

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

2010212024

Status:

Active

Overview:

Slim-Grid Board-to-Board Connectors

Description:

Slim-Grid Header, 24 Circuits, Through Hole, Right-Angle, Shrouded, 0.05µm Gold (Au) Plated, 4.00mm Tail Length, without Peg, Tube, Lead-Free

Documents:

- [Drawing \(PDF\)](#)[Product Specification 2009890001-000 \(PDF\)](#)[Packaging Specification 2010210001-000 \(PDF\)](#)
- [Datasheet \(PDF\)](#)[RoHS Certificate of Compliance \(PDF\)](#)

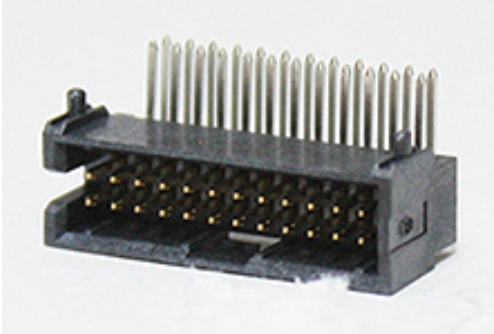
General

|                |                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                                |
| Series         | 201021                                                                                                     |
| Application    | Board-to-Board, Signal                                                                                     |
| Comments       | 4.3 Amps per Pole with only 1 contact powered up<br><br><br>1.4 Amps per Pole with max contacts powered up |
| Overview       | <a href="#">Slim-Grid Board-to-Board Connectors</a>                                                        |
| Product Name   | Slim-Grid                                                                                                  |
| Taxonomy       | Board-to-Board Connectors                                                                                  |
| UPC            | 889056921114                                                                                               |

Physical

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 24                     |
| Circuits (maximum)             | 24                     |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 500                    |
| First Mate / Last Break        | No                     |
| 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                     | 0.899/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Right Angle            |
| PC Tail Length                 | 4.00mm                 |
| PCB Locator                    | Yes                    |
| PCB Retention                  | Yes                    |
| PCB Thickness - Recommended    | 3.00mm                 |
| 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               | Yes                    |
| Shrouded                       | Fully                  |
| Temperature Range - Operating  | -55° to +105°C         |
| Termination Interface: Style   | Through Hole           |

Electrical



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

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

Not Contained

Search Parts in this Series

[201021](#) Series

Mates With

Slim-Grid Receptacle [78120](#)

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

**Solder Process Data**

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

**Material Info**

**Reference - Drawing Numbers**

|                         |                |
|-------------------------|----------------|
| Packaging Specification | 2010210001-000 |
| Product Specification   | 2009890001-000 |
| Sales Drawing           | 2010210024-000 |

This document was generated on 09/23/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**