Part Number : 1053001900
Product Description : Nano-Fit Crimp Terminal, Female, 0.025µm Gold (Au) Plating, 22-20 AWG
Series Number : 105300
Status : Active
Product Category : Crimp Terminals



Documents & Resources

Drawings

1053001900_sd.pdf

PK-105300-100-000.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

AS-105405-001-001.pdf

PS-105300-100-001.pdf

2014471000-PS-000.pdf

2192681000-PS-000.pdf

2014471000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Crimp Terminals
Series	105300
Description	Nano-Fit Crimp Terminal, Female, 0.025µm Gold (Au) Plating, 22-20 AWG
Application	Power, Wire-to-Board, Wire-to-Wire
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	Matte 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

Mates With / Use With

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

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for Nano-Fit Receptacle Terminals, 22-20 AWG UL1061 wire and 22 AWG UL1007 wire	638275600
Extraction Tool for Nano-Fit Power Connectors/Terminals and DuraClik Robust Connectors/Terminals, 26-20 AWG and 0.30-0.50mm2 Wire	638244600
FineAdjust Applicator for Nano-Fit Terminals, for 22-20 AWG UL1061 Wire with Insulation Diameter 1.05-1.60mm	639032400

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