

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1053072207](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit Power Connectors](#)  
**Description:** Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 7 Circuits, Natural, 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="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification 1053001000-PS-SK-000 (PDF)</a>	<a href="#">Product Literature (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#C to +105#C for tin and -40#C to +115#C for gold
Overview	<a href="#">Nano-Fit Power Connectors</a>
Product Name	Nano-Fit
UPC	889056026642

**Physical**

Circuits (maximum)	7
Color - Resin	Natural
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	0.760/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

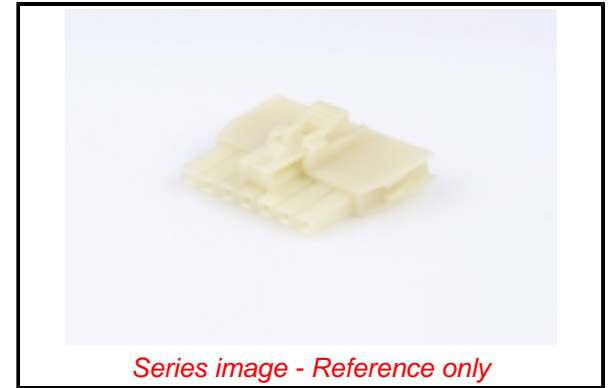
**Electrical**

Current - Maximum per Contact	6.5A
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**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-105300-100-001
Packaging Specification	PK-105307-100-000



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/71/2019 (16 July 2019)

**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**

[105307](#) Series

**Mates With**

Nano-Fit Vertical Headers [1053092107](#) , [1053092207](#) , [1053092307](#) , [1053112107](#) , [1053112207](#) , [1053112307](#) , [1054312107](#) , [1054312207](#) , [1054312307](#) , [1054312407](#)  
 <br>Nano-Fit Right-Angle Headers [1053132107](#) , [1053132207](#) , [1053132307](#) , [1054302107](#) , [1054302207](#) , [1054302307](#) , [1054302407](#) <br>Nano-Fit Plug Housings [2002772107](#) , [2002772207](#)

**Use With**

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

**Application Tooling | [FAQ](#)**

*Tooling specifications and manuals are found by selecting the products below.*

Product Specification

Sales Drawing  
Test Summary

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

*Crimp Height Specifications are then  
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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