

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

**Part Number:** [1053071204](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit Power Connectors](#)  
**Description:** Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 4 Circuits, Black, Glow-Wire Capable

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model (PDF)</a>                                    | <a href="#">Packaging Specification PK-105307-100-000 (PDF)</a> |
| <a href="#">3D Model</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 |
|-------------------------------|------------|

**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            | 889056026451  |

**Physical**

|                               |                                |
|-------------------------------|--------------------------------|
| Circuits (maximum)            | 4                              |
| 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                    | 0.490/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 |
|-------------------------------|------|

**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**

**Not Relevant**

**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

Not Relevant

Not Contained

**Search Parts in this Series**

[105307](#) Series

**Mates With**

Nano-Fit Vertical Headers [1053091104](#) ,  
[1053091204](#) , [1053091304](#) , [1053111104](#)  
 , [1053111204](#) , [1053111304](#) , [1054311104](#)  
 , [1054311204](#) , [1054311304](#) , [1054311404](#)  
<br>Nano-Fit Right-Angle Headers  
[1053131104](#) , [1053131204](#) , [1053131304](#) ,  
[1054301104](#) , [1054301204](#) , [1054301304](#) ,  
[1054301404](#) <br>Nano-Fit Plug Housings  
[2002771104](#) , [2002771204](#)

**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> |
|--------------------|------------------|
|--------------------|------------------|

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

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