

# 检测报告

## Test Report

报告编号： Report No:	202203029
委托单位： Requester :	品管部 Quality Assurance Department
样品名称： Samole Name :	连接器 Connector
型号： Part No:	TJC20081
曾用型号： Previous part No:	TJC20081
收样日期： Date of Receipt :	2022/3/10
检测周期： Test periods :	2022/3/10~2022/3/30
检测结论： Test result :	合格 Pass

编制：金荣浩  
Prepared by : Ronghao Jin

审核：覃静静  
Supervised by : Jingjing Qin

批准：李子林  
Approved by : Zilin Li

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

报告签发日期：  
Issued Date of the report : 2022/4/5

# 检测报告

## Test Report

报告编号：  
Report No. 202203029  
版号：A

修订号：1

表格编号：CWBDZ-QR-QC-123

样品名称 Sample Name	连接器 Connector		型号： Part No.:	TJC20081
生产单位 Manufacturer	浙江合兴电子元件有限公司 CWB Electronics(Zhejiang) CO.,LTD.		曾用型号： Previous part No.:	TJC20081
生产方地址 Producer Add.	浙江省乐清市虹桥镇幸福东路1098号 No.1098,East Xingfu Road,Hongqiao, Yueqing,Zhejiang		收样日期： Date of Receipt:	2022/3/10
样品数量 Sample Qty.	65pcs		检测周期 Test Periods	2022/3/10~2022/3/30
检测地点 Test Location	<input checked="" type="checkbox"/> 温州地区	<input checked="" type="checkbox"/> 太仓地区	检测环境 Test Conditions	24.8°C, 55.9%RH
样品状态 Sample State	检测前样品外观无损伤。 No Damage on surface of test sample in front of test.			
检测依据 Tested Basis	依据规格书PS4127检测。 Test According to product specification PS4127.			
检测仪器： Test instrument :				
序号 No.	仪器名称 Instrument Name		设备编号 Instrument No.	计量有效期 Valid date to
1	微欧计 Resistance Meter		SY-EG135	2022/5/17
2	数显测力计 Ergometer		SY-FC030	2022/11/30
3	万能拉力试验机 Universal tensile testing machine		SY-FG024	2022/7/30
4	高低温湿热试验箱 Temperature & Humidity Cycling Chamber		SY-TA114	2022/6/30
5	高低温湿热试验箱 Temperature & Humidity Cycling Chamber		SY-TA015	2022/8/30
6	高低温湿热试验箱 Temperature & Humidity Cycling Chamber		SY-TA117	2023/2/28
7	温度冲击试验箱 Temperature & Humidity Cycling & Vibration Chamber		SY-TA109	2022/6/30
8	盐雾腐蚀试验箱 Salt spray Chamber		SY-Z011	2022/7/30
9	数据采集器 Data Acquisition Unit		SY-TA106	2023/4/30
10	多量程直流电源 Multi range DC power supply		SY-EG014	2022/6/30
11	电动振动台 Electric vibration table		TC-FG018	2022/7/30
12	落体式冲击试验台 Fall concussion test-beds		TC-FG023	2022/7/30
13	瞬断仪 Transient breaking instrument		TC-EG142	2022/12/30
14	智能交直流耐压绝缘测试仪 Aptitude AC/DC Voltage resistance		SY-EG062	2022/6/30

### 声明

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


# 检测 结 果

## Test Result

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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion			
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass			
6.1.2	端子插入力与固定力 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:25mm/min) 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.) <b>GB/T 5095.8 Method 15d / EIA-364-29B</b>	001~005	插入力 (Insertion force) Max: 10N 拔出力 (Retention force) Min: 10N	结果数据见下表	合格 Pass			
检测结果或数值范围 Result of test or range of numerical value									
单位Unit: N									
项目 Item	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg	
外观 Appearance	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/	
插簧 Socket contact	插入力 (Insertion) Max	2.1	2.7	2.2	2.3	2.5	2.7	2.1	2.4
	拔出力 (Retention) Min	14.7	14.7	12.8	13.5	12.1	14.7	12.1	13.6
插针 Pin contact	插入力 (Insertion) Max	2.6	3.1	2.5	2.7	3.0	3.1	2.5	2.8
	拔出力 (Retention) Min	33.8	30.7	31.5	32.6	33.1	33.8	30.7	32.3
仪器设备名称 Name of instrument equipment	 <p style="text-align: center;">数显测力计 Ergometer</p>								

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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.1.3	压着部位抗张强度 Crimping pull out force	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:25mm/min) 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.) <b>GB/T5095.8 Method 16d / EIA-364-08B</b>	006~010	AWG#26: 19.6N Min.	结果数据见下表	合格 Pass

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

项目 Item		Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
压着部位抗张强度 Crimping pull out force (单位 Unit:N)	插簧 Socket contact AWG#26	37.1	37.3	39.7	36.8	38.1	39.7	36.8	37.8
	插针 Pin contact AWG#26	37.5	33.5	32.4	35.6	36.7	37.5	32.4	35.1

仪器设备名称 Name of instrument equipment	 数显测力计 Ergometer
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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion		
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.1 Method 1a	011~015	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass		
6.1.4	锁扣强度 Lock strength	固定连接器和测力计, 在连接器轴线方向将配合后的连接器拔出, 速度不大于 25 mm/min., 测量时连接器应无端子或端子不影响锁扣强度的测量结果 Apply axial withdraw force on the connector which without contact or the contacts shall not affect lock strength at a rate less than 25 mm/min. GB/T 5095.8 Method 15a / EIA-364-29B	011~015	20 N Min.	结果数据见下表	合格 Pass		
检测结果或数值范围 Result of test or range of numerical value								
单位Unit: N								
项目 Item	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
5Pin 锁扣强度 Lock strength	73.0	70.9	76.4	72.3	74.8	76.4	70.9	73.5
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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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion		
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass		
6.1.5	插簧与插针的插拔力 Insertion and withdrawal force for pin in the contact	固定连接器和/或测力计, 在连接器轴线方向插入和拔出; 速度不大于25mm/min。 Axial insert and withdraw force on the pin contact in the socket contact of 25mm per minute. GB/T 5095.7 Method 13b / EIA-364-13B	006-010	插入力 (Insertion) Max: 9.8N 拔出力 (Withdrawal) Min: 0.2N	结果数据见下表	合格 Pass		
检测结果或数值范围 Result of test or range of numerical value								
单位Unit: N								
项目 Item	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
外观 Appearance	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
插入力 (Insertion) Max	1.5	1.1	1.6	1.3	1.2	1.6	1.1	1.3
拔出力 (Withdrawal) Min	0.9	0.9	1.1	1.2	1.0	1.2	0.9	1.0
仪器设备名称 Name of instrument equipment	 <p style="text-align: center;">数字测力计 Ergometer</p>							

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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion								
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.1 Method 1a	016~020	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass								
6.1.6	成品插入力与拔出力(去锁扣) Insertion force and withdrawal force (without lock)	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(速度不大于25mm/min.) 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.) GB/T 5095.7 Method 13b / EIA-364-13B	016~020	<table border="1"> <thead> <tr> <th>No. of Poles.</th> <th>首次插入力 (Insertion 1st) Max</th> <th>首次拔出力 (Withdrawal 1st) Min</th> <th>三十次后拔出力 (Withdrawal 30th) Min</th> </tr> </thead> <tbody> <tr> <td>5Pin</td> <td>23N</td> <td>1.1N</td> <td>0.7N</td> </tr> </tbody> </table>	No. of Poles.	首次插入力 (Insertion 1st) Max	首次拔出力 (Withdrawal 1st) Min	三十次后拔出力 (Withdrawal 30th) Min	5Pin	23N	1.1N	0.7N	结果数据见下表	合格 Pass
No. of Poles.	首次插入力 (Insertion 1st) Max	首次拔出力 (Withdrawal 1st) Min	三十次后拔出力 (Withdrawal 30th) Min											
5Pin	23N	1.1N	0.7N											

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

单位Unit: N

项目 Item	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg	
外观 Appearance	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/	
5Pin	首次插入力 Insertion 1st(Max)	8.3	9.0	8.2	9.4	8.8	9.4	8.2	8.7
	首次拔出力 Retention1st(Min)	3.3	3.3	3.0	3.3	3.1	3.3	3.0	3.2
	第30次拔出力 Retention30st(Min)	2.4	2.7	2.9	2.8	2.5	2.9	2.4	2.7

仪器设备名称  
Name of instrument equipment



万能拉力试验机  
Universal tensile testing machine



# 检测结果

## Test Result

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Report No.

202203029

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.1.7	机械振动 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 Mate connectors subjected them to following vibration conditions, for a period of 2 hours in each of 3 mutually perpendicular axes, 100 mA current shall be applied. Frequency: (10~55~10)Hz/min. Cycling time: 1 min. Amplitude: 1.52mm. <b>GB/T 5095.4 Method 6d / EIA-364-28D</b>	021-025	外观: 无损伤 Appearance: no damage. 接触电阻: 25mΩ Max. Contact resistance: 25mΩ Max. 电流中断时间: 1μsec Max Current interruption: 1μsec Max	结果数据见下表	合格 Pass

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

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

	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	10.1	10.8	13.1	10.7	11.1	-	-	-	-	-	13.1
Sample2	11.7		12.2	11.2	13.2	11.7	-	-	-	-	-	13.2	11.2	12.7
Sample3	11.0		11.7	9.9	11.7	13.4	-	-	-	-	-	13.4	9.9	12.7
Sample4	12.5		11.5	11.0	12.1	14.9	-	-	-	-	-	14.9	11.0	12.6
Sample5	11.3		13.4	12.5	10.6	13.8	-	-	-	-	-	13.8	10.6	12.5
试验后	Sample1	11.2	11.7	16.9	16.7	20.6	-	-	-	-	-	20.6	11.2	13.0
	Sample2	14.6	11.6	11.7	10.6	11.2	-	-	-	-	-	14.6	10.6	12.4
	Sample3	10.3	11.6	10.2	10.1	11.3	-	-	-	-	-	11.6	10.1	12.5
	Sample4	11.4	11.9	13.3	10.0	13.2	-	-	-	-	-	13.3	10.0	13.4
	Sample5	11.5	11.2	11.3	20.1	20.2	-	-	-	-	-	20.2	11.2	14.9





检测结果  
Test Result

报告编号:  
Report No.

202203029

表格编号: CWBDZ-QR-QC-123

<p>仪器设备名称 Name of instrument equipment</p>	 <p>振动台 Vibration Tester</p>	 <p>微欧计 Resistance Meter</p>
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# 检测 结 果

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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.1.8	机械冲击 Shock	连接器相配, 沿XYZ三轴正反方向各冲击3次(总共18次), 在测试过程中通以100mA电流 冲击强度: 490m/s <sup>2</sup> 持续时间: 11ms Mate connectors and subject them to the following shock conditions, 3 times of shock shall be applied for each 6 directions along 3 mutually perpendicular axes, passing DC 100mA current during the test.(total of 18 shocks) Test pulse: 490m/s <sup>2</sup> Duration: 11ms <b>GB/T 5095.4 Method 6c / EIA-364-27B</b>	021-025	外观: 无损伤 Appearance: no damage. 电流中断时间: 1μsec Max Current interruption: 1μsec Max	结果数据见下表	合格 Pass

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

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

仪器设备名称 Name of instrument equipment	 <p>冲击试验台 Shock test system</p>	 <p>微欧计 Resistance Meter</p>
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# 检测 结 果

## Test Result

报告编号:  
Report No.

202203029



表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.1.9	机械寿命 Durability	以每分钟10次的速度插拔30次 30 cycles for mating and unmating test at the speed of 10 cycles per minute <b>GB/T 5095.5 Method 9a / EIA-364-09C</b>	016-020	外观: 无损伤 Appearance: no damage. 接触电阻: 25mΩ Max. Contact resistance: 25mΩ Max.	结果数据见下表	合格 Pass

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

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

接触电阻 Contact resistance (单位: mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
	试验前	Sample1	9.2	7.7	8.9	8.5	9.4	-	-	-	-	-	9.4	7.7
Sample2		9.8	8.2	8.1	8.2	8.6	-	-	-	-	-	9.8	8.1	8.9
Sample3		8.7	8.8	7.5	8.2	8.9	-	-	-	-	-	8.9	7.5	9.2
Sample4		9.7	8.8	8.9	8.2	9.4	-	-	-	-	-	9.7	8.2	9.4
Sample5		7.8	10.2	9.5	8.4	7.7	-	-	-	-	-	10.2	7.7	9.8
试验后	Sample1	7.3	8.8	9.5	12.6	11.4	-	-	-	-	-	12.6	7.3	10.1
	Sample2	9.9	11.0	8.5	9.9	10.4	-	-	-	-	-	11.0	8.5	10.1
	Sample3	8.1	8.0	10.6	11.6	9.4	-	-	-	-	-	11.6	8.0	10.2
	Sample4	11.5	9.5	11.0	12.3	11.3	-	-	-	-	-	12.3	9.5	10.5
	Sample5	11.9	7.7	11.8	8.5	9.2	-	-	-	-	-	11.9	7.7	9.8

仪器设备名称 Name of instrument equipment	 <p>数显测力计 Ergometer</p>	 <p>微欧计 Resistance Meter</p>
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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.2.1	接触电阻 Contact resistance	插配阴阳连接器后,用小功率电路进行测试 Mate connectors with dry circuit to test contact resistance <b>GB/T 5095.2 Method 2a / EIA-364-23B</b>	026-030	15 mΩ Max. (Initial) 25 mΩ Max. (Final)	结果数据见下表	合格 Pass

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

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

接触电阻 Contact resistance e(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
	Sample1	7.8	8.8	7.6	7.5	9.4	-	-	-	-	-	9.4	7.5	8.6
	Sample2	<b>9.9</b>	<b>8.9</b>	<b>9.6</b>	<b>9.5</b>	<b>9.5</b>	-	-	-	-	-	9.9	8.9	8.7
	Sample3	<b>8.4</b>	<b>7.3</b>	<b>8.2</b>	<b>8.0</b>	<b>8.4</b>	-	-	-	-	-	8.4	7.3	8.5
	Sample4	9.7	8.4	10.0	9.2	8.0	-	-	-	-	-	10.0	8.0	8.7
	Sample5	<b>7.7</b>	<b>8.3</b>	<b>8.7</b>	<b>8.9</b>	<b>8.3</b>	-	-	-	-	-	8.9	7.7	8.4

仪器设备名称  
Name of instrument  
equipment



微欧计  
Resistance Meter

# 检测 结 果

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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.2.2	绝缘电阻 Insulation resistance	在相邻接触件之间或地线之间,用500V DC电压进行测试 Apply a voltage of 500V DC between adjacent contacts and between contacts to ground. <b>GB/T 5095.2 Method 3a / EIA-364-21C</b>	026-030	1000 MΩ Min. ( Initial) 500 MΩ Min. (Final)	结果数据见下表	合格 Pass
6.2.3	耐电压 Withstand voltage	相邻接触件之间或地线之间施加800V AC (有效值),漏电流1mA的电压作用,时间1min. Apply a voltage of 800V AC (rms) and leakage current of 1mA between adjacent contacts or ground cables for 1 minute. <b>GB/T 5095.2 Method 4a / EIA-364-20B</b>	026-030	外观: 无击穿和飞弧现象 Appearance: no breakdown or flashover	结果数据见下表	合格 Pass

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

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

仪器设备名称 Name of instrument equipment	 <p style="text-align: center;">交直流绝缘耐压测试仪 DC/AC insulation and Dielectric Strength tester</p>
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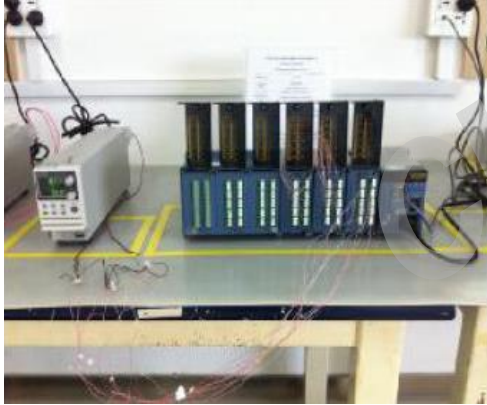
# 检测结果

## Test Result

报告编号:  
Report No.

202203029

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion								
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass								
6.2.4	温升 Temperature rise	插合连接器, 通以最大允许电流, 测温度的差值 Mate connectors and measure the temperature rise of contact when the maximum AC rated current is passed. <b>GB/T 5095.3 Method 5a / EIA-364-70A</b>	031-035	$\Delta 30^{\circ}\text{C}$ Max.	结果数据见下表	合格 Pass								
检测结果或数值范围 Result of test or range of numerical value														
单位Unit:												k		
极数No. of poles/电流 current	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg	
5极 AWG#26:1.5A	6.1	8.4	8.7	9.1	9.1	7.8	10.4	9.8	10.9	9.9	10.9	6.1	9.0	
仪器设备名称 Name of instrument equipment	 <p style="text-align: center;">多量程直流电源 Multi-Range DC Power Supply</p>													



# 检测 结 果

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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.1	耐高温 Heat resistance	连接器配合后, 于 (85±2) °C 的空气中放置250小时, 再回到室温中放置 (1~2) 小时测定 Mated connectors exposed to the condition of (85±2)°C for 250 hours, recovery time (1~2) hours <b>GB/T 5095.6 Method 11i / EIA-364-17B</b>	036-040	外观: 无损伤 Appearance: no damage. 接触电阻: 25mΩ Max. Contact resistance: 25mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance: 500 MΩ Min. 耐电压: 500V Min. Withstand voltage: 500V 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	036-040 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
	试验后	036-040 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
绝缘电阻 Insulation resistance (单位Unit:MΩ)	036-040	>500	>500	>500	>500	>500	/	/	/
耐电压 Withstand voltage	036-040	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

接触电阻 Contact resistance (单位 Unit:mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
	试验前	Sample1	8.9	8.0	8.2	11.4	8.5	-	-	-	-	-	11.4	8.0
Sample2		9.7	8.9	13.2	9.1	9.5	-	-	-	-	-	13.2	8.9	10.0
Sample3		10.3	10.0	10.1	10.4	8.5	-	-	-	-	-	10.4	8.5	10.4
Sample4		9.3	8.4	8.9	10.1	9.3	-	-	-	-	-	10.1	8.4	10.8
Sample5		9.4	9.3	8.4	9.1	9.4	-	-	-	-	-	9.4	8.4	11.1
试验后	Sample1	12.1	15.8	11.0	11.6	9.3	-	-	-	-	-	15.8	9.3	11.3
	Sample2	11.6	13.7	13.4	10.4	10.1	-	-	-	-	-	13.7	10.1	11.1
	Sample3	13.6	10.0	12.7	10.6	11.4	-	-	-	-	-	13.6	10.0	10.9
	Sample4	9.9	10.1	10.1	10.0	14.0	-	-	-	-	-	14.0	9.9	10.5
	Sample5	9.7	10.0	10.5	9.8	10.9	-	-	-	-	-	10.9	9.7	10.2



检测结果  
Test Result

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Report No.

202203029

表格编号: CWBDZ-QR-QC-123

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

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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.2	恒定湿热 Humidity	温度(40±2)°C, 相对湿度(90~95)% 搁置时间240小时, 取出恢复(1~2)小时后检查。 Mated connectors exposed to the condition of temperature (40±2)°C, humidity (90~95)% for 240 hours, recovery time (1~2) hours <b>GB/T 5095.6 Method 11c /EIA-364-31B</b>	041-045	外观: 无损伤 Appearance: no damage. 接触电阻: 25mΩ Max. Contact resistance: 25mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance: 500 MΩ Min. 耐电压: 500V Min. Withstand voltage: 500V 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	041-045 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
	试验后	041-045 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
绝缘电阻 Insulation resistance (单位Unit:MΩ)	041-045	>500	>500	>500	>500	>500	/	/	/
耐电压 Withstand voltage	041-045	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

项目 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
		接触电阻 Contact resistance (单位Unit:mΩ)	试验前	Sample1	9.4	8.9	8.9	8.2	10.4	-	-	-	-	10.4
Sample2	9.2			9.9	8.9	9.6	14.4	-	-	-	-	14.4	8.9	9.7
Sample3	8.7			9.1	9.2	9.1	9.1	-	-	-	-	9.2	8.7	9.7
Sample4	10.2			9.0	9.8	9.1	8.9	-	-	-	-	10.2	8.9	9.6
Sample5	9.3			9.0	10.5	9.6	8.8	-	-	-	-	10.5	8.8	9.6
试验后	Sample1		9.1	9.9	10.1	8.2	13.0	-	-	-	-	13.0	8.2	9.6
	Sample2		8.8	8.7	11.8	11.5	11.6	-	-	-	-	11.8	8.7	9.5
	Sample3		8.8	8.5	9.0	8.3	8.6	-	-	-	-	9.0	8.3	9.1
	Sample4		9.7	9.6	9.9	8.6	9.4	-	-	-	-	9.9	8.6	9.3
	Sample5		9.3	9.4	8.9	9.2	9.4	-	-	-	-	9.4	8.9	9.2

检 测 结 果  
Test Result

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表格编号：CWBDZ-QR-QC-123

<p>仪器设备名称 Name of instrument equipment</p>	 <p>高低温湿热试验箱 Temperature &amp; Humidity Cycling Chamber</p>	 <p>交直流绝缘耐压测试仪 DC/AC insulation and Dielectric Strength tester</p>	 <p>微欧计 Resistance Meter</p>
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序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2.金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.3	温度循环 Temperature cycling	把试验样品分别放入高、低温试验箱中, 按下列步骤调试温度: a) 在(-55±2)°C的恒温条件下放置0.5小时; b) 在(85±2)°C的恒温条件下放置0.5小时; 从a)到b)为一个循环, 周期温度转换时间应不大于5分钟, 共进行25个循环, 恢复(1~2)小时后检查 Mated connectors shall be tested under the following conditions Temperature °C      Duration 1 -55±2                      0.5h 2 Room Temp.                5 minutes Max. 3 +85±2                      0.5h 4 Room Temp.                5 minutes Max. Step 1 to 4 is one cycle, 25 cycles shall be tested, recovery time (1~2) hours <b>GB/T 5095.6 method 11d / EIA-364-32C</b>	046-050	外观: 无损伤 Appearance: no damage. 接触电阻: 25mΩ Max. Contact resistance: 25mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance: 500 MΩ Min. 耐电压: 500V Min. Withstand voltage: 500V 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 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
	试验后	046-050 无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/
绝缘电阻 Insulation resistance (单位Unit:MΩ)	046-050	>500	>500	>500	>500	>500	/	/	/
耐电压 Withstand voltage	046-050	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg	
	接触电阻 Contact resistance (单位 Unit:mΩ)	试验前	Sample1	11.0	13.1	8.7	10.0	9.8	-	-	-	-	13.1	8.7	9.5
Sample2		9.3	9.3	9.7	10.5	9.5	-	-	-	-	-	10.5	9.3	9.9	
Sample3		8.6	9.5	9.5	9.5	8.4	-	-	-	-	-	9.5	8.4	10.0	
Sample4		9.1	9.6	9.0	9.1	9.0	-	-	-	-	-	9.6	9.0	10.2	
Sample5		9.0	9.2	8.8	8.6	8.8	-	-	-	-	-	9.2	8.6	10.4	
试验后		Sample1	10.2	14.0	11.0	16.3	12.2	-	-	-	-	-	16.3	10.2	10.5
Sample2		10.3	8.6	9.5	14.1	9.2	-	-	-	-	-	14.1	8.6	9.9	
Sample3		10.5	9.5	9.6	10.1	9.2	-	-	-	-	-	10.5	9.2	9.8	
Sample4		9.1	13.1	9.7	9.4	9.9	-	-	-	-	-	13.1	9.1	9.8	
Sample5		9.1	9.3	9.3	9.1	10.0	-	-	-	-	-	10.0	9.1	9.4	

# 检测结果 Test Result

报告编号:  
Report No.

202203029

表格编号: CWBDZ-QR-QC-123

<p>仪器设备名称 Name of instrument equipment</p>	 <p>温度-湿度-振动综合环境试验箱 Temperature &amp; Humidity Cycling &amp; Vibration Chamber</p>	 <p>交流绝缘耐压测试仪 DC/AC insulation and Dielectric Strength tester</p>	 <p>微欧计 Resistance Meter</p>
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# 检测 结 果

## Test Result

报告编号:  
Report No.

202203029

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.4	盐雾 Salt spray	把试验样品从试验箱顶悬挂下来, 采用浓度为(5±1)%(质量百分比)的氯化钠溶液, 在(35±2)°C温度下连续雾化48小时, 试验后用流动的蒸馏水轻轻洗去表面沉积物。在常温常湿条件下恢复(1~2)小时 48 hours spray, at temp (35±2)°C, NaCl mist concentration (5±1)%. After test wash parts and put it into room ambient for (1~2) hours <b>GB/T 5095.6 Method 11f /EIA-364-26B</b>	051-055	外观: 无损伤(五金件应无露出底金属的严重锈蚀;使用预镀好的型材, 其落料面允许有不影响其性能的轻微腐蚀。) Appearance: no damage (no erosion on material exposed. and plating material, slight erosion on the cutting surface is acceptable) 接触电阻: 25mΩ Max. Contact resistance: 25mΩ Max.	结果数据见下表	合格 Pass

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

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg						
外观 Appearance	试验前	051-055	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/					
	试验后	051-055	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/					
接触电阻 Contact resistance (单位 Unit:mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg	
	试验前	Sample1	9.0	12.3	9.2	8.6	10.1	-	-	-	-	-	12.3	8.6	9.7
		Sample2	9.3	12.6	10.1	9.3	10.3	-	-	-	-	-	12.6	9.3	10.0
		Sample3	11.1	9.8	9.0	10.3	8.9	-	-	-	-	-	11.1	8.9	10.7
		Sample4	9.7	10.8	8.6	8.0	8.4	-	-	-	-	-	10.8	8.0	11.7
		Sample5	8.9	9.1	10.3	8.3	9.3	-	-	-	-	-	10.3	8.3	14.5
	试验后	Sample1	10.1	14.8	8.9	8.8	15.6	-	-	-	-	-	15.6	8.8	16.2
		Sample2	11.6	19.1	9.9	15.6	13.0	-	-	-	-	-	19.1	9.9	17.4
		Sample3	13.0	9.8	11.7	28.0	11.4	-	-	-	-	-	28.0	9.8	18.5
		Sample4	63.9	14.1	10.2	11.5	15.6	-	-	-	-	-	63.9	10.2	20.4
Sample5		37.6	8.9	17.1	12.6	12.6	-	-	-	-	-	37.6	8.9	17.8	

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.

202203029

表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.5	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 After 7 hours exposure in ammonia chamber with 25 mL of 3% ammonia solution for every liter of chamber capacity	056-060	无应力腐蚀开裂 No stress corrosion cracking 接触电阻: 25mΩ Max. Contact resistance: 25mΩ Max.	结果数据见下表	合格 Pass

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

项目 Item	Sample		Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg					
外观 Appearance	试验前	056-060	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/					
	试验后	056-060	无应力腐蚀开裂 No stress corrosion cracking	无应力腐蚀开裂 No stress corrosion cracking	无应力腐蚀开裂 No stress corrosion cracking	无应力腐蚀开裂 No stress corrosion cracking	无应力腐蚀开裂 No stress corrosion cracking	/	/	/					
接触电阻 Contact resistance (单位 Unit: mΩ)	Sample		No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
	试验前	Sample1	9.6	8.6	8.7	8.8	11.1	-	-	-	-	-	11.1	8.6	9.3
		Sample2	8.9	8.8	10.5	8.9	8.6	-	-	-	-	-	10.5	8.6	9.6
		Sample3	11.6	11.1	8.8	10.5	11.3	-	-	-	-	-	11.6	8.8	10.8
		Sample4	9.7	9.0	9.0	9.0	8.2	-	-	-	-	-	9.7	8.2	17.9
		Sample5	8.8	8.2	8.8	8.7	8.4	-	-	-	-	-	8.8	8.2	18.5
	试验后	Sample1	10.2	11.2	11.6	9.9	9.9	-	-	-	-	-	11.6	9.9	20.5
		Sample2	23.9	13.1	17.6	10.8	10.6	-	-	-	-	-	23.9	10.6	23.0
		Sample3	81.7	35.9	14.0	14.6	85.1	-	-	-	-	-	85.1	14.0	25.6
		Sample4	9.5	17.9	11.0	9.1	12.0	-	-	-	-	-	17.9	9.1	15.3
Sample5		13.7	10.2	46.8	10.4	12.2	-	-	-	-	-	46.8	10.2	18.7	

仪器设备名称  
Name of instrument equipment



氨气装置  
Ammonia Plant



# 检测结果 Test Result

报告编号:  
Report No.

202203029



表格编号: CWBDZ-QR-QC-123

序号 No.	检测项目 Item	检测条件或方法 Condition & Method	样品编号 Sample No.	规格要求 Requirement	结果数据 Test Result	结论 Conclusion
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m <b>GB/T 5095.1 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.6	硫化氢气体测试 (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 Mated connectors exposed to the condition of temperature (40±2)°C, humidity (80±5)%, H2S gas concentration of (3±1)ppm for 96 hours	061-065	接触电阻: 25mΩ Max. Contact resistance: 25mΩ Max.	结果数据见下表	合格 Pass

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

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg	
外观 Appearance	试验前	061-065	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

接触电阻 Contact resistance (单位 Unit:mΩ)	Sample		No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
	试验前	Sample1	Sample2	8.8	8.2	9.7	8.1	8.7	-	-	-	-	-	9.7	8.1
	Sample3	Sample4	8.0	8.2	8.7	7.9	7.9	-	-	-	-	-	8.7	7.9	8.6
	Sample5	Sample6	8.5	8.3	8.2	8.1	8.3	-	-	-	-	-	8.5	8.1	9.1
	Sample7	Sample8	10.0	8.4	8.9	8.2	7.5	-	-	-	-	-	10.0	7.5	9.8
	Sample9	Sample10	9.8	7.8	7.7	8.1	8.0	-	-	-	-	-	9.8	7.7	10.1
试验后	Sample1	Sample2	11.3	8.4	10.0	8.2	11.3	-	-	-	-	-	11.3	8.2	10.3
	Sample3	Sample4	12.8	10.0	10.5	8.8	10.4	-	-	-	-	-	12.8	8.8	10.4
	Sample5	Sample6	10.4	12.4	11.9	11.6	13.6	-	-	-	-	-	13.6	10.4	10.4
	Sample7	Sample8	10.7	8.0	13.2	8.8	8.9	-	-	-	-	-	13.2	8.0	9.7
	Sample9	Sample10	11.0	7.7	11.2	7.7	9.3	-	-	-	-	-	11.2	7.7	9.4

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