



标准&定制开关连接器产品制造商
DONG GUAN XI BANG ELECTRONICS CO., LTD.

规格书 SPECIFICATION

CUSTOMER NAME 客户名称: _____
 CUSTOMER NO. 客户编号: _____
 SERIES 系列 CSIM系列SIM卡连接器
 MODEL NO. 型号: XB-series
 DRAWING NO. 图形号 CSIM Series SIM Card Connector

If specification of this product meets your request, please confirm all the items of it and return to us with signature and stamp, it will be basis of our production and record. Thanks your cooperation in advance!

若此产品规格符合贵司要求，敬请确认此规格书内所有项目
 并签名和盖章后回传给我司，以作我司产品制作之
 依据和存档之用，多谢合作！

EXAMINE & APPROVAL 审批

| APPROVE 接受 | NOT APPROVE 不接受 |
|---|-----------------|
| SIGNATURE 签署 STAMP 盖章 DATE 日期 | |

| PREPARED BY.制表人 | CHECKED BY.校对 | APPROVED BY.审核 | APPROVAL BY. 批准 |
|--|--|---|---|
| <div style="border: 1px solid red; padding: 2px;">研发部</div> <div style="border: 1px solid red; padding: 2px;">戴海明</div> <div style="border: 1px solid red; padding: 2px;">2022. 06. 08</div> | <div style="border: 1px solid red; padding: 2px;">品质部</div> <div style="border: 1px solid red; padding: 2px;">黄自清</div> <div style="border: 1px solid red; padding: 2px;">2022. 06. 08</div> | <div style="border: 1px solid red; padding: 2px;">工程部</div> <div style="border: 1px solid red; padding: 2px;">庞军</div> <div style="border: 1px solid red; padding: 2px;">2022. 06. 08</div> | <div style="border: 1px solid red; padding: 2px;">总经办</div> <div style="border: 1px solid red; padding: 2px;">吴量</div> <div style="border: 1px solid red; padding: 2px;">2022. 06. 08</div> |

东莞市溪榜电子有限公司

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MAil: HK@ALPSR.CN XB@ALPSR.CN XB@ALPSR.COM
 Quality core! Afterburner for Made in China!



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|-------------------|------------|---|---------------------|
| ENGINEERING DEPT. | | PRODUCT SPECIFICATION For CSIM Series SIM Card Connector | SPEC.NO.: SPCSIM08B |
| REVISIONS | ECNT120150 | | PAGE: 1/5 |

1. SCOPE:

This specification covers the requirements for product performance and test methods of the SIM Card Product shall be of the design, construction and physical dimensions specified in the applicable product drawing

2. APPLICABLE STANDARDS:

MIL - STD - 202 Methods for test of connectors for electronic equipment
EIA-364 Test methods for electrical connectors

3. APPLICABLE SERIES NO.: **CSM30621D02-LF**

4. SHAPE, CONSTRUCTION AND DIMENSIONS

See attached drawings

5. ACCOMMODATED P.C.BOARD

See attached drawings

REVIEWED : XIE.BING.XIN APPROVED : HE.LONG.FEI VERIFIED : PANG.DONG .



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7. ELECTRICAL PERFORMANCE:

| ITEN | TEST CONDITION | REQUIREMENT |
|------|---|-----------------------------------|
| 7.1 | Rated current and voltage | 0.5A, 5.5V AC/DC max. (r.m.s.) |
| 7.2 | Contact resistance EIA-364-23 Mate card measured dry circuit, 20 mV , 100mA max. | 100mΩ max. |
| 7.3 | Dielectric strength EIA-364-20 Apply 250V AC for 1 minute between adjacent terminals and ground. | No Breakdown. |
| 7.4 | Insulation Resistance EIA-364-21 Apply 500V DC between adjacent pins or pin and ground. | 1000MΩ min. |

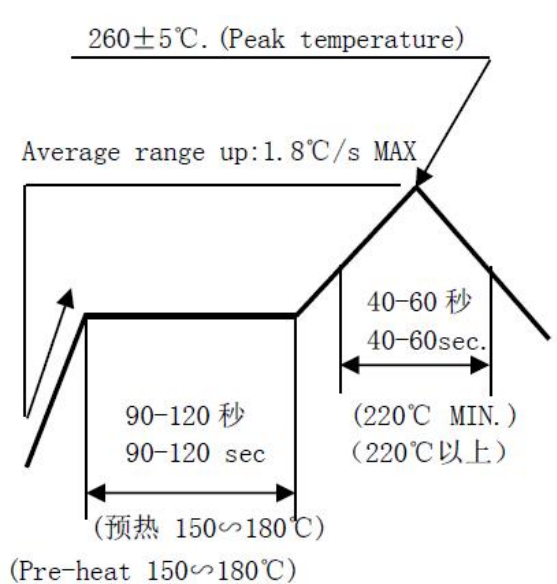
8. MECHANICAL PERFORMANCE:

| ITEN | TEST CONDITION | REQUIREMENT |
|------|--|--|
| 8.1 | Durability EIA-364-09C Insertion and extraction are repeated 5000 cycles with the card at the speed rate of 400- 600 cycles/hour. As for tray type connector, must test 3000 cycles by hand. | Appearance: No damage Contact Resistance Less than 140mΩ |

9. ENVIRONMENTAL PERFORMANCE:

| ITEN | TEST CONDITION | REQUIREMENT |
|------|--|---|
| 9.1 | Vibration Eia-364-28D Mate card and subject to the following vibration conditions, for a period of 2 hours in each of 3 mutually perpendicular axes, passing DC 1 mA during the test Amplitude: 1.50 mm p-p or 19.6m/s ² (2G) Frequency: 10-55-10 Hz Shall be traversed in 1 minute. | Appearance: No damage Contact Resistance Less than 140mΩ Discontinuity 0.1micro sec. Max. |
| 9.2 | Humidity EIA-364-31A Temperature: 40 ± 2°C Humidity: 90% (RH) Period: 96 hour | Appearance: No damage Contact Resistance Less than 140mΩ |

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| ITEN | TEST CONDITION | REQUIREMENT |
|----------------------------------|--|---|
| 9.3 Solder ability | EIA-364-52 Soldering time: 10 second Soldering pot: 245 ± 5°C | Minimum: 95% of immersed area |
| 9.4 Resistance to soldering heat | (1) Reflow part 260±5°C Peak 220°C Min., 40~60sec (2) Pre heat part 150~180°C, 90~120sec. * Refer to reflow temperature profile.  260±5°C. (Peak temperature) Average range up: 1.8°C/s MAX 40-60 秒 40-60sec. (220°C MIN.) (220°C以上) 90-120 秒 90-120 sec (预热 150~180°C) (Pre-heat 150~180°C) | No physical damage shall occur. |
| 9.5 Heat aging | EIA-364-17 Leave the connector in a test chamber at 85 °C for 96hours, measure the sample before the start of test and after completion outside the chamber for between one and two hours | Appearance: No damage Contact Resistance Less than 140mΩ Insulation Resistance: 1000MΩ min. |
| 9.6 Cold aging | EIA-364-17 Leave the connector in a test chamber at -40°C for 96 hours measure the sample before the start of the and after completion. Outside the chamber for between one and two hours water drops shall be removed | Appearance: No damage Contact Resistance Less than 140mΩ Insulation Resistance: 1000MΩ min. |



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| REVISIONS | ECNT120150 | | PAGE: 4/5 |

| | ITEN | TEST CONDITION | REQUIREMENT |
|-----|------------|--|---|
| 9.7 | Salt Spray | <p>Temperature: $35 \pm 3^{\circ}\text{C}$ Solution: $5 \pm 1\%$ Spray time: 48 ± 4 hours (Stamping before plated) Spray time: 24 ± 4 hours (Stamping after plated)</p> <p>Mate connectors and expose to the following salt mist conditions. Upon completion of the exposure period, salt deposits shall be removed by a gentle wash or dip in running water and dried naturally, after which the specified measurements shall be performed.</p> <p>The specimens shall be suspended from the top using waxed twine, string or nylon thread.</p> <p>The test only define the plating area, without plating area (as copper cross section) will not be defined.</p> <p>(EIA 364-26B / MIL-STD-202 Method 101)</p> | <p>Appearance: No damage Contact resistance: Less than twice of initial</p> |

10. OPERATING TEMPERATURE RANGE: $-30^{\circ}\text{C} \sim 85^{\circ}\text{C}$