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Part Number: 1053142212
Status: Active
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 12 Circuits, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray



Series image - Reference only

Documents:

- 3D Model (PDF)
- 3D Model
- Drawing (PDF)
- Product Specification 1053001000-PS-CH-000 (PDF)
- Product Specification 1053001000-PS-ES-000 (PDF)
- Product Specification 1053001000-PS-JP-000 (PDF)
- Product Specification 1053001000-PS-SK-000 (PDF)
- Product Specification PS-105300-100-001 (PDF)
- Application Specification AS-105300-100-001 (PDF)
- Packaging Specification PK-105309-200-000 (PDF)
- Test Summary 1053000000-TS-000 (PDF)
- Datasheet (PDF)
- Symbol Footprint Data SYM-105314-XX12 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	105314
Application	Power, Wire-to-Board
Overview	Nano-Fit Power Connectors
Packaging Alternative	1053142712
Product Name	Nano-Fit
UPC	887191928791

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	50
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	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	1.290/g
Number of Rows	2
Orientation	Right Angle
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	0.381µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

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	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
105314 Series

Mates With
Nano-Fit Receptacle Housing 1053082212

Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +115°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	7.5A
Voltage - Maximum	250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification	AS-105300-100-001
Packaging Specification	PK-105309-200-000
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-105314-100-000
Symbol/Footprint Data	SYM-105314-XX12
Test Summary	1053000000-TS-000

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