

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

**Part Number:** [0428150042](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** Mini-Fit Sr. Crimp Terminal, Female, 14-16 AWG, Gold (Au)

**Documents:**

[Drawing \(PDF\)](#) [Packaging Specification PK-42815-001-002 \(PDF\)](#)  
[Product Specification PS-42815-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family Crimp Terminals  
 Series [42815](#)  
 Application Power, Wire-to-Board, Wire-to-Wire  
 Comments High Current/Low Force<br>See Product Specification for maximum current rating by circuit size and application., High Current/Low Force<br>See Product Specification for maximum current rating by circuit size and application.  
 Crimp Quality Equipment Yes  
 Overview [Mini-Fit Sr. Power Connectors](#)  
 Product Name Mini-Fit Sr.  
 UPC 756054457078

**Physical**

Gender Female  
 Material - Metal High Performance Alloy (HPA)  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Net Weight 1.353/g  
 Packaging Type Reel  
 Plating min - Mating 0.762µm  
 Plating min - Termination 2.540µm  
 Termination Interface: Style Crimp or Compression  
 Wire Insulation Diameter 3.33mm max.  
 Wire Size AWG 14, 16  
 Wire Size mm² N/A

**Electrical**

Current - Maximum per Contact 50.0A

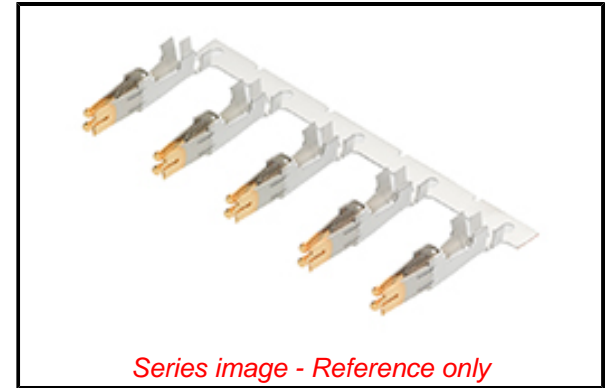
**Solder Process Data**

Lead-freeProcess Capability N/A

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-42815-001-002  
 Product Specification PS-42815-001-001  
 Sales Drawing SD-42815-020-001



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ECHA\_01\_2020 (16  
 January 2020

**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**

[42815 Series](#)

**Use With**

Mini-Fit Sr. Receptacle Housing [42816](#) ,  
[43914](#)

**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        | <a href="#">638113800</a> |
| Manual Extraction Tool | <a href="#">638130400</a> |
| Mini-Mac Applicator    | <a href="#">638912000</a> |