



**Part Number :** [532581429](#)  
**Product Description :** Mighty-SPOX Header, 3.50mm Pitch, Vertical, 14 Circuits, Brass (CuZn) Contact  
**Series Number :** 53258  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources


**Drawings**  
[532581429\\_sd.pdf](#)

**3D Models and Design Files**  
[532581429\\_stp.zip](#)

**Specifications**  
[SPK-53258-001-001.pdf](#)  
[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)6225-DC (07 Nov 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

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### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	53258
Description	Mighty-SPOX Header, 3.50mm Pitch, Vertical, 14 Circuits, Brass (CuZn) Contact
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Mighty-SPOX
UPC	822348288465

#### Agency

UL	E29179
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#### Electrical

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

#### Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
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	3197.700/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

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Mighty-SPOX Receptacle Housings	<u>51067</u>

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