ANYCONN AND PERFORMANCE 2.00mm IC SOCKET	R	SPECIFICATION	TYPE OF PRODUCT
	ANYCONN	AND PERFORMANCE	2.00mm IC SOCKET

## 1. Scope:

This specification covers the requirements for product performance, test methods and quality assurance provisions of 2.00mm Pin Header.

## 2. Reference Documents:

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.

### A. EIA-364

The Test Sequence and Test procedures for Electrical Connectors and Sockets

### 3. Material of Components :

		component	Material	Finish	
	1	1 Housing PPS OR PA6T		None	
	2	Contact	Brass	Refer to Ordering Information	

## 4. Design and Construction:

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

## 5. Performance and Test Descriptions:

The product is designed to meet the electrical, mechanical and environmental performance requirements specified below. All tests are performed at ambient temperature unless otherwise specified.

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# 5.1 Electrical Performance:

	Test Items	Test Procedures &	z Condition	Requirements	
1	Contact Resistance	EIA-364-23 Subject mated contacts assem housing to closed circuit curre 100 mA maximum at open cir 20 mVDC maximum.	bled in ent of rcuit at 2	<ol> <li>Initial value : 20 mΩ max.</li> <li>Final value : 30 mΩ max.</li> </ol>	
2	Insulation Resistance	EIA-364-21 Measure by applying test pote between the adjacent contacts between the contacts and grou the mated connector assembli Test Voltage : 1000 V DC. Test Duration: 1 Minute	ential , and , and in N es.	Not less than 1000 MΩ	
3	Dielectric Withstanding Voltage	EIA-364-20 Measure by applying test pote between the adjacent contacts between the contacts and grou the mated connector assembli Test Potential : 500Vac at sea Test Duration : 1 Minute	ential 1 , and , and in es. 2 , level	<ol> <li>No disruptive discharge, leakage or deterioration.</li> <li>Current leakage : &lt;0.5 mA</li> </ol>	
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<b>ANYCONN<sup>®</sup></b>		SPECIFICATION AND PERFORMANCE		TYP	E OF PRODUCT		
				2.54	2.54mm IC SOCKET		
5.2	5.2 Mechanical Performance:						
Test Items Test Procedures & Condition				Requirements			
1	Retention force	EIA-364-29 Draw out a contact in solder tail direction at 5mm/minute		N	Iinimum 1kgf ( Per Pin )		
2     Durability     EIA-364-09       Mate contact at 25.4mm/minute for 500cycles			1. N 2. T perf spec para	<ol> <li>No evidence of damage.</li> <li>The electrical performances meet the spec. specified in paragraph 5.1</li> </ol>			
3	Solder ability	<ul> <li>EIA-364-52 Category 3</li> <li>Subject unmated connectors should be tested according to the condition listed below :</li> <li>Steam Aging Temperature : 90 ~ 96°C Steam Aging Duration : 8 hours±5 min. Soldering Temperature : 245±5°C Soldering Time : 4 ~ 5 seconds</li> </ul>			Con with cove	tinuous solder coating a minimum 95% erage.	
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	Test Items	Test Procedures &	Condition	Requirements
4	Vibration	<ul> <li>EIA-364-28 Condition V Test</li> <li>Subject mated connectors sho tested according to the condition below :</li> <li>Test condition : Random Frequency : 50 ~ 2000 Hz</li> <li>PSD value : 3.13 Grams minimal Duration : 15 minutes/axis</li> <li>Times : Each of three mutuall perpendicular planes</li> </ul>	uld be ion listed mum y	No evidence of damage. No discontinuities of µs or longer duration. The electrical performances meet the pec. specified in paragraph 5.1
5	Physical Shock	EIA-364-27 Condition H Subject mated connectors sho tested according to the conditi below : Wave form : Half-sine Peak acceleration : 30 G' s Duration : 11 ms Times : 3 shocks in each direct applied along three mutually perpendicular planes, total 18	uld be fon listed 2. N 1 3. T p shocks.	No evidence of lamage. No discontinuities of µs or longer duration. The electrical performances meet the pec. specified in paragraph 5.1
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53	Environmental Perfo	ormance.				
	Test Items		Test Procedures &	Condition		Requirements
1	Humidity	EIA 364 Subject : tested ac below : Tempera Humidit Duratior	A 364-31 Method III Test Condition A oject mated connectors should be ed according to the condition listed ow : nperature : $25 \sim 65^{\circ}$ C midity : $90 \sim 95\%$ ( R.H ) ration : 96 hours		1. No 2. The me the par	evidence of damage. e electrical performances et spec. specified in agraph 5.1
2       Thermal Shock       EIA 364-32 Test Condition I         Subject mated connectors should be tested according to the condition listed below :       Temperature : -40 ~ 105°C         Cycles : 5       Exposure time at temperature extremes : 30 minutes			1. No 2. The per the par	evidence of damage. e electrical formances meet spec. specified in agraph 5.1		
3	Salt Spray	EIA 364 Subject : should b condition Tempera Humidit PH Valu Duratior	EIA 364-26 Test Condition A Subject mated and unmated connectors should be tested according to the condition listed below : Temperature : $35\pm2^{\circ}$ C Humidity : $95 \sim 98\%$ ( R.H ) PH Value : $6.5 \sim 7.2$ Duration : 24 hours		1. No 2. The per the par	evidence of damage. e electrical formances meet spec. specified in agraph 5.1
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	Test Items	Test Procedures &	c Condition	Requirements
4	Temperature Life	EIA 364-17 Test Condition 3 M Subject mated connectors shoul tested according to the condition below : Temperature : 105±2°C Duration : 96 hours	Iethod A 1 d be n listed 2 p ti p	. No evidence of damage. . The electrical erformances meet ne spec. specified in aragraph 5.1
5	Resistance to Soldering Heat	EIA 364-56 Procedure 3 Test C PPS/PA6T Thermoplastic Can Resistance to Reflow Soldering Heat:260±5°C 5-10 Seconds PPS/PA6T Thermoplastic Can Resistance to Wave Soldering Heat:260±5°C 5-10 Seconds Under PCB board Temperature:260±5° (	ondition C 1 2 p t t 3 p t t 2 p t t 2 p t t 2 p t t	. No evidence of damage. . The electrical erformances meet he spec. specified in aragraph 5.1 . The mechanical erformances meet he spec. specified in aragraph 5.2
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