Part Number : 532591229
Product Description : Mighty-SPOX Header, 3.50mm Pitch, Right-Angle, 12 Circuits, Brass (CuZn) Contact
Series Number : 53259
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

532591229_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)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

Downloaded from Arrow.com.

- 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, 12 Circuits, Brass (CuZn) Contact
Application	Wire-to-Board
Component Type	PCB Header
Product Name	Mighty-SPOX
UPC	822348135479

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No

Downloaded from Arrow.com.

Circuits (Loaded)	12
Circuits (maximum)	12
Durability (mating cycles max)	30
First Mate / Last Break	No
Gender	Male
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
Mounting Style	Through Hole
Net Weight	3283.300/mg
Number of Rows	1
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.50mm
Pitch - Mating Interface	3.50mm
Plating min - Mating	1.000µm
Plating min - Termination	1.000µm
Polarized to PCB	Yes
Shrouded	Shrouded
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	50217

Downloaded from Arrow.com.

Terminals	
Mighty-SPOX Receptacle Housings	51067

Downloaded from Arrow.com.