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Part Number: **0428150012**
Status: **Active**
Overview: Mini-Fit Sr. Power Connectors
Description: Mini-Fit Sr. Crimp Terminal, Female, 10-12 AWG, Gold (Au)

Documents:

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

General

| | |
|----------------------------------|--|
| Product Family | Crimp Terminals |
| Series | <u>42815</u> |
| Application | Power, Wire-to-Board, Wire-to-Wire |
| Comments | High Current/Low Force See Product Specification for maximum current rating by circuit size and application., High Current/Low Force See Product Specification for maximum current rating by circuit size and application. |
| Crimp Quality Equipment Overview | Yes |
| Product Name | <u>Mini-Fit Sr. Power Connectors</u> |
| UPC | Mini-Fit Sr. 800756101095 |

Physical

| | |
|--------------------------------|------------------------------|
| Gender | Female |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Plating Mating | Gold over Nickel |
| Material - Plating Termination | Tin over Nickel |
| Net Weight | 1.351/g |
| Packaging Type | Reel |
| Plating min - Mating | 0.762µm |
| 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 |

Electrical

| | |
|-------------------------------|-------|
| Current - Maximum per Contact | 50.0A |
|-------------------------------|-------|

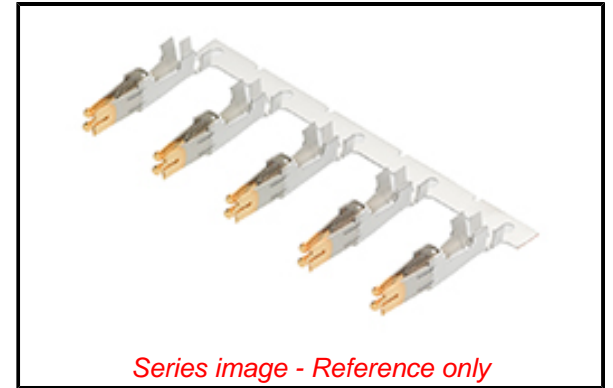
Solder Process Data

| | |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

Material Info

Reference - Drawing Numbers

| | |
|-------------------------|------------------|
| Packaging Specification | PK-42815-001-002 |
| Product Specification | PS-42815-001 |
| Sales Drawing | 428150000-SD-000 |
| Test Summary | TS-42815-001 |



EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

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 2002181600

Mini-Fit Sr. Crimp

Terminals, 10-12

AWG

Manual Extraction 638130400

Tool

Hand Crimp Tool for 638279300

Mini-Fit Sr. Male and

Female Terminals,

5mm² and 6mm²

Wire

Mini-Mac Applicator [638911100](#)

Mini-Mac Applicator [638911200](#)
for "Mini-Fit Sr."

Terminals

FineAdjust Applicator [639040200](#)

for Mini-Fit Sr. Male

and Female Crimp

Terminals, Metric

Wire Crimping only

FineAdjust Applicator [639040300](#)

for Mini-Fit Sr. Male

and Female Crimp

Terminals, Metric

Wire Crimping only

This document was generated on 08/16/2019

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