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**Part Number:** [52559-1853](#)  
**Status:** **Active**  
**Description:** 0.50mm Pitch FFC/FPC Connector, Vertical, SMT, ZIF, 18 Circuits, Lead-Free, Gold (Au) Contact Plating

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)

[Product Specification PS-52559-014 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**  
UL E29179

**General**  
Product Family FFC/FPC Connectors  
Series [52559](#)  
Product Name N/A  
UPC 822350045315

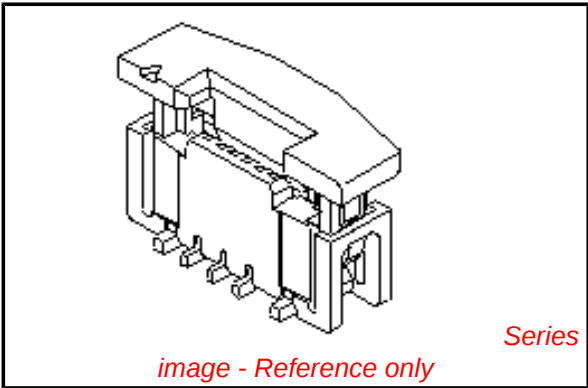
**Physical**  
Circuits (Loaded) 18  
Circuits (maximum) 18  
Color - Resin Natural  
Contact Position N/A  
Durability (mating cycles max) 20  
Entry Angle Vertical  
Flammability 94V-0  
Mated Height 3.90mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 251.764/mg  
Number of Rows 1  
Orientation Vertical  
PCB Locator No  
PCB Retention Yes  
Packaging Type Embossed Tape on Reel  
Pitch - Mating Interface 0.50mm  
Plating min - Mating 0.102µm  
Plating min - Termination 1.016µm  
Polarized to PCB No  
Stackable No  
Temperature Range - Operating -40°C to +85°C  
Termination Interface: Style Surface Mount  
Wire/Cable Type FFC/FPC

**Electrical**  
Current - Maximum per Contact 0.5A  
Voltage - Maximum 50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-52559-014, RPS-52559-062, RPS-52559-065, RPS-52559-078  
Sales Drawing SD-52559-048, SD-52559-050



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

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[52559Series](#)

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