



Part Number : 428150031

Product Description : Mini-Fit Sr. Crimp Terminal, Female, 8 AWG, Tin (Sn), USE NYE LUBE ON MATING SURFACES

Series Number : 42815

Status : Active

Product Category : Crimp Terminals

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## Documents & Resources

### Drawings

Drawing 428150031\_sd.pdf

Packaging Design Drawing PK-42815-001-001.pdf

### Specifications

Application Specification AS-42815-001-001.pdf


Product Specification PS-42815-001-001.pdf

Test Summary TS-6547-001-001.pdf

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Part Details

### General

Status	Active
Category	Crimp Terminals
Series	42815
Description	Mini-Fit Sr. Crimp Terminal, Female, 8 AWG, Tin (Sn), USE NYE LUBE ON MATING SURFACES
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.
Product Family	Mini-Fit Sr. Power Connectors
Product Name	Mini-Fit Sr.
UPC	800754381512

### Electrical

Current - Maximum per Contact	50.0A
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### Physical

Gender	Female
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	1.520/g
Packaging Type	Reel
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	6.60mm max.

Wire Size (AWG)	8
Wire Size mm <sup>2</sup>	N/A

### Solder Process Data

Lead-Free Process Capability	N/A
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### Use with Part(s)

Description	Part Number
10.00mm Pitch Mini-Fit Sr. Single Row Receptacle Housings	<u>42816</u>
Mini-Fit Sr. Dual Row Receptacle Housings	<u>43914</u>

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### Application Tooling

#### Global

Description	Part Number
Hand Crimp Tool for 10.00mm Pitch Mini-Fit Sr. Crimp Terminals, 8 AWG	<u>2002188700</u>
FineAdjust Applicator for Mini-Fit Sr. Crimp Terminals, 12+12 AWG, 8 AWG	<u>2037022500</u>
Extraction Tool for Mini-Fit Sr. Terminals, 8-16 AWG	<u>638130400</u>