Part Number : 2214425241
Product Description : Mini-Fit TPA2/Sigma Female Low Mating Force Crimp Terminal, Copper Alloy, Post-Plated Tin (Sn), 24-22 AWG, 1.07-1.65mm Insulation Diameter, Reel
Series Number : 221442
Status : Active
Product Category : Crimp Terminals



Documents and Resources

Drawings

2214425241_sd.pdf

2214420000-PK-000.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

PS-172718-0000-001.pdf

2131370000-PS-000.pdf

1727180001-TS-000.pdf

2131370001-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not 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

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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- 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	221442
Description	Mini-Fit TPA2/Sigma Female Low Mating Force Crimp Terminal, Copper Alloy, Post-Plated Tin (Sn), 24-22 AWG, 1.07-1.65mm Insulation Diameter, Reel
Application	Power, Wire-to-Wire, Wire-to-Board
Product Name	Mini-Fit Sigma,Mini-Fit TPA2
UPC	198282439233

Electrical

Current - Maximum per Contact	7.0A
Voltage - Maximum	600V AC/DC

Physical

Durability (mating cycles max)	30
Gender	Female
Material - Metal	Copper Alloy

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Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.173/g
Packaging Type	Reel
Plating min - Mating	1.250µm
Plating min - Termination	2.500µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.07-1.65mm
Wire Size (AWG)	22, 24
Wire Size mm^2	N/A

Mates With / Use With

Use with Part(s)

Description	Part Number
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings	172708
Mini-Fit TPA2 and Mini-Fit Sigma Single Row Receptacle Housings	200453

Application Tooling

Global

Description	Part Number
FineAdjust Applicator for Mini-Fit TPA2 Crimp Terminals, 0.22mm^2, 0.25mm^2, 0.35 mm^2 and 24-22 AWG wires	639037100
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 24 AWG, Large and Small Insulation Grips	2002181200
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 22 AWG, Large and Small Insulation Grips	2002180200

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