

**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</a>	<a href="#">Packaging Specification PK-105307-100-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary 1053000000-TS-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 1053001000-TS-000 (PDF)</a>
<a href="#">Product Specification PS-105300-100-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification AS-105300-100-001 (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	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	0.310/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
Product Specification	PS-105300-100-001
Sales Drawing	SD-105307-100-000



*Series image - Reference only*

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**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](#)  
<br>Nano-Fit Right-Angle Headers  
[1053131102](#) , [1053131202](#) , [1053131302](#) ,  
[1054301102](#) , [1054301202](#) , [1054301302](#) ,  
[1054301402](#) <br>Nano-Fit Plug Housings  
[2002771102](#) , [2002771202](#)

**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.*

*Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

<b>Description</b>	<b>Product #</b>
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Extraction Tool for Nano-Fit Power Connectors and Crimp Terminals, 20-26 AWG	<u>638244600</u>
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This document was generated on 03/10/2020

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