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Part Number:

0459120027

Status:

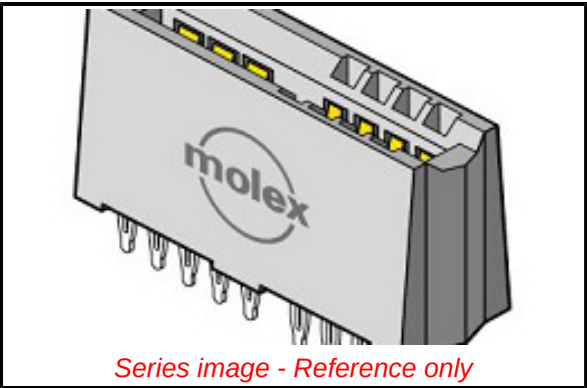
Active

Overview:

Edge Card Connectors

Description:

12.90mm Pitch EXTreme PowerEdge Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Power, Power, Signal, Signal Sequence), Press-Fit



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)

|                                |  |                                               |
|--------------------------------|--|-----------------------------------------------|
| Agency Certification           |  |                                               |
| CSA                            |  | LR19980                                       |
| UL                             |  | E29179                                        |
| General                        |  |                                               |
| Product Family                 |  | Edge Card Connectors                          |
| Series                         |  | 45912                                         |
| 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                   |  | EXTreme PowerEdge                             |
| Standard Based                 |  | General                                       |
| UPC                            |  | 822350709941                                  |
| Physical                       |  |                                               |
| (p)ower-(s)ignal Configuration |  | 2p - 2p - 8s - 8s                             |
| Circuit Size Range             |  | 1-64 Circuits                                 |
| Circuits (Loaded)              |  | 20                                            |
| Circuits (maximum)             |  | 20                                            |
| Color - Resin                  |  | Black                                         |
| Durability (mating cycles max) |  | 250                                           |
| Entry Angle                    |  | Vertical (Top Entry)                          |
| Flammability                   |  | 94V-0                                         |
| Keying to Mating Part          |  | N/A                                           |
| Material - Metal               |  | High Performance Alloy (HPA), Phosphor Bronze |
| Material - Plating Mating      |  | Gold                                          |
| Material - Plating Termination |  | Tin                                           |
| Material - Resin               |  | High Temperature Thermoplastic                |
| Net Weight                     |  | 8.684/g                                       |
| PC Tail Length                 |  | 4.50mm                                        |
| 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 - Compliant Pin                  |
| Electrical                     |  |                                               |
| Current - Maximum per Contact  |  | 3.0A, 40.0A                                   |
| Voltage - Maximum              |  | 250V                                          |
| Solder Process Data            |  |                                               |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2021)4569-DC (8 July 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

45912 Series

Mates With

1.58mm Double Sided Card Edge

Lead-free

Process Capability

N/A

**Material Info**

**Reference - Drawing Numbers**

|                         |                  |
|-------------------------|------------------|
| Packaging Specification | PK-45714-001-001 |
| Product Specification   | PS-45719-001-001 |
| Sales Drawing           | SD-45912-001-001 |
| Test Summary            | TS-45844-001-001 |

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