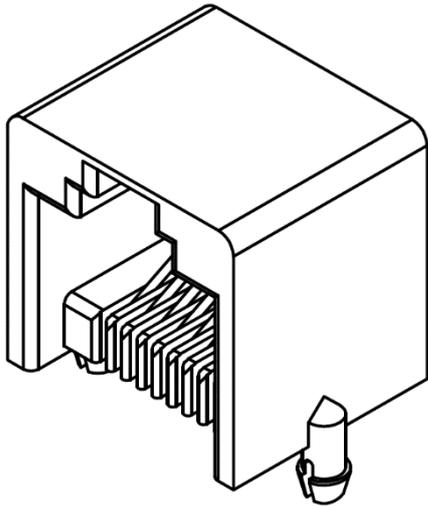
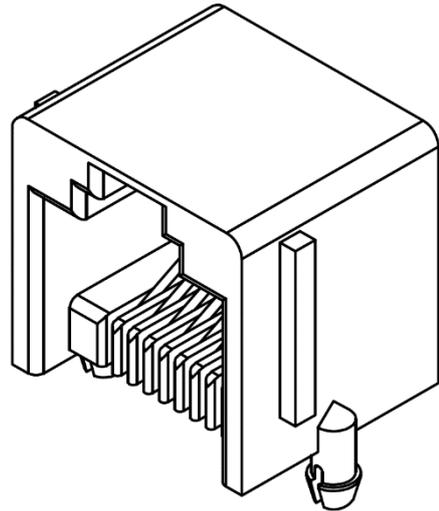


PRODUCT SPECIFICATION

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Product Description	Mod Jack, Category 3, Right Angle, Through Hole, Standard Profile, Inverted Latch, 8 Position			Page	1		
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MJ3221-88



MJ3225-88

PRODUCT SPECIFICATION

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1.0 SCOPE.

This specification covers performance, tests and quality requirements for the Modular Jack, Category 3, Right Angle, Through Hole, Low Profile, Standard Latch, 8 Position, MJ3221 & MJ3225 Range.

2.0 PRODUCT NAME AND PART NUMBER.

Modular Jack Connector, 8 Position, Category 3, Right Angle, Through Hole, Standard Profile, Inverted Latch – MJ3221-88-0
 Modular Jack Connector, 8 Position, Category 3, Right Angle, Through Hole, Standard Profile, Inverted Latch – MJ3225-88-0

3.0 PRODUCT SHAPE, DIMENSIONS AND MATERIAL.

Please refer to drawings.

4.0 RATINGS.

Current rating 1.5 A
 Voltage rating 125 V AC
 Storage Temperature..... -40°C to +85°C
 Operating Temperature Range -40°C to +85°C

5.0 TEST AND MEASUREMENT CONDITIONS.

Product is designed to meet electrical, mechanical and environmental performance requirements specified in Paragraph 6.0. All tests are performed under the following conditions unless otherwise specified.

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6.0 PERFORMANCE.

Item	Test Condition	Requirement
Examination of Product	Visual, dimensional and functional inspection as per quality plan.	Product shall meet requirements of product drawing and specification.

6.1 Electrical Performance.

Item	Test Condition	Requirement
Contact Resistance	Being mated contacts assembled in housing to short circuit current of 100mA at open circuit voltage 20mV.	Round Pin:20mΩMax Flat Pin & Double Row Type: 50mΩMax
Insulation Resistance	Being measured with an insulation measuring device of DC 500V between any open terminal and between the terminal and the shield	1000MΩ Min.
Dielectric Strength	Withstand AC 1000V(50—60Hz) for 1 minute being applied between any open terminal and between the terminal and the shield.	No breakdown

6.2 Mechanical Performance.

Item	Test Condition	Requirement
Durability	750 cycles operating at a rate of 10-20 cycles per minute, without load.	<ol style="list-style-type: none"> 1 Contact Resistance: Initial value +30mΩ 2 Insulation Resistance: 1000MΩ Min. 3 Withstand Voltage: AC 1000V.1 minute. 4 There shall be no defects in appearance or in the mechanical functions
Solderability Test	The top of the terminals shall be dipped 2mm in the solder bath of 245±5°C for 5±1.0 seconds.	A new uniform coating of solder shall cover a minimum of 95% of the surface being immersed.
Resistance to Soldering Heat Test	The top of the terminals shall be dipped 2mm in the solder bate of 260°C ±5°C for 5±1.0 seconds.	Without harmful damage in appearance, mechanical and electrical characteristics shall be satisfied.

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Item	Test Condition	Requirement
Vibration Test	The testing duration is 60 minutes per axis which include x. y. z axis. The condition of frequency is 10~55~10HZ/MIN and the amplitude is 1.50mm.	There shall be no less in continuity longer than 1μs. Without harmful damage in appearance, mechanical and electrical characteristics shall be satisfied.
Shock Test	The testing duration is 3 Times per axis which include x. y. z axis. The condition of shock strength is 50g and the continuity time of pulse is 11ms.	There shall be no less in continuity longer than 1μs. Without harmful damage in appearance, mechanical and electrical characteristics shall be satisfied.
Plug Retention Force	Apply an axial pull-out force on the plug at a speed of 25.4mm per minute.	50N Min.
Mating/Unmating Force	Mate and Unmate plug (latch depressed) at a speed of 25.4mm per minute.	30N Max.

6.3 Environmental Performance and Others.

Item	Test Condition	Requirement
Humidity Test	40°C ±2°C, 90-95% RH for 96 hours. After test kept in normal condition for 30minutes.	<ol style="list-style-type: none"> 1 Contact Resistance: Initial value +30mΩ 2 Insulation Resistance: 1000MΩ Min. 3 Withstand Voltage: AC 1000V.1 minute. 4 There shall be no defects in appearance or in the mechanical functions
Heat Test	70°C ±2°C for 96 hours. After test kept in normal condition for 30 minutes.	<ol style="list-style-type: none"> 1 Contact Resistance: Initial value +30mΩ 2 Insulation Resistance: 1000MΩ Min. 3 Withstand Voltage: AC 1000V.1 minute. 4 There shall be no defects in appearance or in the mechanical functions
Salt Spray	Salt water shall be adjusted at 5% weight ratio. 35±°C for 24 hours. After salt is removed by running water and a drop is removed, it is measured.	<ol style="list-style-type: none"> 1 Contact Resistance: Initial value +30mΩ 2 No visible rust

PRODUCT SPECIFICATION

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7.0 TEST GROUP AND SEQUENCE

Item	Description	Test Group							
		A	B	C	D	E	F	G	H
		Test Sequence							
1	Visual Inspection	1,7	1,6	1,9	1,9	1,9	1,3	1,3	1,3
2	Contact Resistance (Low Level)	2,6	2,5	2,6	2,6	2,6			
3	Insulation Resistance			3,7	3,7	3,7			
4	Dielectric Withstanding Voltage			4,8	4,8	4,8			
5	Durability (Life Test)	4							
6	Vibration Test		3						
7	Shock (Mechanical)		4						
8	Humidity (Steady State)			5					
9	Solderability							2	
10	Resistance to Solderability Heat						2		
11	Salt Spray				5				
12	Heat Test					5			
13	Plug Retention Force								2
14	Mating/Unmating Force	3,5							
Sample Size (pcs)		5	5	5	5	5	5	5	5