Part Number : 1727653122

Product Description : Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), 18-20 AWG, 1.42-2.10mm Insulation Diameter, Bag

Series Number : 172765

Status : Active

Product Category : Crimp Terminals

Packaging Alternative : 1727653121 (Reel)

Documents & Resources

Drawings

Drawing_1727653122_sd.pdf
Packaging Design Drawing_PK-172765-0000-000.pdf
Packaging Design Drawing_PK-172765-0001-000.pdf

Specifications

Application Specification_AS-172718-0000-001.pdf
Application Specification_2131370000-AS-000.pdf
Product Specification_PS-172718-0000-001.pdf
Product Specification_2131370000-PS-000.pdf
Test Summary_1727180002-TS-000.pdf
Test Summary_2131370002-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(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	172765
Description	Mini-Fit TPA2/Sigma Male Crimp Terminal, Brass, Pre-Plated Tin (Sn), 18-20 AWG, 1.42-2.10mm Insulation Diameter, Bag
Application	Power, 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	889056262408

Electrical

Current - Maximum per Contact	11.5A
Voltage - Maximum	600V AC/DC

Physical

Durability (mating cycles max)	30
Gender	Male
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.210/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

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 Plug Housings	172762
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings	172767
Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings	200471
Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings	200488
Mini-Fit Sigma Sealed Dual Row Plug Housings	207017

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	2002180100
Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 20 AWG, Large and Small Insulation Grips	2002182100
Extraction Tool for Mini-Fit TPA2 Crimp Terminal, 16-24 AWG	638246210