



Part Number : [1727181111](#)
Product Description : Mini-Fit TPA2/Sigma Female Crimp Terminal, Phosphor Bronze, Pre-Plated Tin (Sn), 16 AWG, 1.98-2.55mm Insulation Diameter, Reel
Series Number : 172718
Status : Active
Product Category : Crimp Terminals
Packaging Alternative : [1727181112](#) (Bag)



Documents & Resources

Drawings

- [Drawing 1727181111_sd.pdf](#)
- [Packaging Design Drawing PK-172718-0000-000.pdf](#)
- [Packaging Design Drawing PK-172718-0001-000.pdf](#)

Specifications


- [Application Specification AS-172718-0000-001.pdf](#)
- [Product Specification PS-172718-0000-001.pdf](#)
- [Product Specification 2131370000-PS-000.pdf](#)
- [Test Summary 1727180001-TS-000.pdf](#)
- [Test Summary 1727180002-TS-000.pdf](#)
- [Test Summary 2131370001-TS-000.pdf](#)
- [Test Summary 2131370002-TS-000.pdf](#)

Tooling Specifications

- [Application Tooling Specification ATS-639036700-001.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(2023)3788-DC (14 Jun 2023)

EU RoHS	Compliant per EU 2015/863
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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

Part Details

General

Status	Active
Category	Crimp Terminals
Series	172718
Description	Mini-Fit TPA2/Sigma Female Crimp Terminal, Phosphor Bronze, Pre-Plated Tin (Sn), 16 AWG, 1.98-2.55mm Insulation Diameter, Reel
Application	Power, Wire-to-Board, Wire-to-Wire
Comments	See product specification for current derating information; See Mini-Fit TPA2 housing series for 3D models.
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Sigma,Mini-Fit TPA2
UPC	889056179300

Electrical

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

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	1.98-2.55mm
Wire Size (AWG)	16
Wire Size mm ²	N/A

Solder Process Data

Lead-Free Process Capability	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>
Mini-Fit TPA2 and Mini-Fit Sigma Single Row Receptacle Housings	<u>200453</u>

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 16 AWG, Large and Small Insulation Grips	<u>2002181700</u>
Extraction Tool for Mini-Fit TPA2 Crimp Terminal, 16-24 AWG	<u>0638246210</u>
FineAdjust Applicator for Mini-Fit TPA2 Crimp Terminals, 16 AWG wires	<u>0639036700</u>