



Part Number : [1053122212](#)

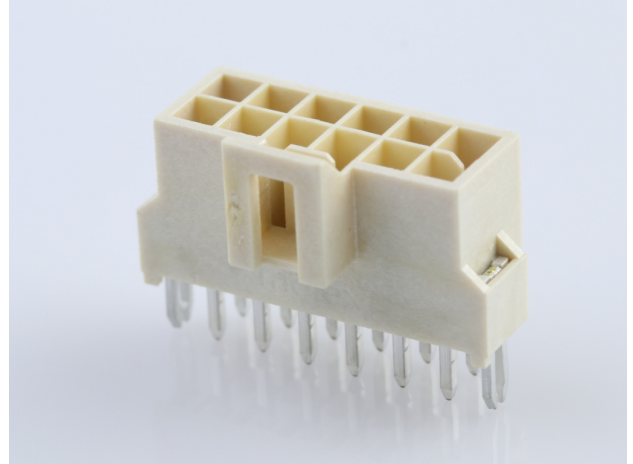
Product Description : Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 12 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray

Series Number : 105312

Status : Active

Product Category : PCB Headers and Receptacles

Packaging Alternative : [1053124712](#)
(Embossed Tape on Reel)



Documents & Resources

Drawings

[Drawing 1053122212_sd.pdf](#)

[Packaging Design Drawing PK-105309-100-000.pdf](#)

3D Models and Design Files

[3D Model 1053122212_stp.zip](#)

[Symbol Footprint Data SYM-105312-XX12-001.zip](#)

Specifications

[Application Specification AS-105300-100-001.pdf](#)

[Application Specification 1722990000-AS-000.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](#)

[Test Summary 1053000000-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21

REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	105312
Description	Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 12 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	887191931296

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	8.0A
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Voltage - Maximum	250V AC (RMS)/DC
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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	1.190/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm
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
Shrouded	Yes
Stackable	No
Temperature Range - Operating	-40° to +115°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 12 Circuits, Natural, Glow-Wire Capable	<u>1053082212</u>

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