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Part Number: [0428170012](#)
Status: **Active**
Overview: [Mini-Fit Sr. Power Connectors](#)
Description: [Mini-Fit Sr. Crimp Terminal, Male, 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)
Application Specification AS-42815-001-001 (PDF)	

General

Product Family	Crimp Terminals
Series	42817
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 Overview	Yes
Product Name	Mini-Fit Sr. Power Connectors
UPC	Mini-Fit Sr. 800756491561

Physical

Gender	Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	1.390/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

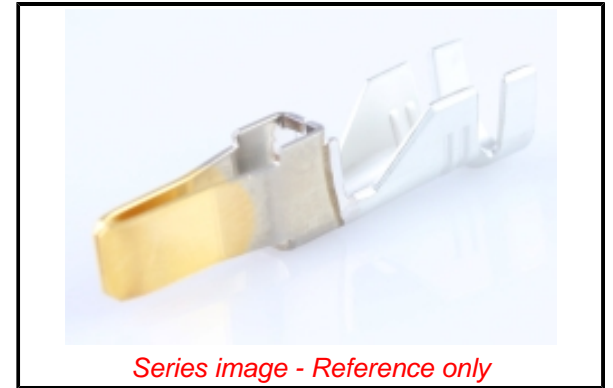
Electrical

Current - Maximum per Contact	50.0A
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Material Info

Reference - Drawing Numbers

Application Specification	AS-42815-001-001
Packaging Specification	PK-42815-001-001, PK-42815-001-002
Product Specification	PS-42815-001-001, TS-42815-001-001
Sales Drawing	428170000-SD-000



Series image - Reference only

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

[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

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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