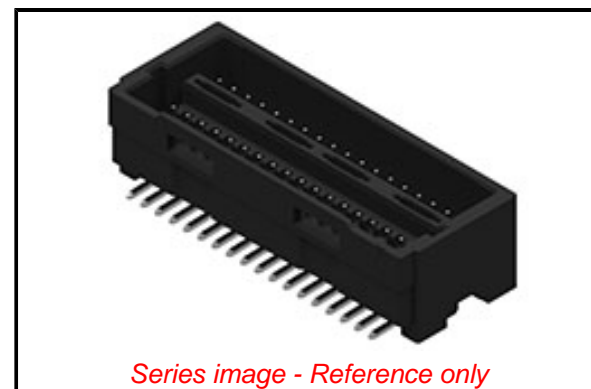


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [2016450401](#)  
**Status:** **Active**  
**Overview:** Spot-On Wire-to-Board Connector System  
**Description:** Spot-On Wire-to-Board Header without Nail, 1.50mm Pitch, Dual Row, Vertical, 40 Circuits, Matte Tin (Sn) Plating, Black

**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 2016459200-200 (PDF)</a>
<a href="#">Product Specification 2016440000-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



*Series image - Reference only*

**General**

Product Family	PCB Headers
Series	<a href="#">201645</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">Spot-On Wire-to-Board Connector System</a>
Product Name	Spot-On
UPC	889056837170

**Physical**

Breakaway	No
Circuits (Loaded)	40
Circuits (maximum)	40
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
Net Weight	3134.000/mg
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
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(2020)4578-DC (25  
June 2020)

**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**

[201645 Series](#)

**Mates With**

Spot-On Receptacle Housing [201644](#)

**Material Info**

**Reference - Drawing Numbers**

Application Specification	2016440000-A00, 2016440000-A01
Packaging Specification	2016459200-200
Product Specification	2016440000-000
Sales Drawing	2016450001-000

This document was generated on 09/29/2020

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