Shenzhen Shouhan Technology Co., Ltd.

SHENZHEN SHOUHAN TECHNOLOGYCO.,LTD
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admit Book

SPECIFICATION FOR APPROVAL

Customer Customer: _____

Product name Project: Micro seat

Specification Model Part No: XNJ 073

Your company acknowledges printed Approal slgnatures

Part No./Part No.	Signatures /Signatures

DateDate:

Imitation/Drawn Li Chunfeng		
Audit/Check Zhong Huahua		
Approved/Approved Na Hyo Kim		

1. Material details:

1.1. Plastic part: LCP UL94V-0

1.2. Contact terminal part: C5191R-H, nickel bottom, 1ÿ" gold plated contact part

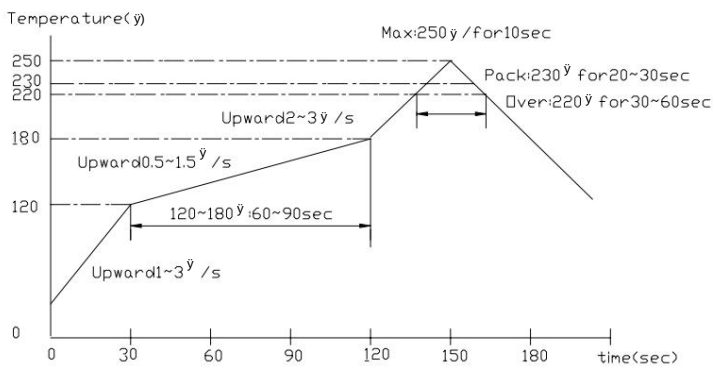
1.3. Shell part: H65, shell nickel plated bottom 50ÿ", tin plated 80ÿ

2. Working conditions:

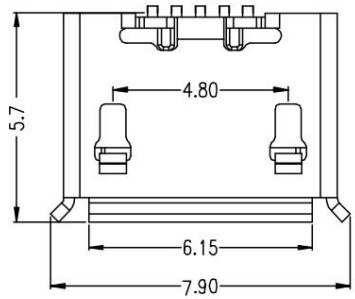
2.1. Working current: 1.8Ampere

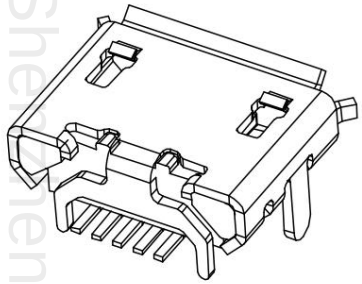
2.2. Operating temperature: -20ÿÿ+85ÿ

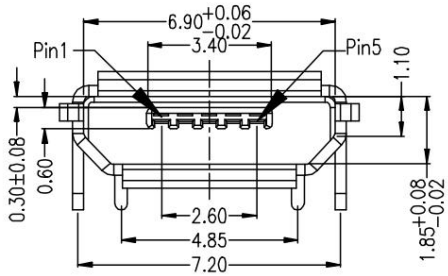
3. Electrical performance part

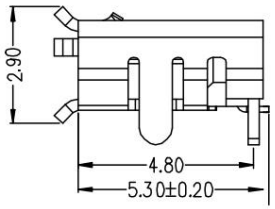
Serial number test item	Specifications and Standards	Test methods and reference standards
		Test the impedance value of the contact part of the product with low power current
3.1 Contact resistance	50mÿ MAX	Reference: EIA 364-23A Test
3.2 Insulation resistance	100Mÿ MIN 100V DC	the resistance value of plastic between adjacent contact pins Reference: EIA 364-21A Test the high voltage
3.3 Withstand voltage test	300V AC 0.5mA for 1 minute	resistance of plastic between contact pins with a current of 0.5mA for 1 minute Reference: EIA 364-20A
4. Mechanical properties part		
4.1 Insertion force	3kgf MAX	When matched with the wire end, the force reference when the wire end is inserted at 25mm/min: EIA 364-13A When matched with the wire end, the
4.2 Pull out force	0.7kgf MIN	force reference when the wire end is pulled out at 25mm/min: EIA 364-13A Contact PIN to 25mm/min speed to withdraw force from plastic
4.3 Terminal single PIN retention force	0.3 kgf MIN	
4.4 Life Test	1. There is no obvious damage to the appearance of the product 2. Insertion force: 3.57kgf MAX Pull out force: 0.81~2.05 kgf	Plug and unplug products 5000 times at a constant speed of 600 times per hour Reference: EIA 364-09A
4.5 Vibration test	10-6 seconds	With the frequency per minute from 10HZ to 55HZ, and then back to 10HZ as a cycle, the three directions of X/Y/Z are continuously tested for 2 hours each. Amplitude of 1.5mm Reference: EIA 364-28A
5. Environmental Performance Section		
5.1 Wetability	More than 95% of the area eating tin	The product welding area is immersed in a tin furnace at a temperature of 235±5ÿ for 5±0.5 seconds.
5.2 High temperature resistance	1. No obvious damage to the appearance 2. Contact resistance 100mÿ MAX 3. Insulation resistance 100Mÿ MIN	Reference: MIL STD-202F Put the product in a high temperature furnace at 85ÿ for 96 hours, and then place it at room temperature for 3 hours and observe it. Reference: MIL STD-1344A Put the product in a low temperature oven at -40ÿ for 96 hours, and then observe it after placing it at room temperature for 3 hours. Reference: MIL STD-1344A Put the product in an environment with a temperature of 40±2ÿ and a humidity of 90ÿ95RH, and
5.3 Low temperature properties	1. No obvious damage to the appearance 2. Contact resistance 100mÿ MAX 3. Insulation resistance 100Mÿ MIN	observe it after 120 hours. Reference: EIA 364-31A Place the product in a salt spray box with a concentration of 5% salt water and a temperature of 35±2°C for 12 hours, and observe the product after placing it at room temperature for 1 hour. Reference: EIA 364-26A Recommended reflow profile:
5.4 Moisture resistance	1. No obvious damage to the appearance 2. Contact resistance 100mÿ MAX 3. Insulation resistance 100Mÿ MIN	
5.5 Corrosion resistance	1. No obvious corrosion in appearance 2. Contact resistance 50mÿ MAX	
5.6 Solder resistance	1. There is no obvious discoloration and foaming in appearance; 2. The solder feet eat tin and smooth	

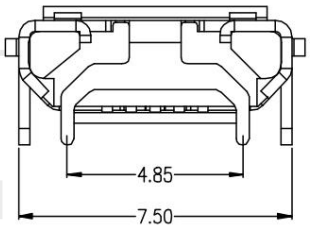
REV.	ECN NO	LOCATIONS	DESCRIPTION	DATE

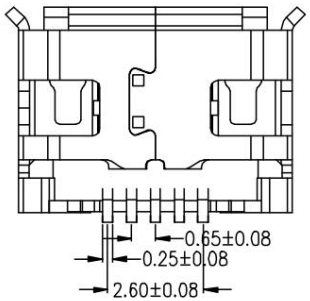


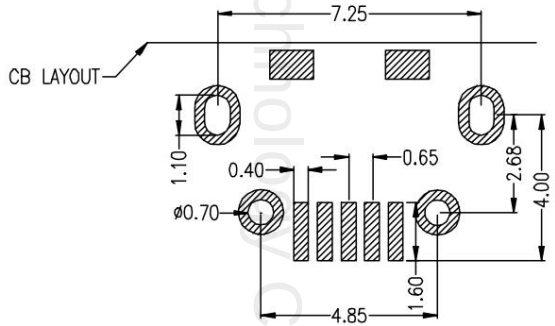












Specifications:

1. Electrical:

1.1 Current Rating:1.8A/contact terminal

1.2 Voltage Rating:30V DC

1.3 Contact Resistance:50 milliohms Max

1.4 Dielectnic Withstanding Voitage:
300 V AC AT Sea Levol

1.5 Insulation resistance:100MEGA ohms MIN

2. Mechanical:

2.1 Cnnector Mate and Unmate Force
Mate force:3.0kgf(Max)
Unmate force:0.7kgf(MIN)

2.2 Durability: 000 cycles

3. Matorial:

3.1 Housing:
Hing Temperature Tnermaplastics,
Ul 94V-0 LCP Black

3.2 Contact C5191-EH

3.3 Shell: H65 EH0.3MM

4. PLATING:

4.1 Contact: Piated Gold in Mating Area;
Tin On Solder Talls

4.2 Shell:Nickel 50u"Min Plated.

PART NO: A01SBXXXXXXX1-067		MATERAL	
MODEL NO: XX		FINSH:	
UNIT: MM	SIZE: A4	COLOR:	
TOLERANCE UNSPECIFIED .x 0.25 .xx 0.15 .xxx 0.10 Ang. 2°		DR:	
		CHK:	
		APP:	

SHOUHAN

TITLE:

DWG NO: A067 REV: A

SCALE: 5:1 DATE: