

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0428171014](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** Mini-Fit Sr. Crimp Terminal, Male, 10-12 AWG, Silver (Ag)

**Documents:**

[Drawing \(PDF\)](#) [Application Specification AS-42815-001 \(PDF\)](#)  
[Product Specification PS-42815-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Crimp Terminals
Series	<a href="#">42817</a>
Application	Power, Wire-to-Wire
Comments	High Current/Low Force See Product Specification for maximum current rating by circuit size and application., High Current/Low Force See Product Specification for maximum current rating by circuit size and application.
Crimp Quality Equipment Overview	Yes
Product Name	<a href="#">Mini-Fit Sr. Power Connectors</a>
UPC	Mini-Fit Sr. 889056244749

**Physical**

Gender	Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Silver over Nickel
Material - Plating Termination	Tin over Nickel
Net Weight	1.395/g
Packaging Type	Reel
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	5.30mm max.
Wire Size AWG	10, 12
Wire Size mm <sup>2</sup>	N/A

**Electrical**

Current - Maximum per Contact	50.0A
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**Solder Process Data**

Lead-freeProcess Capability	N/A
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**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-42815-001
Product Specification	PS-42815-001-001



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42817 Series](#)

**Use With**

Mini-Fit Sr. Plug Housings [42818](#) , [43938](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

Hand Crimp Tool for [2002181600](#)

Mini-Fit Sr. Crimp

Terminals, 10-12

AWG

Manual Extraction [638130400](#)

Tool

Mini-Mac Applicator [638911100](#)

Mini-Mac Applicator [638911200](#)

for "Mini-Fit Sr."

Terminals

FineAdjust Applicator 639040200  
for Mini-Fit Sr. Male  
and Female Crimp  
Terminals, Metric  
Wire Crimping only

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