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**Part Number:** [0458440002](#)  
**Status:** **Active**  
**Overview:** [Edge Card Connectors](#)  
**Description:** 2.50mm Pitch EXTreme PowerEdge Signal Connector, Double Sided, 3 Segments or 2.36mm Thick PC Board

**Documents:**

|                                                              |                                                                |
|--------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification PK-45714-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Test Summary TS-45844-001-001 (PDF)</a>            |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification PS-45719-001-001 (PDF)</a> |                                                                |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                                |                                      |
|--------------------------------|--------------------------------------|
| Product Family                 | Edge Card Connectors                 |
| Series                         | <a href="#">45844</a>                |
| Component Type                 | Edgecard to PCB                      |
| Data Rate                      | Unrated                              |
| Edge Card Thickness            | 1.57mm                               |
| High Power Bay (30.0A or more) | No                                   |
| Orientation                    | Vertical                             |
| Overview                       | <a href="#">Edge Card Connectors</a> |
| Product Name                   | EXTreme PowerEdge                    |
| Standard Based                 | General                              |
| UPC                            | 822348846542                         |

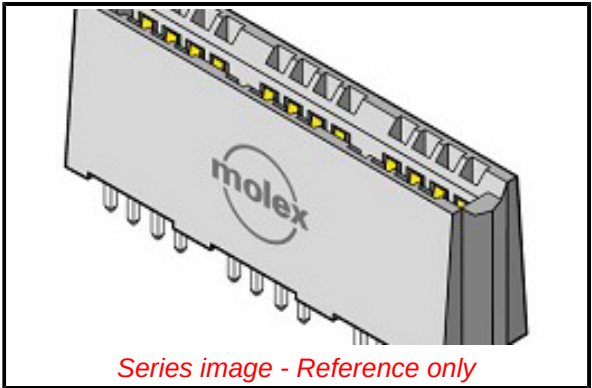
**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 24s - 0p                       |
| Circuit Size Range             | 1-64 Circuits                  |
| Circuits (Loaded)              | 24                             |
| Circuits (maximum)             | 24                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 250                            |
| Entry Angle                    | Vertical (Top Entry)           |
| Flammability                   | 94V-0                          |
| Keying to Mating Part          | N/A                            |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 4.801/g                        |
| PC Tail Length                 | 4.63mm                         |
| PCB Thickness - Recommended    | 2.40mm, 3.20mm                 |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 2.50mm                         |
| 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 | 3.0A |
| Voltage - Maximum             | 250V |

**Solder Process Data**



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[45844 Series](#)

**Mates With**

1.58mm Double Sided Card Edge

|                                                |                  |
|------------------------------------------------|------------------|
| Duration at Max. Process Temperature (seconds) | 005              |
| Lead-freeProcess Capability                    | WAVE             |
| Max. Cycles at Max. Process Temperature        | 001              |
| Process Temperature max. C                     | 245              |
| <b>Material Info</b>                           |                  |
| <b>Reference - Drawing Numbers</b>             |                  |
| Packaging Specification                        | PK-45714-001-001 |
| Product Specification                          | PS-45719-001-001 |
| Sales Drawing                                  | SD-45844-001-001 |
| Test Summary                                   | TS-45844-001-001 |

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