Part Number : 1727185111

Product Description : Mini-Fit TPA2/Sigma Female Crimp Terminal, Phosphor Bronze, Pre-Plated Tin (Sn), 22-24 AWG, 1.07-1.65mm Insulation Diameter, Reel

Series Number : 172718

Status : Active

Product Category : Crimp Terminals

Packaging Alternative : 1727185112 (Bag)

Documents & Resources

Drawings

Drawing 1727185111_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
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-2002180200-001.pdf
Application Tooling Specification ATS-2002181200-001.pdf
Application Tooling Specification ATS-639037100-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 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

Part Details

General

Status	Active
Category	Crimp Terminals
Series	172718
Description	Mini-Fit TPA2/Sigma Female Crimp Terminal, Phosphor Bronze, Pre-Plated Tin (Sn), 22-24 AWG, 1.07-1.65mm 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	889056179348

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	1.07-1.65mm
Wire Size (AWG)	22, 24
Wire Size mm^2	N/A

Solder Process Data

Lead-Free Process Capability	N/A

Use with Part(s)

Description	Part Number
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings	172708
Mini-Fit TPA2 and Mini-Fit Sigma Single Row Receptacle Housings	200453

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 22 AWG, Large and Small Insulation Grips	2002180200
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 24 AWG, Large and Small Insulation Grips	2002181200
Extraction Tool for Mini-Fit TPA2 Crimp Terminal, 16-24 AWG	638246210
FineAdjust Applicator for Mini-Fit TPA2 Crimp Terminals, 0.22mm^2, 0.25mm^2, 0.35 mm^2 and 22-24 AWG wires	639037100