



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
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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
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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
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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>
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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>

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