molex

Part Number : 532590929

Series Number : 53259

Product Category : PCB Headers and Receptacles

Product Description : Mighty-SPOX Header, 3.50mm Pitch, Right-Angle, 9 Circuits, Brass (CuZn) Contact

Status : Active

Documents & Resources

Drawings
Drawing 532590929_sd.pdf

3D Models and Design Files
3D Model 532590929_stp.zip

Specifications
Packaging Specification SPK-53259-001-001.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(2023)8585-DC (23 Jan 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	53259
Description	Mighty-SPOX Header, 3.50mm Pitch, Right-Angle, 9 Circuits, Brass (CuZn) Contact
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Mighty-SPOX Connector System
Product Name	Mighty-SPOX
UPC	822348135448

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	9
Circuits (maximum)	9
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	2523.800/mg
Number of Rows	1
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.50mm
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	50217
Mighty-SPOX Receptacle Housings	51067

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