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**Part Number:** [1727651121](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), 16 AWG, 1.98-2.55mm 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 1727651122 (Bag)</a>
Product Name	Mini-Fit Sigma, Mini-Fit TPA2
UPC	889056262217

**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	1.98-2.55mm
Wire Size AWG	16
Wire Size mm²	N/A

**Electrical**

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

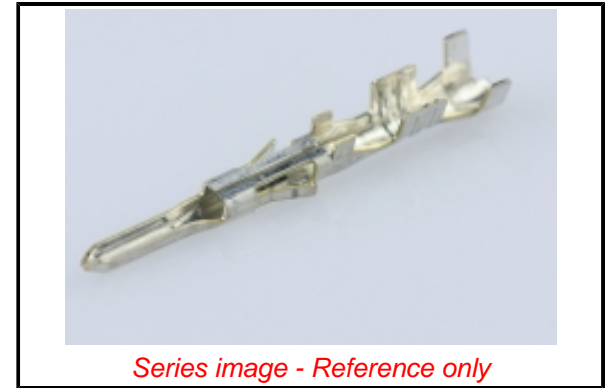
**Solder Process Data**

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-639036700-001
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 #
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Hand Crimp Tool for	<a href="#">2002181700</a>
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Mini-Fit TPA2 Male	
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and Female Crimp	
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Terminals, 16 AWG,	
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Large and Small	
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Insulation Grips	
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Extraction Tool for	<a href="#">638246210</a>
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Mini-Fit TPA2 Crimp	
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Terminal, 16-24  
AWG  
FineAdjust Applicator [639036700](#)  
for Mini-Fit TPA2  
Crimp Terminals, 16  
AWG wires

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[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](#)