



Part Number : [532580629](#)

Series Number : 53258

Product Category : PCB Headers and Receptacles

Product Description : Mighty-SPOX Header, 3.50mm Pitch, Vertical, 6 Circuits, Brass (CuZn) Contact

Status : Active

Documents & Resources

Drawings

[Drawing 532580629_sd.pdf](#)

3D Models and Design Files

[3D Model 532580629_stp.zip](#)

Specifications

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

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

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
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	53258
Description	Mighty-SPOX Header, 3.50mm Pitch, Vertical, 6 Circuits, Brass (CuZn) Contact
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Mighty-SPOX Connector System
Product Name	Mighty-SPOX
UPC	822348254057

Agency

UL	E29179
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Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
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	1470.800/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.50mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
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>