

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1727183121](#)
Status: **Active**
Overview: [Mini-Fit Family Power Connectors](#)
Description: Mini-Fit TPA2/Sigma Female Crimp Terminal, Brass, Pre-Plated Tin (Sn), 18-20 AWG, 1.42-2.10mm Insulation Diameter, Reel

Documents:

Drawing (PDF)	Test Summary 1727180001-TS-000 (PDF)
Product Specification 2131370000-PS-000 (PDF)	Test Summary 1727180002-TS-000 (PDF)
Product Specification PS-172718-0000-001 (PDF)	Test Summary 2131370001-TS-000 (PDF)
Application Specification AS-172718-0000-001 (PDF)	Test Summary 2131370002-TS-000 (PDF)
Packaging Specification PK-172718-0000-000 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-172718-0001-000 (PDF)	

General

Product Family	Crimp Terminals
Series	172718
Application	Power, Wire-to-Board, 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
Product Name	1727183122 (Bag)
Taxonomy	Mini-Fit Sigma, Mini-Fit TPA2
UPC	Crimp Terminals 889056179386

Physical

Durability (mating cycles max)	30
Gender	Female
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 mm ²	N/A

Electrical

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

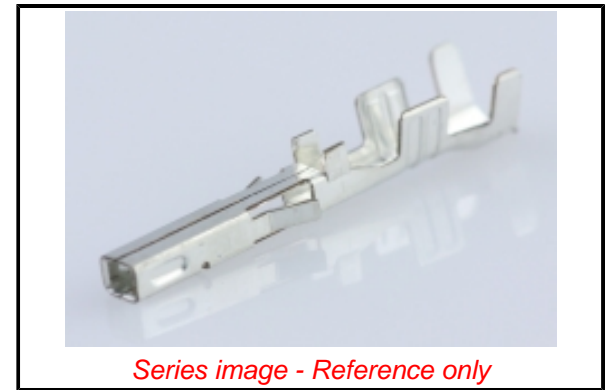
Solder Process Data

Lead-free Process Capability	N/A
------------------------------	-----

Material Info

Reference - Drawing Numbers

Application Specification	AS-172718-0000-001
Application Tooling Documents	ATS-639036900-001
Packaging Specification	PK-172718-0000-000, PK-172718-0001-000
Product Specification	2131370000-PS-000, PS-172718-0000-001
Sales Drawing	SD-172718-0000-000



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained per -
D(2022)9120-DC (17
Jan 2023)

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

[172718](#) Series

Use With

Mini-Fit TPA2/Sigma Receptacle Housings
[172708](#) , [200453](#)

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 Terminals, 20 AWG,	2002182100

Test Summary

1727180001-TS-000, 1727180002-TS-000,
2131370001-TS-000, 2131370002-TS-000

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,
0.50mm², 0.75mm²
and 18-20 AWG
wires

This document was generated on 03/14/2023

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION