



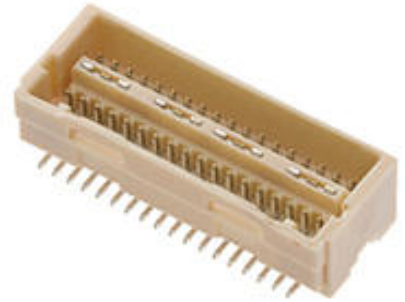
**Part Number :** [2016460180](#)

**Product Description :** Spot-On Wire-to-Board Header with Nail, 1.50mm Pitch, Dual Row, Vertical, 18 Circuits, with Potting Capability, Matte Tin (Sn) Plating, Natural

**Series Number :** 201646

**Status :** Obsolete

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[2016460180 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](#)

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## 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

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 ComplianceAdditional Product Compliance Information**Part Details****General**

|                |   |
|----------------|---|
| Status         | Obsolete  |
| Category       | PCB Headers and Receptacles   |
| Series         | 201646  |
| Description    | Spot-On Wire-to-Board Header with Nail, 1.50mm Pitch, Dual Row, Vertical, 18 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            | 889056835909  |

**Electrical**

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

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 18                    |
| Circuits (maximum)             | 18                    |
| 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             |
| Net Weight                     | 1848.000/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                       | Fully                 |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40° to +105°C        |
| Termination Interface Style    | Surface Mount         |

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## Mates With / Use With

### Mates with Part(s)

| Description   | Part Number   |
|---|---------------|
| 1.50mm Pitch Spot-On Wire-to-Board Dual Row Receptacle Housings | <u>201644</u> |

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Obsolete