



**Part Number :** [2029883241](#)  
**Product Description :** Mini-Fit TPA2/Sigma Female Crimp Terminal, Copper Alloy, Post-Plated Tin (Sn), 20-18 AWG, 1.42-2.10mm Insulation Diameter, Reel  
**Series Number :** 202988  
**Status :** Active  
**Product Category :** Crimp Terminals  
**Packaging Alternative :** [2029883242 \(Bag\)](#)



Documents & Resources

Drawings


[Drawing 2029883241\\_sd.pdf](#)  
[Packaging Design Drawing 2029880002-000.pdf](#)

Specifications

[Application Specification AS-172718-0000-001.pdf](#)  
[Product Specification 2029880001-PS-000.pdf](#)  
[Product Specification 2029880002-PS-000.pdf](#)  
[Test Summary 2029880001-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	Crimp Terminals
Series	202988
Description	Mini-Fit TPA2/Sigma Female Crimp Terminal, Copper Alloy, Post-Plated Tin (Sn), 20-18 AWG, 1.42-2.10mm Insulation Diameter, Reel
Application	Power, Wire-to-Wire, Wire-to-Board
Comments	See product specification for current derating information.
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Sigma,Mini-Fit TPA2
UPC	191128369824

#### Electrical

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

#### 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

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### Use with Part(s)

Description	Part Number
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings	<u>172708</u>

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### Application Tooling

#### Global

Description	Part Number
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 18 AWG, Large and Small Insulation Grips	<u>2002180100</u>
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 20 AWG, Large and Small Insulation Grips	<u>2002182100</u>
FineAdjust Applicator for Mini-Fit TPA2 Crimp Terminals, 0.50mm <sup>2</sup> , 0.75mm <sup>2</sup> and 20-18 AWG wires	<u>639036900</u>