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Part Number: [1053082216](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 16 Circuits, Natural, Glow-Wire Capable

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

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	889056023917

Physical

Circuits (maximum)	16
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	1.340/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
Packaging Specification	PK-105308-100-000
Product Specification	1053001000-PS-CH-000, 1053001000-PS-ES-000, 1053001000-PS-JP-000, 1053001000-PS-SK-000, PS-105300-100-001



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 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

[105308](#) Series

Mates With

Nano-Fit Vertical Headers [1053102116](#) ,
[1053102216](#) , [1053102316](#) , [1053122116](#)
 , [1053121416](#) , [1053122316](#)
 Nano-Fit Right-Angle Through Hole Headers
[1053142116](#) , [1053142216](#) , [1053142316](#)

 Nano-Fit Right-Angle SMT Headers
[1054052116](#) , [1054052216](#) , [1054052316](#)

 Nano-Fit Plug Housings [2014442116](#) ,
[2014442216](#)

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](#)

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