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Part Number: [0428150041](#)
Status: **Active**
Overview: [Mini-Fit Sr. Power Connectors](#)
Description: Mini-Fit Sr. Crimp Terminal, Female, 14-16 AWG, Tin (Sn), USE NYE LUBE ON MATING SURFACES
Replacement Part Number : <http://www.molex.com/molex/search/partSearch?pQuery=&sType=p&query=0428150042428150042> (Gold)

Documents:

[Drawing \(PDF\)](#) [Packaging Specification PK-42815-001-002 \(PDF\)](#)
[Product Specification PS-42815-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Application Specification AS-42815-001 \(PDF\)](#)

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 Yes
 Overview [Mini-Fit Sr. Power Connectors](#)
 Product Name Mini-Fit Sr.
 Replacement Part Number [428150042](#) (Gold)
 Replacement Part Number [428150144](#) (Silver)
 UPC 756054457061

Physical

Gender Female
 Material - Metal High Performance Alloy (HPA)
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Net Weight 1.350/g
 Packaging Type Reel
 Plating min - Mating 2.540µm
 Plating min - Termination 2.540µm
 Termination Interface: Style Crimp or Compression
 Wire Insulation Diameter 4.57mm max.
 Wire Size AWG 14, 16
 Wire Size mm² N/A

Electrical

Current - Maximum per Contact 50.0A

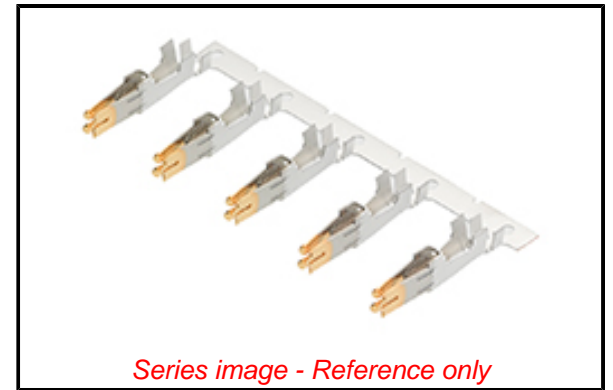
Solder Process Data

Lead-freeProcess Capability N/A

Material Info

Reference - Drawing Numbers

Application Specification AS-42815-001
 Packaging Specification PK-42815-001-002
 Product Specification PS-42815-001-001



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - D(2020)4578-DC (25 June 2020)

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 [638113800](#)

Manual Extraction Tool [638130400](#)

Tool

Mini-Mac Applicator [638912000](#)

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