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Part Number: [2009890006](#)
Status: **Active**
Overview: Slim-Grid Board-to-Board Connectors
Description: Slim-Grid Header, 6 Circuits, Surface Mount, Vertical, Shrouded, 0.05µm Gold (Au) Plated, Tube, Lead-Free

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification 2009890001-000 \(PDF\)](#) [Product Literature \(PDF\)](#)
[Packaging Specification 2009890001-000 \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

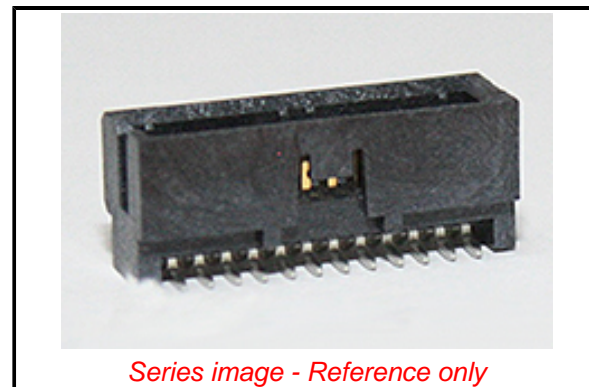
General

Product Family PCB Headers
 Series [200989](#)
 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 [Slim-Grid Board-to-Board Connectors](#)
 Product Name Slim-Grid
 UPC 889056881173

Physical

Breakaway No
 Circuits (Loaded) 6
 Circuits (maximum) 6
 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 0.261/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 2.000µm
 Polarized to Mating Part Yes
 Polarized to PCB No
 Shrouded Fully
 Temperature Range - Operating -55° to +105°C
 Termination Interface: Style Surface Mount



Series image - Reference only

EU ELV

Compliant

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

Green Image

Compliant

Not Contained

Search Parts in this Series

[200989](#) Series

Mates With

Slim-Grid Receptacle [78120](#)

Electrical

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

Solder Process Data

| | |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 010 |
| Lead-free Process Capability | REFLOW |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 260 |

Material Info**Reference - Drawing Numbers**

| | |
|-------------------------|----------------|
| Packaging Specification | 2009890001-000 |
| Product Specification | 2009890001-000 |
| Sales Drawing | 2009890024-000 |

This document was generated on 09/02/2021

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