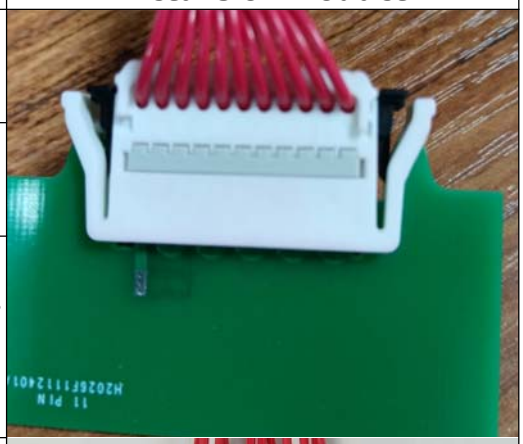
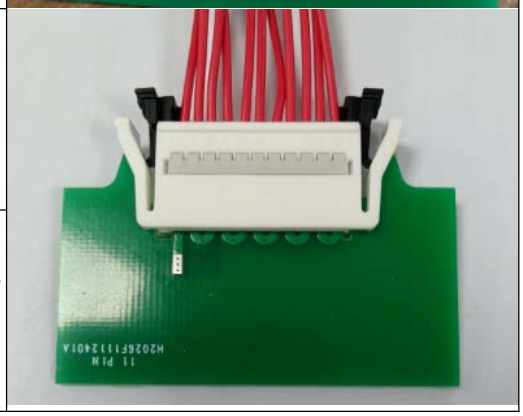
KONNRA	东莞市康瑞电子有限公司	
Product Specification(产品规格书)	**Issued By: Engineering Dept.**	
Subject (主题): 2.00mm Pitch KR2026 Series Connector Specification	**Date Issued**	2024/9/15
	Date Revised	2025/2/26
Document Number： PS-KR2026-01	**Revised /Edition**	A2

1.0 适用范围 (Scope)

此种规格包括2.00mm Pitch KR2026 Series 连接器规格说明，连接器适用于PCB厚度为1.60±0.10mm。

This Specification Covers the 2.00mm Pitch KR2026 Series Connector Specification，Connector Matting PCB Thickness 1.60±0.10mm。

2.0 规格与料号 (Spec and Part number)

规格内容 **Specification**	产品料号 **Production No.**	产品图示 **Picture of Product**
胶壳/Housing 180°&90°	H2026Vxxx2401A (180°) H2026Rxxx2401A (90°)	
端子/Terminal	T20260PT0101A	
锁扣/TPA	H202601**1911A（**代表P位 01，02以此类推）	
CPA_L CPA_R	H202601003022A （L件） H202601003021A （R件） 8P及以上需同时组装L件和R件， 8P以下R件和L件可以任意选择一件。	
后盖/Cover	H2026R1**0531A（**代表P位 01，02以此类推），（仅适用于90°规格）	

3.0 材质与表面处理 (Disposal of Material and surface)

规格内容 **Specification**	材 质 **Materials**	表面处理 **Disposal of Surface**
胶壳/Housing/后盖/Cover	PBT UL94 V-0	/
端子/Terminal	Phosphor bronze	Tin Plated Over Nickel
CPA/TPA	PA66 UL94 V-0	/

4.0 额定等级 (Ratings and applicable wires)

项 目 Item	规 格 Standard	
额定电压Rated Voltage (Max.)	125V	AC/DC
额定电流Rated Current (Max.)	3A	
使用温度范围Ambient temperature Range	-40℃~+125℃	
适用线径Applicable wire insulation O.D	0.35mm2，AWG 22# Insulation O.D. 1.4mm(Max.)	

5.0 电气性能 (Electrical Performance)

项 目 Item		条 件 Test Condition	规 格 Requirement
5.1	接触阻抗 Contact Resistance	公母配合,开放电压20mV 最大,电流100mA最大检测连接器A~B 区. Mate connectors, measure by dry circuit, 20mV MAX, 100mA MAX. (Based upon LV214)	10 milliohms Max.
5.2	绝缘阻抗 Insulation Resistance	公母配合,对相邻两接触导体,于1分钟内施加500V 的直流电,并量测其间绝缘阻抗. Mate connectors, Apply 500V DC for 1 minute between adjacent contacts to measure the insulation resistance. (Based upon LV214)	1000 Megohms Min.
5.3	耐电压 Dielectric Strength	公母配合,在相邻端子或端子与接地端之间,使用500V 的交流电1 分钟,检测连接器. Mate connectors, apply 500V AC for 1 minute between adjacent terminal or ground. (Based upon LV214)	无损毁或出现电火花 No Breakdown and Flashover

6.0 机械性能 (Mechanical Performance)

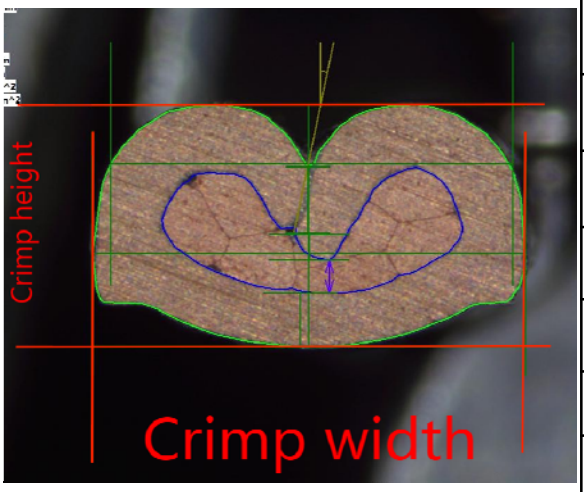
项 目 Item		条 件 Test Condition	规 格 Requirement
6.1	端子插入力 Terminal Insertion Force	铆线后之端子插入胶壳. Insert the crimped terminal into the housing.	5 N Max.
6.2	端子保持力 Terminal/ Housing Retention Force	以每分钟25.4±3mm的速率,将端子从Housing内轴向拔出的力量. Apply axial pull out force at the speed rate of 25.4±3mm/minute on the terminal assembled in the housing.	20 N Min.(No Lock) 50 N Min.(With Lock)
6.3	自锁装置强度 Lock Retention Force	配合连接器以25.4±3mm的速率,施加拔出力.Mate connectors and apply pull-out force at the speed rate of 25±3mm//minute.	50 N min.
6.4	电线抗拉强度 Tensile strength of wire	将铆压好的电线以50±3mm的速率，施加拔出力。Terminals Crimp wire ,apply pull-out force at the speed rate of 50±3mm//minute.	50 N min.

7.0 环境性能及其它 (Environmental Performance and Others)

<table>
<tr><th colspan="2">项 目
Item</th><th>条 件
Test Condition</th><th colspan="2">规 格
Requirement</th></tr>
<tr><td>7.1</td><td>耐久性
Durability</td><td>以每分钟不超过 10 次的速率,将公母插拔30次.
When mated up to 20 cycles repeatedly by the rate of 10 cycles per minute.
(Based upon LV214)</td><td>接触阻抗
Contact Resistance</td><td>20 milliohms Max.</td></tr>
<tr><td>7.2</td><td>温升测试
Temperature Rise</td><td>公母对插后,在通过额定电流下,所测定的温度.
Carrying rated current load.
(Based upon LV214)</td><td>温升测试
Temperature Rise</td><td>55℃ Max.</td></tr>
<tr><td rowspan="3">7.3</td><td rowspan="3">耐振动性
Vibration</td><td rowspan="3"><table><tr><th>频率/ Frequency（Hz）</th><th>PSD（（m/s²）²/Hz）</th><th>时间/Time</th><th>轴向/Axial</th></tr><tr><td>10</td><td>10</td><td rowspan="6">8h/每轴
8h per axis</td><td rowspan="6">X 轴、Y 轴、Z 轴
X-axis, Y-axis, Z-axis</td></tr><tr><td>55</td><td>3.25</td></tr><tr><td>180</td><td>0.125</td></tr><tr><td>300</td><td>0.125</td></tr><tr><td>360</td><td>0.07</td></tr><tr><td>1000</td><td>0.07</td></tr></table>(Based upon LV214)</td><td>外观
Appearance</td><td>无异状
No Damage</td></tr>
<tr><td>接触阻抗
Contact Resistance</td><td>20 milliohms Max.</td></tr>
<tr><td>瞬断
Discontinuity</td><td>1 micro-second Max.</td></tr>
<tr><td rowspan="3">7.4</td><td rowspan="3">耐冲击性
Shock</td><td rowspan="3"><table><tr><th>加速度
Acceleration</th><th>脉冲
Pulse</th><th>轴向
Axial direction</th><th>次数
Number of times</th><th>波形
Wave form</th></tr><tr><td>30g</td><td>6ms</td><td>±X、±Y、±Z</td><td>50 次/每轴向
50 times per axis</td><td>半正弦波
Half sine wave</td></tr></table>(Based upon LV214)</td><td>外观
Appearance</td><td>无异状
No Damage</td></tr>
<tr><td>接触阻抗
Contact Resistance</td><td>20 milliohms Max.</td></tr>
<tr><td>瞬断
Discontinuity</td><td>1 micro-second Max.</td></tr>
<tr><td>7.5</td><td>冷热冲击
Thermal Shock</td><td>高温/ High temperature:125℃，15min
低温/ Low temperature: -40℃，15min
转换时间/ Conversion time:<10s
测试/ Test: 144 个循环/ 144 cycles
(Based upon LV214)</td><td>外观
Appearance</td><td>无异状
No Damage</td></tr>
<tr><td></td><td></td><td></td><td>接触阻抗
Contact Resistance</td><td>20 milliohms Max.</td></tr>
</table>

<table>
<tr><th colspan="2">项 目
Item</th><th>条 件
Test Condition</th><th colspan="2">规 格
Requirement</th></tr>
<tr><td rowspan="4">7.6</td><td rowspan="4">高低温循环
Temperature Variation</td><td rowspan="4">检测条件/Test condition: 将试验连接器放入试验箱中，按下面的表格条件进行每周期为10h的20周期测试。/ Place the test connector into the test chamber and conduct 20 cycles of testing with each cycle lasting 10 hours according to the conditions in the table below.
<table><tr><th>序号/Serial number</th><th>温度/Temperature（℃）</th><th>时间/Time（h）</th><th>循环数/cycles</th></tr><tr><td>1</td><td>-40</td><td>降温/Cooling for 2</td><td rowspan="4">20</td></tr><tr><td>2</td><td>-40</td><td>保持/ Maintain for 3</td></tr><tr><td>3</td><td>125</td><td>升温/ Heat up for 2</td></tr><tr><td>4</td><td>125</td><td>保持/ Maintain for 3</td></tr></table>(Based upon LV214)</td><td>外观
Appearance</td><td>无异状
No Damage</td></tr>
<tr><td>接触阻抗
Contact Resistance</td><td>20 milliohms Max.</td></tr>
<tr><td>耐电压
Dielectric Strength</td><td>Must meet 5.3</td></tr>
<tr><td>绝缘阻抗
Insulation Resistance</td><td>100 Megohms Min.</td></tr>
<tr><td rowspan="2">7.7</td><td rowspan="2">高温老化
High temperature aging</td><td rowspan="2">高温High temperature 125℃，120H
(Based upon LV214)</td><td>外观
Appearance</td><td>无异状
No Damage</td></tr>
<tr><td>接触阻抗
Contact Resistance</td><td>20 milliohms Max.</td></tr>
<tr><td rowspan="2">7.8</td><td rowspan="2">盐水喷雾
Salt Spray</td><td rowspan="2">检测条件/Test condition: 将连接器存放在盐雾试验箱中2h，然后在40℃，93%RH的试验箱中保持22h，此为1个循环，重复4个循环后，取出在室温下静止3天,试验后连接器或端子无断裂、裂纹、腐蚀、扭曲变形等缺陷，镀层均匀、无叠积、空白与剥落。/ Store the connector in a salt spray test chamber for 2 hours, and then maintain it in a test chamber at 40 ℃ and 93% RH for 22 hours. This is one cycle, repeated for 4 cycles, and then take it out and let it stand at room temperature for 3 days. After the test, the connector or terminal has no defects such as fracture, crack, corrosion, distortion, etc., and the coating is uniform, without stacking, blank or peeling.
(Based upon LV214)</td><td>外观
Appearance</td><td>无异状
No Damage</td></tr>
<tr><td>接触阻抗
Contact Resistance</td><td>20 milliohms Max.</td></tr>
<tr><td>7.9</td><td>气体腐蚀
Gas corrosion</td><td>按照下面条件进行气体腐蚀测试，共21天。/ Conduct gas corrosion testing according to the following conditions for a total of 21 days.
<table><tr><td>H₂S/(10⁻⁹vol/vol)</td><td>10±5</td></tr><tr><td>NO₂/(10⁻⁹vol/vol)</td><td>200±20</td></tr><tr><td>Cl₂/(10⁻⁹vol/vol)</td><td>10±5</td></tr><tr><td>SO₂/(10⁻⁹vol/vol)</td><td>200±20</td></tr><tr><td>时间/Time</td><td>21 天/days</td></tr></table>(Based upon LV214)</td><td>外观
Appearance</td><td>无异状
No Damage</td></tr>
</table>

8.0 端子压接 (Terminal Crimping Specification)

Description	Wire Size		0.35 mm2	0.22 mm2
	①	Crimp width	1.50 Max	1.45Max
		Crimp height	0.85-0.90	0.83-0.88
	②	Crimp width	1.55 Max	1.55 Max
		Crimp height	1.50Max	1.40 Max
	Crimp strength (kgf)		5.0 Min.	4.54 Min.
	Stripping (mm)		1.8-2.1	
	①Conductor(mm) ②Insulation(mm)			

9.0 备注 (Remark)

有关规格书内容经变更或改版，如未能及时发布与通知，烦请联系我司业务人员提供产品最新资讯

Any change or revision for the product specification will not beannounced in advance.

Please contact our sales representative for the latest information.

Written: Robert Checked: / Approved: ZZN