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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, Glow-Wire Capable

Documents:

3D Model	Product Specification PS-105300-100-001 (PDF)
3D Model (PDF)	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
Taxonomy	Connector Housings
UPC	889056023726

Physical

Circuits (maximum)	6
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	0.610/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° 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
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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
[1053101106](#) , [1053101206](#) , [1053101306](#) ,
[1053121106](#) , [1053121206](#) , [1053121306](#) .
 Nano-Fit Right-Angle Through Hole Headers
[1053141106](#) , [1053141206](#) , [1053141306](#) .
 Nano-Fit Vertical SMT Headers [1054291106](#)
 , [1054291206](#) , [1054291306](#) , [1054291406](#)
 . Nano-Fit Right-Angle SMT Headers
[1054051106](#) , [1054051206](#) , [1054051306](#)
 . Nano-Fit Plug Housings [2014441106](#) ,
[2014441206](#)

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](#)

Packaging Specification
Product Specification

Sales Drawing
Test Summary

PK-105308-100-000
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 #
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Extraction Tool for Nano-Fit Power Connectors and Crimp Terminals, 20-26 AWG	<u>638244600</u>
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This document was generated on 09/04/2022

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