



Part Number : [428170011](#)

Series Number : 42817

Product Category : Crimp Terminals

Product Description : Mini-Fit Sr. Crimp Terminal, Male, 12-10 AWG, Tin (Sn)

Status : Active

Documents & Resources

Drawings

[Drawing 428170011_sd.pdf](#)

[Packaging Design Drawing PK-42815-001-001.pdf](#)

Specifications


[Application Specification AS-42815-001-001.pdf](#)

[Product Specification PS-42815-001-001.pdf](#)

[Test Summary TS-6547-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Part Details

General

Status	Active
Category	Crimp Terminals
Series	42817
Description	Mini-Fit Sr. Crimp Terminal, Male, 12-10 AWG, Tin (Sn)
Application	Power
Comments	High Current/Low Force; See Product Specification for maximum current rating by circuit size and application.
Product Family	Mini-Fit Sr. Power Connectors
Product Name	Mini-Fit Sr.
UPC	800754381932

Electrical

Current - Maximum per Contact	50.0A
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Physical

Gender	Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	1.390/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 mm ²	N/A

Solder Process Data

Lead-Free Process Capability	N/A
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Use with Part(s)

Description	Part Number
10.00mm Pitch Mini-Fit Sr. Single Row Plug Housings	<u>42818</u>
Mini-Fit Sr. Dual Row Plug Housings	<u>43938</u>

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for 10.00mm Pitch Mini-Fit Sr. Crimp Terminals, 12-10 AWG	<u>2002188600</u>
FineAdjust Applicator for Insulation OD 4.40-5.30mm, 12-10 AWG	<u>2037022700</u>
FineAdjust Applicator for Insulation OD 3.50-4.40mm, 12-10 AWG	<u>2037022800</u>
Extraction Tool for Mini-Fit Sr. Terminals, 16-8 AWG	<u>638130400</u>
FineAdjust Applicator for Insulation OD 4.30-5.00mm, 5.00-6.00mm ²	<u>639040200</u>
FineAdjust Applicator for Insulation OD 4.00-4.20mm, 5.00-6.00mm ²	<u>639040300</u>
Hand Crimp Tool for Mini-Fit Sr. Male and Female Terminals, 5.00mm ² and 6.00mm ² Wire	<u>2133099300</u>
