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**Part Number:** [87568-4093](#)  
**Status:** **Active**  
**Overview:** Milli-Grid™ Connector System  
**Description:** 2.00mm Pitch Milli-Grid™ Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 40 Circuits, 0.38µm Gold (Au) Selective Plating, with Center Polarization Key and Locking Friction Ramp

**Documents:**

[3D Model](#) [Product Specification PS-87568-004 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family IDT and Solder Connectors  
 Series [87568](#)  
 Crimp Quality Equipment Yes  
 MolexKits Yes  
 Overview [Milli-Grid™ Connector System](#)  
 Product Name Milli-Grid™  
 UPC 822348458233  
 Use With [875691040](#) Strain Relief (Optional)

**Physical**

Circuits (Loaded) 40  
 Circuits (maximum) 40  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 Flammability 94V-0  
 Gender Female  
 Glow-Wire Compliant No  
 Lock to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Resin Polyester  
 Net Weight 2.281/g  
 Number of Rows 2  
 Packaging Type Tray  
 Panel Mount No  
 Pitch - Mating Interface 2.00mm  
 Polarized to Mating Part Yes  
 Stackable No  
 Temperature Range - Operating -20°C to +85°C  
 Termination Interface: Style IDT or Pierce  
 Wire Size AWG 28

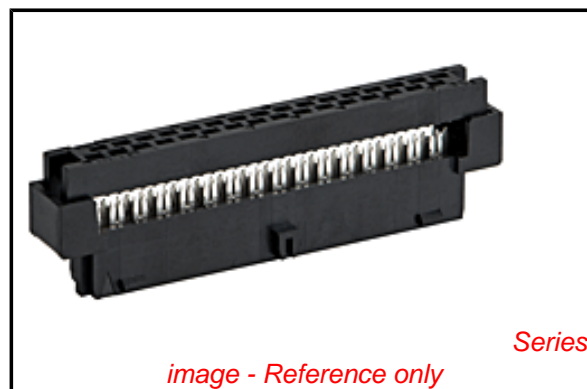
**Electrical**

Current - Maximum per Contact 1A  
 Voltage - Maximum 125V

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-87568-004  
 Sales Drawing SD-87568-003



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



**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.

**Search Parts in this Series**

[87568Series](#)

**Mates With**

[87831](#) Vertical PCB Header, [87832](#) Surface Mount PCB Header, [87833](#) Right Angle PCB Header

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description                                 | Product #                  |
|---|----------------------------|
| IDT - Manual - Handtool                     | <a href="#">0621002000</a> |
| Manual Press with IDT Ribbon Cable Tool Kit | <a href="#">0621002200</a> |
| IDT Ribbon Cable Adapter Kit for 2.00mm     | <a href="#">0621002400</a> |

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