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**Part Number:** [0879331219](#)  
**Status:** **Active**  
**Overview:** Slim-Grid Board-to-Board Connectors  
**Description:** Slim-Grid Header, 12 Circuits, Surface Mount, Vertical, Unshrouded, 0.05µm Overall Gold (Au) Plated, with Pick-and-Place Cap, Tube, Lead-Free

**Documents:**

[Drawing \(PDF\)](#) [Datasheet \(PDF\)](#)  
[Product Specification 879330001-000 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification PK-89990-565-000 \(PDF\)](#)

**General**

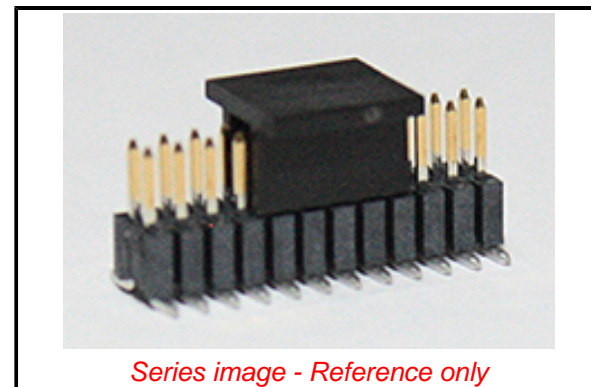
Product Family	PCB Headers
Series	<a href="#">87933</a>
Application	Board-to-Board, Signal
Comments	4.3 Amps per Pole with only 1 contact powered up   1.4 Amps per Pole with max contacts powered up
Overview	<a href="#">Slim-Grid Board-to-Board Connectors</a>
Product Name	Slim-Grid
Taxonomy	Board-to-Board Connectors
UPC	191128087780

**Physical**

Breakaway	Yes
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	0.204/g
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tube
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.051µm
Plating min - Termination	0.051µm
Polarized to Mating Part	No
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Shrouded	No
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	1.4A
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Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[87933 Series](#)

**Mates With**

Slim-Grid Receptacle (Gold Plated) [78120](#)

Voltage - Maximum 125V AC

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 011

Lead-free Process Capability REFLOW

Max. Cycles at Max. Process Temperature 001

Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-89990-565-000

Product Specification 879330001-000

Sales Drawing SD-87933-0001-000

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