

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:

Drawing (PDF)	Application Specification AS-105300-100-001 (PDF)
Product Specification 1053001000-PS-CH-000 (PDF)	Packaging Specification PK-105300-100-000 (PDF)
Product Specification 1053001000-PS-ES-000 (PDF)	Test Summary 1053000000-TS-000 (PDF)
Product Specification 1053001000-PS-JP-000 (PDF)	Datasheet (PDF)
Product Specification 1053001000-PS-SK-000 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-105300-100-001 (PDF)	

General

Product Family	Crimp Terminals
Series	105300
Application	Power, Wire-to-Board
Crimp Quality Equipment	Yes
Overview	Nano-Fit Power Connectors
Product Name	Nano-Fit
Taxonomy	Crimp Terminals
UPC	889056003308

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 ²	0.30-0.50

Electrical

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

Material Info

Reference - Drawing Numbers

Application Specification	AS-105300-100-001
Packaging Specification	PK-105300-100-000
Product Specification	1053001000-PS-CH-000, 1053001000-PS-ES-000, 1053001000-PS-JP-000, 1053001000-PS-SK-000, PS-105300-100-001
Sales Drawing	SD-105300-100-000
Test Summary	1053000000-TS-000



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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, for
20-22 AWG
UL1061 Wire with
Insulation Diameter
1.05-1.60mm

Japan

Description

Product #

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

This document was generated on 10/25/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION