molex

Part Number : 5018280101

Series Number : 501828
Product Category : Crimp Terminals

Product Description : CMC Wire-to-Wire Connector Male Terminal 1.5, AVSS 0.85

Status : Active

Documents & Resources

Drawings
Drawing 5018280101_sd.pdf

Specifications
Application Specification AS-501820-001-001.pdf
Application Specification AS-501820-001-JP-001.pdf
Product Specification PS-64319-002-001.pdf

Tooling Specifications
Crimp Specification CS-501828-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Compliant per 2000/53/EC
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

Part Details

General

Status	Active
Category	Crimp Terminals
Series	501828
Description	CMC Wire-to-Wire Connector Male Terminal 1.5, AVSS 0.85
Application	Automotive, Power, Wire-to-Wire
Product Family	CMC and CMX Sealed, Hybrid, Modular Connectors
Product Name	CMC
UPC	822350219402

Electrical

Current - Maximum per Contact	12.0A

Physical

Gender	Male
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	353.130/mg
Packaging Type	Reel
Plating min - Mating	0.889μm
Plating min - Termination	0.889μm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.80-1.90mm (AVSS 0.85)
Wire Size (AWG)	N/A
Wire Size mm²	1.20

Solder Process Data

Lead-Free Process Capability	N/A

Use with Part(s)

Description	Part Number
CMC Wire-to-Wire Plug Housing Assemblies	501820

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for CMC Wire-to-Wire 1.50, Male Terminal, 0.75-1.00mm²	638275800

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