

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

**Part Number:** [1053081216](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit Power Connectors](#)  
**Description:** Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 16 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-105308-100-000 (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

**General**

Product Family	Crimp Housings
Series	<a href="#">105308</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	889056023771

**Physical**

Circuits (maximum)	16
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	1.340/g
Number of Rows	2
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-105308-100-000
Product Specification	1053001000-PS-CH-000, 1053001000-PS-ES-000, 1053001000-PS-JP-000, 1053001000-PS-SK-000, PS-105300-100-001



*Series image - Reference only*

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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**

[105308](#) Series

**Mates With**

Nano-Fit Vertical Through Hole Headers  
[1053101116](#) , [1053101216](#) , [1053101316](#) ,  
[1053121116](#) , [1053121216](#) , [1053121316](#) .  
 Nano-Fit Right-Angle Through Hole Headers  
[1053141116](#) , [1053141216](#) , [1053141316](#) .  
 Nano-Fit Vertical SMT Headers [1054291116](#)  
 , [1054291216](#) , [1054291316](#) , [1054291416](#)  
 . Nano-Fit Right-Angle SMT Headers  
[1054051116](#) , [1054051216](#) , [1054051316](#)  
 . Nano-Fit Plug Housings [2014441116](#) ,  
[2014441216](#)

**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](#)

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