

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1053002100

Status:

Active

Overview:

Nano-Fit Power Connectors

Description:

Nano-Fit Crimp Terminal, Female, 2.54µm Matte Tin (Sn) 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 1053001000-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	889056003285

Physical	
Durability (mating cycles max)	25
Gender	Female
Material - Metal	High Conductivity Copper
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Net Weight	0.100/g
Packaging Type	Reel
Plating min - Mating	2.540µm
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	2004570710-000
Test Summary	1053001000-TS-000



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -

D(2021)4569-DC (8

July 2021)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit

Contact US

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

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 09/13/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

[105300-2100](#) [105300-1100 \(Mouser Reel\)](#)