molex

Part Number : 504199001

Series Number : 50419

Product Category : Crimp Terminals

Product Description : Mighty-SPOX Crimp Terminal, 3.50mm Pitch, Reel

Status : Active

Packaging Alternative : 504199101 (Bag)

Documents & Resources

Drawings
Drawing_504199001_sd.pdf

3D Models and Design Files
3D Model_504199001_stp.zip

Specifications
Product Specification_PS-51067-008-001.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)

Part Details

General

Status	Active
Category	Crimp Terminals
Series	50419
Description	Mighty-SPOX Crimp Terminal, 3.50mm Pitch, Reel
Application	Power, Wire-to-Wire
Product Family	Mighty-SPOX Connector System
Product Name	Mighty-SPOX
UPC	800753617162

Physical

Gender	Male
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	147.400/mg
Packaging Type	Reel
Plating min - Mating	0.889µm
Plating min - Termination	0.889µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.40-3.00mm
Wire Size (AWG)	18, 20, 22, 24
Wire Size mm²	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mighty-SPOX Female Crimp Terminals	50217

Use with Part(s)

Description	Part Number
Mighty-SPOX Plug Housings	51114

Application Tooling

Global

Description	Part Number
Hand Crimp Tool For 3.50 Wire-to-Wire Connector, Crimp Pin	638238700
Hand Crimp Tool For 3.50 Wire-to-Wire Connector, Crimp Pin	638238800
FineAdjust Applicator for 3.50 Wire-to-Wire Connector, Crimp Pin	639022100
FineAdjust Applicator for 3.50 Wire-to-Wire Connector, Crimp Pin	639022200
T2 Terminator for 3.50 Wire-to-Wire Connector, Crimp Pin	639122100
T2 Terminator for 3.50 Wire-to-Wire Connector, Crimp Pin	639122200

Application Tooling

Japan

Description	Part Number
Hand Extraction Tool	573166000
S-1 Applicator for 3.50mm Pitch Crimp Terminal, 18-24 AWG, UL1007 Wires	573283700
S-1 Applicator for 3.50mm Pitch Crimp Terminal, 18-24 AWG, UL1015 Wires	573283710