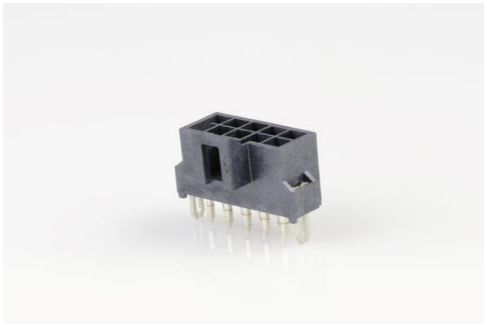
molex



Part Number : 1053123510
Product Description : Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 10 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tape and Reel, with Pick-and-Place Tape
Series Number : 105312
Status : Active
Product Category : PCB Headers and Receptacles
Packaging Alternative : 1053121110 (Tray)

Documents and Resources

Drawings

1053123510_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

1053001000-PS-CH-000.pdf

1053001000-PS-ES-000.pdf

1053001000-PS-JP-000.pdf

1053001000-PS-SK-000.pdf

PS-105300-100-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-

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	DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

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

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	105312
Description	Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 10 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tape and Reel, with Pick-and-Place Tape
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Nano-Fit
UPC	193264554614

Agency

CSA	LR19980
UL	E29179

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Electrical

Current - Maximum per Contact	8.0A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
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 (LCP)
Net Weight	1.036/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm
PC Tail Length	3.20mm
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
Robotic Placement	Vacuum Pick-Up Tape
Shrouded	Shrouded

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Stackable	No
Temperature Range - Operating	-40° to +125°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, 10 Circuits, Black, Glow-Wire Capable	1053081210

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