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Part Number:

5042085010

Status:

Active

Overview:

SlimStack™ 0.40mm Pitch Board-to-Board Connectors

Description:

0.40mm Pitch SlimStack™ ST8 Board-to-Board Receptacle, Surface Mount, Dual Row, Vertical, 0.80mm Stacking Height, 50 Circuits

|                                           |                                               |
|-------------------------------------------|-----------------------------------------------|
| Documents:                                |                                               |
| 3D Model                                  | Application Specification AS-504208-001 (PDF) |
| Drawing (PDF)                             | Packaging Specification SPK-504208-001 (PDF)  |
| Product Specification PS-504208-001 (PDF) | RoHS Certificate of Compliance (PDF)          |

|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| General                        |                                                                           |
| Product Family                 | PCB Receptacles                                                           |
| Series                         | 504208                                                                    |
| Application                    | Board-to-Board, Signal                                                    |
| Overview                       | SlimStack™ 0.40mm Pitch Board-to-Board Connectors                         |
| Product Name                   | SlimStack™                                                                |
| UPC                            | 887191440484                                                              |
| Physical                       |                                                                           |
| Circuits (Loaded)              | 50                                                                        |
| Circuits (maximum)             | 50                                                                        |
| Color - Resin                  | Black                                                                     |
| Durability (mating cycles max) | 30                                                                        |
| Glow-Wire Compliant            | No                                                                        |
| Mated Height                   | 0.80mm                                                                    |
| Material - Metal               | Copper Alloy                                                              |
| Material - Plating Mating      | Gold                                                                      |
| Material - Plating Termination | Gold                                                                      |
| Material - Resin               | Liquid Crystal Polymer                                                    |
| Net Weight                     | 24.061/mg                                                                 |
| Number of Rows                 | 2                                                                         |
| Orientation                    | Vertical                                                                  |
| PCB Retention                  | Yes                                                                       |
| Packaging Type                 | Embossed Tape on Reel                                                     |
| Pitch - Mating Interface       | 0.40mm                                                                    |
| Polarized to PCB               | No                                                                        |
| Stackable                      | No                                                                        |
| Temperature Range - Operating  | -40°C to +85°C                                                            |
| Termination Interface: Style   | Surface Mount                                                             |
| Electrical                     |                                                                           |
| Current - Maximum per Contact  | 0.3A                                                                      |
| Voltage - Maximum              | 50V                                                                       |
| Material Info                  |                                                                           |
| Reference - Drawing Numbers    |                                                                           |
| Application Specification      | AS-504208-001                                                             |
| Packaging Specification        | SPK-504208-001                                                            |
| Product Specification          | PS-504208-001                                                             |
| Sales Drawing                  | SD-504208-001, SD-504208-002, SD-504208-004, SD-504248-002, SD-504248-004 |

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per -ED/79/2015 (17 December 2015)

Halogen-Free Status

Low-Halogen

Need more information on product environmental compliance?

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

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

504208 Series

Mates With

504248 SlimStack™ ST8 Board-to-Board Header

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