



Part Number : [532590429](#)
Product Description : Mighty-SPOX Header,
3.50mm Pitch, Right-Angle, 4 Circuits, Brass (CuZn)
Contact
Series Number : 53259
Status : Active
Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[532590429 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	 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)4165-DC (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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	53259
Description	Mighty-SPOX Header, 3.50mm Pitch, Right-Angle, 4 Circuits, Brass (CuZn) Contact
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Mighty-SPOX
UPC	822348135080

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
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Circuits (Loaded)	4
Circuits (maximum)	4
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	1257.900/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

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>

