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Part Number: [0428150011](#)
Status: **Active**
Overview: Mini-Fit Sr. Power Connectors
Description: Mini-Fit Sr. Crimp Terminal, Female, 10-12 AWG, Tin (Sn), USE NYE LUBE ON MATING SURFACES
Replacement Part Number : <http://www.molex.com/molex/search/partSearch?pQuery=&sType=p&query=0428150012428150012> (Gold)

Documents:

Drawing (PDF)	Packaging Specification PK-42815-001-001 (PDF)
Product Specification PS-42815-001-001 (PDF)	Packaging Specification PK-42815-001-002 (PDF)
Product Specification TS-42815-001-001 (PDF)	Test Summary TS-6547-001-001 (PDF)
Application Specification AS-42815-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Crimp Terminals
Series	42815
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	Mini-Fit Sr. Power Connectors
Replacement Part Number	428150012 (Gold)
Replacement Part Number	428150114 (Silver)
Taxonomy	Crimp Terminals
UPC	800753749795

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 mm²	N/A

Electrical

Current - Maximum per Contact	50.0A
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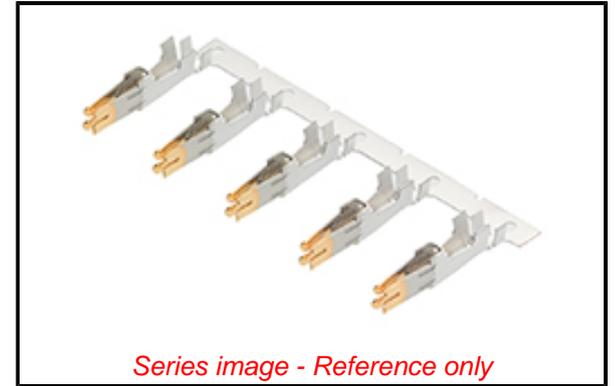
Solder Process Data

Lead-freeProcess Capability	N/A
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Material Info

Reference - Drawing Numbers

Application Specification	AS-42815-001-001
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EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - D(2022)4187-DC (10 June 2022)

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 #

Hand Crimp Tool for 10.00mm Pitch Mini-Fit Sr. Crimp Terminals, 10-12 AWG	2002188600
FineAdjust Applicator for Insulation OD 4.40-5.30mm, 10-12 AWG	2037022700

Packaging Specification
Product Specification
Sales Drawing
Test Summary

PK-42815-001-001, PK-42815-001-002
PS-42815-001-001, TS-42815-001-001
428150000-SD-000
TS-6547-001-001

FineAdjust Applicator 2037022800
for Insulation OD
3.50-4.40mm, 10-12
AWG
Extraction Tool 638130400
for Mini-Fit Sr.
Terminals, 8-16
AWG
Hand Crimp Tool for 638279300
Mini-Fit Sr. Male and
Female Terminals,
5mm² and 6mm²
Wire
FineAdjust Applicator 639040200
for Insulation OD
4.30-5.00mm,
5.00-6.00mm²
FineAdjust Applicator 639040300
for Insulation OD
4.00-4.20mm,
5.00-6.00mm²

This document was generated on 10/10/2022

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