# molex

Part Number : 2014472800

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

Series Number : 201447

Status : Active

Product Category : Crimp Terminals

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## Documents & Resources

### Drawings

2014472800_sd.pdf
2014471000-PK-000.pdf

### Specifications

AS-105300-100-001.pdf
PS-105300-100-001.pdf
2014471000-PS-000.pdf
2014471000-TS-000.pdf

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## 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(2024)6225-DC (07 Nov 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 | 201447 |
| Description | Nano-Fit Crimp Terminal, Male, 0.025µm Gold (Au) Plating, 22-20 AWG |
| Application | Power, Wire-to-Wire |
| 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, 22-20 AWG | 2002186400 |
| FineAdjust Applicator for Nano-Fit Wire-to-Wire Plug Terminals, 22-20 AWG UL 1061 and 22 AWG UL 1007 Wires | 2037023000 |
| Extraction Tool for Nano-Fit Crimp Terminals, 26-24 AWG | 2002221400 |

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