

# 检测报告

## Test Report

报告编号: Report No:	202209002
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:	TJC50016 Series
曾用型号: Previous part No:	TJC50016 Series
收样日期: Date of Receipt:	2022/8/26
检测周期: Test periods:	2022/8/26~2022/9/16
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: 2022/9/16  
Issued Date of the report:



# 检测报告

## Test Report

报告编号:  
Report No.  
版号: A

202209002

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:	TJC50016 Series
生产单位 Manufacturer	浙江合兴电子元件有限公司 CWB Electronics(Zhejiang) CO.,LTD.		曾用型号: Previous part No.:	TJC50016 Series
生产方地址 Producer Add.	浙江省乐清市虹桥镇幸福东路1098号 No.1098,East Xingfu Road,Hongqiao, Yueqing,Zhejiang		收样日期: Date of Receipt:	2022/8/26
样品数量 Sample Qty.	85pcs		检测周期 Test Periods	2022/8/26~2022/9/16
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	(24.0~25.4)°C, (53.6~57.3)%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PS4124检测. Test According to product specification PS4124.			
检测仪器: Test instrument:				
序号 No.	仪器名称 Instrument Name		设备编号 Instrument No.	计量有效期 Valid date to
1	微欧计 Resistance Meter		SY-EG135	2023/4/30
2	数显测力计 Ergometer		SY-FC030	2022/11/30
3	万能拉力试验机 Universal tensile testing machine		SY-FG024	2023/7/29
4	高低温湿热试验箱 Temperature & Humidity Cycling Chamber		SY-TA110	2022/12/30
5	高低温湿热试验箱 Temperature & Humidity Cycling Chamber		SY-TA015	2022/8/30
6	高低温湿热试验箱 Temperature & Humidity Cycling Chamber		SY-TA117	2023/2/28
7	温度冲击试验箱 Temperature & Humidity Cycling & Vibration Chamber		SY-TA092	2023/3/30
8	盐雾腐蚀试验箱 Salt spray Chamber		SY-Z011	2023/7/29
9	数据采集器 Data Acquisition Unit		SY-TA106	2023/4/30
10	多量程直流电源 Multi range DC power supply		SY-EG133	2023/4/30
11	电动振动台 Electric vibration table		TC-FG018	2023/7/29
12	落体式冲击试验台 Fall concussion test-beds		TC-FG023	2023/7/29
13	瞬断仪 Transient breaking instrument		TC-EG142	2022/12/30
14	智能交直流耐压绝缘测试仪 Aptitude AC/DC Voltage resistance		SY-EG062	2023/6/30

### 声明

- 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

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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 5095.2 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。 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	端子固定力 Retention force for contact	应测量将端子沿轴线方向拔出孔座的力, 测试速度不大于25 mm/min。 The force of pulling the contact 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	拔出力 (Retention force) Min: 30N	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	拔出力 (Retention) Min	75.5	71.3	78.5	76.2	73.1	78.5	71.3	74.9
仪器设备名称 Name of instrument equipment	 数显测力计 Ergometer								

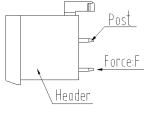
# 检测结果

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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 5095.2 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。 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	针的固定力 Post retention force	沿插针轴线方向施加推力, 测量将插针从塑件上分离的力, 测试速度不大于25 mm/min。 The end of a post shall be pushed in a direction perpendicular to a wafer. The load required to make the post start moving from the wafer shall be measured. (Testing speed: <25 mm/min.) <b>GB/T 5095.8 Method 15a / EIA-364-29B</b> 	001~005	20N Min.	结果数据见下表	合格 Pass

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

项目 Item	Sample	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 Post retention force (单位 Unit:N)	Sample1	33.2	31.7	-	-	-	-	-	-	-	-	33.2	31.7	32.5
	Sample2	36.2	34.5	-	-	-	-	-	-	-	-	36.2	34.5	35.4
	Sample3	35.0	36.2	-	-	-	-	-	-	-	-	36.2	35.0	35.6
	Sample4	36.2	34.9	-	-	-	-	-	-	-	-	36.2	34.9	35.6
	Sample5	36.4	34.6	-	-	-	-	-	-	-	-	36.4	34.6	35.5

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 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 5095.2 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。 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	插簧与插针的插入力 Insertion 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插簧, 测试速度不大于25 mm/min.。 Insert the pin contact into the socket contact in the direction of the terminal axis (Testing speed: <25 mm/min.) <b>GB/T 5095.7 Method 13b / EIA-364-13B</b>	006~010	插入力 (Insertion) Max: 7N	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	6.6	6.2	6.6	6.4	6.2	6.6	6.2	6.4
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 <b>GB/T 5095.2 Method 1a</b>	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								
6.1.5	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10次拔出力, 测试速度不大于25 mm/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 10th. shall be measured. (Testing speed: <25 mm/min.) <b>GB/T 5095.7 Method 13b / EIA-364-13B</b>	011~015	<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <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>十次后拔出力 (Withdrawal 10th Min.)</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>14N</td> <td>3N</td> <td>2N</td> </tr> </tbody> </table>	No. of poles	首次插入力 (Insertion 1st Max.)	首次拔出力 (Withdrawal 1st Min.)	十次后拔出力 (Withdrawal 10th Min.)	2	14N	3N	2N	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.)	十次后拔出力 (Withdrawal 10th Min.)											
2	14N	3N	2N											

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.	/	/	/	
2Pin	首次插入力 Insertion 1st(Max)	12.2	9.4	13.2	10.2	11.4	13.2	9.4	11.3
	首次拔出力 Retention1st(Min)	12.7	9.8	11.4	10.5	10.4	12.7	9.8	11.0
	第10次拔出力 Retention10st(Min)	13.3	8.0	12.5	9.4	10.4	13.3	8.0	10.7

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

报告编号:  
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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 5095.2 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。 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	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	RV-90 0.3mm <sup>2</sup> : 45N 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	RV-90 0.3mm <sup>2</sup>	95.7	95.3	96.2	97.4	95.6	97.4	95.3	96.0

仪器设备名称  
Name of instrument equipment



数显测力计  
Ergometer

# 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 5095.2 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。 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	插合连接器, 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>	016-020	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max. 电流中断时间: 1μsec Max Current interruption: 1μsec Max	结果数据见下表	合格 Pass

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

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg	
外观 Appearance	试验前	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.	/	/	/
电流中断时间 Current interruption	016-020	<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	
	接触电阻 Contact resistance (单位 Unit:mΩ)	试验前	Sample1	4.9	5.2	-	-	-	-	-	-	-	-	5.2	4.9	5.1
Sample2			5.1	4.7	-	-	-	-	-	-	-	-	5.1	4.7	4.9	
Sample3			4.9	5.1	-	-	-	-	-	-	-	-	-	5.1	4.9	5.0
Sample4			5.2	4.9	-	-	-	-	-	-	-	-	-	5.2	4.9	5.1
Sample5			5.2	4.8	-	-	-	-	-	-	-	-	-	5.2	4.8	5.0
试验后		Sample1	5.3	5.7	-	-	-	-	-	-	-	-	-	5.7	5.3	5.5
		Sample2	5.3	5.1	-	-	-	-	-	-	-	-	-	5.3	5.1	5.2
		Sample3	5.4	5.6	-	-	-	-	-	-	-	-	-	5.6	5.4	5.5
		Sample4	5.6	5.4	-	-	-	-	-	-	-	-	-	5.6	5.4	5.5
		Sample5	5.6	5.1	-	-	-	-	-	-	-	-	-	5.6	5.1	5.3





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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>振动台 Vibration Tester</p>	 <p>微欧计 Resistance Meter</p>
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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 5095.2 Method 1a</b>	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
6.1.8	机械寿命 Durability	以每分钟10次的速度插拔50次 50 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>	011~015	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格 Pass

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

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg
外观 Appearance	试验前	011~015 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	011~015 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	5.0	4.9	-	-	-	-	-	-	-	-	5.0	4.9
Sample2		4.7	4.7	-	-	-	-	-	-	-	-	4.7	4.7	4.7
Sample3		5.2	4.7	-	-	-	-	-	-	-	-	5.2	4.7	5.0
Sample4		5.1	5.0	-	-	-	-	-	-	-	-	5.1	5.0	5.1
Sample5		4.8	4.9	-	-	-	-	-	-	-	-	4.9	4.8	4.9
试验后	Sample1	5.2	5.2	-	-	-	-	-	-	-	-	5.2	5.2	5.2
	Sample2	4.9	5.0	-	-	-	-	-	-	-	-	5.0	4.9	5.0
	Sample3	5.5	5.0	-	-	-	-	-	-	-	-	5.5	5.0	5.2
	Sample4	5.6	5.2	-	-	-	-	-	-	-	-	5.6	5.2	5.4
	Sample5	5.2	5.2	-	-	-	-	-	-	-	-	5.2	5.2	5.2

仪器设备名称 Name of instrument equipment	 <p>数显测力计 Ergometer</p>	 <p>微欧计 Resistance Meter</p>
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# 检 测 结 果

## Test Result

报告编号:  
Report No.

202209002

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 5095.2 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。 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	连接器完成品装配好后, 用电压降法测得连接器的接触电阻 After the connector is assembled, the contact resistance of the connector is measured using the voltage drop method <b>GB/T 5096.2 Method 2a / EIA-364-23B</b>	021-025	10 mΩ Max. (Initial) 20 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	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.	/	/	/

接触电阻 Contact resistance (单位:mΩ)	Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Max	Min	Avg
	Sample1	4.7	4.9	-	-	-	-	-	-	-	-	4.9	4.7	4.8
	Sample2	5.1	5.0	-	-	-	-	-	-	-	-	5.1	5.0	5.1
	Sample3	4.8	4.7	-	-	-	-	-	-	-	-	4.8	4.7	4.8
	Sample4	5.0	4.8	-	-	-	-	-	-	-	-	5.0	4.8	4.9
	Sample5	5.2	4.8	-	-	-	-	-	-	-	-	5.2	4.8	5.0

仪器设备名称  
Name of instrument equipment



微欧计  
Resistance Meter

# 检 测 结 果

## Test Result

报告编号:  
Report No.

202209002

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 5095.2 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。 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>	021-025	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1500 V AC (有效值),漏电流1 mA的电压作用,时间1min。 Apply a voltage of 1500 V AC (rms) and leakage current of 1 mA between adjacent contacts or ground cables for 1 minute. <b>GB/T 5095.2 Method 4a / EIA-364-20B</b>	021-025	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



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.

202209002

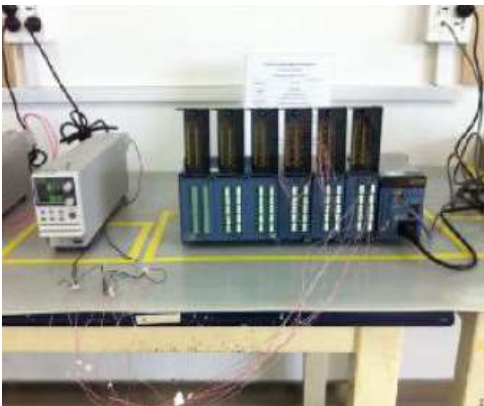
表格编号: CWBDZ-QR-QC-123

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 5095.2 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。 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. AWG#22: 3A <b>GB/T 5095.3 Method 5a / EIA-364-70A</b>	026-030	△30°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
AWG#22: 3A	19.7	21.5	20.7	20.6	19.8	-	-	-	-	-	21.5	19.7	20.5

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>
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# 检测 结 果

## Test Result

报告编号:  
Report No.

202209002

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 5095.2 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。 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 (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 Mated connectors exposed to the condition of (105±2)°C for 240 hours, recovery time (1~2) hours <b>GB/T 5095.6 Method 11i / EIA-364-17B</b>	031-035	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance: 500 MΩ Min. 耐电压: 1000V Min. 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	031-035 无损伤 No damage.	031-035 无损伤 No damage.	031-035 无损伤 No damage.	031-035 无损伤 No damage.	031-035 无损伤 No damage.	/	/	/
	试验后	031-035 无损伤 No damage.	031-035 无损伤 No damage.	031-035 无损伤 No damage.	031-035 无损伤 No damage.	031-035 无损伤 No damage.	/	/	/
绝缘电阻 Insulation resistance (单位Unit:MΩ)	031-035	>500	>500	>500	>500	>500	/	/	/
耐电压 Withstand voltage	031-035	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	无损伤 No damage.	/	/	/

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	4.7	5.0	-	-	-	-	-	-	-	5.0	4.7	5.0
Sample2			4.8	5.1	-	-	-	-	-	-	-	-	5.1	4.8	5.1
Sample3			5.0	5.2	-	-	-	-	-	-	-	-	5.2	5.0	5.2
Sample4			4.9	5.2	-	-	-	-	-	-	-	-	5.2	4.9	5.3
Sample5			5.1	5.1	-	-	-	-	-	-	-	-	5.1	5.1	5.3
试验后		Sample1	5.1	5.5	-	-	-	-	-	-	-	-	5.5	5.1	5.4
		Sample2	5.3	5.6	-	-	-	-	-	-	-	-	5.6	5.3	5.4
		Sample3	5.5	5.5	-	-	-	-	-	-	-	-	5.5	5.5	5.4
		Sample4	5.1	5.6	-	-	-	-	-	-	-	-	5.6	5.1	5.4
		Sample5	5.6	5.3	-	-	-	-	-	-	-	-	5.6	5.3	5.5

# 检 测 结 果

## Test Result

报告编号：  
Report No.

202209002

表格编号：CWBDZ-QR-QC-123

仪器设备名称  
Name of instrument  
equipment



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



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



微欧计  
Resistance Meter

# 检 测 结 果

## Test Result

报告编号:  
Report No.

202209002

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 5095.2 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。 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96h, 取出恢复(1~2)小时后检查。 Mated connector exposed to the condition of (40±2)°C (90~95)% humidity for 240 hours, recovery time (1~2)hours. <b>GB/T 5095.6 Method 11c /EIA-364-31B</b>	036-040	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance: 500 MΩ Min. 耐电压: 1000V Min. 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	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	4.7	5.2	-	-	-	-	-	-	-	-	5.2	4.7	5.1
		Sample2	5.2	5.2	-	-	-	-	-	-	-	-	5.2	5.2	5.1
		Sample3	5.1	4.7	-	-	-	-	-	-	-	-	5.1	4.7	5.2
		Sample4	5.0	5.1	-	-	-	-	-	-	-	-	5.1	5.0	5.3
		Sample5	5.2	5.1	-	-	-	-	-	-	-	-	5.2	5.1	5.3
	试验后	Sample1	5.0	5.6	-	-	-	-	-	-	-	-	5.6	5.0	5.4
		Sample2	5.6	5.4	-	-	-	-	-	-	-	-	5.6	5.4	5.5
		Sample3	5.6	5.0	-	-	-	-	-	-	-	-	5.6	5.0	5.4
		Sample4	5.4	5.5	-	-	-	-	-	-	-	-	5.5	5.4	5.5
Sample5		5.6	5.6	-	-	-	-	-	-	-	-	5.6	5.6	5.6	



# 检 测 结 果

## Test Result

报告编号:  
Report No.

202209002

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

## Test Result

报告编号:  
Report No.

202209002

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 5095.2 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。 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0.5h; b) 在(85±2)°C的恒温条件下放置0.5h; 从a)到b)为一个循环周期, 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)h 后检查。 Mated connectors shall be tested under the following conditions Temperature °C      Duration (Minutes) 1 -55                      30 2 +25                      5Max. 3 +85                      30 4 +25                      5Max. 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>	041-045	外观: 无损伤 Appearance: no damage. 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance: 500 MΩ Min. 耐电压: 1000V Min. 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	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.	/	/	/

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	4.7	5.0	-	-	-	-	-	-	-	-	-	5.0	4.7
Sample2		5.0	5.1	-	-	-	-	-	-	-	-	-	5.1	5.0	5.1
Sample3		5.0	4.8	-	-	-	-	-	-	-	-	-	5.0	4.8	4.9
Sample4		4.9	4.9	-	-	-	-	-	-	-	-	-	4.9	4.9	4.9
Sample5		5.1	4.9	-	-	-	-	-	-	-	-	-	5.1	4.9	5.0
试验后	Sample1	4.9	5.4	-	-	-	-	-	-	-	-	-	5.4	4.9	5.1
	Sample2	5.3	5.6	-	-	-	-	-	-	-	-	-	5.6	5.3	5.4
	Sample3	5.2	5.2	-	-	-	-	-	-	-	-	-	5.2	5.2	5.2
	Sample4	5.3	5.4	-	-	-	-	-	-	-	-	-	5.4	5.3	5.3
	Sample5	5.4	5.2	-	-	-	-	-	-	-	-	-	5.4	5.2	5.3

# 检 测 结 果

## Test Result

报告编号:  
Report No.

202209002

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.

202209002

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 5095.2 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。 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>	046-050	外观: 无损伤(五金件应无露出底金属的严重锈蚀;使用预镀好的型材, 其落料面允许有不影响其性能的轻微腐蚀。) Appearance: no damage (no erosion on material exposed. and plating material, slight erosion on the cutting surface is acceptable) 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格 Pass

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

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg						
外观 Appearance	试验前	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.	/	/	/						
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	5.1	5.1	-	-	-	-	-	-	-	-	5.1	5.1	5.1
		Sample2	5.0	5.0	-	-	-	-	-	-	-	-	5.0	5.0	5.0
		Sample3	5.0	5.2	-	-	-	-	-	-	-	-	5.2	5.0	5.1
		Sample4	5.1	4.9	-	-	-	-	-	-	-	-	5.1	4.9	5.0
		Sample5	4.9	5.0	-	-	-	-	-	-	-	-	5.0	4.9	5.0
	试验后	Sample1	6.0	5.8	-	-	-	-	-	-	-	-	6.0	5.8	5.9
		Sample2	5.7	5.6	-	-	-	-	-	-	-	-	5.7	5.6	5.7
		Sample3	5.5	5.8	-	-	-	-	-	-	-	-	5.8	5.5	5.7
		Sample4	6.0	5.8	-	-	-	-	-	-	-	-	6.0	5.8	5.9
Sample5		5.5	5.7	-	-	-	-	-	-	-	-	5.7	5.5	5.6	

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.

202209002

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 5095.2 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。 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±3)°C、湿度75%、H2S 气体浓度为3ppm 的环境中放置96 小时。 Mated connectors exposed to the condition of temperature (40±3) °C, humidity 75%, H2S gas concentration of 3ppm for 96 hours.	051-055	外观: 无影响性能的损伤 Appearance: no damage to performance 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.	结果数据见下表	合格 Pass

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

项目 Item	Sample	Sample1	Sample2	Sample3	Sample4	Sample5	Max	Min	Avg	
外观 Appearance	试验前	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	4.7	4.9	-	-	-	-	-	-	-	-	4.9	4.7
Sample2			5.1	5.0	-	-	-	-	-	-	-	-	5.1	5.0	5.7
Sample3			5.1	5.1	-	-	-	-	-	-	-	-	5.1	5.1	6.5
Sample4			4.7	5.1	-	-	-	-	-	-	-	-	5.1	4.7	7.3
Sample5			5.2	4.7	-	-	-	-	-	-	-	-	5.2	4.7	8.1
试验后		Sample1	8.0	9.0	-	-	-	-	-	-	-	-	9.0	8.0	8.7
		Sample2	9.0	9.1	-	-	-	-	-	-	-	-	9.1	9.0	8.7
		Sample3	8.8	9.3	-	-	-	-	-	-	-	-	9.3	8.8	8.6
		Sample4	8.8	9.6	-	-	-	-	-	-	-	-	9.6	8.8	8.4
		Sample5	7.8	7.6	-	-	-	-	-	-	-	-	7.8	7.6	7.7

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

## Test Result

报告编号:  
Report No.

202209002

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 5095.2 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。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass				
6.3.7	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	无应力腐蚀开裂 No stress corrosion cracking	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	/	/	/
仪器设备名称 Name of instrument equipment		 <p style="text-align: center;">氨气装置 Ammonia Plant</p>								

# 检测 结 果

## Test Result

报告编号:  
Report No.

202209002

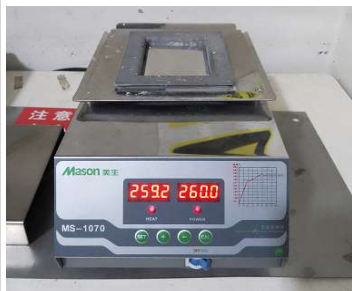
表格编号: CWBDZ-QR-QC-123

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 5095.2 Method 1a</b>	061-070	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	合格 Pass	合格 Pass
6.3.5	可焊性 Solderability	把试验样品需要焊接的部位浸入焊锡炉中, 锡炉温度 (245±5) °C, 时间 (4~5) 秒。 Dip solder tails into the molten solder held at (245 ± 5) °C for (4~5) seconds <b>IPC EIA IPC JEDEC J STD 002E</b>	061-065	上锡率: ≥95% Solder coverage: ≥95%	结果数据见下表	合格 Pass
6.3.8	耐焊接热 Resistance to soldering heat	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。(温度曲线见图1) 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. (The temperature curve is shown in Figure 1)	066-070	外观: 无损伤 Appearance: no damage.	结果数据见下表	合格 Pass

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

项目 Item	Sample1	Sample2	Sample3	Sample4	Sample5
可焊性 Solderability	>95%	>95%	>95%	>95%	>95%
耐焊接热 Resistance to soldering heat	耐波峰焊热 Resistance to wave soldering heat	无损伤 no damage.	无损伤 no damage.	无损伤 no damage.	无损伤 no damage.
	手工焊接 Manual soldering	无损伤 no damage.	无损伤 no damage.	无损伤 no damage.	无损伤 no damage.

仪器设备名称  
Name of instrument equipment



焊锡炉  
Solder Tester



电烙铁  
Electric Soldering