



Part Number : [781201007](#)

Product Description : Slim-Grid Receptacle, 10 Circuits, Surface Mount, Vertical, 0.05µm Gold (Au) Plated, Tube, Lead-Free

Series Number : 78120

Status : Active

Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

[781201007_sd.pdf](#)

[781200001-000.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)


[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[781200001-000.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS |  per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

[Compliance Statements](#)

- EU RoHS

- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 78120 |
| Description | Slim-Grid Receptacle, 10 Circuits, Surface Mount, Vertical, 0.05µm Gold (Au) Plated, Tube, Lead-Free |
| Application | Board-to-Board |
| Comments | 4.3 Amps per Pole with only 1 contact powered up; 1.4 Amps per Pole with max contacts powered up |
| Component Type | Receptacle |
| Product Name | Slim-Grid |
| UPC | 889056864930 |

Agency

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

Electrical

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

Physical

| | |
|--------------------------------|------------------------------|
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| Color - Resin | Black |
| Durability (mating cycles max) | 500 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Matte Tin |
| Material - Resin | Liquid Crystal Polymer (LCP) |
| Net Weight | 0.145/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tube |
| PCB Locator | No |
| PCB Retention | No |
| Pitch - Mating Interface | 1.27mm |
| Pitch - Termination Interface | 1.27mm |
| Plating min - Mating | 0.051µm |
| 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 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|----------------------------------|---------------|
| Slim-Grid Vertical Surface Mount | <u>200989</u> |

| | |
|---|---------------|
| Headers | |
| Slim-Grid Right-Angle Through Hole Headers | <u>201021</u> |
| Slim-Grid Vertical Through Hole Headers | <u>201022</u> |
| Slim-Grid Right-Angle Surface Mount Headers | <u>201173</u> |
| Slim-Grid Vertical Surface Mount Headers | <u>87933</u> |

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