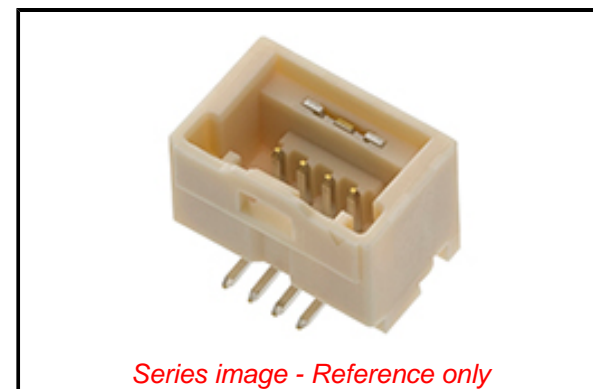


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [2016480040](#)  
**Status:** **Active**  
**Overview:** [Spot-On Wire-to-Board Connector System](#)  
**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

**Documents:**

|                                                            |                                                                |
|------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>                                   | <a href="#">Application Specification 2016440000-A00 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                              | <a href="#">Application Specification 2016440000-A01 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                             | <a href="#">Packaging Specification 2016489200-200 (PDF)</a>   |
| <a href="#">Product Specification 2016470000-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |



**General**

|                |                                                        |
|----------------|--------------------------------------------------------|
| Product Family | PCB Headers                                            |
| Series         | <a href="#">201648</a>                                 |
| Application    | Signal, Wire-to-Board                                  |
| Overview       | <a href="#">Spot-On Wire-to-Board Connector System</a> |
| Product Name   | Spot-On                                                |
| UPC            | 889056815246                                           |

**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             |
| Net Weight                     | 890.000/mg            |
| Number of Rows                 | 1                     |
| Orientation                    | Vertical              |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Packaging Type                 | Embossed Tape on Reel |
| 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         |

**Electrical**

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

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[201648 Series](#)

**Mates With**

Spot-On Receptacle Housing [201647](#)

**Material Info**

**Reference - Drawing Numbers**

|                           |                                |
|---------------------------|--------------------------------|
| Application Specification | 2016440000-A00, 2016440000-A01 |
| Packaging Specification   | 2016489200-200                 |
| Product Specification     | 2016470000-000                 |
| Sales Drawing             | 2016480001-000                 |

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