

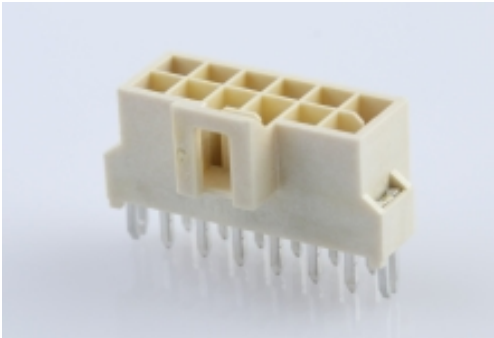
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Part Number: [1053122112](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 12 Circuits, with Solder Clips, Tin (Sn) Plating, Natural, Glow-Wire Capable, Tray

Documents:	
3D Model	Product Specification PS-105300-100-001 (PDF)
Drawing (PDF)	Application Specification AS-105300-100-001 (PDF)
3D Model (PDF)	Packaging Specification PK-105309-100-000 (PDF)
Product Specification 1053001000-PS-CH-000 (PDF)	Test Summary 1053001000-TS-000 (PDF)
Product Specification 1053001000-PS-ES-000 (PDF)	Datasheet (PDF)
Product Specification 1053001000-PS-JP-000 (PDF)	Symbol Footprint Data SYM-105312-XX12-001 (PDF)
Product Specification 1053001000-PS-SK-000 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Headers
Series	105312
Application	Power, Wire-to-Board
Overview	Nano-Fit Power Connectors
Packaging Alternative	1053124512
Product Name	Nano-Fit
Taxonomy	PCB Headers and Receptacles
UPC	887191931104

Physical	
Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	1.496/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm
Packaging Type	Tray
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes



Series image - Reference only

EU ELV	
Not Relevant	
EU RoHS	China 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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
[105312](#) Series

Mates With
Nano-Fit Receptacle Housing [1053082212](#)

Polarized to PCB	Yes
Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	8.0A
Voltage - Maximum	250V AC (RMS)/DC
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-105300-100-001
Packaging Specification	PK-105309-100-000
Product Specification	1053001000-PS-CH-000, 1053001000-PS-ES-000, 1053001000-PS-JP-000, 1053001000-PS-SK-000, PS-105300-100-001
Sales Drawing	SD-105312-100-000
Symbol/Footprint Data	SYM-105312-XX12-001
Test Summary	1053001000-TS-000

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