



PRODUCT SPECIFICATION

1.0 SCOPE

This Product Specification covers the strain relief terminals when terminated with 16 to 26 AWG wire using crimp technology.

2.0 PRODUCT DESCRIPTION

This terminal is to be utilized as a mechanical holding device to retain a wire in a printed circuit board until the board is wave soldered. This terminal is not intended to function electrically without a soldering operation.

2.1 PRODUCT NAME AND SERIES NUMBERS

Crimp Terminals: 4706, 4811, 41817, 42001

Other products conforming to this specification are noted on the individual drawings.

DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

Terminal Material: Brass

For more information on dimensions, materials, and plating see the individual drawings.

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

None

4.0 RATINGS

4.1 VOLTAGE

Is a function of the wire size, since wire is soldered directly to the PCB.

4.2 CURRENT

Is a function of the wire size, since the wire is soldered directly to the PCB.

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

Are a function of the wire size, since the wire is soldered directly to the PCB.

5.2 MECHANICAL REQUIREMENTS

DESCRIPTION	TEST CONDITION	REQUIREMENT
Terminal Insertion Force (into PCB)	Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm (1 ± ¼ inch).	29 N (6.5 lbf) MAXIMUM insertion force
Terminal Retention Force (in PCB)	Axial pullout force on the terminal in the PCB at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	4.5 N (1.0 lbf) MINIMUM retention force

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5.3 ENVIRONMENTAL REQUIREMENTS

Are a function of the wire size, since the wire is soldered directly to the PCB.

6.0 PACKAGING

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

7.0 GAGES AND FIXTURES

8.0 OTHER INFORMATION

Terminals accepts the following wire sizes. (See individual drawings for specific wire.)

Terminal	Wire Awg	Maximum Insulation Dia
4706	16-18 awg	3.05mm (.120) Dia Max
4706-3	18/24 awg	3.05mm (.120) Dia Max
4811-*-*A	22-26 awg	2.54mm (.100) Dia Max
4811-*-*C	22-26 awg	1.52mm (.060) Dia Max
41817	22-26 awg	1.52mm (.060) Dia Max
42001	22-26 awg	1.52mm (.060) Dia Max

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