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**Part Number:** [1727186111](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Family Power Connectors](#)  
**Description:** Mini-Fit TPA2/Sigma Female Crimp Terminal, Phosphor Bronze, Pre-Plated Tin (Sn), 22-24 AWG, 1.65-2.38mm Insulation Diameter, Reel

**Documents:**

|  |  |
|--|--|
| <a href="#">Drawing (PDF)</a>                                      | <a href="#">Test Summary 1727180001-TS-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 AS-172718-0000-001 (PDF)</a> | <a href="#">Test Summary 2131370001-TS-000 (PDF)</a> |
| <a href="#">Packaging Specification PK-172718-0000-000 (PDF)</a>   | <a href="#">Test Summary 2131370002-TS-000 (PDF)</a> |
| <a href="#">Packaging Specification PK-172718-0001-000 (PDF)</a>   | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**General**

|                                  |   |
|----------------------------------|---|
| Product Family                   | Crimp Terminals   |
| Series                           | <a href="#">172718</a>  |
| Application                      | Power, Wire-to-Board, Wire-to-Wire  |
| Comments                         | See product specification for current derating information.<br><br> 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="#">1727186112</a> (Bag)  |
| UPC                              | Mini-Fit Sigma, Mini-Fit TPA2<br>889056179355   |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30                   |
| Gender                         | Female               |
| Material - Metal               | Phosphor Bronze      |
| 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       | 1.65-2.38mm          |
| Wire Size AWG                  | 22, 24               |
| Wire Size mm <sup>2</sup>      | N/A                  |

**Electrical**

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 11.0A      |
| Voltage - Maximum             | 600V AC/DC |

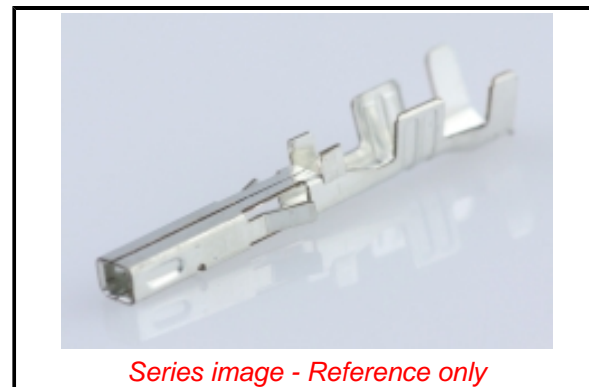
**Solder Process Data**

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

**Material Info**

**Reference - Drawing Numbers**

|                               |   |
|-------------------------------|---|
| Application Specification     | AS-172718-0000-001  |
| Application Tooling Documents | ATS-2002180200-001, ATS-2002181200-001, ATS-639037000-001 |
| Packaging Specification       | PK-172718-0000-000, PK-172718-0001-000                    |
| Product Specification         | 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(2020)9139-DC (19 Jan 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**

[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, 22 AWG, Large and Small Insulation Grips | <a href="#">2002180200</a> |
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 24 AWG,                                  | <a href="#">2002181200</a> |

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 [639037000](#)  
for Mini-Fit TPA2  
Crimp Terminals,  
0.22mm<sup>2</sup>, 0.25mm<sup>2</sup>,  
0.35 mm<sup>2</sup> and 22-24  
AWG wires

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