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Part Number: [2009890012](#)
Status: **Active**
Overview: Slim-Grid Board-to-Board Connectors
Description: Slim-Grid Header, 12 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

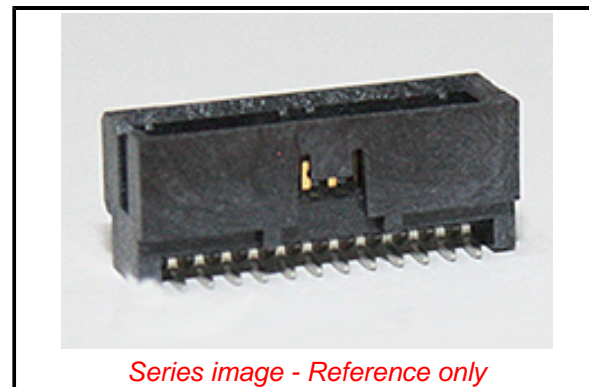
General

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 Literature Order No 987651-5972
 Product Name Slim-Grid
 UPC 889056881203

Physical

Breakaway No
 Circuits (Loaded) 12
 Circuits (maximum) 12
 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 0.409/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°C to +105°C



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/01/2018 (15
 January 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS Green Image
 ELV Compliant
 RoHS Phthalates Not Contained

Search Parts in this Series

[200989](#) Series

Mates With

Slim-Grid Receptacle [78120](#)

Termination Interface: Style Surface Mount

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 010
Lead-freeProcess 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

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