

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

**Part Number:** [1727654122](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), 18-20 AWG, 2.10-2.85mm Insulation Diameter, Bag

**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</a>
Product Name	<a href="#">1727654121</a> (Reel)
UPC	Mini-Fit Sigma, Mini-Fit TPA2 889056262446

**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	Bag
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
Wire Size mm²	N/A

**Electrical**

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

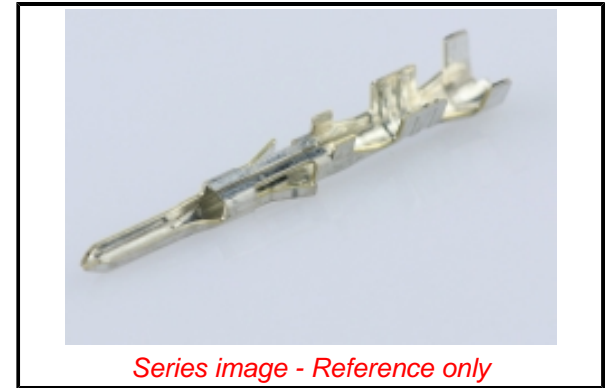
**Solder Process Data**

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

**Material Info**

**Reference - Drawing Numbers**

Application Specification	2131370000-AS-000, AS-172718-0000-001
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

This document was generated on 09/02/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Headers & Wire Housings](#) category:*

*Click to view products by [Molex](#) manufacturer:*

Other Similar products are found below :

[892-18-020-10-001101](#) [58102-G61-06LF](#) [582553-1](#) [0009485154](#) [009176003701906](#) [0050291907](#) [LY20-4P-DT1-P1E-BR](#) [02.125.8002.8](#)  
[609-3404](#) [61062-3](#) [622-0430](#) [622-3653LF](#) [63453-116](#) [636-1030](#) [636-1427](#) [636-3427](#) [636-4007](#) [641938-9](#) [641991-4](#) [644827-2](#) [65817-010LF](#)  
[65817-015LF](#) [65863-015LF](#) [66207-023LF](#) [67095-007LF](#) [67601157](#) [68648-049](#) [70.362.1628.0](#) [70-4210](#) [70-4226B](#) [70-4853B](#) [707-5020](#) [707-](#)  
[5028](#) [71.350.2428.0](#) [71918-208LF](#) [71961-016LF](#) [733-134](#) [733-162](#) [754199-000](#) [760-3052](#) [787-8014-00](#) [79531-3000](#) [FCN-360C032-B](#) [FCN-](#)  
[367T-T012/H](#) [FCN-723D010/2](#) [80.063.4001.1](#) [800-90-001-10-001000](#) [800-90-010-10-002000](#) [801-43-002-10-013000](#) [801-43-006-10-002000](#)