



**Part Number :** [1727655121](#)

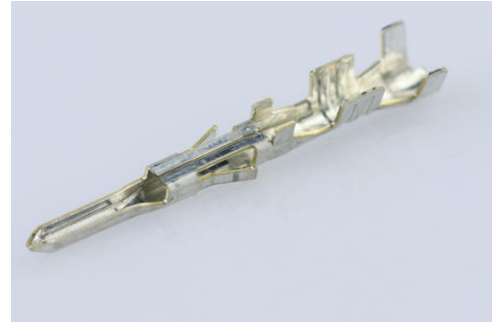
**Product Description :** Mini-Fit TPA2/Sigma Male  
Crimp Terminal, Brass, Pre-Plated Tin (Sn), 24-22 AWG,  
1.07-1.65mm Insulation Diameter, Reel

**Series Number :** 172765

**Status :** Active

**Product Category :** Crimp Terminals

**Packaging Alternative :** [1727655122](#) (Bag)



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## Documents and Resources

### Drawings

[1727655121 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-2002180200-001.pdf](#)

[ATS-2002181200-001.pdf](#)

[ATS-639037100-001.pdf](#)

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## 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)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
- 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), 24-22 AWG, 1.07-1.65mm Insulation Diameter, Reel |
| Application  | Power, Wire-to-Wire                                                                                                   |
| Comments     | See product specification for current derating information;<br>See Mini-Fit TPA2 housing series for 3D models.        |
| Product Name | Mini-Fit Sigma,Mini-Fit TPA2                                                                                          |

|     |              |
|-----|--------------|
| UPC | 889056262477 |
|-----|--------------|

## 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       | 1.07-1.65mm          |
| Wire Size (AWG)                | 22, 24               |
| Wire Size mm <sup>2</sup>      | 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   | <a href="#"><u>172762</u></a> |
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings   | <a href="#"><u>172767</u></a> |
| Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings | <a href="#"><u>200471</u></a> |
| Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings | <a href="#"><u>200488</u></a> |

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

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## Application Tooling

### Global

| Description                                                                                                                                   | Part Number       |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 22 AWG, Large and Small Insulation Grips                                   | <u>2002180200</u> |
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 24 AWG, Large and Small Insulation Grips                                   | <u>2002181200</u> |
| Extraction Tool for Mini-Fit TPA2 Crimp Terminal, 24-16 AWG                                                                                   | <u>638246210</u>  |
| FineAdjust Applicator for Mini-Fit TPA2 Crimp Terminals, 0.22mm <sup>2</sup> , 0.25mm <sup>2</sup> , 0.35 mm <sup>2</sup> and 24-22 AWG wires | <u>639037100</u>  |