



**Part Number :** [10321021](#)  
**Product Description :** 5.08mm Pitch SPOX  
Wire-to-Board Header, Vertical, with Friction  
Lock, 2 Circuits  
**Series Number :** 5281  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles  
**Engineering Number :** 5281-02A



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## Documents & Resources

### Drawings

[010321021\\_sd.pdf](#)

### 3D Models and Design Files

[010321021\\_stp.zip](#)

### Specifications

[PS-5197-001-001.pdf](#)

[PS-5197-003-001.pdf](#)


[PS-5197-004-001.pdf](#)

[PS-5281-002-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
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

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## 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, 2 Circuits
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	SPOX
UPC	800753611443

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

### Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural

Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	761.700/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	3.60mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	5.08mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
SPOX 5.08mm Pitch Single Row Receptacle Housings	<u>5197</u>

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