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**Part Number:** [0010321091](#)  
**Status:** **Active**  
**Overview:** SPOX Connector System  
**Description:** 5.08mm Pitch SPOX Wire-to-Board Header, Vertical, with Friction Lock, 9 Circuits

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-5197-003 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-5197-004 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Product Specification PS-5281-002-001 (PDF)</a>
<a href="#">Product Specification PS-5197-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">5281</a>
Application	Power, Wire-to-Board
Overview	<a href="#">SPOX Connector System</a>
Product Name	SPOX
UPC	800753611078

**Physical**

Breakaway	No
Circuits (Loaded)	9
Circuits (maximum)	9
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	3582.200/mg
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.60mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	5.08mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[5281](#) Series

**Mates With**

[5197](#) SPOX Crimp Housing

**Electrical**

Current - Maximum per Contact  
Voltage - Maximum

7.0A  
250V

**Material Info**

Engineering Number

5281-09A

**Reference - Drawing Numbers**

Product Specification

PS-5197-001, PS-5197-003, PS-5197-004,  
PS-5281-002-001

Sales Drawing

SD-5281-001-001

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