

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

**Part Number:** [2010212012](#)  
**Status:** **Active**  
**Overview:** Slim-Grid Board-to-Board Connectors  
**Description:** Slim-Grid Header, 12 Circuits, Through Hole, Right-Angle, Shrouded, 0.05µm Gold (Au) Plated, 4.00mm Tail Length, without Peg, Tube, Lead-Free

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification 2009890001-000 \(PDF\)](#) [Product Literature \(PDF\)](#)  
[Packaging Specification 2010210001-000 \(PDF\)](#)

**General**

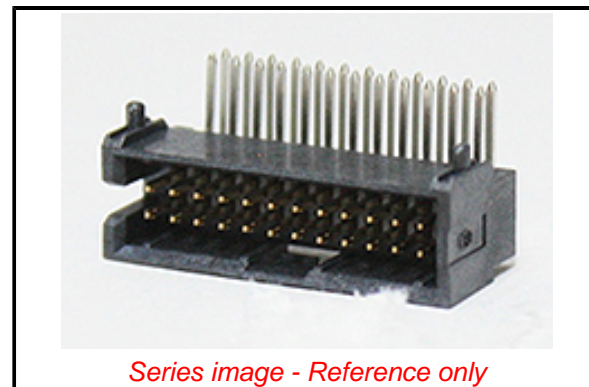
Product Family	PCB Headers
Series	<a href="#">201021</a>
Application	Board-to-Board, Signal
Comments	4.3 Amps per Pole with only 1 contact powered up   1.4 Amps per Pole with max contacts powered up
Overview	<a href="#">Slim-Grid Board-to-Board Connectors</a>
Product Name	Slim-Grid
UPC	889056921053

**Physical**

Breakaway	No
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	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	0.509/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	4.00mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	3.00mm
Packaging Type	Tube
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.051µm
Plating min - Termination	2.000µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Through Hole

**Electrical**

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

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

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

**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**

[201021 Series](#)

**Mates With**

Slim-Grid Receptacle [78120](#)

Voltage - Maximum 125V AC

**Solder Process Data**

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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification 2010210001-000  
Product Specification 2009890001-000  
Sales Drawing 2010210024-000

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