

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

**Part Number:** [0428150011](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** Mini-Fit Sr. Crimp Terminal, Female, 10-12 AWG, Tin (Sn), USE NYE LUBE ON MATING SURFACES  
**Replacement Part Number :** <http://www.molex.com/molex/search/partSearch?pQuery=&sType=p&query=0428150012428150012> (Gold)

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-42815-001-001 (PDF)</a>
<a href="#">Product Specification PS-42815-001-001 (PDF)</a>	<a href="#">Packaging Specification PK-42815-001-002 (PDF)</a>
<a href="#">Product Specification TS-42815-001-001 (PDF)</a>	<a href="#">Test Summary TS-6547-001-001 (PDF)</a>
<a href="#">Application Specification AS-42815-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	Crimp Terminals
Series	42815
Application	Power
Comments	WHEN USING OVERALL TIN PLATED TERMINALS: FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING, MOLEX STRONGLY RECOMMENDS THE USE OF NYE LUBRICANT (NYOGEL 7600) ON THE MATING SURFACES OF THE TERMINAL . . 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>
Replacement Part Number	Mini-Fit Sr.
Replacement Part Number	428150012 (Gold)
UPC	428150114 (Silver)
	800753749795

**Physical**

Gender	Female
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	1.351/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 mm²	N/A

**Electrical**

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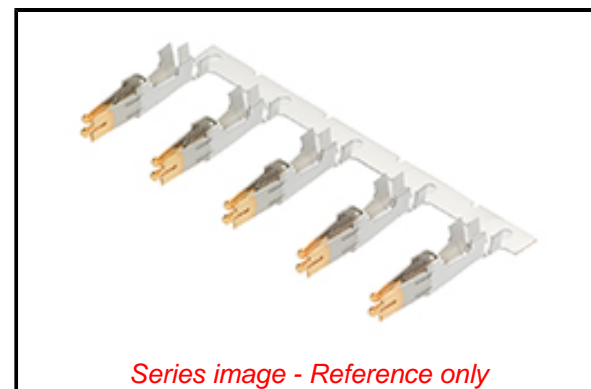
**Solder Process Data**

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

**Reference - Drawing Numbers**

Application Specification	AS-42815-001-001
Packaging Specification	PK-42815-001-001, PK-42815-001-002



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - D(2021)4569-DC (8 July 2021)

**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 for 10.00mm Pitch Mini-Fit Sr. Crimp Terminals, 10-12 AWG	<a href="#">2002188600</a>
FineAdjust Applicator for Insulation OD 4.40-5.30mm, 10-12 AWG	<a href="#">2037022700</a>

Product Specification  
Sales Drawing  
Test Summary

PS-42815-001-001, TS-42815-001-001  
428150000-SD-000  
TS-6547-001-001

FineAdjust Applicator 2037022800  
for Insulation OD  
3.50-4.40mm, 10-12  
AWG  
Extraction Tool 638130400  
for Mini-Fit Sr.  
Terminals, 8-16  
AWG  
Hand Crimp Tool for 638279300  
Mini-Fit Sr. Male and  
Female Terminals,  
5mm<sup>2</sup> and 6mm<sup>2</sup>  
Wire  
FineAdjust Applicator 639040200  
for Insulation OD  
4.30-5.00mm,  
5.00-6.00mm<sup>2</sup>  
FineAdjust Applicator 639040300  
for Insulation OD  
4.00-4.20mm,  
5.00-6.00mm<sup>2</sup>

This document was generated on 02/04/2022

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