molex

Part Number : 39000083

Product Description : Mini-Fit Male Crimp Terminal, Tin (Sn) over Phosphor Bronze, Double 22+20, 22+18, 20+20 or Single 16 AWG, Reel

Series Number : 5558

Status : Active

Product Category : Crimp Terminals

Engineering Number : 5558PBT3

Packaging Alternative : 39000084 (Bag)

Documents & Resources

Drawings
Drawing 039000083_sd.pdf
Packaging Design Drawing 55580001-PK-000.pdf

Specifications
Application Specification 55560001-AS-000.pdf
Product Specification 55560002-PS-CH-000.pdf
Product Specification 55560002-PS-ES-000.pdf
Product Specification 55560002-PS-SK-000.pdf
Product Specification 55560008-TS-000.pdf
Product Specification PS-5556-001-001.pdf
Product Specification PS-5556-002-001.pdf
Test Summary 55560010-TS-000.pdf
Test Summary TS-5556-002-001.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(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

Part Details

General

Status	Active
Category	Crimp Terminals
Series	5558
Description	Mini-Fit Male Crimp Terminal, Tin (Sn) over Phosphor Bronze, Double 22+20, 22+18, 20+20 or Single 16 AWG, Reel
Application	Power, Wire-to-Wire
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit
UPC	800753694415

Electrical

Current - Maximum per Contact	9.0A
Voltage - Maximum	600V

Physical

Durability (mating cycles max)	30
Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	168.600/mg
Packaging Type	Reel
Plating min - Mating	0.889µm
Plating min - Termination	0.914µm
Termination Interface Style	Crimp or Compression

Wire Insulation Diameter	1.80-3.10mm
Wire Size (AWG)	16, 22+18, 20+20, 22+20
Wire Size mm²	N/A

Use with Part(s)

Description	Part Number
Mini-Fit Jr. Plug Housings	5559
Mini-Fit BMI Dual Row Plug Housings	42475
Mini-Fit Jr. Dual Row Plug Housings	46993

Application Tooling

Global

Description	Part Number
Extraction Tool for Mini-Fit Jr. Terminals	11030044
Hand Crimp Tool for Mini-Fit Jr. Male and Female Crimp Terminals, 16 AWG	2002182200
FineAdjust Applicator for Insulation OD 2.20-2.45mm, 16 AWG	639039400
FineAdjust Applicator for Insulation OD 2.60-3.15mm, 16 AWG	639041400
FineAdjust Applicator for Insulation OD 1.80-2.20mm, 16 AWG	639041500
FineAdjust Crimp Applicator for Mini-Fit Double Crimp Terminals, 20+22, 20+20, and 18+22 AWG, UL 1007 Wires Only	2037022100
FineAdjust Crimp Applicator for Mini-Fit Double Crimp Terminals, 20+22, 20+20, and 18+22 AWG, UL 1061 Wires Only	2037022200

This document was generated on Sep 18, 2024