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**Part Number:** [0428150041](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Sr. Power Connectors](#)  
**Description:** Mini-Fit Sr. Crimp Terminal, Female, 14-16 AWG, Tin (Sn), USE NYE LUBE ON MATING SURFACES  
**Replacement Part Number :** <http://www.molex.com/molex/search/partSearch?pQuery=&sType=p&query=0428150042428150042> (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="#">Application Specification AS-42815-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	Crimp Terminals
Series	<a href="#">42815</a>
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	<a href="#">Mini-Fit Sr.</a>
Replacement Part Number	<a href="#">428150042</a> (Gold)
UPC	<a href="#">428150144</a> (Silver)
	756054457061

**Physical**

Gender	Female
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	1.350/g
Packaging Type	Reel
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	4.57mm max.
Wire Size AWG	14, 16
Wire Size mm²	N/A

**Electrical**

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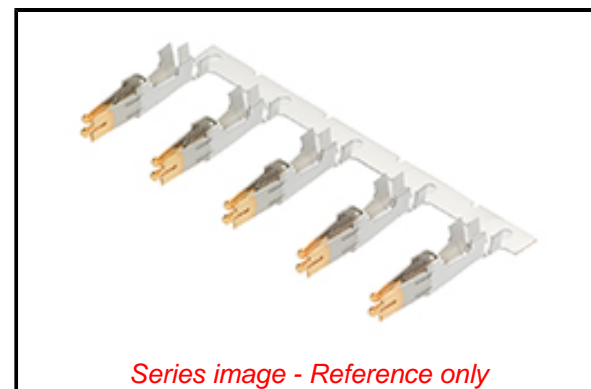
**Solder Process Data**

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

**Reference - Drawing Numbers**

Application Specification	<a href="#">AS-42815-001-001</a>
Application Tooling Documents	<a href="#">ATS-638912000-001</a>
Packaging Specification	<a href="#">PK-42815-001-001</a> , <a href="#">PK-42815-001-002</a>



*Series image - Reference only*

**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 #
PremiumGrade Hand Crimp Tool for 10.00mm Mini-Fit Sr. Male and Female Terminals, 14-16 AWG	<a href="#">638113800</a>
Extraction Tool for Mini-Fit Sr. Terminals, 8-16 AWG	<a href="#">638130400</a>

Product Specification  
Sales Drawing

PS-42815-001-001  
SD-42815-020-001

Mini-Mac Applicator 638912000  
for Mini-Fit Sr.  
Male and Female  
Terminals for 14-16  
AWG Wire with  
Insulation Diameter  
no greater than  
3.33mm

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