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**Part Number:** [0875684043](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid Connector System](#)  
**Description:** [Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 40 Circuits, 0.38µm Gold \(Au\) Selective Plating, with Center Polarization Key, without Locking Friction Ramp](#)

**Documents:**

[3D Model](#) [Application Specification 503940002-AS-000 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Packaging Specification PK-87568-0001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-87568-004-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family IDT and Solder Connectors  
 Series [87568](#)  
 Crimp Quality Equipment Yes  
 Overview [Milli-Grid Connector System](#)  
 Product Name Milli-Grid  
 UPC 822348458172  
 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 Capable No  
 Lock to Mating Part None  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Resin Polyester  
 Net Weight 2.198/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° to +85°C  
 Termination Interface: Style IDT or Pierce  
 Wire Size AWG 28

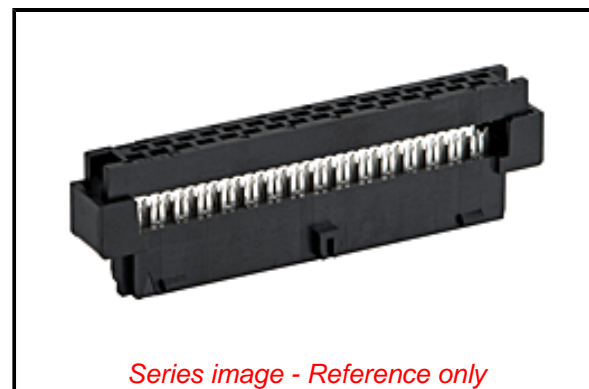
**Electrical**

Current - Maximum per Contact 1.0A  
 Voltage - Maximum 125V

**Solder Process Data**

Lead-freeProcess Capability N/A

**Material Info**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 D(2021)4569-DC (8  
 July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**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 - Handtool	<a href="#">621002000</a>
Manual Press with IDT Ribbon Cable Tool Kit	<a href="#">621002200</a>
IDT Ribbon Cable Adapter Kit for 2.00mm	<a href="#">621002400</a>

**Reference - Drawing Numbers**

Application Specification	503940002-AS-000
Packaging Specification	PK-87568-0001-001
Product Specification	PS-87568-004-001
Sales Drawing	SD-87568-003-001

IDT - Manual - Tool 621003200  
Kit

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