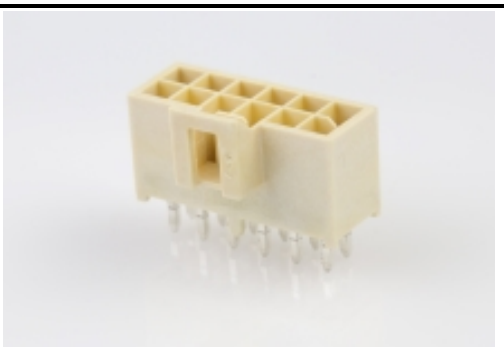
This document was generated on 09/06/2021

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Part Number: 1053102112
Status: Active
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 12 Circuits, with Kinked Pins, Tin (Sn) 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-105309-100-000 (PDF)
- Test Summary 1053001000-TS-000 (PDF)
- Datasheet (PDF)
- Symbol Footprint Data SYM-105310-XX12-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	105310
Application	Power, Wire-to-Board
Overview	Nano-Fit Power Connectors
Packaging Alternative	1053104512
Product Name	Nano-Fit
UPC	887191935317

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	1.070/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
Polarized to PCB	Yes

EU ELV
Not Relevant

EU RoHS | **China RoHS**
Compliant

REACH SVHC
Not Contained Per - D(2021)4569-DC (8 July 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
105310 Series

Mates With
Nano-Fit Receptacle Housing 1053082212

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	7.5A
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-105310-100-000
Symbol/Footprint Data	SYM-105310-XX12-001
Test Summary	1053001000-TS-000