地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

E-Tel: 0769-81769816 传真: 0769-87089563 E-mail: gya1688@gdgya.com QQ: 316563782 诚信通: gya旗舰店 网站: www.gdgya.com

| Product Specification [产品规格书]:                     | Document No  | PS-2026-01 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

This specification is referred to the 2.00mm series wire to board connector

# 索引【INDEX】

- 1. 适用范围 【Scope】
- 2. 规格与料号 【Spec and Part number】
- 3. 材质与表面处理 【Disposal of Material and surface】
- 4. 额定等级 【Ratings and applicable wires】
- 5. 性能 【 Performance 】
  - 5-1. 电气的性能【Electrical Performance.】
  - 5-2. 机械的性能【Mechanical Performance】
  - 5-3. 环境性能及其它【Environmental Performance and Others】
- 6. 综合插入力及拔出力 【 Insertion/Withdrawal Force 】

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 1 of 7

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

E-Tel: 0769-81769816 传真: 0769-87089563 E-mail: gya1688@gdgya.com QQ: 316563782 诚信通: gya旗舰店 网站: www.gdgya.com

| Product Specification [产品规格书]:                     | Document No  | PS-2026-01 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

# 【1.适用范围 Scope】

此种规格包括 2.00mm Pitch 2026-D Series 连接器规格说明.

This Specification Covers the 2.00mm Pitch 2026-D Series Connector Specification.

# 【2.规格与料号 Spec and Part number】

| 规格内容          | 产品料号                                     | 产品图示   |
|---------------|--|--|
| Specification | Production No.                           | Picture of Product   |
| 端子/Terminal   | 2026T-PSN-DX                             | Can wind   |
| 胶壳/Housing    | 2026H-2*XXD-N0                           | STATE OF THE STATE |
| 针座/Wafer      | 2026WV-2*XXDX-46SN<br>2026WR-2*XXDX-46SN | A Second   |

## 【3.材质与表面处理 Disposal of Material and surface 】

| 规格内容<br>Specification |       | 材质<br>Materials    | 表面处理<br>Disposal of Surface                   |
|-----------------------|-------|--------------------|---|
| 端子/Terminal           |       | 磷铜/Phosphor Bronze | Nickel Plated: 30u" Min ,Tin Plated: 80u" Min |
| 胶壳/Hou                | ısing | PA66               | UL 94V-0                                      |
| 61 ct 104 6           | Base  | PA46/LCP           | UL 94V-0                                      |
| 针座/Wafer              | PIN   | 黄铜/Brass           | Nickel Plated: 30u" Min ,Tin Plated: 80u" Min |

# (上述参数请以工程图为准/Please Refer to the Project drawing for the above Specification)

## 【4. 额定等级 Ratings and applicable wires】

| 项 目【Item】                           | 规 格 【Standard】               |              |  |  |
|-------------------------------------|------------------------------|--------------|--|--|
| 额定电压 Rated Voltage (Max.)           | 250V                         | [AC/DC]      |  |  |
| 额定电流 Rated Current (Max.)           | 额定电流 Rated Current (Max.) 3A |              |  |  |
| 使用温度范围 Ambient temperature Range    | -40℃~+105℃                   |              |  |  |
| 适用线径 Applicable wire insulation O.D | AVA/C#2226                   | 绝缘外径 O.D.    |  |  |
| 短用気性 Applicable Wife Insulation O.D | AWG#22~26                    | 1.60mm(Max.) |  |  |

【\*升温时含端子.Including terminal temperature rise. 】

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 2 of 7

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

| Product Specification [产品规格书]:                     | Document No  | PS-2026-01 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

# 【5.性能 PERFORMANCE】

# 5-1. 电气的性能 Electrical Performance.

|       | 项目 条件 规格                         |  |   |  |  |  |
|-------|----------------------------------|--|---|--|--|--|
|       | 【Item】                           | 【Test Condition】   | [Requirement]   |  |  |  |
| 5-1-1 | 接触阻抗<br>Contact<br>Resistance    | 公母配合,开放电压 20mV 以下,电流 10mA 检测连接器A~B区. Mate connectors, measure by dry circuit, 20mV MAX, 10mA. (Based upon EIA-364-06A).  | Initial:<br>30 milliohms Max.<br>After Test:<br>50 milliohms Max. |  |  |  |
| 5-1-2 | 绝缘阻抗<br>Insulation<br>Resistance | 公母配合,在相邻端子,端子与地片之间,使用 500V 的直流电,检测连接器. Mate connectors, apply 500V DC between adjacent terminal or ground. (Based upon EIA-364-21B / MIL-STD-202 Method 302 Cond.B)              | 1000 Megohms Min.   |  |  |  |
| 5-1-3 | 耐电压<br>Dielectric<br>Strength    | 公母配合,在相邻端子,端子与地片之间,使用 1000V 的交流电 1 分锺,检测连接器. Mate connectors, apply 1000V AC for 1 minute between adjacent terminal or ground. (Based upon EIA-364-20A / MIL-STD-202 Method 301) | 外观无损伤,无打火花<br>No Breakdown  |  |  |  |
| 5-1-4 | 阻抗 Contact<br>resistance on      | 铆线后之端子,开放电压 20mV 以下,电流 10mA 检测连接器. Crimp the applicable wire on to the terminal measure by dry circuit 20mV MAX, 10mA.   | 10 milliohms Max.   |  |  |  |

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 3 of 7

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

| Product Specification [产品规格书]:                     | Document No  | PS-2026-01 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

# 5-2. 机械的性能 Mechanical Performance.

|       | 项 目<br>【Item】                        | 条 件<br>【Test Condition】   | 规 格<br>【Requirement】          |
|-------|--------------------------------------|---|-------------------------------|
|       |                                      | 以每分锺 25.4±3mm 的速率插入和拔出. Insert and withdraw Connectors at the speed rate of 25.4±3mm/minute.  | ·                             |
| 5-2-1 | Insertion&Withdraw<br>Force          | PULL  | 参照第6项<br>Refer to paragraph 6 |
| 5-2-2 | 端子保持力                                | 以每分 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. | 14.7N {1.5kgf} Min.           |
| 5-2-3 | 端子插入力<br>Terminal Insertion<br>Force | 铆线后之端子插入 Housing 所需最大力量. Insert the crimped terminal into the housing.  | 9.8N {1.0kgf} Max.            |
| 5-2-4 |                                      | 以每分 25.4±3mm 的速率,将 PIN 针从 Wafer 内轴向拔出的力量. Apply axial push force at the speed rate of 25.4±3mm/minute.  |                               |

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 4 of 7

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

| Product Specification [产品规格书]:                     | Document No  | PS-2026-01 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

|                       | 项 目    | 条 件  | 规                                      | 林   | <u></u> |     |
|-----------------------|--------|--|--|-----|---------|-----|
|                       | 【Item】 | Test Condition   | [Requirement]                          |     |         |     |
|                       |        | 固定铆线后的端子,使电线与端子分离时所需的最   | AWG                                    | #22 | #24     | #26 |
|                       | 端子压着强度 | 小力量.<br>Fix the crimped terminal, apply axial pull out force<br>on the wire. (Do not crimp insulation part). | Spec.kgf.<br>Min.                      | 4.0 | 3.0     | 2.0 |
| 5-2-5 Crimped contact |        | Contact Wire Pulling load  | Note> As for unsp<br>specification def |     |         | - 1 |

# 5-3. 环境性能及其它 Environmental Performance and Others.

| 项 目   |  | 条件   | 规                             | 格                       |
|-------|--|--|-------------------------------|-------------------------|
|       | 【Item 】                                      | [Test Condition]   | 【Require                      | ement]                  |
| 5-3-1 | 重复插拔<br>Repeated<br>Insertion/<br>Withdrawal | 以每分锺不超过 10 次的速率,将公母插拔 30 次. When mated up to 30 cycles repeatedly by the rate of 10 cycles per minute.   | 接触阻抗<br>Contact<br>Resistance | 50 milliohms<br>Max.    |
| 5-3-2 | 温升测试<br>Temperature<br>Rise                  | 公母连接器配合后,加载额定电流直到温度上升<br>到稳定状态,然后再测量温升<br>(EIA364-70,Method 1)<br>Mating connectors shall be energized at rating<br>current until thermal stability is achieved, and<br>then measured the termperature rise.<br>(EIA364-70,Method 1) | 温升测试<br>Temperature rise      | 30℃ Max.                |
|       |  | 振幅: 1.5mm P-P<br>时间: 10~55~10 HZ in 1 minute   | 外观<br>Appearance              | 无异状<br>No Damage        |
| 5-3-3 | 振动测试<br>Vibration test                       | 持续时间: 每轴向 2 小时<br>Amplitude: 1.5mm P-P<br>Sweep time: 10~55~10 HZ in 1 minute<br>Duration: 2 hours in each X.Y.Z axials. (Based  | 接触阻抗<br>Contact<br>Resistance | 50 milliohms<br>Max.    |
|       |  | upon EIA-364-28B/MIL-STD-202 Method 213B<br>Cond.A)  | 瞬断<br>Discontinuity           | 1 micro-<br>second Max. |
|       |  | 在 X.Y.Z 上 6 个方向上,以 490m/s²(50g 的力量)  | • •                           | 无异状<br>No Damage        |
| 5-3-4 | 冲击测试<br>Shock test                           | X Y 7 axes Contact   | 50 milliohms<br>Max.          |                         |
|       |  | Method 213B Cond.A)  | 瞬断<br>Discontinuity           | 1 micro-<br>second Max. |

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 5 of 7

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

| Product Specification [产品规格书]:                     | Document No  | PS-2026-01 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | AO         |

|        |                        |  | 外观                               | 无异状                     |
|--------|------------------------|--|----------------------------------|-------------------------|
|        | 耐热性                    | 105±2℃,96 hours.   | Appearance                       | No Damage               |
| 5-3-5  | Heat Resistance        | (Based upon MIL-STD-202 Method 108A<br>Cond.A)   | 接触阻抗<br>Contact<br>Resistance    | 50 milliohms<br>Max.    |
|        | 耐寒性                    | -40±3℃,96 hours.   | 外观<br>Appearance                 | 无异状<br>No Damage        |
| 5-3-6  |                        | ( Based upon EIA-364-105)  | 接触阻抗<br>Contact<br>Resistance    | 50 milliohms<br>Max.    |
|        |                        | 温度: 40±2℃  | 外观<br>Appearance                 | 无异状<br>No Damage        |
|        | 耐湿性                    | 温度: 40±2℃<br>湿度: 90~95%(RH)<br>持续时间: 96 hours<br>Temperature: 40±2℃                      | 接触阻抗<br>Contact<br>Resistance    | 50 milliohms<br>Max.    |
| 5-3-7  | Humidity               | Relative Humidity: 90~95%  Duration: 96 hours (Based upon EIA-364-31A/MIL-STD-202        | 耐电压<br>Dielectric<br>Strength    | Must meet<br>5-1-3      |
|        |                        | Method 103B Cond.B)  | 绝缘阻抗<br>Insulation<br>Resistance | 500 Megohms<br>Min.     |
| 5-3-8  | 温度变化                   | 从-40℃持续 30 分锺升至+105℃持续 30 分锺,<br>循环 5 次.   | 外观<br>Appearance                 | 无异状<br>No Damage        |
| 3-3-6  | Temperature<br>Cycling | 5 cycles of: a) -40 °C 30 minutes.<br>b) +105 °C 30 minutes.<br>(Based upon EIA-364-32B) | 接触阻抗<br>Contact<br>Resistance    | 50 milliohms<br>Max.    |
| 5-3-9  | 盐水喷雾                   | 在温度 35±2℃,盐水浓度 5±1%下,盐水喷雾<br>24±1 小时.<br>24±1 hours exposure to a salt spray from the    | 外观<br>Appearance                 | 无异状<br>No Damage        |
| 3-3-9  | Salt Spray             | 5±1% solution at 35±2℃.<br>(Based upon EIA-364-26B/MIL-STD-202<br>Method 101D Cond.B).   | 接触阻抗<br>Contact<br>Resistance    | 50 milliohms<br>Max.    |
|        |                        | let like ver eine an der ande  |                                  | 浸过焊的样本的<br>电镀表面应是光      |
|        |                        | 焊接温度: 245±3℃.<br>浸锡时间: 3~5 秒.  |                                  | 滑的焊料<br>Plating surface |
| 5-3-10 |                        | Solder temperature: 245±3℃.  | Solder Wetting                   | of solder-dippin        |
|        | ability                | Immersion period: 3~5 seconds.   | 3                                | section of a            |
|        |                        | (Based upon EIA-364-52)  |                                  | specimen shall          |
|        |                        |  |                                  | be covered with         |
|        |                        |  |                                  | smooth solder           |

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 6 of 7

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

E-Tel: 0769-81769816 传真: 0769-87089563 E-mail: gya1688@gdgya.com QQ: 316563782 诚信通: gya旗舰店 网站: www.gdgya.com

| Product Specification [产品规格书]:                     | Document No  | PS-2026-01 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

# 【6.综合插入力及拔出力 INSERTION/WITHDRAWAL FORCE】 < Connector mating force>

| - W1 H 1H              | MITHOUS TO THE TOTAL TOTAL TO THE TOTAL TOTAL TOTAL TOTAL TOTAL TO THE TOTAL TOTAL TOTAL TOTAL T |   |                        |   |   |
|------------------------|--|---|------------------------|---|---|
| PIN 数<br>No. of<br>CKT | 初次插入力(最大值)<br>First Insertion<br>(kgf Max.)  | 30 次拔出力(最小值)<br>30 <sup>th</sup> Withdrawal<br>(kgf Min.) | PIN 数<br>No. of<br>CKT | 初次插入力(最大值)<br>First Insertion<br>(kgf Max.) | 30 次拔出力(最小值)<br>30 <sup>th</sup> Withdrawal<br>(kgf Min.) |
| Single                 | 1.00   | 0.05  | 2*12                   | 13.50                                       | 2.50  |
| 2*02                   | 3.50   | 0.50  | 2*13                   | 14.50                                       | 2.70  |
| 2*03                   | 4.50   | 0.70  | 2*14                   | 15.50                                       | 2.90  |
| 2*04                   | 5.50   | 0.90  | 2*15                   | 16.50                                       | 3.10  |
| 2*05                   | 6.50   | 1.10  | 2*16                   | 17.50                                       | 3.30  |
| 2*06                   | 7.50   | 1.30  | 2*17                   | 18.50                                       | 3.50  |
| 2*07                   | 8.50   | 1.50  | 2*18                   | 19.50                                       | 3.70  |
| 2*08                   | 9.50   | 1.70  | 2*19                   | 20.50                                       | 3.90  |
| 2*09                   | 10.50  | 1.90  | 2*20                   | 21.50                                       | 4.10  |
| 2*10                   | 11.50  | 2.10  | 2*30                   | 31.50                                       | 6.10  |
| 2*11                   | 12.50  | 2.30  |                        |   |   |

注: 以上插拔次数为 30 次 Note: Insertion and Withdrawal for 30Cycles

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 7 of 7

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

E-Tel: 0769-81769816 传真: 0769-87089563 E-mail: gya1688@gdgya.com QQ: 316563782 诚信通: gya旗舰店 网站: www.gdgya.com

| Product Specification [产品规格书]:                     | Document No  | PS-2026-02 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | AO         |

This specification is referred to the 2.00mm series wire to board connector

# 索引【INDEX】

- 1. 适用范围 【Scope】
- 2. 规格与料号 【Spec and Part number】
- 3. 材质与表面处理 【Disposal of Material and surface】
- 4. 额定等级 【Ratings and applicable wires】
- 5. 性能 【 Performance 】
  - 5-1. 电气的性能【Electrical Performance.】
  - 5-2. 机械的性能【Mechanical Performance】
  - 5-3. 环境性能及其它【Environmental Performance and Others】
- 6. 综合插入力及拔出力 【 Insertion/Withdrawal Force 】
- 7. SMT 回流条件【SMT REFLOW CONDITION】

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 1 of 8

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

E-Tel: 0769-81769816 传真: 0769-87089563 E-mail: gya1688@gdgya.com QQ: 316563782 诚信通: gya旗舰店 网站: www.gdgya.com

| Product Specification [产品规格书]:                     | Document No  | PS-2026-02 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

## 【1.适用范围 Scope】

此种规格包括 2.00mm Pitch 2026-D Series 连接器规格说明.

This Specification Covers the 2.00mm Pitch 2026-D Series Connector Specification.

# 【2.规格与料号 Spec and Part number】

| 规格内容<br>Specification | 产品料号<br>Production No.                     | 产品图示<br>Picture of Product |  |
|-----------------------|--|----------------------------|--|
| 端子/Terminal           | 2026T-PSN-DX                               | NONE                       |  |
| 胶壳/Housing            | 2026H-2*XXD-N0                             | NONE                       |  |
| 针座/Wafer              | 2026WVS-2*XXD-XXXXX<br>2026WRS-2*XXD-XXXXX | NONE                       |  |

#### 【3.材质与表面处理 Disposal of Material and surface 】

| 规格内容<br>Specification |      | 材 质<br>Materials          | 表面处理<br>Disposal of Surface                   |
|-----------------------|------|---------------------------|---|
| 端子/Terminal           |      | 磷铜/Phosphor Bronze        | Nickel Plated: 30u" Min ,Tin Plated: 80u" Min |
| 胶壳/Hous               | sing | PA66                      | UL 94V-0                                      |
| AL CT. DAL-S-         | Base | High-temperature material | UL 94V-0                                      |
| 针座/Wafer PIN          |      | 黄铜/Brass                  | Nickel Plated: 30u" Min ,Tin Plated: 80u" Min |

#### (上述参数请以工程图为准/Please Refer to the Project drawing for the above Specification)

#### 【4. 额定等级 Ratings and applicable wires】

| 项 目【Item】                           | 规 格【Standard】 |                        |  |  |
|-------------------------------------|---------------|------------------------|--|--|
| 额定电压 Rated Voltage (Max.)           | 250V          | 51000                  |  |  |
| 额定电流 Rated Current (Max.)           | 3A [AC/DC]    |                        |  |  |
| 使用温度范围 Ambient temperature Range    | -40°C ~+105°C |                        |  |  |
| 适用线径 Applicable wire insulation O.D | AWG#22~26     | 绝缘外径 O.D. 1.60mm(Max.) |  |  |

#### 【\*升温时含端子.Including terminal temperature rise. 】

| WRITTEN BY: Yangzhengguo | APPROVED BY: Lvtiansheng | Sheet: 2 of 8 |
|--------------------------|--------------------------|---------------|
|--------------------------|--------------------------|---------------|

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

| Product Specification [产品规格书]:                     | Document No  | PS-2026-02 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

# 【5.性能 PERFORMANCE】

# 5-1. 电气的性能 Electrical Performance.

| 项 目<br>【Item】 |                                  | 条 件<br>【Test Condition】  | 规 格<br>【Requirement】       |
|---------------|----------------------------------|--|----------------------------|
| 5-1-1         | 接触阻抗<br>Contact<br>Resistance    | 公母配合,开放电压 20mV 以下,电流 10mA 检测连接器A~B区. Mate connectors, measure by dry circuit, 20mV MAX, 10mA. (Based upon EIA-364-06A).  |                            |
| 5-1-2         | 绝缘阻抗<br>Insulation<br>Resistance | 公母配合,在相邻端子,端子与地片之间,使用 500V 的直流电,检测连接器. Mate connectors, apply 500V DC between adjacent terminal or ground. (Based upon EIA-364-21B / MIL-STD-202 Method 302 Cond.B)              | 1000 Megohms Min.          |
| 5-1-3         | 耐电压<br>Dielectric<br>Strength    | 公母配合,在相邻端子,端子与地片之间,使用 1000V 的交流电 1 分锺,检测连接器. Mate connectors, apply 1000V AC for 1 minute between adjacent terminal or ground. (Based upon EIA-364-20A / MIL-STD-202 Method 301) | 外观无损伤,无打火花<br>No Breakdown |
| 5-1-4         | 阻抗 Contact<br>resistance on      | 铆线后之端子,开放电压 20mV 以下,电流 10mA 检测连接器. Crimp the applicable wire on to the terminal measure by dry circuit 20mV MAX, 10mA.   | 10 milliohms Max.          |

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 3 of 8

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

| Product Specification [产品规格书]:                     | Document No  | PS-2026-02 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

## 5-2. 机械的性能 Mechanical Performance.

|                                  | 项 目<br>【Item】                        | 条 件<br>【Test Condition】   | 规 格<br>【Requirement】            |
|----------------------------------|--------------------------------------|---|---------------------------------|
|                                  | 1                                    | 以每分锺 25.4±3mm 的速率插入和拔出. Insert and withdraw Connectors at the speed rate of 25.4±3mm/minute.  |                                 |
| 5-2-1 Insertion&Withdra<br>Force |                                      | PULL L  | 参照第 6 项<br>Refer to paragraph 6 |
| 5-2-2                            | 端子保持力                                | 以每分 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. | 14.7N {1.5kgf} Min.             |
| 5-2-3                            | 端子插入力<br>Terminal Insertion<br>Force | 铆线后之端子插入 Housing 所需最大力量. Insert the crimped terminal into the housing.  | 9.8N {1.0kgf} Max.              |
| 5-2-4                            |                                      | 以每分 25.4±3mm 的速率,将 PIN 针从 Wafer 内轴向拔出的力量. Apply axial push force at the speed rate of 25.4±3mm/minute.  |                                 |

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 4 of 8

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

| Product Specification [产品规格书]:                     | Document No  | PS-2026-02 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

|       | 项 目                | 条 件  | 规  | 格   |     |     |
|-------|--------------------|--|--|-----|-----|-----|
|       | 【Item】             | 【Requi   | remen  | t]  |     |     |
|       |                    | 固定铆线后的端子,使电线与端子分离时所需的最   | AWG  | 22  | 24  | 26  |
|       |                    | 小力量.<br>Fix the crimped terminal, apply axial pull out force<br>on the wire. (Do not crimp insulation part). | Spec.kgf.<br>Min.  | 4.0 | 3.0 | 2.0 |
| 5-2-5 | Crimped<br>contact | Contact Wire Pulling load  | Note> As for unspecified wire sit<br>this specification define values<br>clients |     |     |     |

# 5-3. 环境性能及其它 Environmental Performance and Others.

|       | 项目  | 条 件  | 规                        | 格                       |
|-------|---|--|--------------------------|-------------------------|
|       | [Item]  | 【Test Condition】   | 【Require                 | ement ]                 |
| 5-3-1 | 重复插拔<br>Repeated<br>Insertion/<br>Withdrawal                                | 以每分锺不超过 10 次的速率,将公母插拔 30 次.<br>When mated up to 30 cycles repeatedly by the<br>rate of 10 cycles per minute.   | l .                      | 50 milliohms<br>Max.    |
| 5-3-2 | 温升测试<br>Temperature<br>Rise   | 公母连接器配合后,加载额定电流直到温度上升<br>到稳定状态,然后再测量温升<br>(EIA364-70,Method 1)<br>Mating connectors shall be energized at rating<br>current until thermal stability is achieved, and<br>then measured the termperature rise.<br>(EIA364-70,Method 1) | 温升测试<br>Temperature rise | 30°C Max.               |
|       |   | 振幅: 1.5mm P-P<br>时间: 10~55~10 HZ in 1 minute   | 外观<br>Appearance         | 无异状<br>No Damage        |
| 5-3-3 | 5-3-3   振动测试   Amplitude: 1.5mm P-P   Sween time: 10e/55e/10 H7 in 1 minute | 接触阻抗<br>Contact<br>Resistance  | 50 milliohms<br>Max.     |                         |
|       | upon EIA-364-28B/MIL-STD-202 Method 213B<br>Cond.A)                         |  | l .                      | 1 micro-<br>second Max. |
|       | 冲击测试  | 在 X.Y.Z 上 6 个方向上,以 490m/s2(50g 的力量)  | 外观<br>Appearance         | 无异状<br>No Damage        |
| 5-3-4 |   | 冲击下各3回.490m/s2{50G}, 3 strokes in each<br>X.Y.Z. axes.<br>(Based upon EIA-364-27B/MIL-STD-202  | 接触阻抗<br>Contact          | 50 milliohms<br>Max.    |
|       | Method 213B Cond.A)   |  | 瞬断<br>Discontinuity      | 1 micro-<br>second Max. |

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 5 of 8

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

| Product Specification [产品规格书]:                     | Document No  | PS-2026-02 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | AO         |

| ## Part   |
|---|
| Foundaries   F    |
| Heat Resistance (Based upon MIL-STD-202 Method 108A 接触阻抗 Contact Resistance Max.    Figure   |
| Theat Resistance Cond.A)  Cond.A)  Contact Resistance Max.  Fract Resistance Cond.A)  Fract Resistance Somilliohms Max.  Fract Resistance Somilliohms Max.  Fract Resistance Somilliohms Somilliohms Max.  Fract Resistance Somilliohms Ma  |
| F-3-6   |
| F-3-6   |
| 5-3-6 Cold Resistance Cold Resistance (Based upon EIA-364-105) 接触阻抗 Contact Resistance 外观 Appearance  |
| 5-3-6 Cold Resistance (Based upon EIA-364-105) 接触阻抗 Contact Resistance Max.  温度: 40±2℃ 温度: 90~95%(RH) 持续时间: 96 hours Temperature: 40±2℃ Relative Humidity: 90~95% Relative Humidity: 90~95% Duration: 96 hours (Based upon EIA-364-31A/MIL-STD-202 绝缘阻抗 500 Megohms 500 Megohms   |
| Belative Humidity: 90~95%  Resistance  Appearance  Appearance  Framperature: 40±2℃  Relative Humidity: 90~95%  Duration: 96 hours  (Based upon EIA-364-31A/MIL-STD-202  Contact Resistance  Appearance  Framperature: 40±2℃ Resistance  Framperature: 50 milliohms Max.  Max.  Frank No Damage    |
| Besistance  Appearance  Appearance  We Mag: 90~95%(RH)  持续时间: 96 hours  Temperature: 40±2℃  Relative Humidity: 90~95%  Duration: 96 hours  (Based upon EIA-364-31A/MIL-STD-202  Resistance  Family Appearance  We Max.  So milliohms  Max.  Max.  Must meet  5-1-3  Strength  600 Megohms   |
| 温度: 40±2℃ Appearance No Damage  湿度: 90~95%(RH) 持续时间: 96 hours Temperature: 40±2℃ Relative Humidity: 90~95% Duration: 96 hours (Based upon EIA-364-31A/MIL-STD-202 绝缘阻抗 500 Megohms  |
| 湿度: 90~95%(RH) 持续时间: 96 hours Temperature: 40±2℃ Relative Humidity: 90~95% Duration: 96 hours (Based upon EIA-364-31A/MIL-STD-202 绝缘阻抗 500 Megohms  |
| 持续时间: 96 hours Temperature: 40±2℃ Humidity Relative Humidity: 90~95% Duration: 96 hours (Based upon EIA-364-31A/MIL-STD-202 绝缘阻抗 500 Megohms  |
| Temperature: 40±2℃ Resistance Max.  Humidity Humidity: 90~95% Duration: 96 hours (Based upon EIA-364-31A/MIL-STD-202 绝缘阻抗 500 Megohms   |
| For the second state of the second s |
| Duration: 96 hours Dielectric Strength 5-1-3 (Based upon EIA-364-31A/MIL-STD-202 绝缘阻抗 500 Megohms   |
| (Based upon EIA-364-31A/MIL-STD-202 绝缘阻抗 500 Megohms  |
| I I I I I I I I I I I I I I I I I I I   |
|   |
| Resistance Min.   |
| 从-40℃持续 30 分锺升至+105℃持续 30 分锺, 外观 无异状  |
| 温度变化 循环 5 次. Appearance No Damage   |
| 5-3-8 Temperature 5 cycles of: a) -40°C 30 minutes. 接触阻抗 50 milliohms   |
| Contact Contact   |
| (Based upon EIA-364-32B) Resistance   |
| 在温度 35±2℃,盐水浓度 5±1%下,盐水喷雾 外观 无异状  |
| 24±1 小时. Appearance No Damage   |
| 5-3-9 盐水喷雾 24±1 hours exposure to a salt spray from the   |
| Salt Spray 5±1% solution at 35±2℃. 接触阻抗 50 milliohms  |
| (Based upon EIA-364-26B/MIL-STD-202 Contact Max   |
| Method 101D Cond.B). Resistance   |
| 焊接时间: 3~5 秒.  |
| 焊锡附着性 焊接温度: 245±5℃. 95%以上   |
| 5-3-10 Solder- Soldering Time: 3~5second. Solder Wetting  |
| I I I I I I I I I I I I I I I I I I I   |
| l ability  Solder lemperature: 745±57   |
| ability Solder Temperature: 245±5℃.  (Based upon EIA-364-52)  |

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 6 of 8

地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

| Product Specification [产品规格书]:                     | Document No  | PS-2026-02 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | AO         |

| 5-3-11 | 焊锡耐热性<br>Solder-<br>Resistance | 焊接时间: 5~10 秒.<br>焊接温度: 255+5/-5℃.<br>Soldering time:5~10 sec solder.<br>Temperature:255+5/-5℃.<br>(Based upon EIA-364-56A) | 外观<br>Appearance | 无异状<br>No Damage |
|--------|--------------------------------|--|------------------|------------------|
|--------|--------------------------------|--|------------------|------------------|

# 【6.综合插入力及拔出力 INSERTION/WITHDRAWAL FORCE】 < Connector mating force>

|                        | / \/ \/ \/ \/ \/ \/ \/ \  / \  / | CITOIN, WILLIED CONTRACT                                  |                        | CE A COMMECCO II                            | idening for co  |
|------------------------|--|---|------------------------|---|---|
| PIN 数<br>No. of<br>CKT | 初次插入力(最大值)<br>First Insertion<br>(kgf Max.)  | 30 次拔出力(最小值)<br>30 <sup>th</sup> Withdrawal<br>(kgf Min.) | PIN 数<br>No. of<br>CKT | 初次插入力(最大值)<br>First Insertion<br>(kgf Max.) | 30 次拔出力(最小值)<br>30 <sup>th</sup> Withdrawal<br>(kgf Min.) |
| Single                 | 1.00   | 0.05  | 2*12                   | 13.50                                       | 2.50  |
| 2*02                   | 3.50   | 0.50  | 2*13                   | 14.50                                       | 2.70  |
| 2*03                   | 4.50   | 0.70  | 2*14                   | 15.50                                       | 2.90  |
| 2*04                   | 5.50   | 0.90  | 2*15                   | 16.50                                       | 3.10  |
| 2*05                   | 6.50   | 1.10  | 2*16                   | 17.50                                       | 3.30  |
| 2*06                   | 7.50   | 1.30  | 2*17                   | 18.50                                       | 3.50  |
| 2*07                   | 8.50   | 1.50  | 2*18                   | 19.50                                       | 3.70  |
| 2*08                   | 9.50   | 1.70  | 2*19                   | 20.50                                       | 3.90  |
| 2*09                   | 10.50  | 1.90  | 2*20                   | 21.50                                       | 4.10  |
| 2*10                   | 11.50  | 2.10  | 2*30                   | 31.50                                       | 6.10  |
| 2*11                   | 12.50  | 2.30  |                        |   |   |

注: 以上插拔次数为 30 次 Note: Insertion and Withdrawal for 30Cycles

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 7 of 8

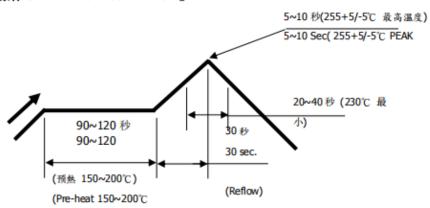
地 址:广东省东莞市长安镇增田村横增路72号

Address: 72 Hengzeng Road, Zengtian Village, Chang' an Town, Dongguan cigy, Guangdong Province

E-Tel: 0769-81769816 传真: 0769-87089563 E-mail: gya1688@gdgya.com QQ: 316563782 诚信通: gya旗舰店 网站: www.gdgya.com

| Product Specification [产品规格书]:                     | Document No  | PS-2026-02 |
|--|--------------|------------|
| Subject [主题]:                                      | Date Issued  | 2019/06/09 |
| 2.00mm Pitch 2026-D Series Connector Specification | Date Revised | 2018/05/26 |
|  | Version      | A0         |

#### 【7. SMT 回流条件 SMT REFLOW CONDITION】



温度条件曲线图/ 基板上温度

#### TEMPERATURE CONDITION GRAPH/ (TEMPERATURE ON BOARD PATTERN SIDE)

注记:由于 P.C 板等焊接装置改变条件,所以请预先用自己的装置检查回流焊的条件.

Notes: Please check the reflow soldering condition by your own devices beforehand. Because the condition changes by the soldering devices, P.C. boards, and so on.

WRITTEN BY: Yangzhengguo APPROVED BY: Lvtiansheng Sheet: 8 of 8