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Part Number:

5019204001

Status:

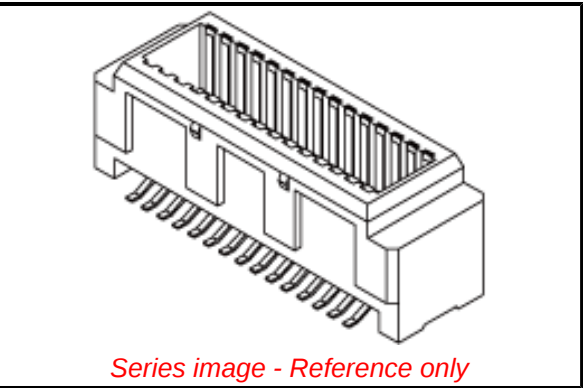
Active

Overview:

SlimStack Board-to-Board/Board-to-FPC Connectors

Description:

0.50mm Pitch SlimStack Board-to-Board Plug, Surface Mount, Dual Row, Vertical Stacking, 4.00mm Stack Height, without Solder Tabs, 40 Circuits



Documents:

3D Model

3D Model (PDF)

Drawing (PDF)

Product Specification PS-52991-008-001 (PDF)

Packaging Specification 5019209200-200 (PDF)

Datasheet (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Agency Certification           |                                                  |
| UL                             | E29179                                           |
| General                        |                                                  |
| Product Family                 | PCB Headers                                      |
| Series                         | 501920                                           |
| Application                    | Board-to-Board, Signal                           |
| Overview                       | SlimStack Board-to-Board/Board-to-FPC Connectors |
| Product Name                   | SlimStack                                        |
| Series Name                    | 0.5, BB H3/4                                     |
| UPC                            | 800756751757                                     |
| Physical                       |                                                  |
| Breakaway                      | No                                               |
| Circuits (Loaded)              | 40                                               |
| Circuits (maximum)             | 40                                               |
| Color - Resin                  | Black                                            |
| Durability (mating cycles max) | 30                                               |
| Glow-Wire Capable              | No                                               |
| Guide to Mating Part           | No                                               |
| Keying to Mating Part          | None                                             |
| Lock to Mating Part            | None                                             |
| Mated Height                   | 4.00mm                                           |
| Mated Width                    | 5.40mm                                           |
| Material - Metal               | Copper Alloy                                     |
| Material - Plating Mating      | Gold                                             |
| Material - Plating Termination | Tin                                              |
| Net Weight                     | 122.900/mg                                       |
| Number of Rows                 | 2                                                |
| Orientation                    | Vertical                                         |
| PCB Locator                    | No                                               |
| PCB Retention                  | None                                             |
| Packaging Type                 | Embossed Tape on Reel                            |
| Pitch - Mating Interface       | 0.50mm                                           |
| Polarized to Mating Part       | No                                               |
| Polarized to PCB               | No                                               |
| Surface Mount Compatible (SMC) | Yes                                              |
| Temperature Range - Operating  | -40° to +105°C                                   |
| Termination Interface: Style   | Surface Mount                                    |
| Electrical                     |                                                  |
| Current - Maximum per Contact  | 0.5A                                             |
| Voltage - Maximum              | 50V AC (RMS)/DC                                  |

Material Info

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2020)9139-DC (19 Jan 2021)              |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

501920 Series

Mates With

SlimStack Receptacle [52991](#) , [54167](#)

**Reference - Drawing Numbers**

|                         |                                      |
|-------------------------|--------------------------------------|
| Packaging Specification | 5019209200-200                       |
| Product Specification   | PS-52991-008-001                     |
| Sales Drawing           | SD-501920-001-001, SD-501920-002-001 |

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