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**Part Number:** [0455780001](#)  
**Status:** **Active**  
**Overview:** SPOX BMI Connector System  
**Description:** 2.50mm Pitch SPOX BMI Header Assembly, Dual Row, Vertical, 6 Circuits, 2.57mm PC Tail

**Documents:**

[3D Model](#) [Product Specification PS-45579-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [45578](#)  
 Application Signal, Wire-to-Board  
 Overview [SPOX BMI Connector System](#)  
 Product Name SPOX BMI  
 UPC 822348068968

**Physical**

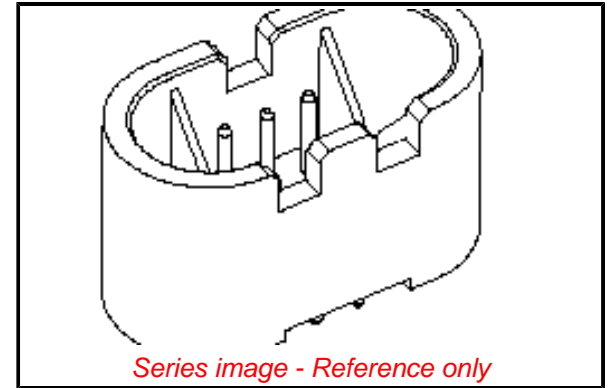
Breakaway No  
 Circuits (Loaded) 6  
 Circuits (maximum) 6  
 Durability (mating cycles max) 25  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Lock to Mating Part None  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Net Weight 1.358/g  
 Number of Rows 2  
 Orientation Vertical  
 PC Tail Length 2.57mm  
 PCB Locator Yes  
 PCB Retention None  
 PCB Thickness - Recommended 1.80mm  
 Packaging Type Bag  
 Pitch - Mating Interface 2.50mm  
 Plating min - Mating 2.540µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -40° to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 3.0A  
 Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 040  
 Lead-freeProcess Capability SMC&WAVE



**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

ELV

Prop65

RoHS Phthalates

Green Image

Not Relevant

Compliant

Not Contained

**Search Parts in this Series**

[45578](#) Series

**Mates With**

[45579](#)

Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-45579-001-001
Sales Drawing	SD-45578-001

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