



Part Number : [428150011](#)
Product Description : Mini-Fit Sr. Crimp Terminal,
Female, 12-10 AWG, Tin (Sn), USE NYE LUBE ON
MATING SURFACES
Series Number : 42815
Status : Active
Product Category : Crimp Terminals



Documents & Resources

Drawings

- [428150011 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](#)

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)4165-DC (25 June 2025)
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	42815
Description	Mini-Fit Sr. Crimp Terminal, Female, 12-10 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 Name	Mini-Fit Sr.
UPC	800753749795

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	1.351/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 mm ²	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 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 10.00mm Pitch Mini-Fit Sr. Crimp Terminals, 12-10 AWG	<u>2002188600</u>
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 ²	<u>639040200</u>
FineAdjust Applicator for Insulation OD 4.00-4.20mm, 5.00-6.00mm ²	<u>639040300</u>
Hand Crimp Tool for Mini-Fit Sr. Male and Female Terminals, 5.00mm ² and 6.00mm ² Wire	<u>2133099300</u>