

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0428150041

Status:

Active

Overview:

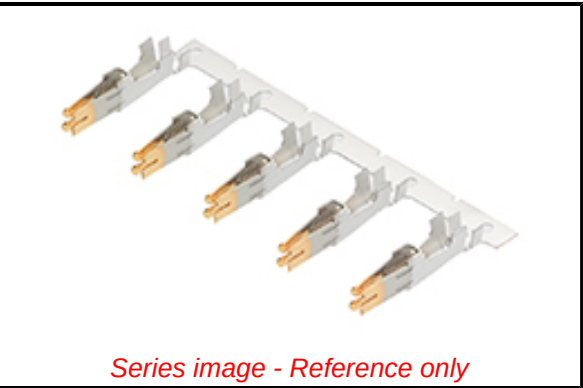
Mini-Fit Sr. Power Connectors

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)



Series image - Reference only

Documents:

Drawing (PDF)

Product Specification PS-42815-001-001 (PDF)

Application Specification AS-42815-001-001 (PDF)

Packaging Specification PK-42815-001-001 (PDF)

Packaging Specification PK-42815-001-002 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

Crimp Terminals

42815

Power

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<br>See Product Specification for maximum current rating by circuit size and application.. .

Yes

Mini-Fit Sr. Power Connectors

Mini-Fit Sr.

428150042 (Gold)

428150144 (Silver)

756054457061

Crimp Quality Equipment Overview

Product Name

Replacement Part Number

Replacement Part Number

UPC

Physical

Gender

Material - Metal

Material - Plating Mating

Material - Plating Termination

Net Weight

Packaging Type

Plating min - Mating

Plating min - Termination

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire Size mm²

Female

High Performance Alloy (HPA)

Tin

Tin

1.350/g

Reel

2.540µm

2.540µm

Crimp or Compression

4.57mm max.

14, 16

N/A

Electrical

Current - Maximum per Contact

50.0A

Solder Process Data

Lead-freeProcess Capability

N/A

Material Info

Reference - Drawing Numbers

Application Specification

Application Tooling Documents

Packaging Specification

AS-42815-001-001

ATS-638912000-001

PK-42815-001-001, PK-42815-001-002

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - D(2021)4569-DC (8 July 2021)

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 #                 |
|--------------------------------------------------------------------------------------------|---------------------------|
| PremiumGrade Hand Crimp Tool for 10.00mm Mini-Fit Sr. Male and Female Terminals, 14-16 AWG | <a href="#">638113800</a> |
| Extraction Tool for Mini-Fit Sr. Terminals, 8-16 AWG                                       | <a href="#">638130400</a> |

Product Specification  
Sales Drawing

PS-42815-001-001  
SD-42815-020-001

Mini-Mac Applicator 638912000  
for Mini-Fit Sr.  
Male and Female  
Terminals for 14-16  
AWG Wire with  
Insulation Diameter  
no greater than  
3.33mm

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# Mouser Electronics

Authorized Distributor

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Molex:

[42815-0041](#) [42815-0041 \(Mouser Reel\)](#) [42815-0041 \(Cut Strip\)](#) [42815-0041 \(Loose Piece\)](#)