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**Part Number:** [0428150012](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Sr.™ Power Connectors](#)  
**Description:** [Mini-Fit Sr.™ Crimp Terminal, Female, 10-12 AWG, Gold \(Au\)](#)

**Documents:**

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

**General**

Product Family	Crimp Terminals
Series	42815
Application	Power
Comments	High Current/Low Force See Product Specification for maximum current rating by circuit size and application.
Crimp Quality Equipment	Yes
MolexKits	Yes
Overview	<a href="#">Mini-Fit Sr.™ Power Connectors</a>
Product Name	Mini-Fit Sr.™
UPC	800756101095

**Physical**

Gender	Female
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Net Weight	1.351/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
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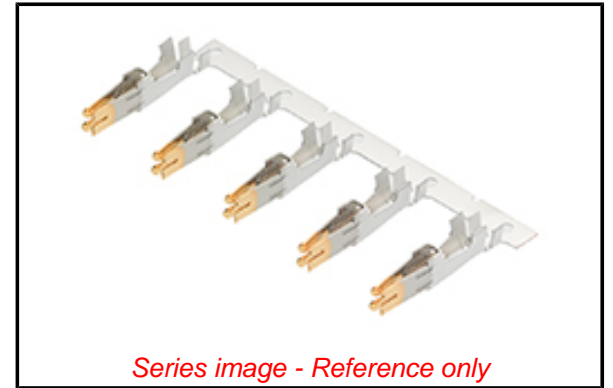
**Solder Process Data**

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

**Reference - Drawing Numbers**

Product Specification	PS-42815-001
Sales Drawing	SD-42815-*
Test Summary	TS-42815-001



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/21/2016 (20 June 2016)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS  
ELV

Green Image  
Not Relevant

**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 Crimper	<a href="#">0638111600</a>
Manual Extraction Tool	<a href="#">0638130400</a>
Hand Crimp Tool for Mini-Fit Sr.™ Male and Female	<a href="#">0638279300</a>

Terminals, 5mm <sup>2</sup> and 6mm <sup>2</sup> Wire Mini-Mac™ Applicator	<u>0638911100</u>
Mini-Mac™ Applicator for “Mini- Fit Sr.” Terminals	<u>0638911200</u>
FineAdjust™ Applicator for Mini- Fit Sr.™ Male and Female Crimp Terminals, Metric Wire Crimping only	<u>0639040200</u>
FineAdjust™ Applicator for Mini- Fit Sr.™ Male and Female Crimp Terminals, Metric Wire Crimping only	<u>0639040300</u>
<b>Japan</b>	
<b>Description</b>	<b>Product #</b>
Side-Feed Applicator For Full-Auto Machine	<u>0573983200</u>

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