Part Number : 428150012
Product Description : Mini-Fit Sr. Crimp Terminal, Female, 12-10 AWG, Gold (Au)
Series Number : 42815
Status : Active
Product Category : Crimp Terminals



Documents and Resources

Drawings

428150012_sd.pdf

PK-42815-001-001.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

PS-42815-001-001.pdf

TS-42815-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C

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

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Crimp Terminals
Series	42815
Description	Mini-Fit Sr. Crimp Terminal, Female, 12-10 AWG, Gold (Au)
Application	Wire-to-Board, Wire-to-Wire
Comments	High Current/Low Force; See Product Specification for maximum current rating by circuit size and application.
Product Name	Mini-Fit Sr.
UPC	800756101095

Electrical

Current - Maximum per Contact	50.0A

Physical

Gender	Female
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Termination Interface Style	Crimp or Compression

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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

Mates With / Use With

Use with Part(s)

Description	Part Number
10.00mm Pitch Mini-Fit Sr. Single Row Receptacle Housings	42816
Mini-Fit Sr. Dual Row Receptacle Housings	43914

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for Mini-Fit Sr. Crimp Terminals, 12-10 AWG	2002181600
FineAdjust Applicator for Insulation OD 4.40-5.30mm, 12-10 AWG	2037022700
FineAdjust Applicator for Insulation OD 3.50-4.40mm, 12-10 AWG	2037022800
Extraction Tool for Mini-Fit Sr. Terminals, 16-8 AWG	638130400
FineAdjust Applicator for Insulation OD 4.30-5.00mm, 5.00-6.00mm^2	639040200
FineAdjust Applicator for Insulation OD 4.00-4.20mm, 5.00-6.00mm^2	639040300
Hand Crimp Tool for Mini-Fit Sr.	2133099300

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Male and Female Terminals, 5.00mm^2 and 6.00mm^2 Wire	
Hand Crimp Tool for 10.00mm Pitch Mini-Fit Sr. Crimp Terminals, 12-10 AWG	2133099700

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