

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

**Part Number:** [1053081206](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit™ Power Connectors](#)  
**Description:** Nano-Fit™ Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 6 Circuits, Black

**Documents:**

[3D Model](#) [Packaging Specification PK-105308-100 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Crimp Housings  
 Series [105308](#)  
 Application Power, Wire-to-Board  
 Application Tooling Part Link 63824-4600  
 Comments Operating temperature is -40#C to +105#C for tin and -40#C to +115#C for gold  
 Overview [Nano-Fit™ Power Connectors](#)  
 Product Name Nano-Fit™  
 UPC 889056023726

**Physical**

Circuits (maximum) 6  
 Color - Resin Black  
 Flammability 94V-0  
 Gender Receptacle  
 Glow-Wire Compliant No  
 Keying to Mating Part Yes  
 Lock to Mating Part Yes  
 Material - Resin Nylon  
 Net Weight 0.610/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°C to +105°C, -40°C to +115°C

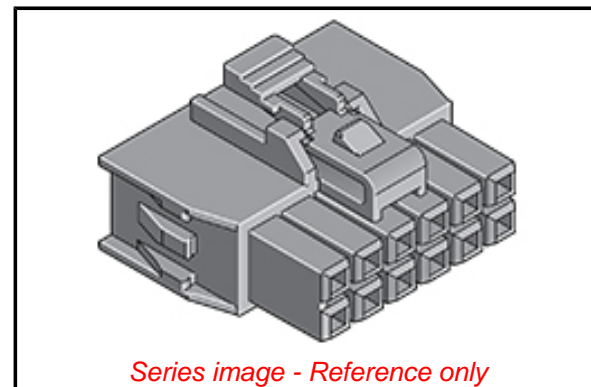
**Electrical**

Current - Maximum per Contact 6.5A

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-105308-100  
 Sales Drawing SD-105308-100



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Not Relevant**

**REACH SVHC**

Not Relevant

**Halogen-Free**

**Status**

**Not Relevant**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Not Relevant

ELV

Not Relevant

**Search Parts in this Series**

[105308](#) Series

**Mates With**

Nano-Fit™ Headers [105310](#) , [105312](#) , [105314](#)

**Use With**

Nano-Fit™ Crimp Terminal [105300](#)  
 <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**

**Description**

**Product #**

Extraction Tool for [0638244600](#)  
 Nano-Fit Power Connectors and

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