

说明:

1. 胶芯: LCP 黑色; UL94V-0.
2. 端子: C2680 T=0.15mm, 半金镍1u" (功能区)
3. 外壳: SUS304 T=0.25mm, 镀镍
4. 额定电流: 1 A 最大.
5. 耐电压: 100V(AC) /1分钟 至少.
6. 接触阻抗: 50m Ω 最大.
7. 绝缘阻抗: 100M Ω 最小.
8. 插入力: 3.57 Kgf 最大.
9. 拔出力: 1.0 Kgf 初始 最小 ;测试后 0.81 Kgf 最小
10. 温度范围: -30°C~+80°C

④	CONTACT	----	5	Copper Alloy T=0.20	Au/Sn Plated,Ni Under plated
③	SHELL	----	1	Stainless Steel T=0.25	Ni/Cu PLATED
②	COVER	----	1	Stainless Steel T=0.25	Ni/Cu PLATED
①	HOUSING	----	1	LCP	Black,UL94V-0
NO	PART	P/N	NUM	MATERIAL	MARK

HAOFU ELECTRONCS TECHNOLOGY CO.,LTD

COPYRIGHT RESERVED,PLEASE DO NOT COPY.

PART NAME		CONNECTOR		DRAWING		Y,C,ZHANG		DWG.No.		SBICL	
PART NO.		MICRO 5P BH2.5 WSL1.0		CHECK		G.C.Chen		REV.		A1	
UNIT : mm	TOLERANCE OTHERWISE	UP TO 5 ABOVE 5~30 ABOVE 30 ANGLE	±0.2 ±0.3 ±0.5 ±3°	ANGLE	APPROVAL		DATE		06-05-18		
					SCALE		PAGE		1 OF 1		

产品规格书

LANGUAGE
语言

ENGLISH/CHINESE
英/中

1.SCOPE[适用范围]

This specification covers the MICRO USB CONNECTOR TYPE
[本规范适用于 MICRO USB CONNECTOR TYPE]

2.PRODUCT NUMBER AND PART NAME[产品料号及产品名称]

Product Name[产品品名]	Product Number[产品料号]
MICRO USB CONNECTOR TYPE	MICRO 5P BH2.5 WSL1.0 卷边

3.CONSTRUCTION & COMPONENTS[构造&组成零件]

Based on construction drawing[依照工程图]

4.RATINGS[标准额定值]

Item[项目]	Standard[规格]
Rated voltage[额定电压]	30V AC rms Max.
Rated current[额定电流]	1A Max
Operating temperature[使用温湿度环境]	-30℃ ~ +80℃, 85% RH Max
Storage temperature[储存温湿度环境]	-40℃ ~ +60℃, 85% RH Max

5.TEST CONDITION[试验条件]

The test and measurement, unless otherwise specified, shall be carry out at a temperature of 15 to 35℃,

Relative humidity of 25 to 85%,and atmospheric of 86 to 106kPa.

However,when any doubt arises on the judgment value it,the test and measurement

shall be carry out at a temperature of 20±2℃,relative humidity of 60 to

70%,and atmospheric pressure of 86 to 106Pa.

[除非特别说明之外,一般试验及测理将于温度 15~35℃,相对湿度 25~85%,大气压力 86~106kPa 之条件下完成,但若于上述条件下有任何影响判定值的疑虑,可考量在温度 20±2℃,相对湿度 60~70%,大气压力 86~106kPa 之条件下完成试验

Appearance:By looking,there shall not be any abnormality such as deformity,exfoliation of plating,ETC,which can reduce performance,No defect such as cracks scratches or blemishes.

[外观:经目视观察,外观不可有变形,电镀脱落等会降低其功能的异常现象,也不可有严重破裂,刮伤或污损之缺点.

P/N: 料号:	TITLE: MICRO USB CONNECTOR TYPE 品名:		
SHEET 页码	1/4	REV./版本	A0

产品规格书

LANGUAGE

语言

ENGLISH/CHINESE

英/中

6.ELECTRICAL EFFICIENCY[电气特性]

NO. 编	Item/项目	Test Method/试验方法	Requirement /性能要求
6.1	Contact Current Rating [额定电流]	Measured at an ambient temperature of 25 °C, applied 250V AC test. [于室温 25 °C 下施加 250V AC 电压测试]	1A Max.
6.2	Applied Voltage Rating [额定电压]	30V AC(RMS.) continuous maximum, on any signal pin with respect to the shield. [在任一端子与端子, 端子与外壳间施加最大电压 30V AC 测试]	No Breakdown 无击穿
6.3	Contact Resistance [接触阻抗]	Mate connectors, Measure by dry circuit, 20mV Max, 100mA [公母对插后测试]	30mΩ Max
6.4	Insulation Resistance [绝缘阻抗]	Unmated connectors, apply 500V DC between adjacent terminal or ground. [公母不对插, 对相邻端子施加 500V DC 电压测试]	100MΩ Min
6.5	Withstanding Voltage [耐电压]	Unmated connectors, apply 100V AC for 1 minute between adjacent terminal or ground. [公母对插前对各端子施加 100V AC 电压持续 1 分钟测试.]	No Breakdown and Current loss: 1mA Max. 无击穿且漏电流 ≤ 1mA

7.MECHANICAL EFFICIENCY[机械特性]

7.1	Insertion force [插入力]	Measure mating force necessary to mate connector. Operation speed: 12.5mm/minute [测试一组公母对插之连接器所需之插入力, 测试速度 12.5mm/分钟]	35N Max
7.2	Withdrawal force [拔出力]	Measure unmating force necessary to mate connector. Operation speed: 12.5mm/minute [测试一组公母对插之连接器所需之拔出力, 测试速度 12.5mm/分钟]	10N Min
7.3	Contact retention [端子保持力]	Apply axial pull out force on the terminal assembled in the housing Operation speed: 12.5mm/minute [测试将端子由本体中拉出之保持力, 测试速度 12.5mm/分钟]	1kgf Min
7.4	Durability [耐久性]	Mated and unmated connectors up to 1500 cycles at a maximum rate of 200 cycles per hour [测试连接器在最大 200 次/小时的插拔速度下必须承受 1500 次的插拔循环]	Contact Resistance 接触阻抗 Change from initial: 30mΩ

P/N:

料号:

TITLE: MICRO USB CONNECTOR TYPE

品名:

SHEET
页码

2/4

REV./版本

A0

产品规格书

LANGUAGE
语言

ENGLISH/CHINESE
英/中

8. ENVIRONMENTAL EFFICIENCY AND OTHERS [环境及其它特性]

NO. 编	Item/项目	Test Method/试验方法	Requirement /性能要求	
8.1	Humidity Test [耐湿性测试]	Temperature: 40±2℃, Relative Humidity: 90 ~ 95% Duration: 7 cycles (168 hours) Upon completion of the test, specimens shall be conditioned at ambient room conditions for 1 ~ 2 hours [温度在 40±2℃, 相对湿度 90 ~ 95%, 持续 168 小时, 经试验后, 连接器于室温中放置 1 ~ 2 小时再测试其它值]	Appearance 外观	NO damage 不可破坏
			Contact Resistance 接触阻抗	Change from initial: 30mΩ
			Withstanding Voltage 耐电压	No breakdown 无击穿
8.2	Salt mist spray [盐水喷雾测试]	Salt concentration: 5%; Temperature: 35±1℃; Testing time: 24 hours, After salt is removed by running water and a drop is removed, it is measured. [盐水平重: 5%, 温度: 35±1℃, 试验时间 24 小时, 试验后用清水将残留盐份清洗, 并将水滴清除后, 方可再测试其它值]	Appearance 外观	NO damage 不可破坏
			Contact Resistance 接触阻抗	Change from initial: 30mΩ
8.3	Vibration [振动测试]	Amplitude: 1.52mm. Sweep time: 50 ~ 2000 ~ 50Hz Duration: 15 minutes in each (total of 45 minutes) X, Y, Z axes. Electrical load: DC 100mA [振幅: 1.52mm, 振动频率: 50 ~ 2000 ~ 50Hz, 振动时间: X、Y、Z 轴各 15 分钟共计 45 分钟, 载入电流: DC 100mA]	Appearance 外观	NO damage 不可破坏
			Contact Resistance 接触阻抗	Change from initial: 30mΩ
			Discontinuity 瞬断	1 μ Sec. Max
8.4	Thermal shock [冷热冲击测试]	Mate connectors together and perform the test as follows. 10 cycle of: A) -40℃ for 30 minutes; B) +85℃ for 30 minutes [将连接器做 10 个循环, 每个循环条件为: -40℃, 30 分钟; +85℃, 30 分钟]	Appearance 外观	NO damage 不可破坏
			Contact Resistance 接触阻抗	Change from initial: 30mΩ
8.5	Heat test [耐热性测试]	The connector is exposed to 85±2℃ atmosphere for 48 hours. After testing it shall be left alone for 1 to 2 hours in room ambient. [将连接器置于 85±2℃ 的温度环境下, 时间 48 小时; 结束后将其放置于室温下 1 ~ 2 小时再测试其他值]	Appearance 外观	NO damage 不可破坏
			Contact Resistance 接触阻抗	Change from initial: 30mΩ

P/N:

料号:

TITLE: MICRO USB CONNECTOR TYPE

品名:

SHEET
页码

3/4

REV./版本

A0

产品规格书

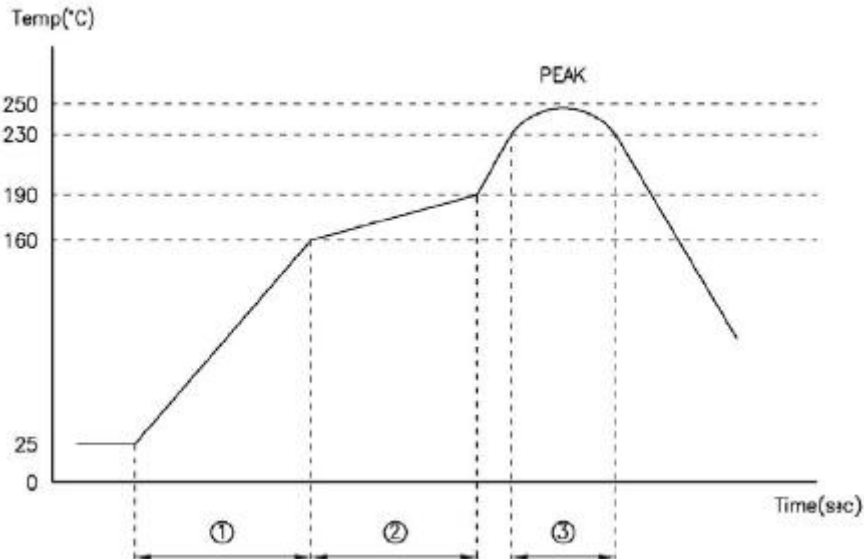
LANGUAGE
语言

ENGLISH/CHINESE
英/中

8. ENVIRONMENTAL EFFICIENCY AND OTHERS [环境及其它特性]

NO. 编	Item/项目	Test Method/试验方法	Requirement /性能要求	
8.6	Cold test [耐寒性测试]	The connector is exposed to $-40\pm 2^{\circ}\text{C}$ atmosphere for 48 hours. After testing it shall be left alone for 1 to 2 hours in room ambient. [将连接器置于 $-40\pm 2^{\circ}\text{C}$ 的温度环境下, 时间 48 小时; 结束后将其放置于室温下 1~2 小时再测试其他值]	Appearance 外观	NO damage 不可破坏
			Contact Resistance 接触阻抗	Change from initial: $30\text{m}\Omega$
8.7	Solderability [焊锡性测试]	Soldering time: 4 ~ 5 second (Use flux) Solder Temperature: $260\pm 5^{\circ}\text{C}$ [焊锡时间: 3 ± 0.5 秒(使用助焊剂), 焊锡温度: $260\pm 5^{\circ}\text{C}$]	95% min. of solder area [焊锡面积最小 95%]	
8.8	Resistance to Soldering Heat [焊锡耐热性]	Soldering Iron method Using the soldering iron, and the cored solder wire. It is applied to termination for 3+1/-0s at $350\pm 5^{\circ}\text{C}$. [手工焊接] [使用烙铁和芯线, 焊锡温度为 $350\pm 5^{\circ}\text{C}$, 时间为 3+1/-0s]	Appearance 外观	NO damage 不可破坏
		IR-reflow Soldering method Test connector on PCB. Pre-heat: $160 \sim 190^{\circ}\text{C}$; 120seconds Heat: 230°C Min; 40seconds Heat Peak: 250°C Max [回流焊接] [组装在 PCB 上做测试, 预热: $160 \sim 190^{\circ}\text{C}$; 120 秒; 加热: 230°C 以上; 40 秒 最高温度: 250°C 以下]	Appearance 外观	NO damage 不可破坏

Temperature Profile IR-Reflow Soldering:



Pre-Heating Zone ①; Temperature rise 1 ~ 4°C/sec

Pre-Heating Zone ②; $160 \sim 190^{\circ}\text{C}$ 120sec

Soldering Zone ③; Forty seconds over 230°C

PEAK temperature; Below 250°C

P/N: 料号:	TITLE: MICRO USB CONNECTOR TYPE 品名:		
SHEET 页码	4/4	REV./版本	A0

CPK

料号	E080002759					供应商:	东莞市皓富电子科技有限公司					日期:	2021/3/20			
品名	MICRO USB垫高2.5卷边											检验员:	谭小花			
单位: mm											确认:	苏亚				
规格值	6.60	6.30	4.75	6.00	7.40	2.50	4.55	7.15	1.85	2.60	4.85	1.75	3.70	6.90		
上限公差	0.050	0.050	0.050	0.100	0.050	0.050	0.050	0.100	0.080	0.050	0.050	0.100	0.050	0.060		
下限公差	0.050	0.050	0.050	0.100	0.050	0.050	0.050	0.100	0.020	0.050	0.050	0.100	0.050	0.020		
USL	6.650	6.350	4.800	6.100	7.450	2.550	4.600	7.250	1.930	2.650	4.900	1.850	3.750	6.960		
LSL	6.550	6.250	4.700	5.900	7.350	2.450	4.500	7.050	1.830	2.550	4.800	1.650	3.650	6.880		
Total Tol	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.200	0.100	0.100	0.100	0.200	0.100	0.080		
Xbar	6.600	6.275	4.736	6.080	7.434	2.483	4.554	7.174	1.831	2.600	4.855	1.795	3.708	6.916		
Stdv	0.001	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.018	0.002	0.003	0.002	0.003	0.002		
Zu	11.339	11.578	7.890	3.032	1.879	11.842	6.294	13.380	1.821	9.345	5.886	8.896	4.482	6.813		
Zl	11.382	3.930	4.378	26.734	10.121	5.783	7.492	21.772	0.024	9.264	7.313	23.694	6.119	5.522		
Cp	11.361	7.754	6.134	14.883	6.000	8.813	6.893	17.576	0.922	9.304	6.599	16.295	5.301	6.168		
Cpk	11.339	3.930	4.378	3.032	1.879	5.783	6.294	13.380	0.024	9.264	5.886	8.896	4.482	5.522		
Max	6.602	6.279	4.741	6.084	7.439	2.486	4.558	7.177	1.837	2.603	4.859	1.799	3.715	6.920		
Min	6.598	6.271	4.729	6.075	7.430	2.481	4.551	7.171	1.733	2.597	4.851	1.792	3.701	6.911		
DIMENSIONAL DATA																
数据	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
1	6.601	6.274	4.736	6.081	7.433	2.482	4.555	7.171	1.835	2.597	4.855	1.798	3.701	6.915		
2	6.600	6.278	4.738	6.084	7.431	2.483	4.554	7.177	1.834	2.597	4.858	1.795	3.702	6.916		
3	6.601	6.275	4.741	6.079	7.434	2.481	4.552	7.172	1.831	2.598	4.859	1.799	3.706	6.917		
4	6.602	6.277	4.740	6.075	7.438	2.486	4.551	7.175	1.836	2.598	4.857	1.792	3.711	6.918		
5	6.602	6.279	4.736	6.077	7.432	2.481	4.557	7.176	1.837	2.601	4.852	1.795	3.712	6.920		
6	6.599	6.273	4.738	6.075	7.432	2.486	4.552	7.172	1.833	2.602	4.851	1.795	3.705	6.914		
7	6.598	6.274	4.738	6.081	7.437	2.482	4.558	7.174	1.835	2.598	4.857	1.793	3.706	6.911		
8	6.601	6.278	4.735	6.082	7.439	2.483	4.555	7.173	1.834	2.603	4.856	1.795	3.708	6.914		
9	6.600	6.274	4.732	6.080	7.433	2.481	4.553	7.175	1.836	2.599	4.855	1.796	3.704	6.918		
10	6.601	6.275	4.736	6.075	7.431	2.483	4.554	7.171	1.834	2.600	4.856	1.794	3.712	6.917		
11	6.598	6.276	4.738	6.078	7.435	2.481	4.552	7.177	1.835	2.601	4.857	1.798	3.715	6.917		
12	6.599	6.274	4.736	6.079	7.436	2.483	4.551	7.172	1.831	2.602	4.853	1.799	3.711	6.914		
13	6.602	6.278	4.733	6.079	7.432	2.481	4.557	7.175	1.836	2.598	4.859	1.792	3.706	6.916		
14	6.598	6.275	4.736	6.080	7.438	2.486	4.552	7.176	1.837	2.599	4.857	1.795	3.708	6.914		
15	6.599	6.272	4.739	6.082	7.435	2.482	4.558	7.172	1.833	2.599	4.852	1.795	3.708	6.917		
16	6.601	6.275	4.732	6.082	7.432	2.483	4.553	7.172	1.831	2.598	4.851	1.793	3.706	6.918		
17	6.602	6.278	4.733	6.081	7.431	2.481	4.556	7.174	1.836	2.601	4.858	1.795	3.704	6.917		
18	6.600	6.274	4.735	6.079	7.433	2.486	4.558	7.173	1.837	2.602	4.856	1.796	3.708	6.918		
19	6.598	6.273	4.736	6.078	7.438	2.481	4.557	7.175	1.831	2.598	4.855	1.795	3.706	6.912		
20	6.599	6.272	4.738	6.079	7.435	2.486	4.557	7.171	1.836	2.603	4.856	1.798	3.709	6.914		
21	6.598	6.274	4.736	6.081	7.436	2.482	4.552	7.177	1.835	2.599	4.857	1.796	3.708	6.918		
22	6.601	6.278	4.735	6.082	7.435	2.483	4.555	7.172	1.831	2.600	4.853	1.794	3.708	6.914		
23	6.602	6.271	4.738	6.078	7.438	2.481	4.556	7.176	1.836	2.601	4.857	1.793	3.711	6.918		
24	6.601	6.278	4.738	6.079	7.432	2.483	4.552	7.172	1.837	2.602	4.853	1.798	3.708	6.917		
25	6.598	6.275	4.729	6.081	7.438	2.481	4.553	7.172	1.833	2.598	4.859	1.794	3.710	6.917		
26	6.599	6.274	4.730	6.082	7.437	2.483	4.551	7.174	1.831	2.599	4.857	1.795	3.706	6.914		
27	6.599	6.277	4.734	6.079	7.436	2.481	4.555	7.173	1.836	2.599	4.852	1.793	3.704	6.916		
28	6.601	6.274	4.735	6.077	7.431	2.486	4.557	7.175	1.837	2.602	4.851	1.795	3.708	6.914		
29	6.602	6.278	4.736	6.082	7.438	2.481	4.552	7.176	1.831	2.601	4.857	1.798	3.706	6.912		
30	6.599	6.275	4.733	6.081	7.431	2.486	4.551	7.175	1.836	2.598	4.856	1.794	3.709	6.914		
31	6.602	6.278	4.735	6.081	7.430	2.482	4.556	7.175	1.837	2.599	4.858	1.799	3.708	6.918		
32	6.600	6.275	4.737	6.079	7.432	2.483	4.557	7.174	1.733	2.601	4.853	1.796	3.713	6.917		

Dimension Inspection Report

PN	E080002759	供应商名称 Supplier Name	东莞市皓富电子科技有限公司		
物料名称 Product Name	Miceo USB母座, USB卷口边, 7.4*6.6*H3.93mm. 型号: Micro 5P BH2.5 WSL1.0卷边	测量人员Tester	张也成		
版次 Rev	T1	MR号	日期 Date	2021/3/20	

测试仪器 Equipment:

A.工具显微镜 B.千分尺 C.卡尺 D.钢卷(直)尺 E.塞规 F.高度尺 G.万用表
H.光功率计 I.光谱仪 J.漏电流测试仪 K.显微镜 L.数字磁通计 M.影像测试仪 N.中心距卡尺

NO.	spec (mm)	+Tol	-Tol	1#	2#	3#	4#	5#	Pass/Fail	测量仪器	Remark
1	6.60			6.6100	6.6100	6.6300	6.6000	6.6200		M	
2	0.29			0.290	0.290	0.285	0.290	0.290		M	
3	4.75			4.760	4.750	4.750	4.780	4.760		M	
4	7.40			7.4000	7.4100	7.4200	7.4100	7.4100		M	
5	5.00			5.0000	5.0100	5.0100	5.0200	5.0100		C	
6	1.85+0.08/-0.02	1.93	1.83	1.85	1.86	1.85	1.85	1.87		M	
7	6.9+0.06/-0.02	6.96	6.88	6.92	6.91	6.90	6.92	6.92		M	
8	4.55			4.5500	4.5540	4.5510	4.5460	4.5520		M	
9	7.15			7.1520	7.1600	7.1500	7.1520	7.1700		M	
10	1.85			1.8520	1.8520	1.8510	1.8530	1.8600		M	
11	2.50			2.5120	2.5070	2.5010	2.5030	2.5130		M	
12	0.85			0.8510	0.8530	0.8490	0.8500	0.8520		C	
13	0.65			0.6510	0.6512	0.6530	0.6500	0.6520		M	
14	2.60			2.6150	2.6100	2.6102	2.6130	2.6200		M	
15	8.00			8.01	8.00	8.02	8.03	8.03		M	
16	0.78±0.2	0.98	0.58	0.785	0.781	0.782	0.781	0.783		M	
17	0.55			0.5500	0.5500	0.5510	0.5520	0.5400		M	
18	1.07±0.2	1.27	0.87	1.0800	1.0720	1.0720	1.0700	1.0705		M	
19	1.00			1.0200	1.0000	1.0500	1.0200	1.0300		C	
20	1.75			1.7550	1.7600	1.7400	1.7450	1.7300		M	
21	3.70			3.6900	3.6800	3.7200	3.6900	3.6800		M	
22	1.02±0.2	1.22	0.82	1.0300	1.0400	1.0500	1.0200	1.0300		M	
23	0.1+0/-0.1	0.10	0.00	0.0500	0.0600	0.0500	0.0600	0.0500		M	
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											

备注Remark

未标公差部分全部按照±0.10mm;

Inspected by	Checked by	Approved by

东莞市皓富电子科技有限公司

盐水喷雾试验记录表 Salt Spray Test Report

送样厂商/单位	工程部	样品数量 Sample Q'ty	5PCS
样品名称 Sample Description	Miceo USB 母座, USB 卷口边, 7.4*6.6*H3.93mm. 型号: Micro 5P BH2.5 WSL1.0 卷边	氯化钠浓度 Sodium Chloride %	5%
试验时间 Test Time	2021/2/1	共(Total)计小时 (Hours)	24H
试验中若有中断,其原因为	N/A		
试验项目 Item	设定标准 Standard	试验记录 Test Port	
试验箱内温度 Test Humidity	3 5 C° ± 1 C°	3 5 C°	
饱和空气桶温度 Air tank temp.	4 7 C° ± 1 C°	4 7 C°	
试验箱内相对湿度 Chamber humidity	8 5 % 以上	9 0 %	
压缩空气压力 Air pressure	1 ± 0.1 k g / c m ²	1 k g / c m ²	
喷 雾 量 Spray amount	0 ~ 5 0 m l / 8 0 c m ² / H	3 5 m l / 8 0 c m ² / H	
升温时间 Temp. increase time	4 0 MIN	4 0 MIN	
容量 Capacity	喷雾 Spray	1 5 L	1 5 L
试验状况 Test conditions	试验前 Before Test		试验后 After Test
外观 Appearance	无氧化		无氧化
备注 Remark			
判定 Result	<input checked="" type="checkbox"/> 合格 Pass <input type="checkbox"/> 不合格 Fail		

审核 Approved by: 苏亚

测试 Test by: 谭小花

东莞市皓富电子科技有限公司

耐焊性测试记录表 Resistance to Solder Heat Test Report

送样厂商/单位 Mfg / Dept.	工程部	样品名称 Sample Name	Miceo USB 母座, USB 卷口边, 7.4*6.6*H3.93mm,型号: Micro 5P BH2.5 WSL1.0 卷	测试原因 Test Purpose	可靠性测试 Reliability Test
试验日期/时间 Test Date/Time	2021/2/2	实验室温度 Lab Temperature	23C°	样品数量 Sample Q'ty	5PCS
		湿度 Lab Humidity	65%RH		
试验标准 Test Standard		温度 Temp. <u>255C°-265C°</u> 时间 Time <u>5 Sec</u>			
试验编号 Sample No..		测试温度和时间 Temperature /Times e		测试结果 Test Result	
1		260C° ±5C°/5sec		OK	
2		260C° ±5C°/5sec		OK	
3		260C° ±5C°/5sec		OK	
4		260C° ±5C°/5sec		OK	
5		260C° ±5C°/5sec		OK	
备注 : Remarks: 1. method: Dip solder tails into the molten solder 1.0mm from terminal tip for 5 secnods. 2. Acceptance Standard:No damage,warp,deformation and melting.					
判定 Result <input checked="" type="checkbox"/> 合格 Pass <input type="checkbox"/> 不合格 Fail					

审核 Approved by: 苏亚

测试 Test by: 高梦瑶

东莞市皓富电子科技有限公司

绝缘阻抗测试记录表 Insulation Resistance Test Report

送样厂商/单位 Mfg / Dept.	工程部	样品名称 Sample Name	Mico USB 母座, USB 卷口边, 7.4*6.6*H3.93mm,型号: Micro 5P BH2.5 WSL1.0 卷	测试原因 Test Purpose	可靠性测试 Reliability Test
试验日期/时间 Test Date/Time	2021/2/2	实验室温度 Lab Temperature	23C°	样品数量 Sample Q'ty	5 PCS
		湿度 Lab Humidity	65%RH		
试验编号 Sample No..		测试结果 Test Result			
		外观 Appearance	绝缘阻抗 Insulation Resistance	判定 Result confirmation	备注 Remark
1		No damage	>100MΩ	Ok	
2		No damage	>100MΩ	Ok	
3		No damage	>100MΩ	Ok	
4		No damage	>100MΩ	Ok	
5		No damage	>100MΩ	Ok	
Test Condition	EIA 364-21 Unmate & unmount connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground				
Acceptance Level	a. insulation resistance : 100MΩ (min) b. Appearance : No damage				
总判定 Result	<input checked="" type="checkbox"/> 合格 Pass <input type="checkbox"/> 不合格 Fail				

审核 Approved by: 苏亚

测试 Test by: 高梦瑶

东莞市皓富电子科技有限公司

耐高压测试记录表 Dielectric Withstanding Voltage Test Report

送样厂商/单位 Mfg / Dept.	工程部	样品名称 Sample Name	Mico USB 母座, USB 卷口边, 7.4*6.6*H3.93mm,型号: Micro 5P BH2.5 WSL1.0 卷	测试原因 Test Purpose	可靠性测试 Reliability Test
试验日期/时间 Test Date/Time	2021/2/2	实验室温度 Lab Temperature	23C°	样品数量 Sample Q'ty	5PCS
		湿度 Lab Humidity	65%RH		
试验编号 Sample No..	测试结果 Test Result				
	外观 Appearance	漏电流 current leakage	判定 Result confirmation	备注 Remark	
1	No damage	< 0.5 mA	Ok		
2	No damage	< 0.5 mA	Ok		
3	No damage	< 0.5 mA	Ok		
4	No damage	< 0.5 mA	Ok		
5	No damage	< 0.5 mA	Ok		
Test Condition	EIA 364-20A Un-mate connectors: apply a voltage of 250 volts VAC for 1 minute between adjacent terminals and between terminals to ground.				
Acceptance Level	1. Appearance : No damage 2. current leakage : 0.5 mA (max)				
总判定 Result	<input checked="" type="checkbox"/> 合格 Pass <input type="checkbox"/> 不合格 Fail				

审核 Approved by: 苏亚

测试 Test by: 高梦瑶

东莞市皓富电子科技有限公司

接触阻抗测试记录表 Contact Resistance Test Report

送样厂商/单位 Mfg / Dept.	工程部	样品名称 Sample Name	Miceo USB 母座, USB 卷口边, 7.4*6.6*H3.93mm,型号: Micro 5P BH2.5 WSL1.0 卷	测试原因 Test Purpose	可靠性测试 Reliability Test
试验日期/时间 Test Date/Time	2021/2/2	实验室温度 Lab Temperature	23C°	样品数量 Sample Q'ty	5PCS
		湿度 Lab Humidity	65%RH		
试验编号 Sample No..		测试结果 Test Result			
		外观 Appearance	接触阻抗 Contact Resistance (Initial,unit: mΩ)		
1	No damage	12.4			
2	No damage	12.1			
3	No damage	12.4			
4	No damage	13.2			
5	No damage	12.5			
Test Condition	EIA 364-23 Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA.				
Acceptance Level	a. Initial Contact Resistance : 30 mΩ max. b. Appearance : No damage				
总判定 Result	<input checked="" type="checkbox"/> 合格 Pass <input type="checkbox"/> 不合格 Fail				

审核 Approved by: 苏亚

测试 Test by: 高梦瑶

东莞市皓富电子科技有限公司

连接器插入拔出力测试记录表 Connector Mating/Unmating Test Report

送样厂商/单位 Mfg / Dept.	工程部 Eng.	样品名称 Sample Name	Mico USB母座, USB卷口边, 7.4*6.6*H3.93mm,型号: Micro 5P BH2.5 WSL1.0卷边		测试原因 Test Purpose	可靠性测试 Reliability Test
试验日期/时间 Test Date/Time	2021/2/2	实验室温度 Lab Temperature	23C°		样品数量 Sample Q'ty	5PCS
		湿度 Lab Humidity	67%RH			
测试结果 Test Result						
Sample Pair No.	Mating/Unmating Force (Kgs)	Sample Pair No.	Mating/Unmating (Kgs)	Sample Pair No.	Mating/Unmaing (Kgs)	
1	1.18/1.26					
2	1.12/1.31					
3	1.16/1.24					
4	1.15/1.29					
5	1.09/1.28					
Test Condition	EIA 364-13 Mate and un-mate connector (male to female) at a rate of 25 mm per minute.					
Acceptance Level	a. Mating Force : 3.57 kgf max. b. Unmating Force : 1.00 kgf min. c. Durability: 3000 times.					
总判定 Result	<input checked="" type="checkbox"/> 合格 Pass <input type="checkbox"/>不合格 Fail					

审核 Approved by: 苏亚

测试 Test by: 高梦瑶