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**Part Number:** **0875682093**  
**Status:** **Active**  
**Overview:** Milli-Grid™ Connector System  
**Description:** Milli-Grid™ Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 20 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 822348457755  
 Use With [87569-1020 Strain Relief \(Optional\)](#)

**Physical**

Circuits (Loaded) 20  
 Circuits (maximum) 20  
 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 1.241/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 1.0A  
 Voltage - Maximum 125V

**Solder Process Data**

Lead-freeProcess Capability N/A

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-87568-004



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**

**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

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[87568](#) Series

**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 - Tool Kit	<a href="#">0621003200</a>
Manual Press with IDT Ribbon Cable Tool Kit	<a href="#">0621002200</a>

IDT - Manual - Handtool	<u>0621002000</u>
IDT Ribbon Cable Adapter Kit for 2.00mm	<u>0621002400</u>

This document was generated on 03/02/2016

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