



Part Number : 1727655121

Series Number : 172765

Product Category : Crimp Terminals

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

Status : Active

Packaging Alternative : 1727655122 (Bag)

Documents & Resources

Drawings

- [Drawing 1727655121\\_sd.pdf](#)
- [Packaging Design Drawing PK-172765-0000-000.pdf](#)
- [Packaging Design Drawing PK-172765-0001-000.pdf](#)

Specifications


- [Application Specification AS-172718-0000-001.pdf](#)
- [Application Specification 2131370000-AS-000.pdf](#)
- [Product Specification PS-172718-0000-001.pdf](#)
- [Product Specification 2131370000-PS-000.pdf](#)
- [Test Summary 1727180002-TS-000.pdf](#)
- [Test Summary 2131370002-TS-000.pdf](#)

Tooling Specifications

- [Application Tooling Specification ATS-2002180200-001.pdf](#)
- [Application Tooling Specification ATS-2002181200-001.pdf](#)
- [Application Tooling Specification ATS-639037100-001.pdf](#)

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(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

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), 22-24 AWG, 1.07-1.65mm 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 Family	Mini-Fit Family Power Connectors
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
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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, 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, 16-24 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 22-24 AWG wires	<u>639037100</u>
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