



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)6375-DC (05 Nov 2025) |
| EU RoHS | Compliant per EU 2015/863 |

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 |

| | |
|--------------------------------|----------------------|
| 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 | <u>172708</u> |
| Mini-Fit TPA2 and Mini-Fit Sigma Single Row Receptacle Housings | <u>200453</u> |

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 | <u>639037100</u> |
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 24 AWG, Large and Small Insulation Grips | <u>2002181200</u> |
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 22 AWG, Large and Small Insulation Grips | <u>2002180200</u> |

This document was generated on Feb 26, 2026