

Part Number : [532580529](#)

Product Description : Mighty-SPOX Header,
3.50mm Pitch, Vertical, 5 Circuits, Brass (CuZn) Contact

Series Number : 53258

Status : Active

Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[532580529_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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


Specifications

[SPK-53258-001-001.pdf](#)

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

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| China RoHS |  per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)6375-DC (05 Nov 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

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 53258 |
| Description | Mighty-SPOX Header, 3.50mm Pitch, Vertical, 5 Circuits, Brass (CuZn) Contact |
| Application | Power, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | Mighty-SPOX |
| UPC | 822348254040 |

Agency

| | |
|----|--------|
| UL | E29179 |
|----|--------|

Electrical

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

Physical

| | |
|--------------------|----|
| Breakaway | No |
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 5 |

| | |
|--------------------------------|----------------|
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Net Weight | 1254.900/mg |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 3.50mm |
| Pitch - Mating Interface | 3.50mm |
| Plating min - Mating | 1.016µm |
| Plating min - Termination | 1.016µm |
| Polarized to PCB | No |
| Shrouded | Fully |
| 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 |
|---------------------------------|--------------|
| Mighty-SPOX Receptacle Housings | <u>51067</u> |

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