

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1727654121](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), 18-20, 22+22 AWG, 2.10-2.85mm Insulation Diameter, Reel, Double Crimp Option

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 1727654122 (Bag)
Product Name	Mini-Fit Sigma, Mini-Fit TPA2
UPC	889056262439

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 mm²	N/A

Electrical

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

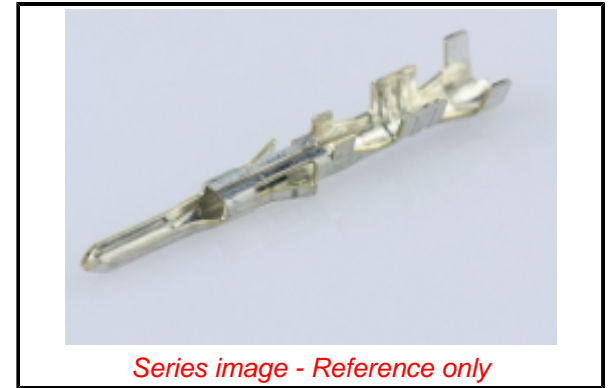
Solder Process Data

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

Material Info

Reference - Drawing Numbers

Application Specification	2131370000-AS-000, AS-172718-0000-001
Application Tooling Documents	ATS-639036800-001
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	2002180100
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp	2002182100

Terminals, 20 AWG,
Large and Small
Insulation Grips
FineAdjust Applicator 2037028500
for Mini-Fit TPA 2.0
Crimp Terminals,
22+22 AWG Wires
Extraction Tool for 638246210
Mini-Fit TPA2 Crimp
Terminal, 16-24
AWG
FineAdjust Applicator 639036800
for Mini-Fit TPA2
Crimp Terminals,
0.50mm², 0.75mm²
and 18-20 AWG
wires

This document was generated on 09/02/2021

PLEASE CHECK 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](#)