



**Part Number :** [1727651121](#)

**Product Description :** Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), 16 AWG, 1.98-2.55mm Insulation Diameter, Reel

**Series Number :** 172765

**Status :** Active

**Product Category :** Crimp Terminals

**Packaging Alternative :** [1727651122 \(Bag\)](#)



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## Documents & Resources

### Drawings

[1727651121\\_sd.pdf](#)

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

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

### 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-639036700-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)

EU RoHS	Compliant per EU 2015/863
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### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

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

### EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	Crimp Terminals
Series	172765
Description	Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), 16 AWG, 1.98-2.55mm 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	889056262217

### 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	1.98-2.55mm
Wire Size (AWG)	16
Wire Size mm <sup>2</sup>	N/A

### Solder Process Data

Lead-Free Process Capability	N/A
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### 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, 16 AWG, Large and Small Insulation Grips	<u>2002181700</u>
Extraction Tool for Mini-Fit TPA2 Crimp Terminal, 24-16 AWG	<u>638246210</u>

FineAdjust Applicator for Mini-Fit TPA2 Crimp Terminals, 16 AWG wires	<u>639036700</u>
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