



**Part Number :** [532590729](#)  
**Product Description :** Mighty-SPOX Header,  
3.50mm Pitch, Right-Angle, 7 Circuits, Brass (CuZn)  
Contact  
**Series Number :** 53259  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[532590729 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[SPK-53259-001-001.pdf](#)

[PS-51067-019-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                                              |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Not Low-Halogen per IEC<br>61249-2-21                                                                        |
| REACH SVHC         | Not Contained per D(2025)4165-DC<br>(25 June 2025)                                                           |
| EU RoHS            | Compliant per EU 2015/863                                                                                    |

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

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## Part Details

### General

|                |                                                                                 |
|----------------|---------------------------------------------------------------------------------|
| Status         | Active                                                                          |
| Category       | PCB Headers and Receptacles                                                     |
| Series         | 53259                                                                           |
| Description    | Mighty-SPOX Header, 3.50mm Pitch, Right-Angle, 7 Circuits, Brass (CuZn) Contact |
| Application    | Power, Wire-to-Board                                                            |
| Component Type | PCB Header                                                                      |
| Product Name   | Mighty-SPOX                                                                     |
| UPC            | 822348135424                                                                    |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5.5A |
| Voltage - Maximum             | 250V |

### Physical

|           |    |
|-----------|----|
| Breakaway | No |
|-----------|----|

|                                |                |
|--------------------------------|----------------|
| Circuits (Loaded)              | 7              |
| Circuits (maximum)             | 7              |
| Durability (mating cycles max) | 30             |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-0          |
| Glow-Wire Capable              | No             |
| Guide to Mating Part           | Yes            |
| Keying to Mating Part          | Yes            |
| Lock to Mating Part            | Yes            |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Tin            |
| Material - Plating Termination | Tin            |
| Net Weight                     | 2017.400/mg    |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| Packaging Type                 | Tray           |
| PCB Locator                    | Yes            |
| PCB Retention                  | None           |
| PCB Thickness - Recommended    | 1.60mm         |
| PC Tail Length                 | 3.50mm         |
| Pitch - Mating Interface       | 3.50mm         |
| Plating min - Termination      | 1.000µm        |
| Polarized to PCB               | Yes            |
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface Style    | Through Hole   |

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## Mates With / Use With

### Mates with Part(s)

| Description                        | Part Number  |
|------------------------------------|--------------|
| Mighty-SPOX Female Crimp Terminals | <u>50217</u> |
| Mighty-SPOX Receptacle Housings    | <u>51067</u> |

