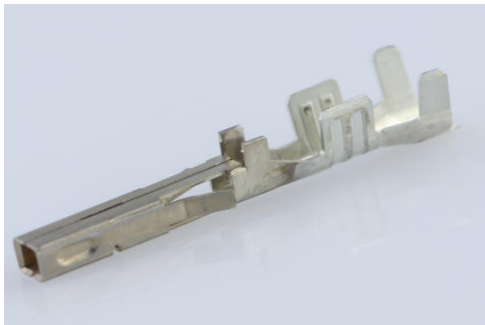




Part Number : [2029883142](#)
Product Description : Mini-Fit TPA2/Sigma Female Crimp Terminal, Copper Alloy, Post-Plated Gold (Au), 20-18 AWG, 1.42-2.10mm Insulation Diameter, Bag
Series Number : 202988
Status : Active
Product Category : Crimp Terminals
Packaging Alternative : [2029883141](#) (Reel)



Documents & Resources

Drawings

- [2029883142 sd.pdf](#)
- [2029880003-000.pdf](#)
- [STEP AP242](#)
- [SOLIDWORKS](#)
- [Creo](#)

Specifications

- [AS-172718-0000-001.pdf](#)
- [2131370000-AS-000.pdf](#)
- [2029880001-PS-000.pdf](#)
- [1727180003-TS-000.pdf](#)
- [2029880001-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)

EU RoHS	Compliant per EU 2015/863
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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Crimp Terminals
Series	202988
Description	Mini-Fit TPA2/Sigma Female Crimp Terminal, Copper Alloy, Post-Plated Gold (Au), 20-18 AWG, 1.42-2.10mm Insulation Diameter, Bag
Application	Power, Wire-to-Wire, Wire-to-Board
Comments	See product specification for current derating information.
Product Name	Mini-Fit Sigma,Mini-Fit TPA2
UPC	191128369817

Electrical

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

Physical

Durability (mating cycles max)	30
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Gender	Female
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	0.203/g
Packaging Type	Bag
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 ²	N/A

Mates With / Use With

Use with Part(s)

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

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>