

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1053071202

Status:

Active

Overview:

Nano-Fit Power Connectors

Description:

Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 2 Circuits, Black, Glow-Wire Capable

Documents:	
3D Model (PDF)	Product Specification PS-105300-100-001 (PDF)
3D Model	Application Specification AS-105300-100-001 (PDF)
Drawing (PDF)	Packaging Specification PK-105307-100-000 (PDF)
Product Specification 1053001000-PS-CH-000 (PDF)	Test Summary 1053000000-TS-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)

Agency Certification	
CSA	LR19980
UL	E29179
Application tooling part link	
Application Tooling Part Link	63824-4600
General	
Product Family	Crimp Housings
Series	105307
Application	Power, Wire-to-Board
Comments	Operating temperature is -40° to +105° for tin and -40° to +115° for gold
Overview	Nano-Fit Power Connectors
Product Name	Nano-Fit
Taxonomy	Connector Housings
UPC	889056026437
Physical	
Circuits (maximum)	2
Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	0.374/g
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40° to +105°C, -40° to +115°C
Electrical	
Current - Maximum per Contact	6.5A
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-105300-100-001



Series image - Reference only

EU ELV
Compliant

EU RoHS
Compliant

REACH SVHC
Not Contained per -
D(2022)9120-DC (17
Jan 2023)

Halogen-Free
Status
Low-Halogen

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

China RoHS

Green Image
ELV
RoHS Phthalates

Compliant
Not Contained

Search Parts in this Series

105307 Series

Mates With

Nano-Fit Vertical Headers [1053091102](#) , [1053091202](#) , [1053091302](#) , [1053091402](#) , [1053111102](#) , [1053111202](#) , [1053111302](#) , [1054311102](#) , [1054311202](#) , [1054311302](#) , [1054311402](#) . Nano-Fit Right-Angle Headers [1053131102](#) , [1053131202](#) , [1053131302](#) , [1054301102](#) , [1054301202](#) , [1054301302](#) , [1054301402](#) . Nano-Fit Plug Housings [2002771102](#) , [2002771202](#)

Use With

Nano-Fit Crimp Terminal [105300](#) . Nano-Fit Pre-Crimped Leads (Gold) [797582129](#) , [797582130](#). Nano-Fit Pre-Crimped Leads (Tin) [797582139](#) , [797582140](#). Nano-Fit TPA Retainer [105325](#)

Application Tooling | [FAQ](#)

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then

Packaging Specification
Product Specification

Sales Drawing
Test Summary

PK-105307-100-000
1053001000-PS-CH-000, 1053001000-PS-ES-000,
1053001000-PS-JP-000, 1053001000-PS-SK-000,
PS-105300-100-001
SD-105307-100-000
1053000000-TS-000, 1053001000-TS-000

<i>contained in the Application Tooling Specification document.</i>	
Global	
Description	Product #
Extraction Tool for Nano-Fit Power Connectors and Crimp Terminals, 20-26 AWG	<u>638244600</u>

This document was generated on 03/09/2023
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION