



Part Number : [428150032](#)  
Product Description : Mini-Fit Sr. Crimp Terminal, Female, 8 AWG, Gold (Au)  
Series Number : 42815  
Status : Active  
Product Category : Crimp Terminals



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## Documents & Resources

### Drawings

[Drawing 428150032\\_sd.pdf](#)  
[Packaging Design Drawing PK-42815-001-001.pdf](#)

### Specifications

[Packaging Specification PK-42815-001-002.pdf](#)  
[Product Specification PS-42815-001-001.pdf](#)  
[Product Specification TS-42815-001-001.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(2023)3788-DC (14 Jun 2023)
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

## Part Details

### General

Status	Active
Category	Crimp Terminals
Series	42815
Description	Mini-Fit Sr. Crimp Terminal, Female, 8 AWG, Gold (Au)
Application	Power, Wire-to-Board, Wire-to-Wire
Comments	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	800756101101

### Electrical

Current - Maximum per Contact	50.0A
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### Physical

Gender	Female
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	1.530/g
Packaging Type	Reel
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	6.60mm max.
Wire Size (AWG)	12+12, 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>

## Application Tooling

### Global

Description	Part Number
Hand Crimp Tool for Mini-Fit Sr. Crimp Terminals, 8 AWG	<u>2002181500</u>
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>
Hand Crimper - SPECIAL INSULATION CRIMP	<u>0638111500</u>
Hand Crimp Tool for Crimp Terminals, 7 AWG Wire	<u>0638111700</u>
Extraction Tool for Mini-Fit Sr. Terminals, 8-16 AWG	<u>0638130400</u>
Mini-Mac Applicator	<u>0638300000</u>
Mini-Mac Applicator	<u>0638911000</u>
Mini-Mac Applicator for Terminals	<u>0638919500</u>

## Application Tooling

### Japan

Description	Part Number
Side-Feed Applicator For Full-Auto Machine	<u>0573983200</u>

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