

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

**Part Number:** **0428170012**  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** Mini-Fit Sr. Crimp Terminal, Male, 10-12 AWG, Gold (Au)

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-42815-001-002 (PDF)</a>
<a href="#">Product Specification PS-42815-001 (PDF)</a>	<a href="#">Test Summary TS-42815-001 (PDF)</a>
<a href="#">Application Specification AS-42815-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	Crimp Terminals
Series	42817
Application	Power, Wire-to-Board, 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	Mini-Fit Sr. Power Connectors
UPC	Mini-Fit Sr. 800756491561

**Physical**

Gender	Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Net Weight	1.390/g
Packaging Type	Reel
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	5.30mm max.
Wire Size AWG	10, 12
Wire Size mm²	N/A

**Electrical**

Current - Maximum per Contact	50.0A
-------------------------------	-------

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-42815-001
Packaging Specification	PK-42815-001-002
Product Specification	PS-42815-001
Sales Drawing	428170000-SD-000
Test Summary	TS-42815-001



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/88/2018 (15  
January 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 Mini-Fit Sr. Crimp Terminals, 10-12 AWG	<a href="#">2002181600</a>
---	----------------------------

Manual Extraction Tool	<a href="#">638130400</a>
------------------------	---------------------------

Hand Crimp Tool for Mini-Fit Sr. Male and Female Terminals, 5mm² and 6mm² Wire	<a href="#">638279300</a>
--	---------------------------

Mini-Mac Applicator 638911100  
Mini-Mac Applicator 638911200  
for "Mini-Fit Sr."  
Terminals  
FineAdjust Applicator639040200  
for Mini-Fit Sr. Male  
and Female Crimp  
Terminals, Metric  
Wire Crimping only  
FineAdjust Applicator639040300  
for Mini-Fit Sr. Male  
and Female Crimp  
Terminals, Metric  
Wire Crimping only

This document was generated on 03/29/2019

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**