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**Part Number:** [5040501291](#)  
**Status:** **Active**  
**Overview:** Pico-Lock™ Connector System  
**Description:** 1.50mm Pitch Pico-Lock™ Surface Mount Wire-to-Board Header, Right Angle, 2.00mm Mated Height, Positive Side Locks, 12 Circuits

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family PCB Headers  
 Series [504050](#)  
 Application Wire-to-Board  
 Overview Pico-Lock™ Connector System  
 Product Name Pico-Lock™  
 UPC 887191541518

**Physical**

Breakaway No  
 Circuits (Loaded) 12  
 Circuits (maximum) 12  
 Color - Resin Black  
 Durability (mating cycles max) 30  
 First Mate / Last Break No  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part N/A  
 Lock to Mating Part Yes  
 Mated Height 2.00mm  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold over Nickel  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 260.100/mg  
 Number of Rows 1  
 Orientation Right Angle  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface 1.50mm  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Surface Mount

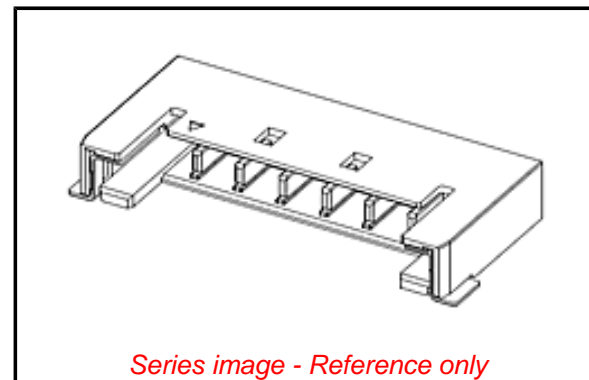
**Electrical**

Current - Maximum per Contact 2.0A  
 Voltage - Maximum 150V

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing SD-504050-001, SD-504050-002



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/79/2015 (17  
 December 2015)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
 environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

China ROHS  
 ELV

Green Image  
 Not Relevant

**Search Parts in this Series**

[504050 Series](#)

**Mates With**

[504051](#) Pico-Lock™ Crimp Housing