

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

DRAWING NO.	图形	⊱号:	Blade battery holder connector
MODEL NO.	型	号:	2.0mm Pitch Battery Female Type
SERIES	系	列:	刀片电池连接器间距2.0mm
CUSTOMER NO.	客户组	编号:	
CUSTOMER NAM	客户	名称:	

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		
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2022. 06. 08	2022. 06. 08	2022. 06. 08	2022. 06. 08		

东莞市溪榜电子有限公司

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SWIFT/BIC: CITIHKHX(CITIHKHXXXX*If11charactersare

required)

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



东莞市溪榜电子有限公司

Product Specification

File Name. 2.0mm Pitch Battery Female Type

1. SCOPE

This specification covers performance, tests and quality requirements for battery connector.

2. APPLICABLE DOCUMENT

The following documents form a part of this specification to the extent specified herein. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

3. REQUIREMENTS

3.1. DESIGN AND CONSTRUCTION

Product shall be of the design, construction and physical dimensions specified on the applicable product drawing.

3.2. MATERIALS

- A. Housing: Nylon 9T GN2330, UL 94-V.
- B. Contact: Copper Alloy, Selected Gold on Contact Area, Gold Flash on Solder Tails, Both over Nickel Under-plated Overall.

3.3. RATINGS

A. Current Rating : 3A Max. / PinB. Voltage Rating : 30 V DC Max.

C. Operating temperature: -25 $^{\circ}$ C to +85 $^{\circ}$ C

3.4. CONDITION

The product is designed to meet the electrical, mechanical and environmental performance requirements specified in Figure 1.

3.5. TEST REQUIREMENTS AND PROCEDURES SUMMARY

TEST DESCRIPTION REQUIREMENT	PROCEDURED
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Examination of product	Meets requirements of product drawing and Specification.	Visual inspection No physical damage		
ELECTRICAL				
Contact Resistance	40m $Ω$ Max. (After Test \triangle 20 m $Ω$ Max.)	EIA-364-23C		
Insulation Resistance	1000M Ω Min. at 500V DC / 2min.	EIA-364-21D		
Dielectric Withstanding Voltage	No breakdown at 500V rms	EIA-364-20D		
MECHANICAL				
Durability	5000 Cycles	EIA-364-09C		
Mating Force	400g Max. /Pin	EIA-364-13D		
Unmating Force	18g Min. /Pin	Speed 25 ± 3mm/minute		
Contact Retention Force	300g Min./Pin	EIA-364-29C		
ENVIRONMENTAL				
Meets requirements of product drawing and electrical specification.		EIA-364-31B Method II, Condition A		
Salt spray	Meets requirements of product drawing and electrical specification.	Temperature: 35°C ± 2°C Density of salt water: 5 ± 1% Duration: 4hours ± 15min.		
Cold	Meets requirements of product drawing and electrical specification	The connector housing shall be store at temperature of -25 ± 3°C for 48hours		
Dry heat	Meets requirements of product drawing and electrical specification	The connector housing shall be store at temperature of 85 ± 2°C for 96hours		
PHYSICAL				
Solderability	The test area shall be covered more than 95% of immersed area with flash solder	Solder Temperature: 245° C $\pm 5^{\circ}$ C Immersion Period: 3 ± 0.5 sec.		
Resistance to Soldering Heat	Without deformation of case or excessive loosen. Electrical characteristics shall be satisfied	r Place the connector on the P.C. Board, then immerse the solder pin up to the surface of th board in the solder bath at 260° C \pm 5 $^{\circ}$ C for 5sec.		

Figure 1

NOTE: Shall meet visual requirements, show no physical damages.



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Product Specification

File Name.

2.0mm

Pitch Battery Female Type

3.6. PRODUCT QUALIFICATION AND REQUALIFICATION TEST SEQUENCE

	Test Group							
Test or Examination	Α	В	С	D	Е	F	G	Н
		_		Test Seq	uence (a)			
Examination of Product	1,9	1,9	1,9	1,9	1,9	1,7	1,3	1,3
Contact Resistance	2,8	2,8	2,8	2,8	2,8	2,6		
Insulation Resistance	3,7	3,7	3,7	3,7	3,7			
Dielectric Withstanding Voltage	4,6	4,6	4,6	4,6	4,6			
Durability						4		
Mating Force & Unmating Force						3,5		
Contact Retention Force							2	
Humidity	5							
Salt spray		5						
Cold			5					
Dry heat				5				
Solderability								2
Resistance to Soldering Heat					5			

Figure 2

NOTE:

(a) Numbers indicate sequence in which tests are performed.

*PLEASE PROVIDE MORE DETAIL FIGURES IF NECESSARY.

REV.	REV. RECORD	DATE	EC NO.	WRITTEN BY	APPROVED BY