



PRODUCT SPECIFICATION



LANGUAGE

ENGLISH

5. PERFORMANCE

5.1 ELECTRICAL PERFORMANCE

ITEM	TEST CONDITION	REQUIREMENT
Electric Resistance	Mate pin and receptacle, and measure the electric resistance on frictional contact area and crimped part at the test current load.	2.0 milliohms MAXIMUM

5.2 MECHANICAL PERFORMANCE

ITEM	TEST CONDITION	REQUIREMENT
Insertion & Withdrawal Force	Pin and receptacle shall be steadily inserted and extracted six times at a rate of 25±6mm per minute.	Unplated and Tin-Plated Terminal Initial Insertion Force : 5.0 Kgf MAXIMUM 6th Withdrawal Force : 2.5 Kgf MINIMUM Au-Plated Terminal Initial Insertion Force : 4.5 Kgf MAXIMUM 6th Withdrawal Force : 1.5 Kgf MINIMUM
Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25±6mm per minute.	AWG #20 : 8Kg MINIMUM AWG #18 : 15Kg MINIMUM AWG #16 : 20Kg MINIMUM AWG #14 : 28Kg MINIMUM

5.3 ENVIRONMENTAL PERFORMANCE

ITEM	TEST CONDITION	REQUIREMENT
Temperature Rise	Mate pin and receptacle ; measure the temperature rise at the rated current load	30°C MAXIMUM

REVISE ON PC ONLY		TITLE	SHEET
D	REVISED EC#: KOR2005-0026 04/09/30 C.B		
REV	DESCRIPTION	FILE NAME PS35730AA	
DOCUMENT NO. PS-35730-001			
ES-40000-3996 REV. A SHEET 4 95/MAR/10 EC U5-0926 DCBRD03.SAM			



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Salt Spray	Put the terminal into the chamber at 35 +1/-2°C and spray 5% solution of NaCl for 3 cycles. * 1 cycle : 24 hours 8 hours : spray , 16 hours: dwell	Appearance : No Damage
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D	REVISE ON PC ONLY REVISED EC#: KOR2005-0026 04/09/30 C.B	TITLE 3.56/3.96mm dia. Pin and Receptacle Terminals -LEAD FREE-	THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
	REV		
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