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Jameco Part Number 1976769

TITLE : 50 OHMS BNC R/A PCB RECEPTACLE

			TITLE : 50 OHMS BNC R/A PCB RECEPTACLE	
G	MODIFY CONTACT	EMILY	Product Specification	
F	ADDED MATERIAL	IRIS		
REV	DESCRIPTION	SIGN	THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DOCUMENT NO PS - 73598-0050			Prepared By: R. Wolff	Date: 94/9/08
			Checked By: <i>Sm</i>	Date: 97.10.17
			Approved By: <i>Wally</i>	Date: 97.10.20
			SHEET NO. 1 of 7	

MOLEX TAIWAN LTD (RF)

1.0 SCOPE

This specification covers the performance requirements and characteristics for
50 OHMS BNC R/A PCB RECEPTACLE

2.0 APPLICABLE DOCUMENTS SPECIFICATIONS

2.1 Per applicable Molex Material Spec. refer to Sales and Engineering Drawings.

3.0 PRODUCT DESCRIPTION

3.1 Product Name

50 OHMS BNC R/A PCB RECEPTACLE

3.2 Material

Refer to respective sales drawing

3.3 Finishes

Refer to respective sales drawing.

4.0 RATINGS

Item	Rating
Working Voltage	500 VRMS @ Sea Level
Impedance	50 Ohms Nominal
Frequency Range	0 ~ 2.0 GHz
Temperature Range	-20 deg. C to + 70 deg. C

5.0 PERFORMANCE SPECIFICATIONS

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5.1 Mating Characteristics

Test Item	Test Spec.	Test Condition
Force to engage and disengage	Longitudinal force: 3 lb pounds max. Torque: 2.5 inchs pounds max.	
Insertion and Withdrawal Force	Insertion force: 3 pounds max. Withdrawal force: 2 ounces min.	Test pin gauge: Insertion force: 1.37mm Dia. Withdrawal force: 1.32mm Dia.

5.2 Electrical Performance

Test Item	Test Spec.	Test Condition
Contact Resistance	Center Contact: 15.0 milliohms max. initial Outer Contact: 3.0 milliohms max.	
Insulation Resistance	5000 megohms min.	MIL-STD-202F, Method 302 Condition B
Dielectric Withstanding Voltage	1500 volts rms. min.	at sea level

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5.3 Mechanical Performance

Test Item	Test Spec.	Test Condition
Durability	a) No damage to interface b) meet the requirements of 5.1 Force to engage and disengage	After 500 mating cycles @ 12 cycles per minute
Center Contact Retention Force	6.0 pounds axial force min.	

5.4 Environmental Performance

Test Item	Test Spec.	Test Condition
Corrosion (Salt Spray)	No exposure of base metal at mating surface	MIL-STD-202F, Method 101D. Test Condition B.
Moisture Resistance	Insulation resistance should be at least 200 megohms within 5 minutes after removal from humidity.	MIL-STD-202F, Method 106F, (Less Step 7a & b)
Vibration	No discontinuity permitted when subjected to sinusoidal vibration having a 15 G excitation force and a 0.06 inch amplitude. Swept frequency range between 10 to 2000 HZ.	MIL-STD-202F, Method 204D, Test Condition B

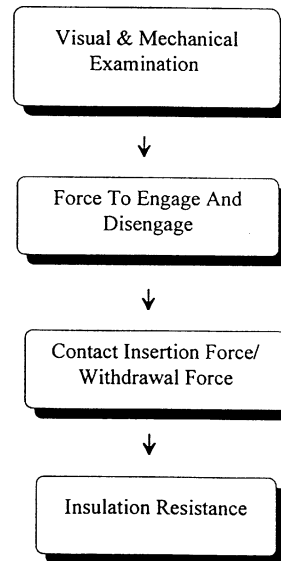
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Mechanical Shock	No Discontinuity permitted when subjected to a saw tooth shock pulse of 50 G acceleration with a 11 Ms duration.	MIL-STD-202F, Method 213B, Test Condition A
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6.0 Test Sequence

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GROUP II

Center Contact
Retention Force



Corrosion

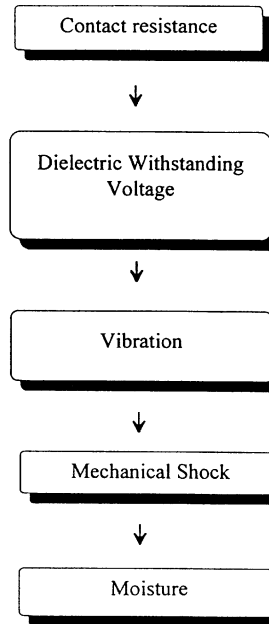
GROUP III

Durability

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GROUP IV



7. Packaging:

Parts shall be packaged to protect against damage during handling, transit , and storage.

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