

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0428171014](#)
Status: **Active**
Overview: [Mini-Fit Sr. Power Connectors](#)
Description: [Mini-Fit Sr. Crimp Terminal, Male, 10-12 AWG, Silver \(Ag\)](#)

Documents:

[Drawing \(PDF\)](#) [Test Summary TS-42815-004-001 \(PDF\)](#)
[Product Specification PS-42815-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Application Specification AS-42815-001-001 \(PDF\)](#)

General

Product Family [Crimp Terminals](#)
Series [42817](#)
Application [Power, Wire-to-Wire](#)
Comments [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.](#)
Taxonomy [Crimp Terminals](#)
UPC [889056244749](#)

Physical

Gender [Male](#)
Material - Metal [High Performance Alloy \(HPA\)](#)
Material - Plating Mating [Silver](#)
Material - Plating Termination [Tin](#)
Net Weight [1.395/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](#)

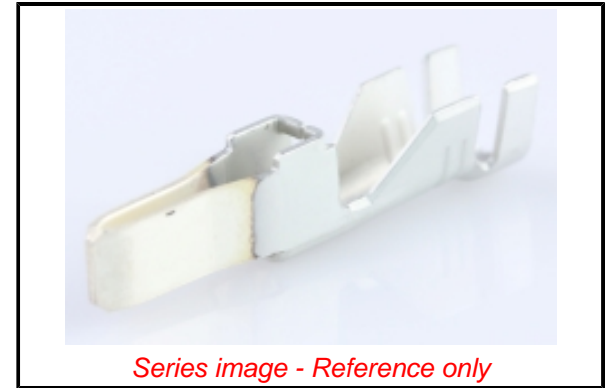
Solder Process Data

Lead-freeProcess Capability [N/A](#)

Material Info

Reference - Drawing Numbers

Application Specification [AS-42815-001-001](#)
Product Specification [PS-42815-001-001](#)
Test Summary [TS-42815-004-001](#)



Series image - Reference only

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

[42817 Series](#)

Use With

Mini-Fit Sr. Plug Housings [42818](#) , [43938](#)

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
FineAdjust Applicator for Insulation OD	2037022800

3.50-4.40mm, 10-12

AWG

Extraction Tool 638130400

for Mini-Fit Sr.

Terminals, 8-16

AWG

FineAdjust Applicator 639040200

for Insulation OD

4.30-5.00mm,

5.00-6.00mm²

This document was generated on 01/02/2023

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION