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**Part Number:** [0532583002](#)  
**Status:** **Active**  
**Overview:** [Mighty-SPOX Connector System](#)  
**Description:** Mighty-SPOX Header, 3.50mm Pitch, Vertical, 2 Circuits, Phosphor Bronze (CuSn) Contact

**Documents:**

[3D Model](#) [Packaging Specification SPK-53258-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-51067-022-001 \(PDF\)](#)

**General**

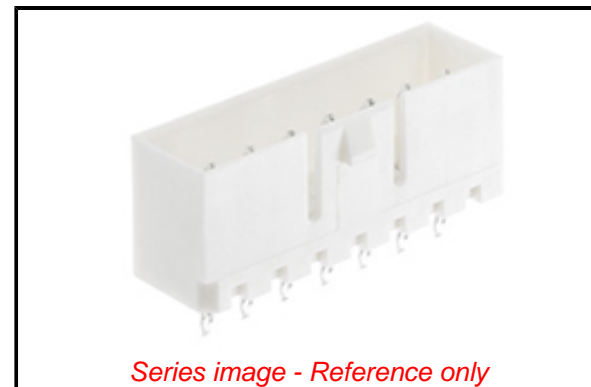
Product Family	PCB Headers
Series	<a href="#">53258</a>
3D Viewer	Yes
Application	Signal, Wire-to-Board
CURRENT-MAX-NUMERIC	4.5
Overview	<a href="#">Mighty-SPOX Connector System</a>
PITCH-MATING-NUMERIC	3.50
Product Name	Mighty-SPOX
UPC	822348807208

**Physical**

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural
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	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	670.700/mg
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.50mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
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

**Electrical**

Current - Maximum per Contact	4.5A
Voltage - Maximum	250V



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[53258 Series](#)

**Mates With**

[51067](#) Wire-to-Wire and Wire-to-Board  
Housing

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification  
Product Specification

SPK-53258-001-001  
PS-51067-022-001

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