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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:

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 1727653122 (Bag)
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

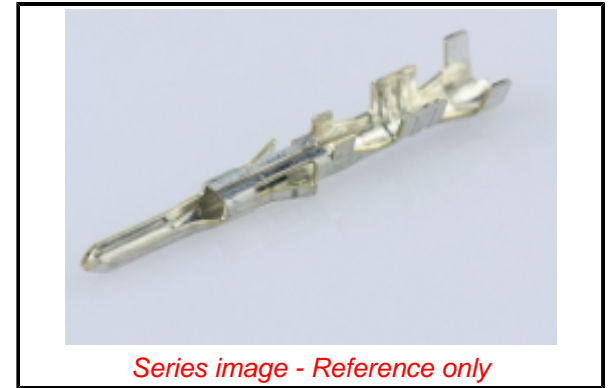
Solder Process Data

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	2002180100
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp	2002182100

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

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