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**Part Number:** [2010210010](#)  
**Status:** **Active**  
**Overview:**  
**Description:** Slim-Grid Header, 10 Circuits, Through Hole, Right-Angle, Shrouded, 0.05µm Gold (Au) Plated, 1.60mm Tail Length, without Peg, Tube, Lead-Free

**Agency Certification**

CSA	LR19980
UL	E29179

**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	slimgrid
Product Name	Slim-Grid
UPC	889056905039

**Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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	0.421/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	1.60mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
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
Voltage - Maximum	125V AC

**EU ELV**

**Not Relevant**

**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

Not Relevant

Not Contained

**Search Parts in this Series**

[201021](#) Series

**Mates With**

Slim-Grid Receptacle [78120](#)

**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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