



Part Number : [1053002300](#)

Product Description : Nano-Fit Crimp Terminal, Female, 0.76µm Gold (Au) Plating, 22-20 AWG

Series Number : 105300

Status : Active

Product Category : Crimp Terminals

---

## Documents & Resources

### Drawings

[Drawing 1053002300\\_sd.pdf](#)

[Packaging Design Drawing PK-105300-100-000.pdf](#)

### Specifications

[Application Specification AS-105300-100-001.pdf](#)

[Product Specification 1053001000-PS-CH-000.pdf](#)

[Product Specification 1053001000-PS-ES-000.pdf](#)

[Product Specification 1053001000-PS-JP-000.pdf](#)

[Product Specification 1053001000-PS-SK-000.pdf](#)

[Product Specification PS-105300-100-001.pdf](#)


[Product Specification 2192681000-PS-000.pdf](#)

[Test Summary 1053000000-TS-000.pdf](#)

---

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 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, 0.76µm Gold (Au) Plating, 22-20 AWG
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit, Nano-Fit BMI
UPC	889056003308

### 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	0.100/g
Packaging Type	Reel
Plating min - Mating	0.762µm
Plating min - Termination	1.250µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.60mm

Wire Size (AWG)	20, 22
Wire Size mm <sup>2</sup>	N/A

---

### Use with Part(s)

Description	Part Number
Nano-Fit TPA Capable Single Row Receptacle Housings	<u>105307</u>
Nano-Fit TPA Capable Dual Row Receptacle Housings	<u>105308</u>
Nano-Fit BMI Dual Row Receptacle Housings	<u>219268</u>
Nano-Fit BMI TPA Capable Plug Housings	<u>224556</u>

---

### Application Tooling

#### Global

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

### Application Tooling

#### Japan

Description	Part Number
S-1 Applicator for Nano-Fit Terminals, 22-20 AWG, UL1061 Wires	<u>2047483700</u>