



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:	IDC 连接器
MODEL NO.	型号:	XB-series
DRAWING NO.	图形号:	IDC Connectors

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; text-align: center;"> 研发部 戴海明 2022. 06. 08 </div>	<div style="border: 1px solid red; padding: 2px; text-align: center;"> 品质部 黄自清 2022. 06. 08 </div>	<div style="border: 1px solid red; padding: 2px; text-align: center;"> 工程部 庞军 2022. 06. 08 </div>	<div style="border: 1px solid red; padding: 2px; text-align: center;"> 总经办 吴量 2022. 06. 08 </div>

东莞市溪榜电子有限公司

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Bank Code: 006

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Quality core! Afterburner for Made in China!



ENGINEERING DEPT.		PRODUCT SPECIFICATION For 2.00 mm (.079") Center Spacing Flat Cable - IDC Connectors	SPEC.NO.: SPCA004B
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1. SCOPE:

This specification contains the test requirement of subject connectors when tested under the condition and below standards base on Xi Bang connector test procedure

2. APPLICABLE STANDARDS:

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

3. APPLICABLE SERIES NO.: CA11 Series

4. SHAPE, CONSTRUCTION AND DIMENSIONS

See attached drawings

5. MATERIALS

See attached drawings

6. APPLICABLE CABLES

1.00 mm (.039") center spacing Flat Cable

Insulator O.D.: 0.85 mm dia.

Construction: AWG #28 (7/0.127 mm)

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



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7. ELECTRICAL PERFORMANCE:

	ITEM	TEST CONDITION	
7.1	Rated current and voltage		1 A 250V AC (r.m.s.)
7.2	Contact resistance	Dry circuit of DC 20 mV max. , 100 mA max.	Less than 30 mΩ
7.3	Dielectric strength	When applied AC 500 V 1 minute between adjacent terminal	No change
7.4	Insulation resistance	When applied DC 500 V between adjacent terminal or ground	More than 1000 MΩ

8. MECHANICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
8.1	Single contact insertion force	Measure force to insertion using 0.50 mm square pin at speed 25± 3 mm per minute	300 gram max.
8.2	Single contact withdrawal force	Measure force to withdrawal using 0.50 mm square pin at speed 25± 3 mm per minute	40 gram min.
8.3	Durability	Connector shall be subjected to 100 cycles of insertion and withdrawal	Contact resistance: Less than twice of initial

9. ENVIRONMENTAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
9.1	Vibration	1.5 mm 10-55-10 HZ / minute each 2 hours for X , Y and Z directions	Appearance: No damage Discontinuity: 1 micro second max.
9.2	Heat aging	105 ± 2 °C , 96 hours	No damage
9.3	Humidity	40 ± 2 °C , 90-95% RH , 96 hours measurement must be taken within 30 min. after tested	Appearance: No damage Contact resistance: Less than twice of initial Dielectric strength: To pass para 7-3
9.4	Temperature cycling	One cycle consists of : (1) -55 ⁺⁰ ₋₃ °C , 30 min. (2) Room temp. 10-15 min. (3) 85 ⁺³ ₋₀ °C , 30 min. (4) Room temp. 10-15 min.	Appearance: No damage Contact resistance: Less than twice of initial



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	ITEM	TEST CONDITION	REQUIREMENT
9.5	Salt spray	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) 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. The specimens shall be suspended from the top using waxed twine, string or nylon thread. The test only define the plating area, without plating area (as copper cross section) will not be defined.	Appearance: No damage Contact resistance: Less than twice of initial

10. AMBIENT TEMPERATURE RANGE: -40 to $+105^{\circ}\text{C}$