

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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)

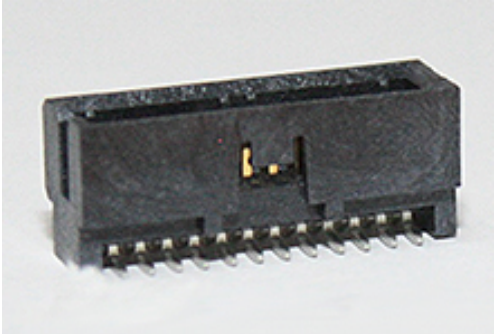
Product Specification 2009890001-000 (PDF)

Packaging Specification 2009890001-000 (PDF)

Datasheet (PDF)

RoHS Certificate of Compliance (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
Component Type	PCB Header
Overview	Slim-Grid Board-to-Board Connectors
Product Name	Slim-Grid
Taxonomy	Board-to-Board Connectors
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° to +105°C



Series image - Reference only

EU ELV

Compliant

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

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

This document was generated on 02/07/2023

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION