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Part Number: [1053081216](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 16 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)	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	889056023771

Physical

Circuits (maximum)	16
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	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

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Compliant
RoHS Phthalates	Not Contained

Search Parts in this Series

[105308](#) Series

Mates With

Nano-Fit Vertical Through Hole Headers
[1053101116](#) , [1053101216](#) , [1053101316](#) ,
[1053121116](#) , [1053121216](#) , [1053121316](#) .
Nano-Fit Right-Angle Through Hole Headers
[1053141116](#) , [1053141216](#) , [1053141316](#) .
Nano-Fit Vertical SMT Headers [1054291116](#)
, [1054291216](#) , [1054291316](#) , [1054291416](#)
. Nano-Fit Right-Angle SMT Headers
[1054051116](#) , [1054051216](#) , [1054051316](#)
. Nano-Fit Plug Housings [2014441116](#) ,
[2014441216](#)

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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