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ELECTRONICS

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Jameco Part Number 1444711



1.0 SCOPE

2.0 PRODUCT DESCRIPTION

2.2 For dimensions, materials & plating, refer to the appropriate product drawings.

The following documents are part of this specification to the extent specified herewith. 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 reference documents, this specification shall take the precedence.

MIL-STD-1344 Test methods of Electrical Connector

4.1 Voltage : 125V

4.2 Current : 2.00 Amp

4.3 Operating Temperature : -55°C to + 105°C Current

<u>REVISION:</u> <div style="font-size: 2em; font-weight: bold; text-align: center;">B1</div>	<u>ECR/ECN INFORMATION:</u> <u>EC No:</u> S2004-0868 <u>DATE:</u> 2004/07/20	<u>TITLE:</u> 2MM DUAL ROW OR SINGLE ROW (SMT/ VERTICAL/ RIGHT ANGLE) HEADER		<u>SHEET No.</u> <div style="font-size: 1.5em; text-align: center;">1 of 3</div>
<u>DOCUMENT NUMBER:</u> <div style="font-size: 1.2em; font-weight: bold; text-align: center;">PS-87761-100</div>		<u>CREATED / REVISED BY:</u> <div style="text-align: center;">AI TING</div>	<u>CHECKED BY:</u> <div style="text-align: center;">KCLING</div>	<u>APPROVED BY:</u> <div style="text-align: center;">SKTOH</div>
<div style="text-align: right; font-size: 0.8em;">TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A4](V.1).DOC</div>				



PRODUCT SPECIFICATION

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Capacitance	Measure between adjacent terminals	1.2 pf max
2	Insulation Resistance	Test between adjacent contact at 500 V DC for 1 minute, per (MIL-STD-1344 MTD 3001.1)	1000 Megaohms minimum
3	Dielectric Strength	Test between adjacent contact at 500VAC rms and 1 minute hold time.	No breakdown

5.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
4	Pin Retention Force in Housing	Push pin axially from housing at a rate of 12.7mm/min (0.50 inch/min)	0.85 Kgf min

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PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	Temperature Rise	Apply 2 amps DC to the header and measure contact temperature rise for 48 hours	30°C maximum temperature rise above ambient.
6	Solderability	Solder Time: 5 ± 0.5 sec. Solder Temperature: 245 ±5 °C	Soldertail should have 95% continuous new solder coating coverage (Apply to non-kinked Soldertail only)
7	Resistance to Soldering Heat (Wave Soldering) For Series a)87760, b)87758, 87830, 87761 c) Other series	Sample mounted on PCB and subject to wave soldering, a)Temperature : 260 ±5 °C for 12 ± 2 Sec b)Temperature : 245 ±5 °C for 3Sec c) Temperature : 245 ±5 °C for 5Sec	Appearance : No Damage
8	Resistance to Solder Heat (Reflow) For Series 87759, 87762	Sample mounted on PCB and subject to reflow, Temperature : 245 ±5 °C for 10 ±2 Sec	Appearance : No Damage

6.0 Packaging

Product shall be packaged and protected against damage during handling, transportation and storage.

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