



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 CSD系列存储卡插槽
 MODEL NO. 型号: XB-series
 DRAWING NO. 图形号 CSD Series Memory Card Sockets

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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 Quality core! Afterburner for Made in China!



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1. SCOPE:

This specification covers performance, tests and quality requirements for SD Card Connector

2. APPLICABLE STANDARDS:

MIL - STD - 202 Methods for test of connectors for electronic equipment
MIL - STD - 1344 Test methods for electrical connectors

3. PART NO.: CSD-09A001Z / CSD-09A001Z-R0-LF

4. SHAPE, CONSTRUCTION AND DIMENSIONS

See attached drawings

5. MATERIALS

- A. Contact : Copper alloy
- B. Housing : Hi-temp. plastic UL94-V0
- C. WP Contact : Copper alloy
- D. Shell: Stainless picking

6. 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 5V AC max.
7.2	Contact Resistance	Measured between plug solder tails and receptacle solder tails. (EIA364-23)	60 mΩ Max.
7.3	Dielectric strength	Test between center contact and outer shell for one minute. 500V AC(r.m.s) (EIA364-20)	No Breakdown
7.4	Insulation Resistance	Test between center contact and outer shell of unmated samples for one minute. at 500V DC (EIA364-21)	1000MΩ Min.

8. MECHANICAL PERFORMANCE:

	ITEN	TEST CONDITION	REQUIREMENT
8.1	Mating Force	Measure force necessary to mate printed circuit board to samples using free floating fixtures at maximum rate of .5 inch per minute	2.0kg Max
8.2	Un-mating Force	Measure force necessary to un-mate printed circuit board from samples at maximum rate of .5 inch per minute	2.0kg Max 0.1kg Min
8.3	Durability	Mate connectors up to 10000 cycles at a maximum rate of 400 to 600 cycles per hour prior to environmental test	No abnormality After test contact resistance shell not exceed 100mΩ max.

9. ENVIRONMENTAL PERFORMANCE:

	ITEN	TEST CONDITION	REQUIREMENT
9.1	Humidity	There shall be no any excessive corrosion on the every part of connector. Temperature: 40±2°C Humidity: 90~95%RH Test time: 96hours (EIA364-31A)	No abnormality After test contact resistance shell not exceed 100mΩ max.
9.2	High Temperature Life	Temperature: 85±2°C Test time: 96hours (EIA364-31A)	No abnormality After test contact resistance shell not exceed 100mΩ max.



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ITEN	TEST CONDITION	REQUIREMENT
9.3 Cold resistance	Temperature: $-25 \pm 2^{\circ}\text{C}$ Test time: 96hours (EIA364-31A)	No abnormality After test contact resistance shall not exceed $100\text{m}\Omega$ max.
9.4 Solder ability	Lead-Free Process: Soldering time: 3 ± 0.5 second Soldering pot: $245 \pm 5^{\circ}\text{C}$	Minimum: 95% of immersed area
9.5 Soldering Heat Resistance	SMT Type Lead-Free Process: Soldering time: 10 sec Max. Soldering pot.: 260°C Max. Refer Reflow temperature profile(11.1)	No damage
9.6 Vibration	During vibration, there shall be no discontinuity of the circuit greater then 1 microsecond or longer duration: 15minutes / axis (EIA364-28B, test condition I)	No abnormality After test contact resistance shall not exceed $100\text{m}\Omega$ max.

10. OPERATING TEMPERATURE RANGE: $-25^{\circ} \sim ^{\circ}\text{C}$

11. Recommended IR Reflow Temperature Profile:

11.1 Using Lead-Free Solder Paste

