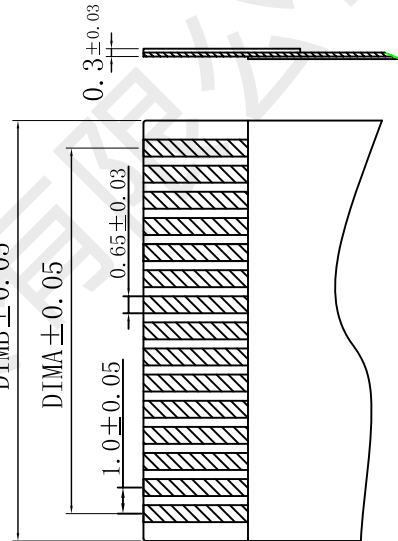
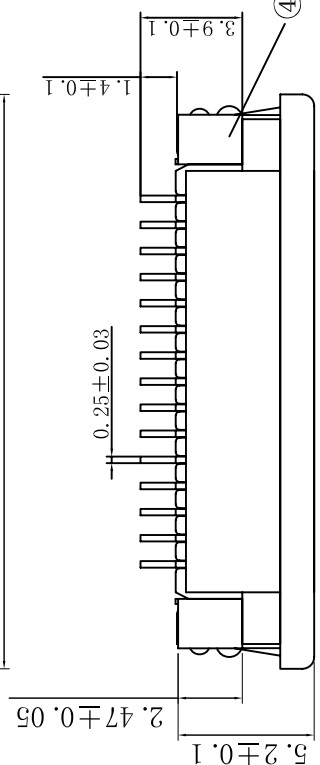
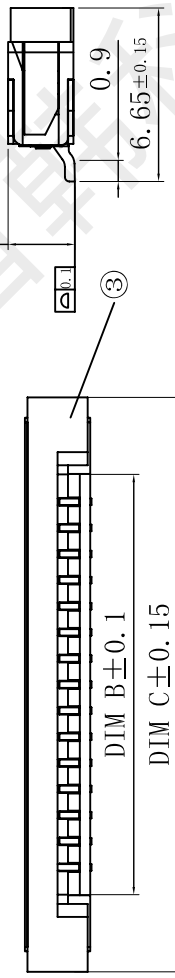
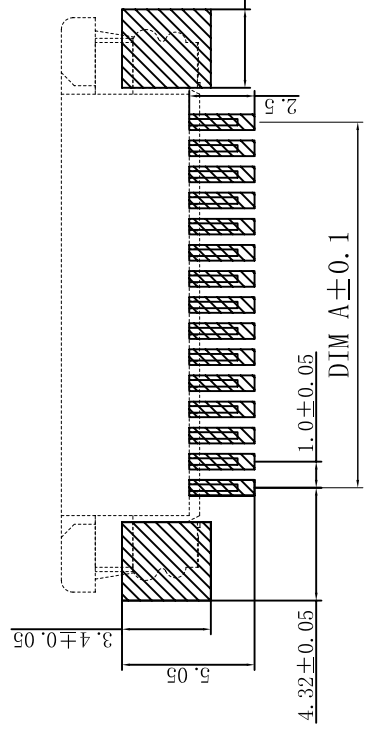
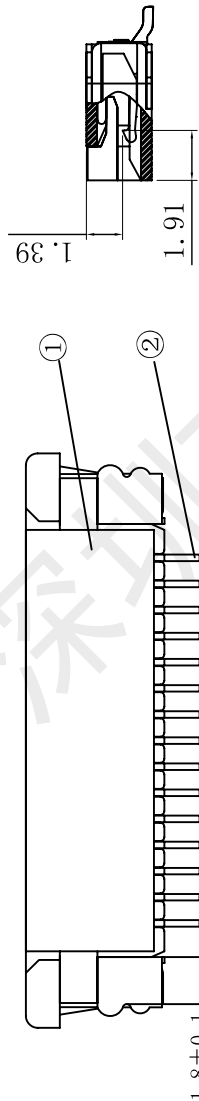


| | | | | | | | | | | | |
|------|--|-----|--|------|--|----|--|----------|--|----------------|--|
| A | | B | | C | | D | | E | | F | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | |
| 变更内容 | | 申请人 | | 发行日期 | | 序号 | | 品名 | | 材质 | |
| 版次 | | | | | | ① | | 1.0A胶芯 | | LCP UL94V-0 本色 | |
| | | | | | | ② | | 1.0S上接端子 | | 磷青铜/表面镀锡 | |
| | | | | | | ③ | | 1.0A后盖 | | LCP UL94V-0 黑色 | |
| | | | | | | ④ | | 1.0A焊片 | | 黄铜/表面镀锡 | |



| CKT | DIMA | DIMB | DIMC | DIMD | DIME | DIMF | DIMG | DIMH | DIMI | DIMJ | DIMK | DIML | DIMM | DIMN | DIMO | DIMP | DIMQ | DIMR | DIMS | DIMT | DIMU | DIMV | DIMW | DIMX | DIMY | DIMZ |
|-----|-------|-------|-------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 4 | 3.00 | 5.15 | 11.00 | 21 | 20.00 | 22.15 | 28.00 | | | | | | | | | | | | | | | | | | | |
| 5 | 4.00 | 6.15 | 12.00 | 22 | 21.00 | 23.15 | 29.00 | | | | | | | | | | | | | | | | | | | |
| 6 | 5.00 | 7.15 | 13.00 | 23 | 22.00 | 24.15 | 30.00 | | | | | | | | | | | | | | | | | | | |
| 7 | 6.00 | 8.15 | 14.00 | 24 | 23.00 | 25.15 | 31.00 | | | | | | | | | | | | | | | | | | | |
| 8 | 7.00 | 9.15 | 15.00 | 25 | 24.00 | 26.15 | 32.00 | | | | | | | | | | | | | | | | | | | |
| 9 | 8.00 | 10.15 | 16.00 | 26 | 25.00 | 27.15 | 33.00 | | | | | | | | | | | | | | | | | | | |
| 10 | 9.00 | 11.15 | 17.00 | 27 | 26.00 | 28.15 | 34.00 | | | | | | | | | | | | | | | | | | | |
| 11 | 10.00 | 12.15 | 18.00 | 28 | 27.00 | 29.15 | 35.00 | | | | | | | | | | | | | | | | | | | |
| 12 | 11.00 | 13.15 | 19.00 | 29 | 28.00 | 30.15 | 36.00 | | | | | | | | | | | | | | | | | | | |
| 13 | 12.00 | 14.15 | 20.00 | 30 | 29.00 | 31.15 | 37.00 | | | | | | | | | | | | | | | | | | | |
| 14 | 13.00 | 15.15 | 21.00 | 31 | 30.00 | 32.15 | 38.00 | | | | | | | | | | | | | | | | | | | |
| 15 | 14.00 | 16.15 | 22.00 | 32 | 31.00 | 33.15 | 39.00 | | | | | | | | | | | | | | | | | | | |
| 16 | 15.00 | 17.15 | 23.00 | 33 | 32.00 | 34.15 | 40.00 | | | | | | | | | | | | | | | | | | | |
| 17 | 16.00 | 18.15 | 24.00 | 34 | 33.00 | 35.15 | 41.00 | | | | | | | | | | | | | | | | | | | |
| 18 | 17.00 | 19.15 | 25.00 | 35 | 34.00 | 36.15 | 42.00 | | | | | | | | | | | | | | | | | | | |
| 19 | 18.00 | 20.15 | 26.00 | 36 | 35.00 | 37.15 | 43.00 | | | | | | | | | | | | | | | | | | | |
| 20 | 19.00 | 21.15 | 27.00 | | | | | | | | | | | | | | | | | | | | | | | |

- 技术指标:
1. 额定电流: 0.5A.
 2. 温度范围: -25~85℃
 3. 额定电压: 50V, AC/DC (等效)
 4. 接触电阻: ≤0.03Ω
 5. 绝缘电阻: ≤500MΩ

香第 SHAN 深圳市首韩科技有限公司

| | | | | | | | |
|--------------|--|-----------------------|--|------------|--|------|--|
| 品名 (TITLE) | | 1.0-18P CTXJ-H2.5 119 | | 制图 (DR) | | 李春风 | |
| 料号 (DWG. NO) | | | | 审核 (CHKD) | | 钟华华 | |
| 比例 (SCALE) | | 1 : 1 | | 核准 (APPR) | | 罗孝金 | |
| 单位 (UNITS) | | MM | | 张数 (SHEET) | | 5/24 | |
| 张数 (SHEET) | | 1 : 1 | | REV | | A | |

一般公差
TOLERANCES
X.±0.15 .XX±0.05
.X±0.1 .XX±0.02
ABBREVS±1*



深圳市首韩科技有限公司

SHENZHEN SHOUHAN TECHNOLOGY CO., LTD

Tel: 0755-27597601 Fax: 0755-27597491

承 认 书

SPECIFICATION FOR APPROVAL

客 户 Customer:

产品名称 Project:

FPC

规格型号 Part No:

1.0-18P CTXJ-H2.5 119

贵公司承认印 Approval signatures

| 料 号/Part No. | 签 章/Signatures |
|--------------|----------------|
| | |

日期 Date:

| | | |
|-------------|-----|--------------------------------------------------------------------------------------|
| 拟制/Drawn | 李春风 |  |
| 审核/Check | 钟华华 | |
| 批准/Approved | 罗孝金 | |

产 品 规 格 书

PRODUCT SPECIFICATION

【1】适用范围 SCOPE

本规格书适用于：1.0间距柔性扁平电缆连接器

This specification covers the 1.0mm Pitch FPC/FFC Connectors

【2】产品名称及型号 PRODUCT NAME AND PART NUMBER

| 产品名称 Product Name | 产品型号 Part Number |
|-------------------|------------------|
| FFC/FPC 扁平电缆连接器 | |
| | |

【3】定格 RATINGS

| 项目 Item | 规 格 | Requirement |
|-------------------------------------|------|-----------------------------------|
| 最大容许电压 Rated Voltage(MAX) | 50V | [AC/DC(有效值 Virtual value)50Hz] |
| 最大容许电流 Rated Current(MAX) | 0.5A | |
| 使用温度范围 Ambient temperature Range | | -25℃ ~ +85℃ |

【4】性能 PERFORMANCE

4.1 电气性能 Electrical Performance

| 项目 Item | | 条件 Test Condition | 规格 Requirement |
|---------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 4.1.1 | 接触电阻 Contact Resistance | 适合 FPC/FFC 嵌合；开放电压 20mV 以下；短路电流 10mA 的状态下测定。 Mate applicable FPC/FFC and measure by dry circuit, 20mV MAX, 10mA. | 30 mΩ MAX |
| 4.1.2 | 绝缘电阻 Insulation Resistance | 适合 FPC/FFC 嵌合；相邻端子间或端子与地面间加 DC 500V 下测定。 Mate applicable FPC/FFC and apply 500V DC between adjacent terminal or ground. | 500MΩ MIN |
| 4.1.3 | 耐电压 Dielectric | 适合 FPC/FFC 嵌合；相邻端子间或端子与地面间加 AC 250V（有效值）历时 1 分钟下测定。 Mate applicable FPC/FFC and apply 250V AC (virtual value) for 1minute between adjacent terminal or ground. | 无击穿现象 No Breakdown |

4.2 机械性能 Mechanical Performance

| 项目 Item | | 条件 Test Condition | 规格 Requirement |
|---------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 4.2.1 | 锁紧力及拔出力 Locking and Withdrawal Force | 适合 0.3mm 厚的 FFC；用每分钟 25±3mm 的速度；平行地插入、锁紧、拔出。 Insert and extract applicable FFC at the speed rate of 25±3mm/minute. | 锁紧力 Locking 1.96*n (N) MAX 拔出力 Withdrawal 0.49*n (N) MIN |
| 4.2.2 | 端子保持力 Terminal /Housing Retention Force | 以用每分钟 25±3mm 的速度平行向外拉 Pull the terminal at the speed rate of 25 ± 3mm per minute | 0.25N MIN |

4.3 环境和其他性能 Environmental Performance and Others

| 项目 Item | | 条件 Test Condition | 规格 Requirement | |
|---------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|
| 4.3.1 | 重复插拔 Repeated Insertion and Withdrawal | 无通电状态；以 10 次/分钟的速度插拔 20 次 Insertion and withdrawal actuator up to 20 cycles at the speed rate of less than 10 cycles/minute | 接触抵抗 Contact Resistance | 60 mΩ MAX |
| 4.3.2 | 温度上升 Temperature Rise | 适合 FPC/FFC 嵌合；最大容许电流通电，温度测定。（UL 498） Carrying rated current load. (UL 498) | 温度上升 Temperature Rise | 30 °C MAX |

| 项目 Item | | 条件 Test Condition | 规格 Requirement | |
|---------|------|------------------------------------------|------------------|------------------|
| 4.3.3 | 耐振动性 | DC 1mA 通电状态下；嵌合轴沿 XYZ 三个方向振动；振幅 1.5mm；频率 | 外观 Appearance | 无损坏 No Damage |

| | | | | |
|---------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------|
| | Vibration | 10-55-10Hz/分; 历时 2 小时 Amplitude: 1.5mm P-P Sweep time: 10-55-10Hz in 1 minute Duration: 2 hours in each X.Y.Z. axes | 接触抵抗 Contact Resistance | 60 m Ω MAX |
| | | | 瞬断 Discontinuity | 1 ms MAX. |
| 4.3.4 | 耐冲击性 Shock | DC 1mA 通电状态下; 嵌合轴沿相互垂直的 6 个方向; 以 490m/s ² {50G}冲击; 各 3 次 490m/s ² {50G}, 3 strokes in each X.Y.Z. axes. | 外观 Appearance | 无损坏 No Damage |
| | | | 瞬断 Discontinuity | 1 ms MAX. |
| 4.3.5 | 耐热性 Heat Resistance | 适合 FPC/FFC 嵌合; 85±2℃的空气中; 放置 96 小时; 再回到室温中放置 1-2 小时 85±2℃, 96 hour | 外观 Appearance | 无损坏 No Damage |
| | | | 接触抵抗 Contact Resistance | 60 m Ω MAX |
| 4.3.6 | 耐寒性 Cold Resistance | 适合 FPC/FFC 嵌合; -40±2℃的空气中; 放置 96 小时; 再回到室温中放置 1-2 小时 -40±2℃, 96 hour | 外观 Appearance | 无损坏 No Damage |
| | | | 接触抵抗 Contact Resistance | 60 m Ω MAX |
| 4.3.7 | 耐湿性 Humidity | 适合 FPC/FFC 嵌合; 40±2℃、相对湿度 90-95%的空气中; 放置 96 小时; 再回到室温中 0.5 小时内测定 Temperature: 40±2℃ Relative Humidity: 90-95% Duration: 96 Hours | 外观 Appearance | 无损坏 No Damage |
| | | | 接触抵抗 Contact Resistance | 60 m Ω MAX |
| | | | 耐电压 Dielectric Strength | 必须满足 4.1.3 Must meet 4.1.3 |
| | | | 绝缘抵抗 Insulation Resistance | 20 M Ω MIN |
| 4.3.8 | 温度循环 Temperature Cycling | 适合 FPC/FFC 嵌合; -55±3℃ 30 分钟; 常温常湿 10-15 分钟; 85±2℃ 30 分钟; 常温常湿 10-15 分钟, 循环 5 次。 5 cycles of: a) -55±3℃ 30 minutes b) 85±2℃ 30 minutes | 外观 Appearance | 无损坏 No Damage |
| | | | 接触抵抗 Contact Resistance | 60 m Ω MAX |
| 项目 Item | | 条件 Test Condition | 规格 Requirement | |
| 4.3.9 | 耐盐雾性 Salt Spray | 适合 FPC/FFC 嵌合; 35±2℃、5±1% 的盐水喷雾 24 小时; 试验后常温水洗; 再室温干燥。 24±4 hours exposure to a salt spray from the 5±1% solution at 35±2℃. | 外观 Appearance | 无损坏、腐蚀 No Damage |
| | | | 接触抵抗 Contact Resistance | 60 m Ω MAX |

| | | | | |
|--------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|
| 4.3.10 | 耐亚硫酸 SO2 Gas | 适合 FPC/FFC 嵌合; 40±2℃、50±5ppm 的亚硫酸中放置 24 小时 24 hours exposure to 50 ± 5ppm. SO2 gas at 40±2℃. | 接触抵抗 Contact Resistance | 60 m Ω MAX |
| 4.3.11 | 耐氨性 NH3 Gas | 适合 FPC/FFC 嵌合; 浓度为 28% 的氨水容器中; 放置 40 分钟。 40 minutes exposure to NH3 gas evaporating from 28% Ammonia solution | 外观 Appearance | 无损坏 No Damage |
| | | | 接触抵抗 Contact Resistance | 60 m Ω MAX |
| 4.3.12 | 可焊性 Solder ability | 端子前端基准面 0.2mm 处浸入 245±5℃ 的锡槽中; 历时 2±0.5 sec。 Soldering Time: 2±0.5 sec. Soldering Temperature: 245±5℃ 0.2 mm from terminal tip | 沾敷性 Solder Wetting | 沾敷面积 95%以上 |
| 4.3.13 | 耐焊接热 Resistance to Soldering heat | 在 245±5℃ 热风炉中经 30±5sec 条件下, 至少进行 5 次。 Soldering Time: 30±5 sec. Soldering Temperature: 245±5℃ | 外观 Appearance | 无损坏、变形 No Damage |

() : 参考规格 Reference Standard

{ } : 参考单位 Reference Unit

【5】外观形状、寸法及材质 PRODUCT SHAPE, DIMENSIONS AND MATERIALS

图面参照 Refer to the drawing.

| 名称 NAME | 材质 MATERIALS |
|-----------------|---------------------|
| 主体 Main body | LCP UL 94V-0 |
| 锁扣 Housing Lock | LCP UL 94V-0 |
| 端子 Sit uip | 磷青铜 Phosphor Bronze |
| 焊片 Contact | 磷青铜 Phosphor Bronze |
| 备注 Remark | 金属表面镀锡 |