

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1053002300](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit Power Connectors](#)  
**Description:** Nano-Fit Crimp Terminal, Female, 0.76µm Gold (Au) Plating, 20-22 AWG

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 1053000000-TS-000 (PDF)</a>
<a href="#">Product Specification PS-105300-100-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification PK-105300-100-000 (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**General**

Product Family	Crimp Terminals
Series	<a href="#">105300</a>
Application	Power, Wire-to-Board
Crimp Quality Equipment	Yes
Overview	<a href="#">Nano-Fit Power Connectors</a>
Product Literature Order No	987651-1223
Product Name	Nano-Fit
UPC	889056003308

**Physical**

Durability (mating cycles max)	50
Gender	Female
Material - Metal	High Conductivity Copper
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Net Weight	0.100/g
Packaging Type	Reel
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.60mm
Wire Size AWG	20, 22
Wire Size mm <sup>2</sup>	0.30-0.50

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-105300-100-000
Product Specification	PS-105300-100-001
Sales Drawing	SD-105300-100-000
Test Summary	1053000000-TS-000



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[105300 Series](#)

**Use With**

Nano-Fit Receptacle Housing [105307](#) ,  
[105308](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

Extraction Tool for [638244600](#)

Nano-Fit Power Connectors and Crimp Terminals, 20-26 AWG

Hand Crimp Tool for [638275600](#)

Nano-Fit Receptacle Terminals, 20-22 AWG UL1061 wire

and 22 AWG UL1007  
wire

FineAdjust Applicator 639032400  
for Nano-Fit  
Terminals

**Japan**

<b>Description</b>	<b>Product #</b>
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S-1 Applicator for Nano-Fit Terminals, 20-22 AWG, UL1061 Wires	<u>2047483700</u>
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[105300-2300](#) [105300-2300 \(Mouser Reel\)](#) [105300-2300 \(Loose Piece\)](#) [105300-2300 \(Cut Strip\)](#)