

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

**Part Number:** [0781202407](#)  
**Status:** **Active**  
**Overview:** Slim-Grid Board-to-Board Connectors  
**Description:** Slim-Grid Receptacle, 24 Circuits, Surface Mount, Vertical, 0.05µm Gold (Au) Plated, Tube, Lead-Free

**Documents:**

[Drawing \(PDF\)](#) [Datasheet \(PDF\)](#)  
[Product Specification 781200001-000 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification 781200001-000 \(PDF\)](#)

**Agency Certification**

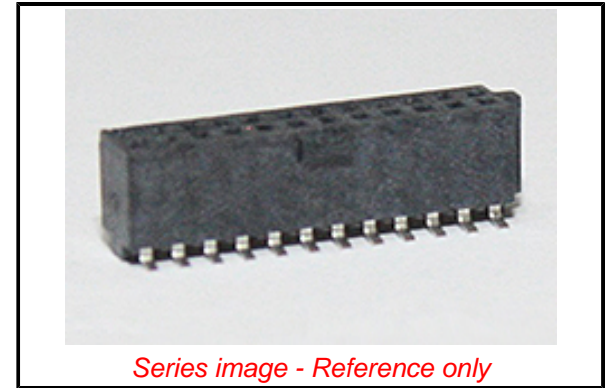
CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [78120](#)  
 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  
 Component Type PCB Receptacle  
 Overview [Slim-Grid Board-to-Board Connectors](#)  
 Product Name Slim-Grid  
 Taxonomy Board-to-Board Connectors  
 UPC 889056865159

**Physical**

Circuits (Loaded) 24  
 Circuits (maximum) 24  
 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 0.331/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 0.051µm  
 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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 D(2022)4187-DC (10  
 June 2022)

**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**

[78120 Series](#)

**Mates With**

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

**Electrical**

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

This document was generated on 01/03/2023

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