲击 Shock	连接器相配, 沿XYZ三轴正反方向各冲击3次(总共18次), 在测试过程中通以100 mA电流。 冲击强度: 490 m/s ² 持续时间: 11 ms Mate connectors and subject them to the following shock conditions, 3 times of shock shall be applied for each 6 directions along 3 mutually perpendicular axes, passing DC 100mA current during the test.(total of 18 shocks) Test pulse: 490 m/s ² Duration: 11 ms GB/T 5095.4 Method 6c / EIA-364-27B	021-025	外观: 无损伤 Appearance: no damage. 电流中断时间: 1μsec Max Current interruption: 1μsec Max	结果数据见下表	合格 Pass				
检测结果或数值范围 Result of test or range of numerical value										
项目 Item	Sample		Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
外观 Appearance	试验前	021-025	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
	试验后	021-025	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
仪器设备名称 Name of instrument equipment		 <p>冲击试验台 Shock test system</p>								

检测 结 果

Test Result

报告编号:
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表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	026-030	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.1.9	机械寿命 Durability	以每分钟10次的速度插拔30次。 30 cycles for mating and unmating test at the speed of 10 cycles per minute GB/T 5095.5 Method 9a / EIA-364-09C	026-030	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
外观 Appearance	试验前	026-030 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
	试验后	026-030 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

	Sample		No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
	接触电阻 Contact resistance (单位 Unit.mΩ)	试验前	Sample1	3.1	3.2	3.2	3.2	3.5	3.2	-	-	-	-	3.5	3.1
Sample2			3.6	3.9	3.0	3.2	3.7	3.5	-	-	-	-	3.9	3.0	3.5
Sample3			3.7	3.4	3.0	3.1	4.1	3.0	-	-	-	-	4.1	3.0	3.4
Sample4			3.4	3.4	3.5	3.1	2.6	2.6	-	-	-	-	3.5	2.6	3.1
Sample5			3.8	4.0	3.8	4.0	3.7	4.0	-	-	-	-	4.0	3.7	3.9
试验后		Sample1	5.3	4.3	4.0	3.8	3.8	4.2	-	-	-	-	5.3	3.8	4.2
		Sample2	4.7	4.8	5.1	4.5	4.4	5.2	-	-	-	-	5.2	4.4	4.8
		Sample3	5.1	4.1	3.9	3.8	4.4	4.9	-	-	-	-	5.1	3.8	4.4
		Sample4	4.7	4.6	5.4	4.9	5.1	4.9	-	-	-	-	5.4	4.6	4.9
		Sample5	4.1	4.4	4.3	4.0	4.1	3.9	-	-	-	-	4.4	3.9	4.1

仪器设备名称 Name of instrument equipment	 <p>数显测力计 Ergometer</p>	 <p>微欧计 Resistance Meter</p>
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检测结果

Test Result

报告编号:
Report No.

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表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	031-035	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.2.1	接触电阻 Contact resistance	插配阴阳连接器后,用小功率电路进行测试 Mate connectors with dry circuit to test contact resistance GB/T 5095.2 Method 2a / EIA-364-23B	031-035	接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
外观 Appearance	031-035	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

接触电阻 Contact resistance (单位:mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
	Sample1	2.8	2.9	3.2	3.2	3.4	3.0	-	-	-	-	3.4	2.8	3.1
	Sample2	3.5	3.7	2.9	3.8	3.4	3.0	-	-	-	-	3.8	2.9	3.4
	Sample3	3.2	3.0	2.9	2.8	2.7	3.2	-	-	-	-	3.2	2.7	3.0
	Sample4	3.5	3.3	2.9	3.9	2.7	2.8	-	-	-	-	3.9	2.7	3.2
	Sample5	3.9	4.1	4.1	3.5	3.5	4.1	-	-	-	-	4.1	3.5	3.9

仪器设备名称 Name of instrument equipment	 <p style="text-align: center;">微欧计 Resistance Meter</p>
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检 测 结 果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	031-035	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.2.2	绝缘电阻 Insulation resistance	在相邻接触件之间或地线之间,用500V DC电压进行测试 Apply a voltage of 500V DC between adjacent contacts and between contacts to ground. GB/T 5095.2 Method 3a / EIA-364-21C	031-035	500 MΩ Min. (Initial) 100 MΩ Min. (Final)	结果数据见下表	合格 Pass
6.2.3	耐电压 Withstand voltage	相邻接触件之间或地线之间施加500V AC (有效值),漏电流1mA的电压作用,时间1min. Apply a voltage of 500V AC (rms) and leakage current of 1mA between adjacent contacts or ground cables for 1 minute. GB/T 5095.2 Method 4a / EIA-364-20B	031-035	外观: 无击穿和飞弧现象 Appearance: no breakdown or flashover	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
外观 Appearance	无损伤 No damage	无损伤 No damage	无损伤 No damage	无损伤 No damage	无损伤 No damage	/	/	/
绝缘电阻 Insulation resistance (单位Unit:MΩ)	>500	>500	>500	>500	>500	/	/	/
耐电压 Withstand voltage	无损伤 No damage	无损伤 No damage	无损伤 No damage	无损伤 No damage	无损伤 No damage	/	/	/

仪器设备名称
Name of instrument
equipment



交直流绝缘耐压测试仪
DC/AC insulation and Dielectric Strength tester

检 测 结 果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion							
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	036-050	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass							
6.2.4	温升 Temperature rise	插入连接器, 通以最大允许电流, 测温度的差值 Mate connectors and measure the temperature rise of contact when the maximum AC rated current is passed. GB/T 5095.3 Method 5a / EIA-364-70A	036-050	$\Delta 30^{\circ}\text{C}$ Max.	结果数据见下表	合格 Pass							
检测结果或数值范围 Result of test or range of numerical value													
单位Unit: k													
极数No. of poles/电流 current	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
2极: 2A, AWG#26	11.3	11.6	11.0	10.8	11.3	-	-	-	-	-	11.6	10.8	19.1
10极: 2A, AWG#26	22.0	16.5	19.7	17.6	19.4	-	-	-	-	-	22.0	16.5	23.1
20极: 2A, AWG#26	28.6	26.7	24.6	27.6	27.8	-	-	-	-	-	28.6	24.6	27.1
仪器设备名称 Name of instrument equipment	 <p style="text-align: center;">多量程直流电源 Multi-Range DC Power Supply</p>												

检 测 结 果

Test Result

报告编号：
Report No.

202206035

表格编号：CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力：1.0以上 Eyesight: > 1.0 照明：(200~300) lx Lamp: (200~300) lx 目测距离：(0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	051-055	1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.1	耐高温 Heat resistance	连接器配合后，于(85±2)℃的空气中放置500小时，再回到室温中放置(1~2)小时测定 Mated connectors exposed to the condition of (85±2)℃ for 500 hours, recovery time (1~2) hours GB/T 5095.6 Method 11i / EIA-364-17B	051-055	外观：无损伤 Appearance: no damage. 接触电阻：20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg						
外观	试验前	051-055	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/					
	试验后	051-055	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/					
接触电阻 Contact resistance (单位 Unit:mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg	
	试验前	Sample1	3.4	3.3	2.8	3.3	3.3	3.6	-	-	-	-	3.6	2.8	3.3
		Sample2	3.5	3.3	3.2	3.3	3.2	3.9	-	-	-	-	3.9	3.2	3.4
		Sample3	3.7	3.2	2.8	3.6	2.9	4.1	-	-	-	-	4.1	2.8	3.4
		Sample4	3.4	3.0	2.8	3.4	2.9	3.3	-	-	-	-	3.4	2.8	3.1
		Sample5	3.0	3.4	3.0	3.1	2.8	4.1	-	-	-	-	4.1	2.8	3.2
	试验后	Sample1	3.7	3.4	2.6	3.4	3.5	3.6	-	-	-	-	3.7	2.6	3.4
		Sample2	3.6	3.5	3.2	3.7	3.4	4.3	-	-	-	-	4.3	3.2	3.6
		Sample3	3.9	3.4	3.0	3.5	3.2	3.9	-	-	-	-	3.9	3.0	3.5
		Sample4	3.4	3.0	2.6	3.6	2.9	3.7	-	-	-	-	3.7	2.6	3.2
Sample5		3.3	3.6	3.0	3.3	3.0	4.4	-	-	-	-	4.4	3.0	3.4	

仪器设备名称 Name of instrument equipment	 <p>高低温湿热试验箱 Temperature & Humidity Cycling Chamber</p>	 <p>微欧计 Resistance Meter</p>
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检 测 结 果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	056-060	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.2	耐低温 Cold resistance	连接器配合后, 于 (-40±2)°C 的空气中放置500小时, 再回到室温中放置 (1~2) 小时测定 Mated connectors exposed to the condition of (-40±2)°C for 500 hours, recovery time (1~2) hours GB/T 5095.6 Method 11j / EIA-364-17B	056-060	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg						
外观	试验前	056-060 无损伤 No damage.	056-060 无损伤 No damage.	056-060 无损伤 No damage.	056-060 无损伤 No damage.	056-060 无损伤 No damage.	/	/	/						
	试验后	056-060 无损伤 No damage.	056-060 无损伤 No damage.	056-060 无损伤 No damage.	056-060 无损伤 No damage.	056-060 无损伤 No damage.	/	/	/						
接触电阻 Contact resistance (单位:mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg	
	试验前	Sample1	4.7	3.7	3.6	3.9	3.3	4.4	-	-	-	-	4.7	3.3	3.9
		Sample2	3.2	3.7	3.1	3.4	3.0	3.7	-	-	-	-	3.7	3.0	3.4
		Sample3	3.2	3.0	2.6	2.8	2.7	3.6	-	-	-	-	3.6	2.6	3.0
		Sample4	3.6	4.2	2.9	3.3	3.5	4.4	-	-	-	-	4.4	2.9	3.7
		Sample5	3.1	2.8	3.1	3.0	3.8	3.6	-	-	-	-	3.8	2.8	3.2
	试验后	Sample1	4.9	4.3	4.0	4.6	3.6	4.5	-	-	-	-	4.9	3.6	4.3
		Sample2	3.8	3.8	4.1	4.0	3.3	4.0	-	-	-	-	4.1	3.3	3.8
		Sample3	3.4	3.4	2.7	3.1	2.9	3.5	-	-	-	-	3.5	2.7	3.2
		Sample4	3.7	4.9	3.4	2.7	3.8	4.8	-	-	-	-	4.9	2.7	3.9
Sample5		3.2	3.3	3.2	2.9	2.6	3.4	-	-	-	-	3.4	2.6	3.1	

仪器设备名称
Name of instrument
equipment



高低温湿热试验箱
Temperature & Humidity Cycling Chamber



微欧计
Resistance Meter

检测 结 果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	061-065	1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.3	恒定湿热 Humidity	温度 (40±2) °C, 相对湿度 (90~95) % 搁置时间500小时, 取出恢复 (1~2) 小时后检查。 Mated connectors exposed to the condition of temperature (40±2)°C, humidity (90~95)% for 500 hours, recovery time (1~2) hours GB/T 5095.6 Method 11c /EIA-364-31B	061-065	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max. 绝缘电阻: 100 MΩ Min. Insulation resistance: 100 MΩ Min.	结果数据见下表	合格

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg						
外观	试验前	061-065 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/						
	试验后	061-065 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/						
绝缘电阻 Insulation resistance (单位Unit:MΩ)	061-065	>100	>100	>100	>100	>100	/	/	/						
接触电阻 Contact resistance (单位 Unit:mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg	
	试验前	Sample1	3.6	3.5	3.0	3.3	3.0	3.8	-	-	-	-	3.8	3.0	3.4
		Sample2	3.4	3.3	4.3	3.1	3.3	3.8	-	-	-	-	4.3	3.1	3.5
		Sample3	3.4	3.1	3.1	3.2	3.6	3.5	-	-	-	-	3.6	3.1	3.3
		Sample4	3.7	4.0	3.7	3.1	3.1	3.7	-	-	-	-	4.0	3.1	3.6
		Sample5	3.9	3.6	3.5	3.2	3.5	3.0	-	-	-	-	3.9	3.0	3.5
	试验后	Sample1	4.7	4.1	3.4	3.9	3.5	5.5	-	-	-	-	5.5	3.4	4.2
		Sample2	4.0	3.2	3.3	3.5	4.6	4.2	-	-	-	-	4.6	3.2	3.8
		Sample3	3.8	3.9	3.5	4.0	3.3	4.7	-	-	-	-	4.7	3.3	3.9
		Sample4	4.3	4.6	3.2	3.7	3.5	4.3	-	-	-	-	4.6	3.2	3.9
Sample5		4.0	3.9	3.6	3.6	2.9	4.9	-	-	-	-	4.9	2.9	3.8	

检 测 结 果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

仪器设备名称
Name of instrument
equipment



高低温湿热试验箱
Temperature & Humidity Cycling
Chamber



交直流绝缘耐压测试仪
DC/AC insulation and Dielectric Strength tester



微欧计
Resistance Meter

检测结果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion									
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	066-070	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass									
6.3.4	温湿度循环 Humidity-Temperature cycling	将样品按照Fig.5预处理后, 执行每循环24小时的温湿度循环10次。前9循环任选5次执行含带低温的循环 (Fig.6), 其余4个循环执行不带低温的循环 (Fig.7)。最后一个循环为: 按Fig.7完成前16小时的放置后, 继续将产品保持在温度25°C、相对湿度 (93±3) % 的环境中3.5小时。 The temperature and humidity were cycled for 10 times for 24 hours per cycle after the samples were pretreated in accordance with Fig.5. 5 cycles of the first 9 cycles are selected to execute the cycle with low temperature (Fig.6), and the remaining 4 cycles were performed without low temperature (Fig.7). The final cycle as follows :after performing the first 16 hours as shown in Fig.7, the sample was placed in an environment with a temperature of 25°C and a relative humidity of (93±3) % for 3.5 hours IEC 68-2-38	066-070	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max. 绝缘电阻: 100 MΩ Min. Insulation resistance: 100 MΩ Min.	结果数据见下表	合格									
检测结果或数值范围 Result of test or range of numerical value															
项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg						
外观	试验前	066-070	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/					
	试验后	066-070	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/					
绝缘电阻 Insulation resistance (单位Unit:MΩ)	066-070	>100	>100	>100	>100	>100	/	/	/						
接触电阻 Contact resistance (单位Unit:mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg	
	试验前	Sample1	3.4	3.3	3.2	3.2	3.0	3.6	-	-	-	-	3.6	3.0	3.3
		Sample2	3.5	3.4	3.2	3.1	3.0	3.9	-	-	-	-	3.9	3.0	3.4
		Sample3	2.8	2.9	2.9	2.8	3.5	3.7	-	-	-	-	3.7	2.8	3.1
		Sample4	3.6	3.1	3.5		3.3	3.1	-	-	-	-	3.6	3.1	3.3
		Sample5	3.7	3.8	3.2	3.4	3.6	4.3	-	-	-	-	4.3	3.2	3.7
	试验后	Sample1	4.3	3.7	3.7	3.6	3.3	4.4	-	-	-	-	4.4	3.3	3.8
		Sample2	4.2	4.6	3.6	3.8	3.5	4.9	-	-	-	-	4.9	3.5	4.1
		Sample3	3.3	3.6	3.6	3.1	3.3	4.3	-	-	-	-	4.3	3.1	3.5
		Sample4	4.3	4.1	3.2	3.3	3.2	4.1	-	-	-	-	4.3	3.2	3.7
Sample5		5.0	4.7	4.7	4.2	3.9	5.2	-	-	-	-	5.2	3.9	4.6	

检 测 结 果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

仪器设备名称
Name of instrument
equipment



温度-湿度-振动综合环境试验箱
Temperature & Humidity Cycling &Vibration
Chamber



交直流绝缘耐压测试仪
DC/AC insulation and Dielectric Strength tester



微欧计
Resistance Meter

检测结果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	071-075	1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.5	温度循环 Temperature cycling	把试验样品分别放入高、低温试验箱中,按下列步骤调试温度: a) 在(-55±2)°C的恒温条件下放置0.5小时; b) 在(85±2)°C的恒温条件下放置0.5小时; 从a)到b)为一个循环,周期温度转换时间应不大于5分钟,共进行500个循环,恢复(1~2)小时后检查 Mated connectors shall be tested under the following conditions Temperature °C Duration 1 -55±2 0.5h 2 Room Temp. 5 minutes Max 3 +85±2 0.5h 4 Room Temp. 5 minutes Max. Step 1 to 4 is one cycle,500 cycles shall be tested, recovery time (1~2) hours GB/T 5095.6 method 11d / EIA-364-32C	071-075	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg						
外观	试验前	071-075 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/						
	试验后	071-075 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/						
接触电阻 Contact resistance (单位: mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg	
	试验前	Sample1	2.9	3.9	2.9	2.7	3.4	3.3	-	-	-	-	3.9	2.7	3.2
		Sample2	2.9	3.5	3.7	3.3	3.6	3.6	-	-	-	-	3.7	2.9	3.4
		Sample3	3.3	4.4	4.0	3.6	3.9	3.4	-	-	-	-	4.4	3.3	3.8
		Sample4	3.3	3.3	3.2	3.5	3.1	3.2	-	-	-	-	3.5	3.1	3.3
		Sample5	4.3	3.3	3.7	4.0	3.9	4.1	-	-	-	-	4.3	3.3	3.9
	试验后	Sample1	4.2	4.7	3.8	4.8	4.0	4.7	-	-	-	-	4.8	3.8	4.4
		Sample2	4.0	4.2	4.5	4.3	3.4	4.5	-	-	-	-	4.5	3.4	4.2
		Sample3	3.7	3.9	3.4	4.3	4.3	5.0	-	-	-	-	5.0	3.4	4.1
		Sample4	3.7	4.5	3.6	4.6	3.9	4.1	-	-	-	-	4.6	3.6	4.1
Sample5		5.3	5.2	5.1	4.4	5.0	5.2	-	-	-	-	5.3	4.4	5.0	

检测结果 Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

仪器设备名称
Name of instrument
equipment



温度-湿度-振动综合环境试验箱
Temperature & Humidity Cycling &Vibration Chamber



微欧计
Resistance Meter

检测 结 果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	076-080	1 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.6	盐雾 Salt spray	把试验样品从试验箱顶悬挂下来, 采用浓度为(5±1)%(质量百分比)的氯化钠溶液, 在(35±2)°C温度下连续雾化48小时, 试验后用流动的蒸馏水轻轻洗去表面沉积物。在常温常湿条件下恢复(1~2)小时 48 hours spray, at temp (35±2)°C, NaCl mist concentration (5±1)%. After test wash parts and put it into room ambient for (1~2) hours GB/T 5095.6 Method 11f /EIA-364-26B	076-080	外观: 无损伤(五金件应无露出底金属的严重锈蚀;使用预镀好的型材, 其落料面允许有不影响其性能的轻微腐蚀。) Appearance: no damage (no erosion on material exposed. and plating material. slight erosion on the cutting surface is acceptable) 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg						
外观 Appearance	试验前	076-080 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/						
	试验后	076-080 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/						
接触电阻 Contact resistance (单位 Unit:mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg	
	试验前	Sample1	3.8	3.9	3.5	3.6	3.4	3.2	-	-	-	-	3.9	3.2	3.6
		Sample2	3.5	3.3	4.2	3.2	3.2	3.4	-	-	-	-	4.2	3.2	3.5
		Sample3	3.7	3.4	3.1	4.1	3.3	3.6	-	-	-	-	4.1	3.1	3.5
		Sample4	3.5	3.8	3.6	4.0	3.5	3.2	-	-	-	-	4.0	3.2	3.6
		Sample5	3.5	3.8	3.1	3.9	3.7	3.5	-	-	-	-	3.9	3.1	3.6
	试验后	Sample1	5.1	5.1	5.1	4.7	3.9	4.1	-	-	-	-	5.1	3.9	4.7
		Sample2	4.9	4.3	5.2	4.5	5.0	3.9	-	-	-	-	5.2	3.9	4.6
		Sample3	5.0	4.7	5.1	4.3	5.2	4.2	-	-	-	-	5.2	4.2	4.8
		Sample4	5.2	4.9	5.0	4.8	4.8	4.2	-	-	-	-	5.2	4.2	4.8
Sample5		4.1	4.2	4.3	4.6	4.2	4.1	-	-	-	-	4.6	4.1	4.3	

仪器设备名称
Name of instrument
equipment



盐雾腐蚀箱
Salt spray Chamber



微欧计
Resistance Meter

检测结果

Test Result

报告编号:
Report No.

202206035



表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	081-085	1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.7	硫化氢气体测试 (H2S gas test)	连接器配合后, 在温度 (40±3) °C、湿度 75%、H2S 气体浓度为 3ppm 的环境中放置 240 小时 Mated connectors exposed to the condition of temperature (40±3)°C, humidity 75%, H2S gas concentration of 3ppm for 240 hours	081-085	接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample		Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
外观 Appearance	试验前	081-085	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
	试验后	081-085	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

接触电阻 Contact resistance (单位 Unit:mΩ)	Sample		No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
		试验前	Sample1	3.9	3.9	2.8	3.2	4.0	2.6	-	-	-	-	4.0	2.6
Sample2			2.9	3.0	3.3	3.8	3.3	2.4	-	-	-	-	3.8	2.4	3.1
Sample3			3.5	2.5	3.9	3.0	4.0	3.3	-	-	-	-	4.0	2.5	3.4
Sample4			3.0	3.2	4.2	3.0	4.1	2.7	-	-	-	-	4.2	2.7	3.4
Sample5			3.7	2.6	3.6	3.5	3.6	4.2	-	-	-	-	4.2	2.6	3.5
试验后		Sample1	3.9	4.2	4.7	5.0	4.3	4.2	-	-	-	-	5.0	3.9	4.4
		Sample2	4.8	4.6	4.1	4.6	4.4	4.6	-	-	-	-	4.8	4.1	4.5
		Sample3	4.4	4.7	4.5	4.9	4.7	4.7	-	-	-	-	4.9	4.4	4.7
		Sample4	4.3	5.2	5.5	4.7	4.5	4.4	-	-	-	-	5.5	4.3	4.8
		Sample5	4.1	4.3	4.9	4.8	5.2	4.0	-	-	-	-	5.2	4.0	4.6

仪器设备名称 Name of instrument equipment	Image	Caption
		气体腐蚀试验箱 Gas Corrosion Test Chamber
		微欧计 Resistance Meter

检测结果

Test Result

报告编号:
Report No.

202206035



表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	086-090	1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.8	工业气体 (SO ₂) Industrial gas (SO ₂)	连接器配合后, 在温度(35±2)°C、湿度95%、SO ₂ 气体浓度为10±3ppm的环境中放置240小时。 Mated connectors exposed to the condition of temperature (35±2)°C, humidity 95%, SO ₂ gas concentration of 10±3ppm for 240 hours	086-090	接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg	
外观 Appearance	试验前	086-090	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
	试验后	086-090	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

接触电阻 Contact resistance (单位 Unit:mΩ)	Sample		No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
		试验前	Sample1	3.8	3.3	3.3	4.1	3.6	3.5	-	-	-	-	4.1	3.3
Sample2			3.0	3.5	3.8	3.7	3.4	3.0	-	-	-	-	3.8	3.0	3.4
Sample3			3.2	3.3	3.1	3.3	3.5	3.7	-	-	-	-	3.7	3.1	3.4
Sample4			4.1	3.5	3.3	3.8	3.6	3.4	-	-	-	-	4.1	3.3	3.6
Sample5			3.3	3.7	3.8	3.3	3.2	4.1	-	-	-	-	4.1	3.2	3.6
试验后		Sample1	5.2	5.0	5.6	4.3	4.5	4.8	-	-	-	-	5.6	4.3	4.9
		Sample2	4.3	4.3	4.5	5.2	5.2	5.0	-	-	-	-	5.2	4.3	4.8
		Sample3	4.5	4.1	4.0	4.8	4.6	4.3	-	-	-	-	4.8	4.0	4.4
		Sample4	5.3	5.1	5.0	4.4	4.8	3.8	-	-	-	-	5.3	3.8	4.7
		Sample5	4.8	4.2	3.9	5.1	4.2	4.8	-	-	-	-	5.1	3.9	4.5

仪器设备名称 Name of instrument equipment	 <p>气体腐蚀试验箱 Gas Corrosion Test Chamber</p>	 <p>微欧计 Resistance Meter</p>
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检测 结 果

Test Result

报告编号:
Report No.

202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	091-095	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.9	耐溶剂性 Resistance to solvent	常温下, 未插合的连接器在异丙醇 (isopropyl alcohol) 中浸泡90秒。 Unmated connector (isopropyl alcohol) immerse in solvent normal temperature 90 seconds	091-095	连接器应无对连接功能不利的溶化或变色。 Connector shall be free from fusion and discoloration that detrimental to connector function	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample		Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
外观 Appearance	试验前	091-095	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
	试验后	091-095	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

仪器设备名称 Name of instrument equipment	 <p>器皿 Ware</p>
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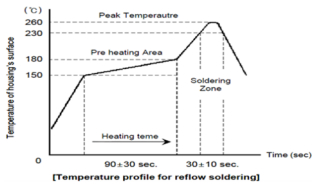
检测 结 果

Test Result

报告编号:
Report No.

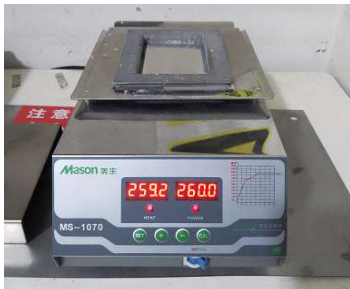


202206035

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	096-110	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.10	可焊性 Solderability	把试验样品需要焊接的部位浸入焊锡炉中, 锡炉温度 (245±3) °C, 时间 (3±0.5) 秒 Dip solder tails into the molten solder held at (245±3) °C for (3±0.5) seconds EIA-364-52	096-100	上锡率: 100%: Solder coverage: 100%	结果数据见下表	合格 Pass
6.3.11	耐焊接热 Resistance to soldering heat	TJC1507-2×nABD&TJC1507-nABD&TJC1507-nADK&TJC1507-nAWJK满足手工焊接条件: 温度(350±10)°C, 时间(2~4)秒。 TJC1507-2×nABD&TJC1507-nABD&TJC1507-nADK&TJC1507-nAWJK should meet the manual welding conditions: temperature (350±10)°C, time (2~4) seconds. TJC1507-2×nABD&TJC1507-nABD满足Fig.8的回流焊条件。 TJC1507-2×nABD&TJC1507-nABD should meet the reflow conditions in Fig.8. 	101-110	外观: 无损伤 Appearance: no damage.	结果数据见下表	合格 Pass

检测结果或数值范围
Result of test or range of numerical value

项目 Item	Sample1	Sample2	Sample3	Sample4	Sample5
可焊性 Solderability	100%	100%	100%	100%	100%
耐焊接热 Resistance to soldering heat	回流焊形式 Reflow type	无损伤 no damage.	无损伤 no damage.	无损伤 no damage.	无损伤 no damage.
	手工焊接 Manual soldering	无损伤 no damage.	无损伤 no damage.	无损伤 no damage.	无损伤 no damage.

仪器设备名称 Name of instrument equipment	 焊锡炉 Solder Tester	 电烙铁 Electric Soldering	 回流焊机 reflow soldering
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