molex



Part Number : 2016460141
Product Description : Spot-On Wire-to-Board Header with Nail, 1.50mm Pitch, Dual Row, Vertical, 14 Circuits, with Potting Capability, Matte Tin (Sn) Plating, Black
Series Number : 201646
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

2016460141_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

2016440000-A00.pdf

2016440000-A01.pdf

2016469200-200.pdf

2016440000-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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)

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EU RoHS	Compliant per EU 2015/863

Compliance Statements
- 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	201646
Description	Spot-On Wire-to-Board Header with Nail, 1.50mm Pitch, Dual Row, Vertical, 14 Circuits, with Potting Capability, Matte Tin (Sn) Plating, Black
Application	Signal, Wire-to-Board
Component Type	PCB Header
Keyword	Spot-On 1.5
Product Name	Spot-On
UPC	889056837729

Electrical

Current - Maximum per Contact	2.0A
Voltage - Maximum	100V AC (RMS)/DC

Physical

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Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Polyamide (PA)
Net Weight	1505.000/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	1.50mm
Pitch - Termination Interface	1.50mm
Plating min - Mating	1.000µm
Plating min - Termination	1.000µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Vacuum Pick-Up Area
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

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Description	Part Number
1.50mm Pitch Spot-On Wire-to-Board Dual Row Receptacle Housings	201644

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