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Part Number: [1053081208](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Black, Glow-Wire Capable

Documents:

| | |
|--|---|
| 3D Model (PDF) | Product Specification PS-105300-100-001 (PDF) |
| 3D Model | Application Specification AS-105300-100-001 (PDF) |
| Drawing (PDF) | 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) | Datasheet (PDF) |
| Product Specification 1053001000-PS-SK-000 (PDF) | RoHS Certificate of Compliance (PDF) |

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 | 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 | 889056023733 |

Physical

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

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)10043-DC (17
Jan 2022)

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
[1053101108](#) , [1053101208](#) , [1053101308](#) ,
[1053121108](#) , [1053121208](#) , [1053121308](#) .
Nano-Fit Right-Angle Through Hole Headers
[1053141108](#) , [1053141208](#) , [1053141308](#) .
Nano-Fit Vertical SMT Headers [1054291108](#)
, [1054291208](#) , [1054291308](#) , [1054291408](#)
. Nano-Fit Right-Angle SMT Headers
[1054051108](#) , [1054051208](#) , [1054051308](#)
. Nano-Fit Plug Housings [2014441108](#) ,
[2014441208](#)

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> |
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