

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [2009891220](#)  
**Status:** **Active**  
**Overview:** Slim-Grid Board-to-Board Connectors  
**Description:** Slim-Grid Header, 20 Circuits, Surface Mount, Vertical, Shrouded, 0.76µm Gold (Au) Plated, with Pick-and-Place Cap, Tube, Lead-Free

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification 2009890001-000 \(PDF\)](#) [Product Literature \(PDF\)](#)  
[Packaging Specification 2009890001-000 \(PDF\)](#)

**Agency Certification**

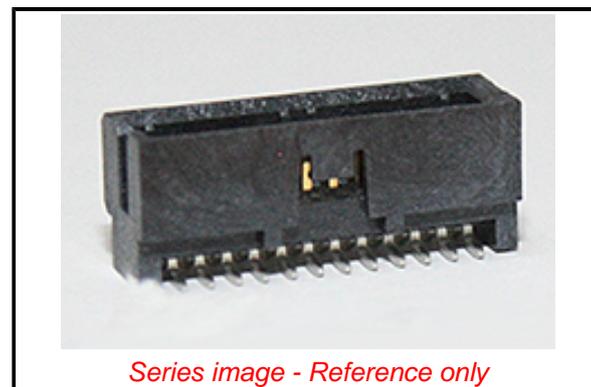
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [200989](#)  
 Application Board-to-Board, Signal  
 CURRENT-MAX-NUMERIC 1.4  
 Comments 4.3 Amps per Pole with only 1 contact powered up  
 <br><br>1.4 Amps per Pole with max contacts powered up, 4.3 Amps per Pole with only 1 contact powered up  
 <br><br>1.4 Amps per Pole with max contacts powered up  
 Overview [Slim-Grid Board-to-Board Connectors](#)  
 PITCH-MATING-NUMERIC 1.27  
 Product Literature Order No 987651-5972  
 Product Name Slim-Grid  
 UPC 889056883290

**Physical**

Breakaway No  
 Circuits (Loaded) 20  
 Circuits (maximum) 20  
 Color - Resin Black  
 Durability (mating cycles max) 500  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Guide to Mating Part Yes  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Matte Tin  
 Material - Resin Liquid Crystal Polymer  
 Net Weight 0.604/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 0.762µm  
 Plating min - Termination 2.000µm



Series image - Reference only

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/88/2018 (15  
 January 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Compliant

Not Contained

**Search Parts in this Series**

[200989](#) Series

**Mates With**

Slim-Grid Receptacle [78120](#)

Polarized to Mating Part	Yes
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Shrouded	Fully
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	1.4A
Voltage - Maximum	125V AC

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info****Reference - Drawing Numbers**

Packaging Specification	2009890001-000
Product Specification	2009890001-000
Sales Drawing	2009890024-000

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