

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1727653121](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), 18-20 AWG, 1.42-2.10mm Insulation Diameter, Reel

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-172765-0000-000 (PDF)</a>
<a href="#">Product Specification 2131370000-PS-000 (PDF)</a>	<a href="#">Packaging Specification PK-172765-0001-000 (PDF)</a>
<a href="#">Product Specification PS-172718-0000-001 (PDF)</a>	<a href="#">Test Summary 1727180002-TS-000 (PDF)</a>
<a href="#">Application Specification 2131370000-AS-000 (PDF)</a>	<a href="#">Test Summary 2131370002-TS-000 (PDF)</a>
<a href="#">Application Specification AS-172718-0000-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	Crimp Terminals
Series	<a href="#">172765</a>
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	<a href="#">Mini-Fit Family Power Connectors 1727653122 (Bag)</a>
Product Name	Mini-Fit Sigma, Mini-Fit TPA2
UPC	889056262392

**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	1.42-2.10mm
Wire Size AWG	18, 20
Wire Size mm²	N/A

**Electrical**

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

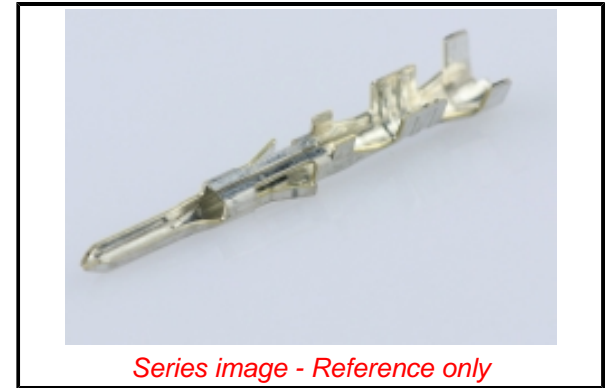
**Solder Process Data**

Lead-freeProcess Capability	N/A
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**Material Info**

**Reference - Drawing Numbers**

Application Specification	2131370000-AS-000, AS-172718-0000-001
Application Tooling Documents	ATS-639036900-001
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
Test Summary	1727180002-TS-000, 2131370002-TS-000



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - D(2021)4569-DC (8 July 2021)

**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, 18 AWG, Large and Small Insulation Grips	<a href="#">2002180100</a>
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp	<a href="#">2002182100</a>

Terminals, 20 AWG,  
Large and Small  
Insulation Grips  
Extraction Tool for [638246210](#)  
Mini-Fit TPA2 Crimp  
Terminal, 16-24  
AWG  
FineAdjust Applicator [639036900](#)  
for Mini-Fit TPA2  
Crimp Terminals,  
0.50mm<sup>2</sup>, 0.75mm<sup>2</sup>  
and 18-20 AWG  
wires

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