

**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:**

<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-105300-100-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Application Specification AS-105300-100-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-105307-100-000 (PDF)</a>
<a href="#">Product Specification 1053001000-PS-CH-000 (PDF)</a>	<a href="#">Test Summary 1053000000-TS-000 (PDF)</a>
<a href="#">Product Specification 1053001000-PS-ES-000 (PDF)</a>	<a href="#">Test Summary 1053001000-TS-000 (PDF)</a>
<a href="#">Product Specification 1053001000-PS-JP-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 1053001000-PS-SK-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**Application tooling part link**

Application Tooling Part Link	63824-4600
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**General**

Product Family	Crimp Housings
Series	<a href="#">105307</a>
Application	Power, Wire-to-Board
Comments	Operating temperature is -40° to +105° for tin and -40° to +115° for gold
Overview	<a href="#">Nano-Fit Power Connectors</a>
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
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**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-105300-100-001
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**EU ELV**

**Compliant**

**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

Compliant

Not Contained

**Search Parts in this Series**

[105307 Series](#)

**Mates With**

Nano-Fit Vertical Headers [1053091102](#) ,  
[1053091202](#) , [1053091302](#) , [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

*contained in the Application Tooling  
Specification document.*

**Global**

**Description**

**Product #**

Description	Product #
Extraction Tool for Nano-Fit Power Connectors and Crimp Terminals, 20-26 AWG	<u>638244600</u>

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