

# 检测报告

## Test Report

|                            |                                     |
|----------------------------|-------------------------------------|
| 报告编号:<br>Report No:        | 202203023                           |
| 委托单位:<br>Requester:        | 品管部<br>Quality Assurance Department |
| 样品名称:<br>Samole Name:      | 连接器<br>Connector                    |
| 型号:<br>Part No:            | TJC3                                |
| 曾用型号:<br>Previous part No: | TJC3                                |
| 收样日期:<br>Date of Receipt:  | 2022/3/2                            |
| 检测周期:<br>Test periods:     | 2022/03/02~2022/03/02               |
| 检测结论:<br>Test result:      | 合格<br>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: 2022/3/31  
Issued Date of the report: 2022/3/31



# 检测报告

## Test Report

报告编号:  
Report No.  
版号: A

202203023

修订号: 1

表格编号: CWBDZ-QR-QC-123

|                        |   |  |  |
|------------------------|---|--|--|
| 样品名称<br>Sample Name    | 连接器<br>Connector  | 型号:<br>Part No:                          | TJC3                                       |
| 生产单位<br>Manufacturer   | 浙江合兴电子元件有限公司<br>CWB Electronics(Zhejiang) CO.,LTD.  | 曾用型号:<br>Previous part No.:              | TJC3                                       |
| 生产方地址<br>Producer Add. | 浙江省乐清市虹桥镇幸福东路1098号<br>No.1098,East Xingfu Road,Hongqiao, Yueqing,Zhejiang   | 收样日期:<br>Date of Receipt:                | 2022/3/2                                   |
| 样品数量<br>Sample Qty.    | 85pcs   | 检测周期<br>Test Periods                     | 2022/03/02~2022/03/02                      |
| 检测地点<br>Test Location  | <input checked="" type="checkbox"/> 温州地区  | <input checked="" type="checkbox"/> 太仓地区 | 检测环境<br>Test Conditions<br>23.7°C, 54.3%RH |
| 样品状态<br>Sample State   | 检测前样品外观无损伤.<br>No Damage on surface of test sample in front of test.  |  |  |
| 检测依据<br>Tested Basis   | 按规格书(PS4115)进行检测及判定, 每组试验顺序见规格书第7项矩阵表<br>Test According to product specification PS4115.The test sequence of each group is shown in the matrix table in item 7 of the specification |  |  |

检测仪器:

Test instrument:

| 序号<br>No. | 仪器名称<br>Instrument Name                                       | 设备编号<br>Instrument No. | 计量有效期<br>Valid date to |
|-----------|---|------------------------|------------------------|
| 1         | 微欧计<br>Resistance Meter                                       | CWB-EG1396             | 2023/1/30              |
| 2         | 数显测力计<br>Ergometer  | SY-FC030               | 2022/11/30             |
| 3         | 万能拉力试验机<br>Universal tensile testing machine                  | SY-FG024               | 2022/7/30              |
| 4         | 高低温湿热试验箱<br>Temperature & Humidity Cycling Chamber            | SY-TA114               | 2022/6/30              |
| 5         | 高低温湿热试验箱<br>Temperature & Humidity Cycling Chamber            | SY-TA015               | 2022/8/30              |
| 6         | 高低温湿热试验箱<br>Temperature & Humidity Cycling Chamber            | SY-TA117               | 2023/2/28              |
| 7         | 温度冲击试验箱<br>Temperature & Humidity Cycling & Vibration Chamber | SY-TA109               | 2022/6/30              |
| 8         | 盐雾腐蚀试验箱<br>Salt spray Chamber                                 | SY-Z011                | 2022/7/30              |
| 9         | 数据采集器<br>Data Acquisition Unit                                | SY-TA106               | 2023/4/30              |
| 10        | 多量程直流电源<br>Multi range DC power supply                        | SY-EG014               | 2022/6/30              |
| 11        | 电动振动台<br>Electric vibration table                             | TC-FG018               | 2022/7/30              |
| 12        | 落体式冲击试验台<br>Fall concussion test-beds                         | TC-FG023               | 2022/7/30              |
| 13        | 瞬断仪<br>Transient breaking instrument                          | TC-EG142               | 2022/12/30             |
| 14        | 智能交直流耐压绝缘测试仪<br>Aptitude AC/DC Voltage resistance             | SY-EG062               | 2022/6/30              |

声明

- 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。
- 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。
- 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

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No.   | 检测项目<br>Item  | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |      |      |      |
|---|---|---|--------------------|---|---------------------|------------------|------|------|------|
| 6.1.1   | 外观<br>Appearance  | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>   | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |      |      |      |
| 6.1.2   | 端子插入力与固定力<br>Insertion force and retention force for contact  | 应测量将端子沿轴线方向插入孔座和拔出孔座的力, 测试速度不大于25 mm/min。<br>The force of inserting and pulling the contact into and out of the housing along the axis shall be measured (Testing speed: <25 mm/min.)<br><b>GB/T 5095.8 Method 15d / EIA-364-29B</b><br> | 001~005            | 插入力<br>Insertion force Max: 10N<br>固定力 (不带锁紧片测试)<br>Retention force (Test without locking plate) Min: 25N   | 结果数据见下表             | 合格<br>Pass       |      |      |      |
| 检测结果或数值范围<br>Result of test or range of numerical value |   |   |                    |   |                     |                  |      |      |      |
| 单位Unit: N   |   |   |                    |   |                     |                  |      |      |      |
| 项目<br>Item  | Sample1   | Sample2   | Sample3            | Sample4   | Sample5             | Max              | Min  | Avg  |      |
| 外观<br>Appearance  | 无损伤<br>No damage.   | 无损伤<br>No damage.   | 无损伤<br>No damage.  | 无损伤<br>No damage.   | 无损伤<br>No damage.   | /                | /    | /    |      |
| 插簧<br>Contact   | 插入力<br>(Insertion)<br>Max   | 4.0   | 4.5                | 4.7   | 4.2                 | 4.5              | 4.7  | 4.0  | 4.4  |
|   | 固定力<br>(Retention)<br>Min   | 37.0  | 36.6               | 33.8  | 37.2                | 38.5             | 38.5 | 33.8 | 36.6 |
| 仪器设备名称<br>Name of instrument equipment                  | <br>数显测力计<br>Ergometer |   |                    |   |                     |                  |      |      |      |

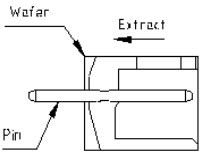
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|-----------|-------------------------------|--|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance              | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>  | 006~010            | 1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.1.3     | 针的固定力<br>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, 测试速度不大于25 mm/min。<br>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.)<br><b>GB/T 5095.8 Method 15a / EIA-364-29B</b><br> | 006~010            | TJC3-nAT: 25N Min<br>Other: 10N Min   | 结果数据见下表             | 合格<br>Pass       |

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

| 项目<br>Item                                | Sample  | No.1 | No.2 | No.3 | No.4 | No.5 | No.6 | No.7 | No.8 | No.9 | No.10 | Max  | Min  | Avg  |
|---|---------|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 针的固定力<br>Post retention force (单位 Unit:N) | Sample1 | 36.4 | 42.6 | 39.9 | 39.4 | 35.7 | 37.0 | 38.5 | 41.4 | 37.4 | 41.8  | 42.6 | 35.7 | 39.0 |
|   | Sample2 | 39.0 | 38.7 | 39.4 | 41.8 | 40.6 | 39.5 | 38.5 | 41.4 | 39.2 | 40.5  | 41.8 | 38.5 | 39.9 |
|   | Sample3 | 38.9 | 38.4 | 37.2 | 37.8 | 41.0 | 42.2 | 40.9 | 37.4 | 39.1 | 35.8  | 42.2 | 35.8 | 38.9 |
|   | Sample4 | 38.7 | 41.2 | 37.6 | 39.1 | 41.5 | 39.9 | 40.3 | 37.6 | 41.8 | 41.6  | 41.8 | 37.6 | 39.9 |
|   | Sample5 | 40.5 | 37.3 | 40.5 | 37.3 | 39.9 | 36.4 | 41.1 | 41.9 | 37.6 | 42.3  | 42.3 | 36.4 | 39.5 |

仪器设备名称  
Name of instrument equipment



万能拉力试验机  
Universal tensile testing machine


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|---|--|--|--------------------|---|---------------------|------------------|-----|-----|
| 6.1.1   | 外观<br>Appearance   | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>  | 006~010            | 1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |     |     |
| 6.1.4   | 插簧与插针的插拔力<br>Insertion and withdrawal force for pin in the contact   | 固定连接器和/或测力计, 在端子轴线方向将插针插入和拔出插簧, 测试速度不大于25 mm/min。<br>Insert the pin contact into and pull out the socket contact in the direction of the terminal axis (Testing speed: <25 mm/min.)<br><b>GB/T 5095.7 Method 13b / EIA-364-13B</b> | 006~010            | 插入力<br>(Insertion force) Max: 9.8N<br>拔出力<br>(Withdrawal force) Min: 0.2N   | 结果数据见下表             | 合格<br>Pass       |     |     |
| 检测结果或数值范围<br>Result of test or range of numerical value |  |  |                    |   |                     |                  |     |     |
| 单位Unit: N   |  |  |                    |   |                     |                  |     |     |
| 项目<br>Item  | Sample1  | Sample2  | Sample3            | Sample4   | Sample5             | Max              | Min | Avg |
| 外观<br>Appearance  | 无损伤<br>No damage.  | 无损伤<br>No damage.  | 无损伤<br>No damage.  | 无损伤<br>No damage.   | 无损伤<br>No damage.   | /                | /   | /   |
| 插入力<br>(Insertion) Max                                  | 5.4  | 3.8  | 4.5                | 5.1   | 4.7                 | 5.4              | 3.8 | 4.7 |
| 拔出力<br>(Withdrawal) Min                                 | 3.8  | 3.7  | 3.8                | 3.6   | 3.8                 | 3.8              | 3.6 | 3.7 |
| 仪器设备名称<br>Name of instrument equipment                  |  <p style="text-align: center;">数显测力计<br/>Ergometer</p> |  |                    |   |                     |                  |     |     |

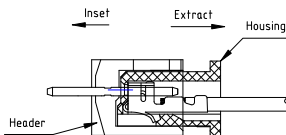
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|---|--|---|---|--|---------------------------|--|------|---|------|----------------------|----------------------|------------------------|------------------------|-----------------|--------------------|-------------------|-------------------|--|-----------------|---------------------|-------------------|-------------------|--|-----------------|--------------------|--------------------|-------------------|--|-----------------|--------------------|--------------------|-------------------|--|-----------------|--------------------|--------------------|-------------------|--|-----------------|--------------------|--------------------|-------------------|--|-----------------|--------------------|--------------------|--------------------|--|-----------------|--------------------|--------------------|--------------------|--|------------------|--------------------|--------------------|--------------------|--|------------------|--------------------|--------------------|--------------------|--|------------------|--------------------|--------------------|--------------------|--|------------------|--------------------|--------------------|--------------------|--|------------------|--------------------|--------------------|--------------------|--|------------------|--------------------|--------------------|--------------------|--|------------------|--------------------|--------------------|--------------------|--|---------|------------|
| 6.1.1   | 外观<br>Appearance                                       | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>   | 011~020   | 1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.  | 合格<br>Pass                | 合格<br>Pass   |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 6.1.5   | 成品插入力与拔出力<br>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、首次拔出力及第50次拔出力, 测试速度不大于25 mm/min。<br>A housing with crimped contacts and a header shall be mated and unmated on the mating axis. Initial insertion and withdrawal forces and withdrawal force at 50th shall be measured. (Testing speed: <25 mm/min.)<br><b>GB/T 5095.7 Method 13b / EIA-364-13B</b><br> | 011~020   | <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th rowspan="2">No. of Poles<sup>o</sup></th> <th colspan="2">插入力(最大值)<sup>o</sup><br/>Insertion (Max.)<sup>o</sup></th> <th colspan="2">拔出力(最小值)<sup>o</sup><br/>Withdrawal (Min.)<sup>o</sup></th> </tr> <tr> <th>初次 1st.<sup>o</sup></th> <th>初次 1st.<sup>o</sup></th> <th>第五次 50st.<sup>o</sup></th> <th>第五次 50st.<sup>o</sup></th> </tr> </thead> <tbody> <tr><td>2P<sup>o</sup></td><td>29.4N<sup>o</sup></td><td>7.8N<sup>o</sup></td><td>5.9N<sup>o</sup></td><td></td></tr> <tr><td>3P<sup>o</sup></td><td>34.3 N<sup>o</sup></td><td>9.8N<sup>o</sup></td><td>7.8N<sup>o</sup></td><td></td></tr> <tr><td>4P<sup>o</sup></td><td>39.2N<sup>o</sup></td><td>11.8N<sup>o</sup></td><td>8.8N<sup>o</sup></td><td></td></tr> <tr><td>5P<sup>o</sup></td><td>44.1N<sup>o</sup></td><td>11.8N<sup>o</sup></td><td>8.8N<sup>o</sup></td><td></td></tr> <tr><td>6P<sup>o</sup></td><td>49.0N<sup>o</sup></td><td>13.7N<sup>o</sup></td><td>9.8N<sup>o</sup></td><td></td></tr> <tr><td>7P<sup>o</sup></td><td>53.9N<sup>o</sup></td><td>13.7N<sup>o</sup></td><td>9.8N<sup>o</sup></td><td></td></tr> <tr><td>8P<sup>o</sup></td><td>58.8N<sup>o</sup></td><td>15.7N<sup>o</sup></td><td>11.8N<sup>o</sup></td><td></td></tr> <tr><td>9P<sup>o</sup></td><td>63.7N<sup>o</sup></td><td>15.7N<sup>o</sup></td><td>11.8N<sup>o</sup></td><td></td></tr> <tr><td>10P<sup>o</sup></td><td>68.6N<sup>o</sup></td><td>17.6N<sup>o</sup></td><td>13.7N<sup>o</sup></td><td></td></tr> <tr><td>11P<sup>o</sup></td><td>73.5N<sup>o</sup></td><td>17.6N<sup>o</sup></td><td>13.7N<sup>o</sup></td><td></td></tr> <tr><td>12P<sup>o</sup></td><td>78.4N<sup>o</sup></td><td>19.6N<sup>o</sup></td><td>15.7N<sup>o</sup></td><td></td></tr> <tr><td>13P<sup>o</sup></td><td>83.3N<sup>o</sup></td><td>19.6N<sup>o</sup></td><td>15.7N<sup>o</sup></td><td></td></tr> <tr><td>14P<sup>o</sup></td><td>88.2N<sup>o</sup></td><td>21.6N<sup>o</sup></td><td>17.6N<sup>o</sup></td><td></td></tr> <tr><td>15P<sup>o</sup></td><td>93.1N<sup>o</sup></td><td>23.5N<sup>o</sup></td><td>19.6N<sup>o</sup></td><td></td></tr> <tr><td>16P<sup>o</sup></td><td>98.0N<sup>o</sup></td><td>23.5N<sup>o</sup></td><td>19.6N<sup>o</sup></td><td></td></tr> </tbody> </table> | No. of Poles <sup>o</sup> | 插入力(最大值) <sup>o</sup><br>Insertion (Max.) <sup>o</sup> |      | 拔出力(最小值) <sup>o</sup><br>Withdrawal (Min.) <sup>o</sup> |      | 初次 1st. <sup>o</sup> | 初次 1st. <sup>o</sup> | 第五次 50st. <sup>o</sup> | 第五次 50st. <sup>o</sup> | 2P <sup>o</sup> | 29.4N <sup>o</sup> | 7.8N <sup>o</sup> | 5.9N <sup>o</sup> |  | 3P <sup>o</sup> | 34.3 N <sup>o</sup> | 9.8N <sup>o</sup> | 7.8N <sup>o</sup> |  | 4P <sup>o</sup> | 39.2N <sup>o</sup> | 11.8N <sup>o</sup> | 8.8N <sup>o</sup> |  | 5P <sup>o</sup> | 44.1N <sup>o</sup> | 11.8N <sup>o</sup> | 8.8N <sup>o</sup> |  | 6P <sup>o</sup> | 49.0N <sup>o</sup> | 13.7N <sup>o</sup> | 9.8N <sup>o</sup> |  | 7P <sup>o</sup> | 53.9N <sup>o</sup> | 13.7N <sup>o</sup> | 9.8N <sup>o</sup> |  | 8P <sup>o</sup> | 58.8N <sup>o</sup> | 15.7N <sup>o</sup> | 11.8N <sup>o</sup> |  | 9P <sup>o</sup> | 63.7N <sup>o</sup> | 15.7N <sup>o</sup> | 11.8N <sup>o</sup> |  | 10P <sup>o</sup> | 68.6N <sup>o</sup> | 17.6N <sup>o</sup> | 13.7N <sup>o</sup> |  | 11P <sup>o</sup> | 73.5N <sup>o</sup> | 17.6N <sup>o</sup> | 13.7N <sup>o</sup> |  | 12P <sup>o</sup> | 78.4N <sup>o</sup> | 19.6N <sup>o</sup> | 15.7N <sup>o</sup> |  | 13P <sup>o</sup> | 83.3N <sup>o</sup> | 19.6N <sup>o</sup> | 15.7N <sup>o</sup> |  | 14P <sup>o</sup> | 88.2N <sup>o</sup> | 21.6N <sup>o</sup> | 17.6N <sup>o</sup> |  | 15P <sup>o</sup> | 93.1N <sup>o</sup> | 23.5N <sup>o</sup> | 19.6N <sup>o</sup> |  | 16P <sup>o</sup> | 98.0N <sup>o</sup> | 23.5N <sup>o</sup> | 19.6N <sup>o</sup> |  | 结果数据见下表 | 合格<br>Pass |
| No. of Poles <sup>o</sup>                               | 插入力(最大值) <sup>o</sup><br>Insertion (Max.) <sup>o</sup> |   | 拔出力(最小值) <sup>o</sup><br>Withdrawal (Min.) <sup>o</sup> |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
|   | 初次 1st. <sup>o</sup>                                   | 初次 1st. <sup>o</sup>  | 第五次 50st. <sup>o</sup>                                  | 第五次 50st. <sup>o</sup>   |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 2P <sup>o</sup>   | 29.4N <sup>o</sup>                                     | 7.8N <sup>o</sup>   | 5.9N <sup>o</sup>                                       |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 3P <sup>o</sup>   | 34.3 N <sup>o</sup>                                    | 9.8N <sup>o</sup>   | 7.8N <sup>o</sup>                                       |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 4P <sup>o</sup>   | 39.2N <sup>o</sup>                                     | 11.8N <sup>o</sup>  | 8.8N <sup>o</sup>                                       |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 5P <sup>o</sup>   | 44.1N <sup>o</sup>                                     | 11.8N <sup>o</sup>  | 8.8N <sup>o</sup>                                       |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 6P <sup>o</sup>   | 49.0N <sup>o</sup>                                     | 13.7N <sup>o</sup>  | 9.8N <sup>o</sup>                                       |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 7P <sup>o</sup>   | 53.9N <sup>o</sup>                                     | 13.7N <sup>o</sup>  | 9.8N <sup>o</sup>                                       |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 8P <sup>o</sup>   | 58.8N <sup>o</sup>                                     | 15.7N <sup>o</sup>  | 11.8N <sup>o</sup>                                      |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 9P <sup>o</sup>   | 63.7N <sup>o</sup>                                     | 15.7N <sup>o</sup>  | 11.8N <sup>o</sup>                                      |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 10P <sup>o</sup>  | 68.6N <sup>o</sup>                                     | 17.6N <sup>o</sup>  | 13.7N <sup>o</sup>                                      |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 11P <sup>o</sup>  | 73.5N <sup>o</sup>                                     | 17.6N <sup>o</sup>  | 13.7N <sup>o</sup>                                      |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 12P <sup>o</sup>  | 78.4N <sup>o</sup>                                     | 19.6N <sup>o</sup>  | 15.7N <sup>o</sup>                                      |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 13P <sup>o</sup>  | 83.3N <sup>o</sup>                                     | 19.6N <sup>o</sup>  | 15.7N <sup>o</sup>                                      |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 14P <sup>o</sup>  | 88.2N <sup>o</sup>                                     | 21.6N <sup>o</sup>  | 17.6N <sup>o</sup>                                      |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 15P <sup>o</sup>  | 93.1N <sup>o</sup>                                     | 23.5N <sup>o</sup>  | 19.6N <sup>o</sup>                                      |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 16P <sup>o</sup>  | 98.0N <sup>o</sup>                                     | 23.5N <sup>o</sup>  | 19.6N <sup>o</sup>                                      |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 检测结果或数值范围<br>Result of test or range of numerical value |  |   |   |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 单位Unit: N   |  |   |   |  |                           |  |      |   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 项目<br>Item  | Sample1  | Sample2   | Sample3   | Sample4  | Sample5                   | Max  | Min  | Avg   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 外观<br>Appearance  | 无损伤<br>No damage.                                      | 无损伤<br>No damage.   | 无损伤<br>No damage.                                       | 无损伤<br>No damage.  | 无损伤<br>No damage.         | /  | /    | /   |      |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 2Pin  | 首次插入力<br>Insertion 1st(Max)                            | 12.7  | 14.8  | 13.8   | 11.4                      | 13.2   | 14.8 | 11.4  | 13.2 |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
|   | 首次拔出力<br>Retention1st(Min)                             | 15.9  | 14.7  | 15.0   | 13.9                      | 13.2   | 15.9 | 13.2  | 14.5 |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
|   | 第50次拔出力<br>Retention50st(Min)                          | 11.5  | 8.9   | 9.6  | 9.9                       | 10.4   | 11.5 | 8.9   | 10.1 |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
| 10Pin   | 首次插入力<br>Insertion 1st(Max)                            | 50.6  | 45.5  | 50.2   | 46.8                      | 45.5   | 50.6 | 45.5  | 47.7 |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
|   | 首次拔出力<br>Retention1st(Min)                             | 59.1  | 60.2  | 57.7   | 53.2                      | 56.4   | 60.2 | 53.2  | 57.3 |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |
|   | 第50次拔出力<br>Retention50st(Min)                          | 40.1  | 37.4  | 42.3   | 35.8                      | 42.1   | 42.3 | 35.8  | 39.5 |                      |                      |                        |                        |                 |                    |                   |                   |  |                 |                     |                   |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                   |  |                 |                    |                    |                    |  |                 |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |                  |                    |                    |                    |  |         |            |

# 检 测 结 果

## Test Result

报告编号：  
Report No.

202203023

表格编号：CWBDZ-QR-QC-123

|  |  |
|--|--|
| <p>仪器设备名称<br/>Name of instrument<br/>equipment</p> |  <p>万能拉力试验机<br/>Universal tensile testing machine</p> |
|--|--|


# 检测 结 果

## Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No.   | 检测项目<br>Item                       | 检测条件或方法<br>Condition & Method  | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |      |      |      |
|---|------------------------------------|--|--------------------|---|---------------------|------------------|------|------|------|
| 6.1.1   | 外观<br>Appearance                   | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>  | 006~010            | 1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |      |      |      |
| 6.1.7   | 压着部位抗张强度<br>Crimp tensile strength | 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, 测试速度不大于25 mm/min。<br>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: <25 mm/min.)<br><b>GB/T5095.8 Method 16d / EIA-364-08B</b> | 006~010            | AWG#22: 40N Min.  | 结果数据见下表             | 合格<br>Pass       |      |      |      |
| 检测结果或数值范围<br>Result of test or range of numerical value |                                    |  |                    |   |                     |                  |      |      |      |
| 项目<br>Item  |                                    | Sample1  | Sample2            | Sample3   | Sample4             | Sample5          | Max  | Min  | Avg  |
| 压着部位抗张强度<br>Crimp tensile strength(单位Unit:N)            | 插簧<br>Contact<br>AWG#22            | 60.1   | 64.1               | 72.3  | 68.7                | 70.8             | 72.3 | 60.1 | 67.2 |
| 仪器设备名称<br>Name of instrument equipment                  |                                    | <br>数显测力计<br>Ergometer  |                    |   |                     |                  |      |      |      |



# 检测 结 果

## Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item      | 检测条件或方法<br>Condition & Method  | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|-------------------|--|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance  | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>  | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.1.8     | 机械振动<br>Vibration | 插入连接器, 串联在直流电源上, 电流100mA; 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1.52mm。沿XYZ三轴正反方向各循环2小时<br>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.<br>Frequency: (10~55~10)Hz/min.<br>Cycling time: 1 min.<br>Amplitude: 1.52mm.<br><b>GB/T 5095.4 Method 6d / EIA-364-28D</b> | 021-025            | 外观: 无损伤<br>Appearance: no damage.<br>接触电阻: 20mΩ Max.<br>Contact resistance: 20mΩ Max.<br>电流中断时间: 1μsec Max<br>Current interruption: 1μsec Max   | 结果数据见下表             | 合格<br>Pass       |

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

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



|         | 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<br>Contact resistance<br>(单位 Unit:mΩ) | 试验前     | Sample1 | 3.7  | 3.6  | 3.4  | 3.4  | 3.7  | 3.3  | 3.9  | 3.9   | 3.4 | 3.9 | 3.9 | 3.3 |
| Sample2 |  |         | 3.9     | 3.9  | 4.1  | 3.7  | 3.8  | 3.8  | 3.7  | 3.5  | 3.6   | 3.5 | 4.1 | 3.5 | 3.8 |
| Sample3 |  |         | 3.9     | 3.9  | 4.1  | 4.1  | 3.9  | 3.7  | 3.6  | 4.1  | 3.4   | 4.1 | 4.1 | 3.4 | 3.9 |
| Sample4 |  |         | 4.1     | 3.4  | 3.9  | 3.7  | 3.4  | 3.7  | 4.1  | 3.5  | 3.3   | 3.8 | 4.1 | 3.3 | 3.7 |
| Sample5 |  |         | 3.7     | 3.7  | 3.4  | 4.0  | 3.8  | 3.3  | 3.6  | 4.0  | 3.4   | 3.5 | 4.0 | 3.3 | 3.6 |
| 试验后     |  | Sample1 | 4.0     | 4.0  | 4.0  | 4.1  | 4.3  | 3.7  | 4.6  | 4.6  | 4.0   | 4.5 | 4.6 | 3.7 | 4.2 |
|         |  | Sample2 | 4.6     | 4.5  | 4.7  | 4.4  | 4.2  | 4.5  | 4.2  | 4.1  | 4.0   | 4.1 | 4.7 | 4.0 | 4.3 |
|         |  | Sample3 | 4.5     | 4.2  | 4.8  | 4.6  | 4.4  | 4.3  | 4.2  | 4.6  | 4.1   | 4.7 | 4.8 | 4.1 | 4.5 |
|         |  | Sample4 | 4.5     | 4.1  | 4.5  | 4.1  | 3.8  | 4.2  | 4.6  | 4.2  | 3.7   | 4.5 | 4.6 | 3.7 | 4.2 |
|         |  | Sample5 | 4.4     | 4.1  | 3.9  | 4.7  | 4.3  | 3.8  | 4.1  | 4.6  | 4.0   | 4.2 | 4.7 | 3.8 | 4.2 |

# 检测结果 Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

|  |   |  |
|--|---|--|
| <p>仪器设备名称<br/>Name of instrument<br/>equipment</p> |  <p>振动台<br/>Vibration Tester</p> |  <p>微欧计<br/>Resistance Meter</p> |
|--|---|--|

# 检 测 结 果

## Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item     | 检测条件或方法<br>Condition & Method  | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|------------------|--|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>  | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.1.9     | 机械冲击<br>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100mA电流<br>冲击强度: 490m/s2<br>持续时间: 11ms<br>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)<br>Test pulse: 490m/s2<br>Duration: 11ms<br><b>GB/T 5095.4 Method 6c / EIA-364-27B</b> | 021-025            | 外观: 无损伤<br>Appearance: no damage.<br>电流中断时间: 1μsec Max<br>Current interruption: 1μsec Max   | 结果数据见下表             | 合格<br>Pass       |

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

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

仪器设备名称  
Name of instrument  
equipment



冲击试验台  
Shock test system

# 检测 结 果

## Test Result

报告编号:  
Report No.

202203023



表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item       | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|--------------------|---|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance   | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b> | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.1.10    | 机械寿命<br>Durability | 以每分钟10次的速度插拔50次<br>50 cycles for mating and unmating test at the speed of 10 cycles per minute<br><b>GB/T 5095.5 Method 9a / EIA-364-09C</b>                                | 016-020            | 外观: 无损伤<br>Appearance: no damage.<br>接触电阻: 20mΩ Max.<br>Contact resistance: 20mΩ Max.   | 结果数据见下表             | 合格<br>Pass       |

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

| 项目<br>Item       | Sample | Sample1 | Sample2           | Sample3           | Sample4           | Sample5           | Max               | Min | Avg |   |
|------------------|--------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|-----|---|
| 外观<br>Appearance | 试验前    | 016-020 | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | / |
|                  | 试验后    | 016-020 | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | / |

| 接触电阻<br>Contact resistance<br>(单位<br>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  | 4.1  | 3.3  | 3.8  | 3.3  | 3.5  | 3.9  | 4.1  | 4.1   | 3.4 | 4.1 | 3.3 |
| Sample2                                       |         | 4.1     | 3.4  | 3.4  | 3.3  | 3.3  | 3.9  | 3.9  | 3.6  | 3.6  | 3.6   | 4.1 | 3.3 | 3.6 |
| Sample3                                       |         | 4.0     | 4.0  | 4.1  | 4.0  | 3.4  | 3.8  | 4.0  | 3.9  | 3.5  | 4.1   | 4.1 | 3.4 | 3.9 |
| Sample4                                       |         | 4.1     | 3.9  | 4.0  | 3.8  | 3.8  | 3.8  | 3.5  | 4.0  | 3.5  | 3.4   | 4.1 | 3.4 | 3.8 |
| Sample5                                       |         | 3.7     | 3.5  | 4.1  | 3.3  | 3.4  | 4.1  | 3.9  | 3.6  | 4.1  | 3.6   | 4.1 | 3.3 | 3.7 |
| 试验后   | Sample1 | 3.7     | 4.7  | 4.0  | 4.3  | 3.9  | 4.0  | 4.5  | 4.5  | 4.6  | 4.1   | 4.7 | 3.7 | 4.2 |
|   | Sample2 | 4.6     | 4.1  | 3.7  | 3.7  | 3.7  | 4.5  | 4.5  | 3.9  | 4.3  | 4.2   | 4.6 | 3.7 | 4.1 |
|   | Sample3 | 4.7     | 4.6  | 4.6  | 4.6  | 4.0  | 4.5  | 4.6  | 4.3  | 4.2  | 4.7   | 4.7 | 4.0 | 4.5 |
|   | Sample4 | 4.8     | 4.4  | 4.5  | 4.2  | 4.2  | 4.5  | 4.0  | 4.5  | 3.9  | 4.0   | 4.8 | 3.9 | 4.3 |
|   | Sample5 | 4.3     | 3.8  | 4.7  | 4.0  | 3.8  | 4.7  | 4.4  | 4.2  | 4.4  | 4.1   | 4.7 | 3.8 | 4.2 |

|  |   |   |
|--|---|---|
| 仪器设备名称<br>Name of instrument equipment | <br>数显测力计<br>Ergometer | <br>微欧计<br>Resistance Meter |
|--|---|---|

# 检测结果

## Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item               | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|----------------------------|---|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance           | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b> | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.2.1     | 接触电阻<br>Contact resistance | 插配阴阳连接器后, 用小功率电路进行测试<br>Mate connectors with dry circuit to test contact resistance<br><b>GB/T 5095.2 Method 2a / EIA-364-23B</b>   | 026-030            | 10 mΩ Max. (Initial)<br>20 mΩ Max. (Final)  | 结果数据见下表             | 合格<br>Pass       |

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

| 项目<br>Item       | Sample  | Sample1           | Sample2           | Sample3           | Sample4           | Sample5           | Max | Min | Avg |
|------------------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|-----|-----|
| 外观<br>Appearance | 026-030 | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | /   |

| 接触电阻<br>Contact resistance<br>(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 | 3.3  | 3.9  | 3.9  | 4.0  | 3.6  | 3.9  | 3.6  | 3.3  | 4.1  | 4.0   | 4.1 | 3.3 | 3.8 |
|                                       | Sample2 | 3.4  | 3.9  | 3.9  | 3.5  | 4.4  | 4.2  | 3.9  | 3.6  | 3.6  | 3.6   | 4.4 | 3.4 | 3.8 |
|                                       | Sample3 | 3.6  | 3.8  | 4.0  | 4.1  | 4.1  | 4.1  | 3.1  | 3.4  | 3.6  | 3.8   | 4.1 | 3.1 | 3.8 |
|                                       | Sample4 | 3.7  | 3.0  | 3.6  | 4.2  | 3.5  | 3.9  | 3.3  | 3.8  | 3.3  | 3.6   | 4.2 | 3.0 | 3.6 |
|                                       | Sample5 | 3.6  | 3.6  | 4.0  | 3.6  | 3.3  | 3.7  | 4.0  | 3.6  | 3.5  | 4.1   | 4.1 | 3.3 | 3.7 |

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

# 检 测 结 果

## Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item                  | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|-------------------------------|---|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance              | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>   | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.2.2     | 绝缘电阻<br>Insulation resistance | 在相邻接触件之间或地线之间, 用500V DC电压进行测试。<br>Apply a voltage of 500V DC between adjacent contacts and between contacts to ground.<br><b>GB/T 5095.2 Method 3a / EIA-364-21C</b>  | 026-030            | 1000 MΩ Min. ( Initial)<br>500 MΩ Min. (Final)  | 结果数据见下表             | 合格<br>Pass       |
| 6.2.3     | 耐电压<br>Withstand voltage      | 相邻接触件之间或地线之间施加1000V AC (有效值), 漏电流1mA的电压作用, 时间1min。<br>Apply a voltage of 1000V AC (rms) and leakage current of 1mA between adjacent contacts or ground cables for 1 minute.<br><b>GB/T 5095.2 Method 4a / EIA-364-20B</b> | 026-030            | 外观: 无击穿和飞弧现象<br>Appearance: no breakdown or flashover   | 结果数据见下表             | 合格<br>Pass       |

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

| 项目<br>Item                                   | Sample1          | Sample2          | Sample3          | Sample4          | Sample5          | Max | Min | Avg |
|--|------------------|------------------|------------------|------------------|------------------|-----|-----|-----|
| 外观<br>Appearance                             | 无损伤<br>No damage | 无损伤<br>No damage | 无损伤<br>No damage | 无损伤<br>No damage | 无损伤<br>No damage | /   | /   | /   |
| 绝缘电阻<br>Insulation resistance<br>(单位Unit:MΩ) | >1000            | >1000            | >1000            | >1000            | >1000            | /   | /   | /   |
| 耐电压<br>Withstand voltage                     | 无损伤<br>No damage | 无损伤<br>No damage | 无损伤<br>No damage | 无损伤<br>No damage | 无损伤<br>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.

202203023

表格编号: CWBDZ-QR-QC-123

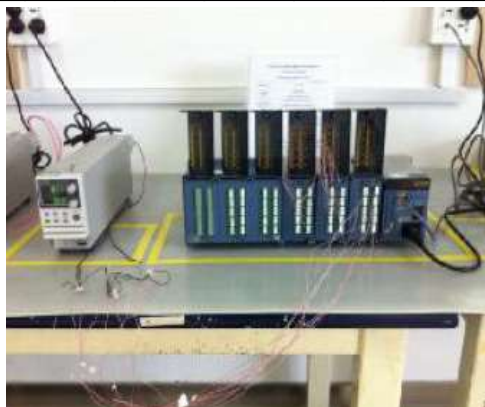
| 序号<br>No. | 检测项目<br>Item           | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|------------------------|---|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance       | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>       | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.2.4     | 温升<br>Temperature rise | 插合连接器, 通以最大允许电流, 测温度的差值<br>Mate connectors and measure the temperature rise of contact when the maximum AC rated current is passed.<br><b>GB/T 5095.3 Method 5a / EIA-364-70A</b> | 031-035            | △30°C Max.  | 结果数据见下表             | 合格<br>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<br>current | No.1 | No.2 | No.3 | No.4 | No.5 | No.6 | No.7 | No.8 | No.9 | No.10 | Max  | Min  | Avg  |
|------------------------------|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| AWG#22: 3A                   | 25.3 | 17.5 | 21.5 | 24.7 | 26.7 | -    | -    | -    | -    | -     | 26.7 | 17.5 | 23.1 |

仪器设备名称  
Name of instrument  
equipment



多量程直流电源  
Multi-Range DC Power Supply

# 检 测 结 果

## Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item           | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|------------------------|---|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance       | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>                             | 036-040            | 1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.3.1     | 耐高温<br>Heat resistance | 连接器配合后, 于 (105±2) °C 的空气中放置240小时, 再回到室温中放置 (1~2) 小时测定<br>Mated connectors exposed to the condition of (105±2)°C for 240 hours, recovery time (1~2) hours<br><b>GB/T 5095.6 Method 11i / EIA-364-17B</b> | 036-040            | 外观: 无损伤<br>Appearance: no damage.<br>接触电阻: 20mΩ Max.<br>Contact resistance: 20mΩ Max.<br>绝缘电阻: 500 MΩ Min.<br>Insulation resistance:500 MΩ Min.<br>耐电压: 1000V Min.<br>Withstand voltage: 1000V 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<br>Item                                   | Sample  | Sample1           | Sample2           | Sample3           | Sample4           | Sample5           | Max               | Min | Avg |   |
|--|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|-----|---|
| 外观   | 试验前     | 036-040           | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | / |
|  | 试验后     | 036-040           | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | / |
| 绝缘电阻<br>Insulation resistance<br>(单位Unit:mΩ) | 036-040 | >500              | >500              | >500              | >500              | >500              | /                 | /   | /   |   |
| 耐电压<br>Withstand voltage                     | 036-040 | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /                 | /   | /   |   |

| 接触电阻<br>Contact resistance<br>(单位<br>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 | 4.1  | 3.9  | 3.9  | 3.7  | 3.5  | 4.0  | 3.7  | 3.5  | 3.6   | 3.9 | 4.1 | 3.5 |
| Sample2                                       |         | 4.1     | 3.7  | 3.5  | 3.3  | 4.1  | 4.0  | 3.9  | 3.7  | 3.8  | 3.5   | 4.1 | 3.3 | 3.8 |
| Sample3                                       |         | 3.7     | 4.1  | 3.6  | 3.9  | 3.3  | 3.7  | 4.1  | 3.4  | 3.7  | 3.7   | 4.1 | 3.3 | 3.7 |
| Sample4                                       |         | 4.0     | 3.7  | 3.6  | 3.9  | 3.6  | 3.3  | 3.7  | 3.8  | 4.0  | 3.6   | 4.0 | 3.3 | 3.7 |
| Sample5                                       |         | 3.8     | 3.3  | 3.6  | 3.4  | 3.8  | 4.1  | 3.5  | 4.1  | 3.5  | 3.5   | 4.1 | 3.3 | 3.7 |
| 试验后   | Sample1 | 4.6     | 4.5  | 4.4  | 4.0  | 4.2  | 4.5  | 4.4  | 4.0  | 4.2  | 4.3   | 4.6 | 4.0 | 4.3 |
|   | Sample2 | 4.6     | 4.2  | 4.0  | 3.8  | 4.4  | 4.6  | 4.4  | 4.2  | 4.2  | 3.9   | 4.6 | 3.8 | 4.2 |
|   | Sample3 | 4.3     | 4.5  | 4.1  | 4.2  | 3.6  | 4.4  | 4.4  | 3.7  | 4.4  | 4.2   | 4.5 | 3.6 | 4.2 |
|   | Sample4 | 4.3     | 4.3  | 4.0  | 4.6  | 4.2  | 3.7  | 4.3  | 4.3  | 4.5  | 4.1   | 4.6 | 3.7 | 4.2 |
|   | Sample5 | 4.3     | 3.6  | 3.9  | 4.0  | 4.2  | 4.5  | 4.1  | 4.6  | 4.1  | 4.1   | 4.6 | 3.6 | 4.1 |



# 检 测 结 果

## Test Result

报告编号：  
Report No.

202203023

表格编号：CWBDZ-QR-QC-123

|  |  |  |   |
|--|--|--|---|
| <p>仪器设备名称<br/>Name of instrument<br/>equipment</p> |  <p>高低温湿热试验箱<br/>Temperature &amp; Humidity Cycling<br/>Chamber</p> |  <p>交直流绝缘耐压测试仪<br/>DC/AC insulation and Dielectric Strength tester</p> |  <p>微欧计<br/>Resistance Meter</p> |
|--|--|--|---|

# 检测 结 果

## Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No.   | 检测项目<br>Item           | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion  |      |      |      |      |       |     |     |     |     |
|---|------------------------|---|--------------------|---|---------------------|-------------------|------|------|------|------|-------|-----|-----|-----|-----|
| 6.1.1   | 外观<br>Appearance       | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>                           | 041-045            | 1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass        |      |      |      |      |       |     |     |     |     |
| 6.3.2   | 耐低温<br>Cold resistance | 连接器配合后, 于 (-40±2) °C 的空气中放置96小时, 再回到室温中放置 (1~2) 小时测定<br>Mated connectors exposed to the condition of (-40±2) °C for 96hours, recovery time (1~2) hours<br><b>GB/T 5095.6 Method 11j / EIA-364-17B</b> | 041-045            | 外观: 无损伤<br>Appearance: no damage.<br>接触电阻: 20mΩ Max.<br>Contact resistance: 20mΩ Max.<br>绝缘电阻: 500 MΩ Min.<br>Insulation resistance: 500 MΩ Min.<br>耐电压: 1000V Min.<br>Withstand voltage: 1000V Min.  | 结果数据见下表             | 合格                |      |      |      |      |       |     |     |     |     |
| 检测结果或数值范围<br>Result of test or range of numerical value |                        |   |                    |   |                     |                   |      |      |      |      |       |     |     |     |     |
| 项目<br>Item  | Sample                 | Sample1   | Sample2            | Sample3   | Sample4             | Sample5           | Max  | Min  | Avg  |      |       |     |     |     |     |
| 外观  | 试验前                    | 041-045<br>无损伤<br>No damage.  | 无损伤<br>No damage.  | 无损伤<br>No damage.   | 无损伤<br>No damage.   | 无损伤<br>No damage. | /    | /    | /    |      |       |     |     |     |     |
|   | 试验后                    | 041-045<br>无损伤<br>No damage.  | 无损伤<br>No damage.  | 无损伤<br>No damage.   | 无损伤<br>No damage.   | 无损伤<br>No damage. | /    | /    | /    |      |       |     |     |     |     |
| 绝缘电阻<br>Insulation resistance<br>(单位Unit:MΩ)            | 041-045                | >500  | >500               | >500  | >500                | >500              | /    | /    | /    |      |       |     |     |     |     |
| 耐电压<br>Withstand voltage                                | 041-045                | 无损伤<br>No damage.   | 无损伤<br>No damage.  | 无损伤<br>No damage.   | 无损伤<br>No damage.   | 无损伤<br>No damage. | /    | /    | /    |      |       |     |     |     |     |
| 接触电阻<br>Contact resistance<br>(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   | 3.8                 | 3.3               | 3.8  | 4.0  | 3.7  | 3.7  | 3.3   | 3.9 | 4.0 | 3.3 | 3.7 |
|   |                        | Sample2   | 3.7                | 3.9   | 3.9                 | 4.1               | 3.7  | 4.1  | 4.1  | 3.6  | 3.4   | 3.3 | 4.1 | 3.3 | 3.8 |
|   |                        | Sample3   | 4.0                | 3.8   | 3.8                 | 3.4               | 3.9  | 3.3  | 3.4  | 3.3  | 3.8   | 4.1 | 4.1 | 3.3 | 3.7 |
|   |                        | Sample4   | 4.0                | 3.9   | 3.8                 | 3.7               | 3.9  | 4.1  | 3.6  | 4.0  | 3.4   | 3.8 | 4.1 | 3.4 | 3.8 |
|   |                        | Sample5   | 3.5                | 3.3   | 3.5                 | 4.0               | 3.5  | 4.1  | 3.8  | 3.6  | 4.0   | 3.6 | 4.1 | 3.3 | 3.7 |
|   | 试验后                    | Sample1   | 4.4                | 4.5   | 4.2                 | 3.7               | 4.4  | 4.6  | 4.2  | 4.1  | 3.7   | 4.5 | 4.6 | 3.7 | 4.2 |
|   |                        | Sample2   | 4.2                | 4.5   | 4.5                 | 4.5               | 4.4  | 4.4  | 4.6  | 4.3  | 3.8   | 3.8 | 4.6 | 3.8 | 4.3 |
|   |                        | Sample3   | 4.5                | 4.1   | 4.4                 | 4.1               | 4.6  | 3.8  | 4.1  | 3.9  | 4.5   | 4.6 | 4.6 | 3.8 | 4.3 |
|   |                        | Sample4   | 4.3                | 4.3   | 4.2                 | 4.2               | 4.3  | 4.8  | 4.2  | 4.4  | 4.0   | 4.1 | 4.8 | 4.0 | 4.3 |
| Sample5   |                        | 4.0   | 3.8                | 3.8   | 4.6                 | 3.8               | 4.8  | 4.3  | 4.1  | 4.4  | 4.1   | 4.8 | 3.8 | 4.2 |     |

# 检 测 结 果

## Test Result

报告编号：  
Report No.

202203023

表格编号：CWBDZ-QR-QC-123

|  |  |  |   |
|--|--|--|---|
| <p>仪器设备名称<br/>Name of instrument<br/>equipment</p> |  <p>高低温湿热试验箱<br/>Temperature &amp; Humidity Cycling<br/>Chamber</p> |  <p>交直流绝缘耐压测试仪<br/>DC/AC insulation and Dielectric Strength tester</p> |  <p>微欧计<br/>Resistance Meter</p> |
|--|--|--|---|

# 检 测 结 果

## Test Result

报告编号:  
Report No.

202203023

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<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>   | 046-050         | 1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass       | 合格<br>Pass    |
| 6.3.3  | 恒定湿热 Humidity | 温度 (40±2) °C,<br>相对湿度 (90~95) %<br>搁置时间240小时, 取出恢复 (1~2) 小时后检查。<br>Mated connectors exposed to the condition of temperature (40±2) °C, humidity (90~95)% for 240 hours, recovery time (1~2) hours<br><b>GB/T 5095.6 Method 11c /EIA-364-31B</b> | 046-050         | 外观: 无损伤<br>Appearance: no damage.<br>接触电阻: 20mΩ Max.<br>Contact resistance: 20mΩ Max.<br>绝缘电阻: 500 MΩ Min.<br>Insulation resistance: 500 MΩ Min.<br>耐电压: 1000V Min.<br>Withstand voltage: 1000V 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     | 046-050<br>无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | /   |
|  | 试验后     | 046-050<br>无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | /   |
| 绝缘电阻<br>Insulation resistance<br>(单位Unit:MΩ) | 046-050 | >500                         | >500              | >500              | >500              | >500              | /   | /   | /   |
| 耐电压<br>Withstand voltage                     | 046-050 | 无损伤<br>No damage.            | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | /   |

| 接触电阻<br>Contact resistance<br>(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  | 3.9  | 4.1  | 4.0  | 3.3  | 3.4  | 3.7  | 3.8   | 3.7 | 4.1 | 3.3 |
| Sample2                                    |         | 3.4     | 4.1  | 3.9  | 3.8  | 3.5  | 3.9  | 3.5  | 4.1  | 4.0  | 4.1   | 4.1 | 3.4 | 3.8 |
| Sample3                                    |         | 3.7     | 3.3  | 3.6  | 3.8  | 3.9  | 3.4  | 3.8  | 3.4  | 4.1  | 3.8   | 4.1 | 3.3 | 3.7 |
| Sample4                                    |         | 3.7     | 3.9  | 3.8  | 4.1  | 4.1  | 3.9  | 4.1  | 3.4  | 3.8  | 4.1   | 4.1 | 3.4 | 3.9 |
| Sample5                                    |         | 3.4     | 4.0  | 3.3  | 3.9  | 3.4  | 4.1  | 4.1  | 3.9  | 3.4  | 4.1   | 4.1 | 3.3 | 3.8 |
| 试验后  | Sample1 | 3.8     | 3.9  | 4.6  | 4.5  | 4.4  | 3.9  | 4.1  | 4.4  | 4.3  | 4.4   | 4.6 | 3.8 | 4.2 |
|  | Sample2 | 3.9     | 4.5  | 4.6  | 4.1  | 4.0  | 4.4  | 4.2  | 4.6  | 4.3  | 4.5   | 4.6 | 3.9 | 4.3 |
|  | Sample3 | 4.1     | 3.7  | 4.2  | 4.4  | 4.3  | 3.8  | 4.3  | 3.7  | 4.8  | 4.1   | 4.8 | 3.7 | 4.1 |
|  | Sample4 | 4.4     | 4.6  | 4.2  | 4.6  | 4.8  | 4.3  | 4.8  | 3.9  | 4.1  | 4.8   | 4.8 | 3.9 | 4.5 |
|  | Sample5 | 3.9     | 4.6  | 3.9  | 4.4  | 4.0  | 4.5  | 4.7  | 4.6  | 3.9  | 4.5   | 4.7 | 3.9 | 4.3 |

# 检测结果 Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

|  |  |  |   |
|--|--|--|---|
| <p>仪器设备名称<br/>Name of instrument<br/>equipment</p> |  <p>高低温湿热试验箱<br/>Temperature &amp; Humidity Cycling<br/>Chamber</p> |  <p>交直流绝缘耐压测试仪<br/>DC/AC insulation and Dielectric Strength tester</p> |  <p>微欧计<br/>Resistance Meter</p> |
|--|--|--|---|

# 检测结果

## Test Result

报告编号:  
Report No.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item                | 检测条件或方法<br>Condition & Method  | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|-----------------------------|--|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance            | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>  | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.3.4     | 温度循环<br>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:<br>a) 在 (-55±2) °C 的恒温条件下放置0.5小时;<br>b) 在 (85±2) °C 的恒温条件下放置0.5小时;<br>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25个循环, 恢复(1~2)小时后检查<br>Mated connectors shall be tested under the following conditions<br>Temperature °C      Duration<br>1 -55±2                      0.5h<br>2 Room Temp.              5 minutes Max.<br>3 +85±2                      0.5h<br>4 Room Temp.              5 minutes Max.<br>Step 1 to 4 is one cycle, 25 cycles shall be tested, recovery time (1~2) hours<br><b>GB/T 5095.6 method 11d / EIA-364-32C</b> | 051-055            | 外观: 无损伤<br>Appearance: no damage.<br>接触电阻: 20mΩ Max.<br>Contact resistance: 20mΩ Max.<br>绝缘电阻: 500 MΩ Min.<br>Insulation resistance: 500 MΩ Min.<br>耐电压: 1000V Min.<br>Withstand voltage: 1000V 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<br>Item                                   | Sample  | Sample1                      | Sample2           | Sample3           | Sample4           | Sample5           | Max  | Min  | Avg  |      |       |     |     |     |     |
|--|---------|------------------------------|-------------------|-------------------|-------------------|-------------------|------|------|------|------|-------|-----|-----|-----|-----|
| 外观   | 试验前     | 051-055<br>无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /    | /    | /    |      |       |     |     |     |     |
|  | 试验后     | 051-055<br>无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /    | /    | /    |      |       |     |     |     |     |
| 绝缘电阻<br>Insulation resistance<br>(单位Unit:MΩ) | 051-055 | >500                         | >500              | >500              | >500              | >500              | /    | /    | /    |      |       |     |     |     |     |
| 耐电压<br>Withstand voltage                     | 051-055 | 无损伤<br>No damage.            | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /    | /    | /    |      |       |     |     |     |     |
| 接触电阻<br>Contact resistance<br>(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                      | 3.3               | 3.7               | 3.9               | 4.0               | 3.6  | 4.1  | 3.9  | 3.3  | 3.8   | 3.9 | 4.1 | 3.3 | 3.8 |
|  |         | Sample2                      | 3.7               | 3.6               | 4.0               | 3.4               | 3.8  | 3.4  | 3.4  | 3.5  | 3.7   | 4.1 | 4.1 | 3.4 | 3.7 |
|  |         | Sample3                      | 3.4               | 3.8               | 3.6               | 3.3               | 3.3  | 3.4  | 4.1  | 3.4  | 3.4   | 3.5 | 4.1 | 3.3 | 3.5 |
|  |         | Sample4                      | 3.3               | 4.0               | 4.0               | 3.4               | 3.4  | 3.4  | 3.8  | 3.3  | 3.9   | 3.4 | 4.0 | 3.3 | 3.6 |
|  |         | Sample5                      | 3.6               | 3.7               | 3.5               | 3.6               | 3.8  | 3.4  | 3.9  | 4.1  | 4.0   | 3.3 | 4.1 | 3.3 | 3.7 |
|  | 试验后     | Sample1                      | 3.7               | 4.4               | 4.3               | 4.4               | 4.1  | 4.5  | 4.3  | 3.8  | 4.4   | 4.6 | 4.6 | 3.7 | 4.2 |
|  |         | Sample2                      | 4.4               | 4.2               | 4.7               | 4.1               | 4.5  | 4.0  | 4.1  | 4.0  | 4.1   | 4.7 | 4.7 | 4.0 | 4.3 |
|  |         | Sample3                      | 3.7               | 4.2               | 4.0               | 3.8               | 3.7  | 3.9  | 4.5  | 4.1  | 4.1   | 4.0 | 4.5 | 3.7 | 4.0 |
|  |         | Sample4                      | 3.7               | 4.5               | 4.6               | 3.7               | 4.0  | 3.9  | 4.2  | 3.9  | 4.6   | 3.8 | 4.6 | 3.7 | 4.1 |
| Sample5                                      |         | 4.2                          | 4.2               | 3.9               | 4.2               | 4.5               | 4.0  | 4.3  | 4.7  | 4.6  | 3.7   | 4.7 | 3.7 | 4.2 |     |

# 检 测 结 果

## Test Result

报告编号:  
Report No.

202203023

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.

202203023

表格编号：CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item     | 检测条件或方法<br>Condition & Method  | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|------------------|--|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance | 目测<br>Checking by eyes<br>视力：1.0以上<br>Eyesight: > 1.0<br>照明：(200~300) lx<br>Lamp: (200~300) lx<br>目测距离：(0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>   | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.3.5     | 盐雾<br>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<br>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<br><b>GB/T 5095.6 Method 11f /EIA-364-26B</b> | 056-060            | 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。）<br>Appearance: no damage (no erosion on material exposed, and plating material, slight erosion on the cutting surface is acceptable)<br>接触电阻：20mΩ Max.<br>Contact resistance: 20mΩ Max.                      | 结果数据见下表             | 合格<br>Pass       |

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

| 项目<br>Item                                 | Sample |         | Sample1           |      | Sample2           |      | Sample3           |      | Sample4           |      | Sample5           |       | Max | Min | Avg |
|--|--------|---------|-------------------|------|-------------------|------|-------------------|------|-------------------|------|-------------------|-------|-----|-----|-----|
| 外观<br>Appearance                           | 试验前    | 056-060 | 无损伤<br>No damage. |      | 无损伤<br>No damage. |      | 无损伤<br>No damage. |      | 无损伤<br>No damage. |      | 无损伤<br>No damage. |       | /   | /   | /   |
|  | 试验后    | 056-060 | 无损伤<br>No damage. |      | 无损伤<br>No damage. |      | 无损伤<br>No damage. |      | 无损伤<br>No damage. |      | 无损伤<br>No damage. |       | /   | /   | /   |
| 接触电阻<br>Contact resistance<br>(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 | 3.3               | 4.1  | 4.0               | 3.3  | 4.1               | 4.0  | 3.6               | 3.6  | 3.9               | 3.8   | 4.1 | 3.3 | 3.8 |
|  |        | Sample2 | 4.1               | 3.3  | 3.9               | 3.9  | 4.0               | 3.7  | 3.9               | 3.5  | 3.6               | 3.3   | 4.1 | 3.3 | 3.7 |
|  |        | Sample3 | 3.7               | 3.8  | 3.9               | 3.3  | 3.6               | 3.9  | 4.0               | 3.9  | 3.9               | 3.9   | 4.0 | 3.3 | 3.8 |
|  |        | Sample4 | 3.6               | 3.7  | 3.7               | 4.1  | 3.3               | 3.3  | 3.7               | 3.3  | 3.9               | 3.3   | 4.1 | 3.3 | 3.6 |
|  |        | Sample5 | 3.8               | 3.8  | 4.0               | 3.3  | 3.6               | 3.7  | 3.8               | 3.9  | 3.7               | 4.1   | 4.1 | 3.3 | 3.8 |
|  | 试验后    | Sample1 | 4.8               | 5.1  | 5.1               | 4.7  | 5.7               | 5.6  | 5.1               | 5.3  | 5.0               | 4.8   | 5.7 | 4.7 | 5.1 |
|  |        | Sample2 | 5.5               | 5.0  | 5.2               | 5.2  | 5.0               | 4.9  | 5.6               | 4.6  | 4.9               | 4.3   | 5.6 | 4.3 | 5.0 |
|  |        | Sample3 | 5.2               | 5.2  | 5.1               | 4.5  | 5.3               | 5.4  | 5.7               | 5.4  | 5.3               | 5.5   | 5.7 | 4.5 | 5.3 |
|  |        | Sample4 | 4.8               | 5.1  | 5.2               | 5.3  | 4.6               | 4.9  | 4.7               | 4.4  | 5.0               | 4.6   | 5.3 | 4.4 | 4.8 |
| Sample5                                    |        | 5.2     | 5.1               | 5.4  | 4.6               | 5.0  | 5.0               | 4.9  | 5.5               | 5.2  | 5.6               | 5.6   | 4.6 | 5.1 |     |

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.

202203023

表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item                                      | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result                     | 结论<br>Conclusion |
|-----------|---|---|--------------------|---|---|------------------|
| 6.1.1     | 外观<br>Appearance                                  | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b> | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass                              | 合格<br>Pass       |
| 6.3.6     | 工业气体(氨气)Industrial gas(Ammonia)(NH <sub>3</sub> ) | 连接器在每升容积内含25毫升3%氨溶液的氨气箱中暴露7小时。<br>After 7 hours exposure in ammonia chamber with 25 mL of 3% ammonia solution for every liter of chamber capacity                           | 061-065            | 无应力腐蚀开裂<br>No stress corrosion cracking   | 无应力腐蚀开裂<br>No stress corrosion cracking | 合格<br>Pass       |

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

| 项目<br>Item       | Sample |         | Sample1                                 | Sample2                                 | Sample3                                 | Sample4                                 | Sample5                                 | Max | Min | Avg |
|------------------|--------|---------|---|---|---|---|---|-----|-----|-----|
| 外观<br>Appearance | 试验前    | 061-065 | 无损伤<br>No damage.                       | 无损伤<br>No damage.                       | 无损伤<br>No damage.                       | 无损伤<br>No damage.                       | 无损伤<br>No damage.                       | /   | /   | /   |
|                  | 试验后    | 061-065 | 无应力腐蚀开裂<br>No stress corrosion cracking | 无应力腐蚀开裂<br>No stress corrosion cracking | 无应力腐蚀开裂<br>No stress corrosion cracking | 无应力腐蚀开裂<br>No stress corrosion cracking | 无应力腐蚀开裂<br>No stress corrosion cracking | /   | /   | /   |

|  |   |
|--|---|
| 仪器设备名称<br>Name of instrument equipment |  |
|  | 氨气装置<br>Ammonia Plant   |

# 检测 结 果

## Test Result

报告编号:  
Report No.

202203023



表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item              | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|---------------------------|---|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance          | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>                           | 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。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.3.7     | 硫化氢气体测试<br>(H2S gas test) | 连接器配合后, 在温度 (40±2) °C、湿度 (80±5) %、H2S气体浓度为 (3±1) ppm的环境中放置96小时<br>Mated connectors exposed to the condition of temperature (40±2)°C, humidity (80±5)%, H2S gas concentration of (3±1)ppm for 96 hours | 066-070            | 外观: 无损伤<br>Appearance: no damage.<br>接触电阻: 20mΩ Max.<br>Contact resistance: 20mΩ Max.   | 结果数据见下表             | 合格<br>Pass       |

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

| 项目<br>Item       | Sample         | Sample1           | Sample2           | Sample3           | Sample4           | Sample5           | Max | Min | Avg |
|------------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|-----|-----|
| 外观<br>Appearance | 试验前<br>066-070 | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | /   |
|                  | 试验后<br>066-070 | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | 无损伤<br>No damage. | /   | /   | /   |

| 接触电阻<br>Contact resistance<br>(单位<br>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  | 4.0  | 4.0  | 3.8  | 3.7  | 3.7  | 4.0  | 3.7  | 3.7  | 3.5   | 4.0 | 3.5 | 3.8 |
| Sample2                                       |         | 3.4     | 3.3  | 3.9  | 3.6  | 3.6  | 3.3  | 3.7  | 4.0  | 3.6  | 3.3  | 4.0   | 3.3 | 3.6 |     |
| Sample3                                       |         | 3.6     | 4.0  | 4.1  | 4.1  | 3.5  | 4.1  | 3.3  | 3.9  | 3.7  | 3.4  | 4.1   | 3.3 | 3.8 |     |
| Sample4                                       |         | 3.6     | 3.8  | 3.4  | 3.6  | 3.3  | 4.1  | 3.7  | 3.6  | 3.9  | 3.7  | 4.1   | 3.3 | 3.7 |     |
| Sample5                                       |         | 3.3     | 3.6  | 3.4  | 4.0  | 3.5  | 3.6  | 3.7  | 4.1  | 3.5  | 3.6  | 4.1   | 3.3 | 3.6 |     |
| 试验后   | Sample1 | 5.6     | 5.5  | 5.6  | 5.3  | 5.0  | 4.8  | 5.4  | 5.4  | 5.1  | 4.6  | 5.6   | 4.6 | 5.2 |     |
|   | Sample2 | 4.8     | 4.8  | 5.1  | 4.7  | 5.2  | 4.7  | 5.4  | 5.3  | 4.9  | 4.6  | 5.4   | 4.6 | 4.9 |     |
|   | Sample3 | 5.2     | 5.6  | 5.7  | 5.4  | 4.8  | 5.6  | 5.0  | 5.1  | 5.4  | 4.7  | 5.7   | 4.7 | 5.2 |     |
|   | Sample4 | 5.2     | 5.1  | 5.1  | 4.7  | 4.8  | 5.4  | 4.8  | 5.3  | 5.1  | 4.7  | 5.4   | 4.7 | 5.0 |     |
|   | Sample5 | 4.5     | 4.7  | 4.6  | 5.6  | 4.6  | 5.0  | 5.1  | 5.7  | 4.9  | 4.6  | 5.7   | 4.5 | 4.9 |     |

| 仪器设备名称<br>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.

202203023

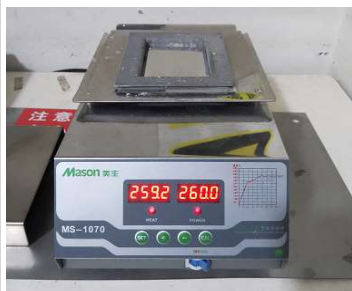
表格编号: CWBDZ-QR-QC-123

| 序号<br>No. | 检测项目<br>Item                         | 检测条件或方法<br>Condition & Method   | 样品编号<br>Sample No. | 规格要求<br>Requirement   | 结果数据<br>Test Result | 结论<br>Conclusion |
|-----------|--------------------------------------|---|--------------------|---|---------------------|------------------|
| 6.1.1     | 外观<br>Appearance                     | 目测<br>Checking by eyes<br>视力: 1.0以上<br>Eyesight: > 1.0<br>照明: (200~300) lx<br>Lamp: (200~300) lx<br>目测距离: (0.3~0.5) m<br>Space: (0.3~0.5) m<br><b>GB/T 5095.2 Method 1a</b>   | 071-085            | 1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。<br>Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc.<br>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。<br>Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc. | 合格<br>Pass          | 合格<br>Pass       |
| 6.3.8     | 可焊性<br>Solderability                 | 把试验样品需要焊接的部位浸入焊锡炉中, 锡炉温度 (245±5) °C, 时间 (4~5) 秒<br>Dip solder tails into the molten solder held at (245±5) °C for (4~5) seconds   | 071-075            | 上锡率: ≥90%<br>Solder coverage: ≥90%  | 结果数据见下表             | 合格<br>Pass       |
| 6.3.9     | 耐焊接热<br>Resistance to soldering heat | 1. 耐波峰焊热: 把试验样品需要焊接的部位浸入焊锡炉中, 锡炉温度 (260±5) °C; 时间 (5±1) 秒后, 在正常条件下恢复 (1~2) 小时<br>Resistance to wave soldering heat: Dip solder tails into the molten solder held at (260±5) °C for (5 ±1) seconds, recovery time (1~2) hours<br>2. 手工焊接: 温度 (350±10) °C, 时间 (1~2) seconds<br>Manual soldering: (350±10)°C for (1~2) seconds | 076-085            | 外观: 无损伤<br>Appearance: no damage.   | 结果数据见下表             | 合格<br>Pass       |

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

| 项目<br>Item                           | Sample1                                    | Sample2           | Sample3           | Sample4           | Sample5           |
|--------------------------------------|--|-------------------|-------------------|-------------------|-------------------|
| 可焊性<br>Solderability                 | >90%                                       | >90%              | >90%              | >90%              | >90%              |
| 耐焊接热<br>Resistance to soldering heat | 耐波峰焊热<br>Resistance to wave soldering heat | 无损伤<br>no damage. | 无损伤<br>no damage. | 无损伤<br>no damage. | 无损伤<br>no damage. |
|                                      | 手工焊接<br>Manual soldering                   | 无损伤<br>no damage. | 无损伤<br>no damage. | 无损伤<br>no damage. | 无损伤<br>no damage. |

仪器设备名称  
Name of instrument equipment



焊锡炉  
Solder Tester



电烙铁  
Electric Soldering