



Part Number : [428150042](#)

Series Number : 42815

Product Category : Crimp Terminals

Product Description : Mini-Fit Sr. Crimp Terminal, Female, 16-14 AWG, Gold (Au)

Status : Active

Documents & Resources

Drawings

[Drawing 428150042_sd.pdf](#)

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

Specifications


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

Tooling Specifications

[Application Tooling Specification ATS-638912000-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 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

Part Details

General

Status	Active
Category	Crimp Terminals
Series	42815
Description	Mini-Fit Sr. Crimp Terminal, Female, 16-14 AWG, Gold (Au)
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.
Product Family	Mini-Fit Sr. Power Connectors
Product Name	Mini-Fit Sr.
UPC	756054457078

Electrical

Current - Maximum per Contact	50.0A
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Physical

Gender	Female
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	1.525/g
Packaging Type	Reel
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	3.33mm max.
Wire Size (AWG)	14, 16
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 Receptacle Housings	<u>42816</u>
Mini-Fit Sr. Dual Row Receptacle Housings	<u>43914</u>

Application Tooling

Global

Description	Part Number
PremiumGrade Hand Crimp Tool for 10.00mm Mini-Fit Sr. Male and Female Terminals, 16-14 AWG	<u>638113800</u>
Extraction Tool for Mini-Fit Sr. Terminals, 16-8 AWG	<u>638130400</u>
Mini-Mac Applicator for Mini-Fit Sr. Male and Female Terminals for 16-14 AWG Wire with Insulation Diameter no greater than 3.33mm	<u>638912000</u>
