



Part Number : [2016480040](#)

Product Description : Spot-On Wire-to-Board Header with Nail, 1.50mm Pitch, Single Row, Vertical, 4 Circuits, with Potting Capability, Matte Tin (Sn) Plating, Natural

Series Number : 201648

Status : Active

Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[2016480040 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[2016440000-A00.pdf](#)


[2016440000-A01.pdf](#)

[2016489200-200.pdf](#)

[2016470000-000.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)

EU RoHS	Compliant per EU 2015/863
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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	201648
Description	Spot-On Wire-to-Board Header with Nail, 1.50mm Pitch, Single Row, Vertical, 4 Circuits, with Potting Capability, Matte Tin (Sn) Plating, Natural
Application	Signal, Wire-to-Board
Component Type	PCB Header
Keyword	Spot-On 1.5
Product Name	Spot-On
UPC	889056815246

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural
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)
Number of Rows	1
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)

Description	Part Number
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1.50mm Pitch Spot-On Wire-to-Board Single Row Receptacle Housings	<u>201647</u>
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