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**Part Number:** [0543065019](#)  
**Status:** **Active**  
**Description:** 1.27mm Pitch Wire-to-Board Plug, Dual Row, Solder Cup, for Shielded Plug Assembly, 50 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-52986-017-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-52986-016-001 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

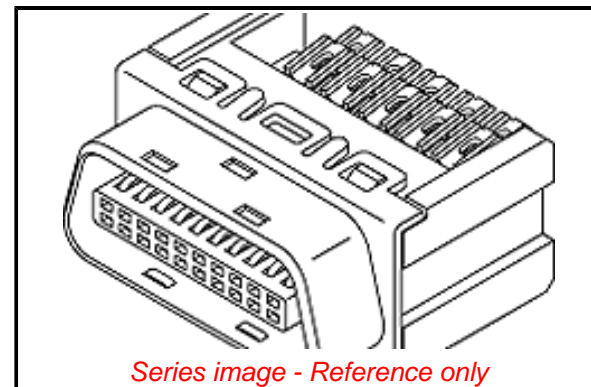
Product Family I/O Connectors  
 Series [54306](#)  
 Application Wire-to-Board  
 Component Type Plug  
 Product Name Leaf Style Contact  
 Type N/A  
 UPC 822348175994

**Physical**

Boot Color N/A  
 Circuits (Loaded) 50  
 Circuits (maximum) 50  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Gender Plug  
 Lock to Mating Part Yes  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Net Weight 7284.300/mg  
 Number of Rows 2  
 Orientation Vertical  
 PCB Locator No  
 PCB Retention N/A  
 Packaging Type Tray  
 Panel Mount No  
 Pitch - Mating Interface 1.27mm  
 Pitch - Termination Interface 1.27mm  
 Plating min - Mating 0.305µm  
 Plating min - Termination 1.016µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Ports 1  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -55° to +85°C  
 Termination Interface: Style Solder or Weld  
 Waterproof / Dustproof No  
 Wire Size AWG 24, 26, 28, 30

**Electrical**

Current - Maximum per Contact 1.0A  
 Shield Type Full Shield  
 Shielded Yes



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
 ED/61/2018 (27 June  
 2018)

**Halogen-Free**

**Status**

**Not 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	Green Image
ELV	Not Relevant
Prop65	Compliant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[54306 Series](#)

**Mates With**

[52822](#) , [52986](#) , [54122](#)

**Use With**

[54331](#)

Voltage - Maximum

250V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-52986-016-001, PS-52986-017-001

Sales Drawing

SD-54306-001

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