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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
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	2.540µm
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.60mm
Wire Size AWG	20, 22
Wire Size mm²	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



Series image - Reference only

EU ELV Not Relevant	
EU RoHS Compliant REACH SVHC Not Contained Per - D(2020)9139-DC (19 Jan 2021) Halogen-Free Status Low-Halogen For more information, please visit Contact US	China RoHS China ROHS ELV RoHS Phthalates
	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 Nano-Fit Power Connectors and Crimp Terminals, 20-26 AWG	638244600
Hand Crimp Tool for Nano-Fit Receptacle Terminals, 20-22 AWG UL1061 wire	638275600

and 22 AWG UL1007
wire
FineAdjust Applicator639032400
for Nano-Fit
Terminals, for
20-22 AWG
UL1061 Wire with
Insulation Diameter
1.05-1.60mm

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

This document was generated on 05/20/2021

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