



**Part Number :** [428170011](#)

**Product Description :** Mini-Fit Sr. Crimp Terminal,  
Male, 12-10 AWG, Tin (Sn)

**Series Number :** 42817

**Status :** Active

**Product Category :** Crimp Terminals



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## Documents and Resources

### Drawings

[428170011\\_sd.pdf](#)

[PK-42815-001-001.pdf](#)

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[AS-42815-001-001.pdf](#)

[PS-42815-001-001.pdf](#)


[TS-42815-001-001.pdf](#)

[TS-6547-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)6375-DC (05 Nov 2025) SCIP:4ca39064-cffc-40c5-9177-af7a6731f890
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

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

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

Status	Active
Category	Crimp Terminals
Series	42817
Description	Mini-Fit Sr. Crimp Terminal, Male, 12-10 AWG, Tin (Sn)
Application	Power
Comments	High Current/Low Force; See Product Specification for maximum current rating by circuit size and application.
Product Name	Mini-Fit Sr.
UPC	800754381932

### Electrical

Current - Maximum per Contact	50.0A
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### Physical

Gender	Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin

Net Weight	1.390/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 mm <sup>2</sup>	N/A

### Solder Process Data

Lead-Free Process Capability	N/A
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### Mates With / Use With

#### Use with Part(s)

Description	Part Number
10.00mm Pitch Mini-Fit Sr. Single Row Plug Housings	<u>42818</u>
Mini-Fit Sr. Dual Row Plug Housings	<u>43938</u>

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### Application Tooling

#### Global

Description	Part Number
FineAdjust Applicator for Insulation OD 4.40-5.30mm, 12-10 AWG	<u>2037022700</u>
FineAdjust Applicator for Insulation OD 3.50-4.40mm, 12-10 AWG	<u>2037022800</u>
Extraction Tool for Mini-Fit Sr. Terminals, 16-8 AWG	<u>638130400</u>
FineAdjust Applicator for Insulation OD 4.30-5.00mm, 5.00-6.00mm <sup>2</sup>	<u>639040200</u>

FineAdjust Applicator for Insulation OD 4.00-4.20mm, 5.00-6.00mm <sup>2</sup>	<u>639040300</u>
Hand Crimp Tool for Mini-Fit Sr. Male and Female Terminals, 5.00mm <sup>2</sup> and 6.00mm <sup>2</sup> Wire	<u>2133099300</u>
Hand Crimp Tool for 10.00mm Pitch Mini-Fit Sr. Crimp Terminals, 12-10 AWG	<u>2133099700</u>

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