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

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                | <a href="#">Product Specification PS-5197-004 (PDF)</a>     |
| <a href="#">Drawing (PDF)</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>        |
| <a href="#">Product Specification PS-5197-003 (PDF)</a> |   |

**Agency Certification**

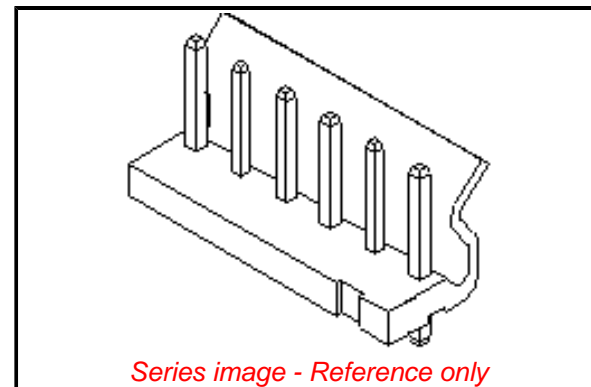
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                                     |
| Series         | <a href="#">5281</a>                            |
| Application    | Power, Wire-to-Board                            |
| Overview       | <a href="#">KK® Interconnect System - Molex</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   |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| Prop65          | Compliant     |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[5281](#) Series

**Mates With**

[5197](#) SPOX Crimp Terminal 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

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