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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:

| | |
|---|---|
| 3D Model | Product Specification PS-5197-004 (PDF) |
| Drawing (PDF) | Product Specification PS-5281-002-001 (PDF) |
| Product Specification PS-5197-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-5197-003 (PDF) | |

Agency Certification

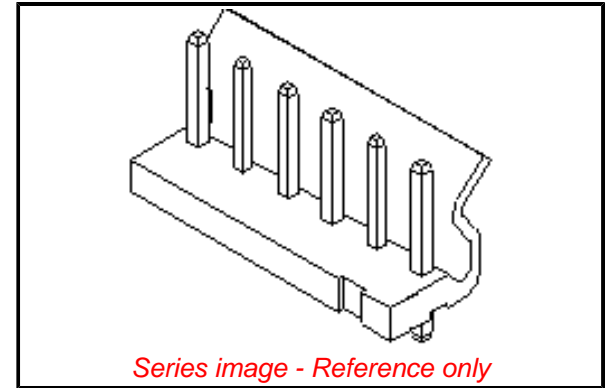
| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 5281 |
| Application | Power, Wire-to-Board |
| Overview | KK® Interconnect System - Molex |
| 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
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

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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