



Part Number : [1053002200](#)

Product Description : Nano-Fit Crimp Terminal,
Female, 0.38µm Gold (Au) Plating, 22-20 AWG

Series Number : 105300

Status : Active

Product Category : Crimp Terminals



Documents & Resources

Drawings

[1053002200_sd.pdf](#)

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

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Specifications

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

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

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

[1053001000-PS-IP-000.pdf](#)

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

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

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

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

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
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, 0.38µm Gold (Au) Plating, 22-20 AWG
Application	Power, Wire-to-Board, Wire-to-Wire
Product Name	Nano-Fit,Nano-Fit BMI
UPC	889056003292

Electrical

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

Physical

Durability (mating cycles max)	50
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Gender	Female
Material - Metal	High Conductivity Copper
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Net Weight	0.100/g
Packaging Type	Reel
Plating min - Mating	0.381µm
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	<u>105307</u>
Nano-Fit TPA Capable Dual Row Receptacle Housings	<u>105308</u>
Nano-Fit BMI Dual Row Receptacle Housings	<u>219268</u>

Application Tooling

Global

Description	Part Number
Extraction Tool for Nano-Fit Power Connectors/Terminals and DuraClik Robust Connectors/Terminals, 26-20 AWG and 0.30-0.50mm ² Wire	<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>
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Japan

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