molex

Part Number : <u>2014472800</u>

Product Description : Nano-Fit Crimp Terminal, Male, 0.025µm Gold (Au) Plating, 20-22 AWG

Series Number : 201447

Status : Active

Product Category : Crimp Terminals

Documents & Resources

Drawings
Drawing <u>2014472800_sd.pdf</u>
Packaging Design Drawing <u>2014471000-PK-000.pdf</u>

Specifications
Product Specification <u>PS-105300-100-001.pdf</u>
Product Specification <u>2014471000-PS-000.pdf</u>
Test Summary <u>2014471000-TS-000.pdf</u>

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

<u>Multiple Part Product Compliance Statements</u>

- Eu RoHS

- REACH SVHC

- Low-Halogen

<u>Multiple Part Industry Compliance Documents</u>

- 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	201447
Description	Nano-Fit Crimp Terminal, Male, 0.025µm Gold (Au) Plating, 20-22 AWG
Application	Power, Wire-to-Wire
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit,Nano-Fit BMI
UPC	196823536601

Electrical

Current - Maximum per Contact	7.5A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Durability (mating cycles max)	50
Gender	Male
Material - Metal	High Conductivity Copper
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Net Weight	0.083/g
Packaging Type	Reel
Plating min - Mating	0.025µm
Plating min - Termination	1.500µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.60mm
Wire Size (AWG)	20, 22
Wire Size mm^2	N/A

Use with Part(s)

Description	Part Number
Nano-Fit TPA Capable Single Row Plug Housings	200277
Nano-Fit Dual Row TPA Capable Plug Housings	201444
Nano-Fit BMI TPA Capable Plug Housings	224556

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for Nano-Fit Plug Crimp Terminals, 20-22 AWG	2002186400
FineAdjust Applicator for Nano-Fit Wire-to-Wire Plug Terminals, 20-22 AWG UL1061 and 22 AWG UL1007 Wires	2037023000
Extraction Tool for Nano-Fit Crimp Terminals, 24-26 AWG	2002221400

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