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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)	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)	RoHS Certificate of Compliance (PDF)

General

Product Family	Crimp Terminals
Series	42815
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.
Crimp Quality Equipment	Yes
Overview	Mini-Fit Sr. Power Connectors
Product Name	Mini-Fit Sr.
UPC	800756101095

Physical

Gender	Female
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
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 mm²	N/A

Electrical

Current - Maximum per Contact	50.0A
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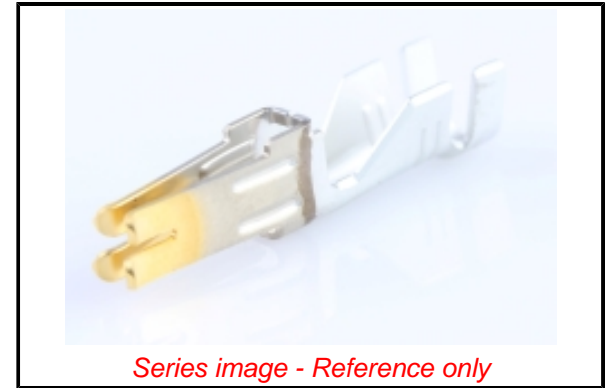
Solder Process Data

Lead-freeProcess Capability	N/A
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Material Info

Reference - Drawing Numbers

Packaging Specification	PK-42815-001-001, PK-42815-001-002
Product Specification	PS-42815-001-001, TS-42815-001-001
Sales Drawing	428150000-SD-000



Series image - Reference only

EU ELV

Compliant

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

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 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 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

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