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**Part Number:** [2010222116](#)  
**Status:** **Active**  
**Overview:** [Slim-Grid Board-to-Board Connectors](#)  
**Description:** Slim-Grid Header, 16 Circuits, Through Hole, Vertical, Shrouded, 0.38µm Gold (Au) Plated, 4.00mm Tail Length, Tube, Lead-Free

**Documents:**

|                                                              |                                                      |
|--------------------------------------------------------------|------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification 2009890001-000 (PDF)</a>   | <a href="#">Product Literature (PDF)</a>             |
| <a href="#">Packaging Specification 2010220001-000 (PDF)</a> |                                                      |

**Agency Certification**

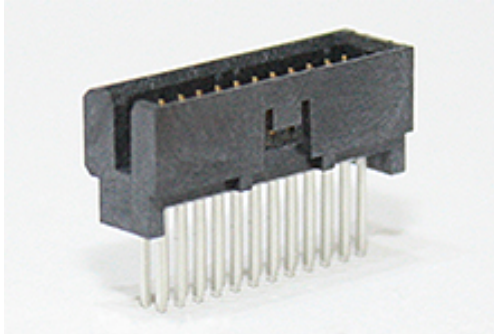
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                            |
| Series         | <a href="#">201022</a>                                                                                 |
| Application    | Board-to-Board, Signal                                                                                 |
| Comments       | 4.3 Amps per Pole with only 1 contact powered up<br><br>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            | 889056901710                                                                                           |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 16                     |
| Circuits (maximum)             | 16                     |
| 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                     | 0.537/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| PC Tail Length                 | 4.00mm                 |
| PCB Locator                    | No                     |
| PCB Retention                  | None                   |
| PCB Thickness - Recommended    | 3.00mm                 |
| Packaging Type                 | Tube                   |
| Pitch - Mating Interface       | 1.27mm                 |
| Pitch - Termination Interface  | 1.27mm                 |
| Plating min - Mating           | 0.381µm                |
| Plating min - Termination      | 2.000µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | No                     |
| Shrouded                       | Fully                  |



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**

**Low-Halogen**

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

**China RoHS**

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[201022](#) Series

**Mates With**

Slim-Grid Receptacle [78120](#)

|                                                |                |
|------------------------------------------------|----------------|
| Temperature Range - Operating                  | -55° to +105°C |
| Termination Interface: Style                   | Through Hole   |
| <b>Electrical</b>                              |                |
| Current - Maximum per Contact                  | 1.4A           |
| Voltage - Maximum                              | 125V AC        |
| <b>Solder Process Data</b>                     |                |
| Duration at Max. Process Temperature (seconds) | 010            |
| Lead-freeProcess Capability                    | WAVE           |
| Max. Cycles at Max. Process Temperature        | 001            |
| Process Temperature max. C                     | 260            |
| <b>Material Info</b>                           |                |
| <b>Reference - Drawing Numbers</b>             |                |
| Packaging Specification                        | 2010220001-000 |
| Product Specification                          | 2009890001-000 |
| Sales Drawing                                  | 2010220024-000 |

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