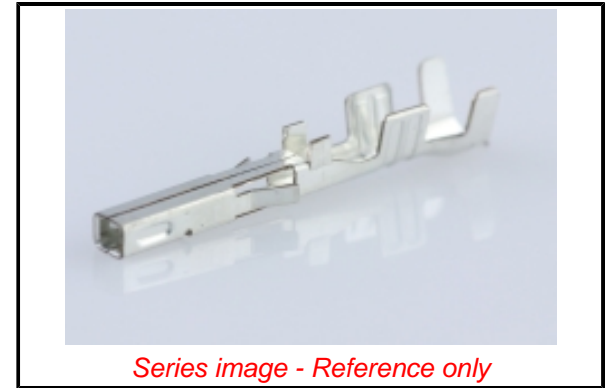


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [2029883241](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Jr. Power Connectors  
**Description:** Mini-Fit TPA2/Sigma Female Crimp Terminal, Copper Alloy, Post-Plated Tin (Sn), 18-20AWG, 1.42-2.10mm Insulation Diameter, Reel

**Documents:**

|  |  |
|--|--|
| <a href="#">Drawing (PDF)</a>                                      | <a href="#">Packaging Specification 2029880002-000 (PDF)</a> |
| <a href="#">Product Specification 2029880001-PS-000 (PDF)</a>      | <a href="#">Test Summary 2029880001-TS-000 (PDF)</a>         |
| <a href="#">Product Specification 2029880002-PS-000 (PDF)</a>      | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |
| <a href="#">Application Specification AS-172718-0000-001 (PDF)</a> |  |



**General**

|                                  |  |
|----------------------------------|--|
| Product Family                   | Crimp Terminals  |
| Series                           | <a href="#">202988</a>   |
| Application                      | Power  |
| Comments                         | See product specification for current derating information.    |
| Crimp Quality Equipment Overview | Yes  |
| Packaging Alternative            | <a href="#">Mini-Fit Jr. Power Connectors 2029883242 (Bag)</a> |
| Product Name                     | Mini-Fit Sigma, Mini-Fit TPA2                                  |
| UPC                              | 191128369824   |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30                   |
| Gender                         | Female               |
| Material - Metal               | Copper Alloy         |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 0.204/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 <sup>2</sup>      | N/A                  |

**Electrical**

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 13.5A      |
| Voltage - Maximum             | 600V AC/DC |

**Material Info**

**Reference - Drawing Numbers**

|                           |                                      |
|---------------------------|--------------------------------------|
| Application Specification | AS-172718-0000-001                   |
| Packaging Specification   | 2029880002-000                       |
| Product Specification     | 2029880001-PS-000, 2029880002-PS-000 |
| Sales Drawing             | 2029880001-000                       |
| Test Summary              | 2029880001-TS-000                    |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**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**

[202988 Series](#)

**Use With**

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

**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 | <a href="#">2002180100</a> |
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 20 AWG,                                  |                            |

Large and Small  
Insulation Grips  
FineAdjust Applicator 639036900  
for Mini-Fit TPA2  
Crimp Terminals,  
0.50mm<sup>2</sup>, 0.75mm<sup>2</sup>  
and 18-20 AWG  
wires

This document was generated on 10/27/2020

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**