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**Part Number:** [0781200808](#)  
**Status:** **Active**  
**Overview:** [Slim-Grid Board-to-Board Connectors](#)  
**Description:** Slim-Grid Receptacle, 8 Circuits, Surface Mount, Vertical, 0.38µm Gold (Au) Plated, Tube, Lead-Free

**Documents:**

|                                                             |                                                      |
|-------------------------------------------------------------|------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                               | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification 781200001-000 (PDF)</a>   | <a href="#">Product Literature (PDF)</a>             |
| <a href="#">Packaging Specification 781200001-000 (PDF)</a> |                                                      |

**Agency Certification**

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

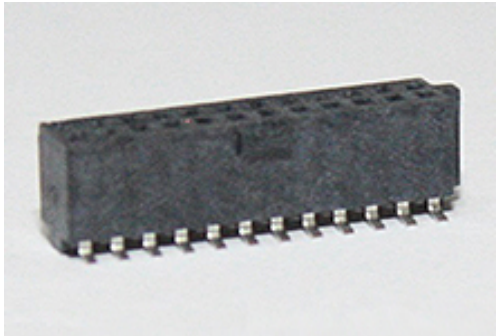
**General**

|                |                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------|
| Product Family | PCB Receptacles                                                                                        |
| Series         | <a href="#">78120</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            | 889056864817                                                                                           |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Circuits (Loaded)              | 8                      |
| Circuits (maximum)             | 8                      |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 500                    |
| 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                     | 0.118/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           | 0.381µm                |
| Plating min - Termination      | 2.540µm                |
| Polarized to Mating Part       | No                     |
| Polarized to PCB               | No                     |
| Temperature Range - Operating  | -55° to +105°C         |
| Termination Interface: Style   | Surface Mount          |
| Unmated Height                 | 4.51mm                 |

**Electrical**



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**

[78120](#) Series

**Mates With**

Slim-Grid Headers [87933](#) , [200989](#) , [201021](#)  
, [201022](#) , [201173](#)

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

**Material Info**

**Reference - Drawing Numbers**

|                         |               |
|-------------------------|---------------|
| Packaging Specification | 781200001-000 |
| Product Specification   | 781200001-000 |
| Sales Drawing           | 781200001-000 |

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