



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



Documents & Resources

Drawings

[Drawing 010321021_sd.pdf](#)

3D Models and Design Files

[3D Model 010321021.pdf](#)

[3D Model 010321021_stp.zip](#)

Specifications

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

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

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

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

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
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

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 Family	SPOX Connector System
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

Mates With / Use With

Mates with Part(s)

Description	Part Number
-------------	-------------

SPOX 5.08mm Pitch Single Row Receptacle Housings	<u>5197</u>
---	-------------

This document was generated on Sep 08, 2023