

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1053082208](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Natural, Glow-Wire Capable

Documents:

| | |
|--|---|
| 3D Model (PDF) | Product Specification PS-105300-100-001 (PDF) |
| Drawing (PDF) | Application Specification AS-105300-100-001 (PDF) |
| 3D Model | Packaging Specification PK-105308-100-000 (PDF) |
| Product Specification 1053001000-PS-CH-000 (PDF) | Test Summary 1053000000-TS-000 (PDF) |
| Product Specification 1053001000-PS-ES-000 (PDF) | Test Summary 1053001000-TS-000 (PDF) |
| Product Specification 1053001000-PS-JP-000 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification 1053001000-PS-SK-000 (PDF) | Product Literature (PDF) |

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

Application tooling part link

| | |
|-------------------------------|------------|
| Application Tooling Part Link | 63824-4600 |
|-------------------------------|------------|

General

| | |
|----------------|---|
| Product Family | Crimp Housings |
| Series | 105308 |
| 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 | Nano-Fit Power Connectors |
| Product Name | Nano-Fit |
| UPC | 889056023870 |

Physical

| | |
|-------------------------------|--------------------------------|
| Circuits (maximum) | 8 |
| 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 | 0.750/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 |
|-------------------------------|------|

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|-------------------|
| Application Specification | AS-105300-100-001 |
| Packaging Specification | PK-105308-100-000 |



Series image - Reference only

EU ELV

Not Relevant

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

Not Relevant

Not Contained

Search Parts in this Series

[105308](#) Series

Mates With

Nano-Fit Vertical Through Hole Headers
[1053102108](#) , [1053102208](#) , [1053102308](#) ,
[1053122108](#) , [1053122208](#) , [1053122308](#) .
 Nano-Fit Right-Angle Through Hole Headers
[1053142108](#) , [1053142208](#) , [1053142308](#) .
 Nano-Fit Vertical SMT Headers [1054292108](#)
 , [1054292208](#) , [1054292308](#) , [1054292408](#)
 . Nano-Fit Right-Angle SMT Headers
[1054052108](#) , [1054052208](#) , [1054052308](#)
 . Nano-Fit Plug Housings [2014442108](#) ,
[2014442208](#)

Use With

Nano-Fit Crimp Terminal [105300](#)
 Nano-Fit Pre-Crimped Leads (Gold)

[797582129](#) , [797582130](#)
 Nano-Fit Pre-Crimped Leads (Tin)

[797582139](#) , [797582140](#)
 Nano-Fit TPA Retainer
[105325](#)

Application Tooling | [FAQ](#)

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-105308-100-000
1053000000-TS-000, 1053001000-TS-000

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

This document was generated on 10/05/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Headers & Wire Housings](#) category:

Click to view products by [Molex](#) manufacturer:

Other Similar products are found below :

[892-18-020-10-001101](#) [58102-G61-06LF](#) [582553-1](#) [0009485154](#) [009176003701906](#) [0050291907](#) [LY20-4P-DT1-P1E-BR](#) [02.125.8002.8](#)
[609-3404](#) [61062-3](#) [622-0430](#) [622-3653LF](#) [63453-116](#) [636-1030](#) [636-1427](#) [636-3427](#) [636-4007](#) [641938-9](#) [641991-4](#) [644827-2](#) [65817-010LF](#)
[65817-015LF](#) [65863-015LF](#) [66207-023LF](#) [67095-007LF](#) [67601157](#) [68648-049](#) [70.362.1628.0](#) [70-4210](#) [70-4226B](#) [70-4853B](#) [707-5020](#) [707-5028](#) [71.350.2428.0](#) [71918-208LF](#) [71961-016LF](#) [733-134](#) [733-162](#) [754199-000](#) [760-3052](#) [787-8014-00](#) [79531-3000](#) [FCN-360C032-B](#) [FCN-367T-T012/H](#) [FCN-723D010/2](#) [80.063.4001.1](#) [800-90-001-10-001000](#) [800-90-010-10-002000](#) [801-43-002-10-013000](#) [801-43-006-10-002000](#)