



Part Number : [1727654121](#)

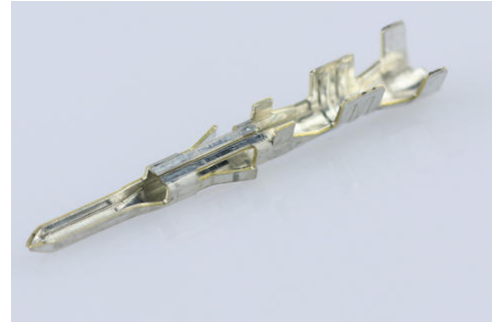
Product Description : Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), Double 22+22 or Single 20-18 AWG, 2.10-2.85mm Insulation Diameter, Reel

Series Number : 172765

Status : Active

Product Category : Crimp Terminals

Packaging Alternative : [1727654122](#) (Bag)



Documents & Resources

Drawings

[1727654121_sd.pdf](#)

[PK-172765-0000-000.pdf](#)

[PK-172765-0001-000.pdf](#)

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Specifications

[AS-172718-0000-001.pdf](#)

[2131370000-AS-000.pdf](#)

[PS-172718-0000-001.pdf](#)

[2131370000-PS-000.pdf](#)

[1727180002-TS-000.pdf](#)

[1727180003-TS-000.pdf](#)

[2131370002-TS-000.pdf](#)

Tooling Specifications

[ATS-639036800-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|------------|-----------------------------|
| GADSL/IMDS | Compliant with Exemption 44 |
|------------|-----------------------------|

| | |
|--------------------|--|
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 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 | 172765 |
| Description | Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), Double 22+22 or Single 20-18 AWG, 2.10-2.85mm Insulation Diameter, Reel |
| Application | Power, Wire-to-Wire |
| Comments | See product specification for current derating information; See Mini-Fit TPA2 housing series for 3D models. |
| Product Name | Mini-Fit Sigma,Mini-Fit TPA2 |

| | |
|-----|--------------|
| UPC | 889056262439 |
|-----|--------------|

Electrical

| | |
|-------------------------------|------------|
| Current - Maximum per Contact | 11.5A |
| Voltage - Maximum | 600V AC/DC |

Physical

| | |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30 |
| Gender | Male |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Net Weight | 0.210/g |
| Packaging Type | Reel |
| Plating min - Mating | 2.500µm |
| Plating min - Termination | 2.500µm |
| Termination Interface Style | Crimp or Compression |
| Wire Insulation Diameter | 2.10-2.85mm |
| Wire Size (AWG) | 18, 20, 22+22 |
| 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 |
|---|---------------|
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings | <u>172762</u> |
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings | <u>172767</u> |
| Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings | <u>200471</u> |
| Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings | <u>200488</u> |
| | |

| | |
|--|---------------|
| Mini-Fit Sigma Sealed Dual Row Plug Housings | <u>207017</u> |
|--|---------------|

Application Tooling

Global

| Description | Part Number |
|--|-------------------|
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 18 AWG, Large and Small Insulation Grips | <u>2002180100</u> |
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 20 AWG, Large and Small Insulation Grips | <u>2002182100</u> |
| FineAdjust Applicator for Mini-Fit TPA 2.0 Crimp Terminals, Double 22 AWG Wires | <u>2037028500</u> |
| Extraction Tool for Mini-Fit TPA2 Crimp Terminal, 24-16 AWG | <u>638246210</u> |
| FineAdjust Applicator for Mini-Fit TPA2 Crimp Terminals, 0.50mm ² , 0.75mm ² and 20-18 AWG wires | <u>639036800</u> |