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Part Number: [1727656121](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), 22-24 AWG, 1.65-2.38mm Insulation Diameter, Reel

Documents:

| | |
|--|--|
| Drawing (PDF) | Packaging Specification PK-172765-0000-000 (PDF) |
| Product Specification 2131370000-PS-000 (PDF) | Packaging Specification PK-172765-0001-000 (PDF) |
| Product Specification PS-172718-0000-001 (PDF) | Test Summary 1727180002-TS-000 (PDF) |
| Application Specification 2131370000-AS-000 (PDF) | Test Summary 2131370002-TS-000 (PDF) |
| Application Specification AS-172718-0000-001 (PDF) | RoHS Certificate of Compliance (PDF) |

General

| | |
|----------------------------------|---|
| Product Family | Crimp Terminals |
| Series | 172765 |
| Application | Power, Wire-to-Wire |
| Comments | See product specification for current derating information. See Mini-Fit TPA2 housing series for 3D models. |
| Crimp Quality Equipment Overview | Yes |
| Packaging Alternative | Mini-Fit Family Power Connectors 1727656122 (Bag) |
| Product Name | Mini-Fit Sigma, Mini-Fit TPA2 |
| Taxonomy | Crimp Terminals |
| UPC | 889056262514 |

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 | 1.65-2.38mm |
| Wire Size AWG | 22, 24 |
| Wire Size mm² | N/A |

Electrical

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

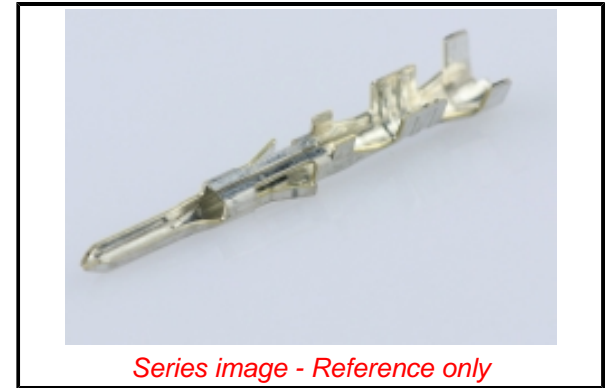
Solder Process Data

| | |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

Material Info

Reference - Drawing Numbers

| | |
|-------------------------------|---|
| Application Specification | 2131370000-AS-000, AS-172718-0000-001 |
| Application Tooling Documents | ATS-2002180200-001, ATS-2002181200-001, ATS-639037000-001 |
| Packaging Specification | PK-172765-0000-000, PK-172765-0001-000 |
| Product Specification | 2131370000-PS-000, PS-172718-0000-001 |
| Sales Drawing | SD-172765-0000-000 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - D(2022)4187-DC (10 June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[172765 Series](#)

Use With

Mini-Fit TPA2 Plug Housings [172762](#) , [172767](#) , [200471](#) , [200488](#). Mini-Fit Sigma Plug Housings [207017](#)

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description

Product #

| | |
|---|----------------------------|
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 22 AWG, Large and Small Insulation Grips | 2002180200 |
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp | 2002181200 |

Terminals, 24 AWG,
Large and Small
Insulation Grips
Extraction Tool for [638246210](#)
Mini-Fit TPA2 Crimp
Terminal, 16-24
AWG
FineAdjust Applicator [639037000](#)
for Mini-Fit TPA2
Crimp Terminals,
0.22mm², 0.25mm²,
0.35 mm² and 22-24
AWG wires

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