



# PRODUCT SPECIFICATION

## MINI-FIT JR. STRAIN RELIEF

### 1.0 SCOPE

This Product Specification covers performance requirements for the MINI-FIT JR. STRAIN RELIEF for use with MINI-FIT JR. receptacle and plug housings without mounting ears.

### 2.0 PRODUCT DESCRIPTION

#### 2.1 PRODUCT NAME AND SERIES NUMBER (S)

PRODUCT NAME

Strain Relief Shell  
Receptacle Housing  
Plug Housing

PART NUMBER

41995-\*\*  
5557-\*\*\*\*  
5559-\*\*P1-\*

#### 2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

See the appropriate sales drawings for the information on dimensions, materials, platings and markings.

### 3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

See sales drawings and the other sections of this specification for the necessary referenced documents and specifications

### 4.0 PERFORMANCE

#### 4.1 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	<b>Connector Housing Retention</b>	Assemble connector housing into strain relief shell. Mount wire-exit end of shell into fixture and apply a force to the connector housing at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute until failure.	124 N (28 lbf) MINIMUM retention force
2	<b>Axial Wire Retention</b>	Assemble fully loaded connector housing into strain relief shell. Tighten tie-strap around wire bundle to 30 lb. tension. Secure strain relief shell in fixture. Pull wire bundle at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute until slippage is observed.	41995-2* = 111 N (25 lbf) Min. 41995-4* = 111 N (25 lbf) Min. 41995-6* = 111 N (25 lbf) Min. 41995-8* = 111 N (25 lbf) Min. 41995-12* = 155 N (35 lbf) Min

### 5.0 PACKAGING

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

REVISION: <b>B</b>	ECR/ECN INFORMATION: EC No: <b>UCR2000-0382</b> DATE: <b>2001 / 09 / 12</b>	TITLE: <b>PRODUCT SPECIFICATION FOR MINI-FIT JR. STRAIN RELIEF</b>	SHEET No. <b>1 of 1</b>
DOCUMENT NUMBER: <b>PS-41995-001</b>	CREATED / REVISED BY: <b>M. BANDURA</b>	CHECKED BY: <b>M. BANDURA</b>	APPROVED BY: <b>Y. MARGULIS</b>