Part Number : 10321051
Product Description : 5.08mm Pitch SPOX Wire-to-Board Header, Vertical, with Friction Lock, 5 Circuits
Series Number : 5281
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : 5281-05A



Documents and Resources

Drawings

010321051_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PS-5197-001-001.pdf

PS-5197-003-001.pdf

PS-5197-004-001.pdf

PS-5281-002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
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-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

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- 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	5281
Description	5.08mm Pitch SPOX Wire-to-Board Header, Vertical, with Friction Lock, 5 Circuits
Application	Wire-to-Board
Component Type	PCB Header
Product Name	SPOX
UPC	800753611047

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	7.0A
Voltage - Maximum	250V

Physical

Breakaway	No
Circuits (Loaded)	5

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Circuits (maximum)	5
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	1970.500/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.60mm
Pitch - Mating Interface	5.08mm
Pitch - Termination Interface	5.08mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to PCB	No
Shrouded	Partially Shrouded
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Mates With / Use With

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Mates with Part(s)

Description	Part Number
SPOX 5.08mm Pitch Single Row Receptacle Housings	5197

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