Part Number : 1053001900

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

Series Number : 105300

Status : Active

Product Category : Crimp Terminals

Documents & Resources

Drawings

Drawing_1053001900_sd.pdf

Packaging Design Drawing_PK-105300-100-000.pdf

Specifications

Product Specification_PS-105300-100-001.pdf

Product Specification_2014471000-PS-000.pdf

Product Specification_2192681000-PS-000.pdf

Test Summary_2014471000-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	105300
Description	Nano-Fit Crimp Terminal, Female, 0.025µm Gold (Au) Plating, 20-22 AWG
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit,Nano-Fit BMI
UPC	196823536588

Electrical

Current - Maximum per Contact	8.0A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Durability (mating cycles max)	50
Gender	Female
Material - Metal	High Conductivity Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	0.098/g
Packaging Type	Reel
Plating min - Mating	0.025µm
Plating min - Termination	1.250µm
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 Receptacle Housings	105307
Nano-Fit TPA Capable Dual Row Receptacle Housings	105308
Nano-Fit BMI Dual Row Receptacle Housings	219268
Nano-Fit BMI TPA Capable Plug Housings	224556

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for Nano-Fit Receptacle Terminals, 20-22 AWG UL1061 wire and 22 AWG UL1007 wire	638275600
Extraction Tool for Nano-Fit Power Connectors and Crimp Terminals, 20-26 AWG	638244600
FineAdjust Applicator for Nano-Fit Terminals, for 20-22 AWG UL1061 Wire with Insulation Diameter 1.05-1.60mm	639032400