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Part Number:

0457190004

Status:

Active

Overview:

Edge Card Connectors

Description:

12.90mm Pitch EXTreme PowerEdge Connector, 2.36mm Thick PC Board, Mates to a 1.57mm Thick Card Edge or Bus Bar Tab

Documents:

3D Model

3D Model (PDF)

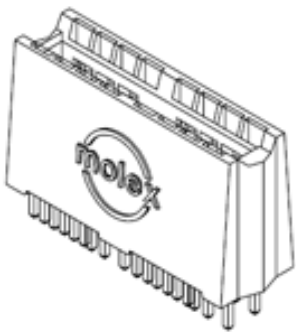
Drawing (PDF)

Product Specification PS-45719-001-001 (PDF)

Packaging Specification PK-45714-001-001 (PDF)

Test Summary TS-45844-001-001 (PDF)

RoHS Certificate of Compliance (PDF)



Series image - Reference only

|                                |                                   |
|--------------------------------|-----------------------------------|
| Agency Certification           |                                   |
| CSA                            | LR19980                           |
| TUV                            | R72090228                         |
| General                        |                                   |
| Product Family                 | Edge Card Connectors              |
| Series                         | 45714                             |
| Component Type                 | Edgecard to PCB                   |
| Data Rate                      | Unrated                           |
| Edge Card Thickness            | 1.57mm                            |
| High Power Bay (30.0A or more) | Yes                               |
| Orientation                    | Vertical                          |
| Overview                       | Edge Card Connectors              |
| Product Name                   | Bus Bar Socket, EXTreme PowerEdge |
| Standard Based                 | General                           |
| Taxonomy                       | Card Edge Connectors              |
| UPC                            | 822348678365                      |

|                                |                                |
|--------------------------------|--------------------------------|
| Physical                       |                                |
| (p)ower-(s)ignal Configuration | 4p - 0s                        |
| Circuit Size Range             | 1-64 Circuits                  |
| Circuits (Loaded)              | 4                              |
| Circuits (maximum)             | 4                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 200                            |
| Entry Angle                    | Vertical (Top Entry)           |
| Flammability                   | 94V-0                          |
| Keying to Mating Part          | N/A                            |
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 5.200/g                        |
| PC Tail Length                 | 3.63mm                         |
| PCB Thickness - Recommended    | 2.40mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 12.90mm                        |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 3.810µm                        |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface: Style   | Through Hole                   |

|                               |       |
|-------------------------------|-------|
| Electrical                    |       |
| Current - Maximum per Contact | 40.0A |
| Voltage - Maximum             | 250V  |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| 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

45714 Series

Mates With

1.58mm Double Sided Card Edge or Bus Bar Tab

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                         |                  |
|-------------------------|------------------|
| Packaging Specification | PK-45714-001-001 |
| Product Specification   | PS-45719-001-001 |
| Sales Drawing           | SD-45719-001-001 |
| Test Summary            | TS-45844-001-001 |

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