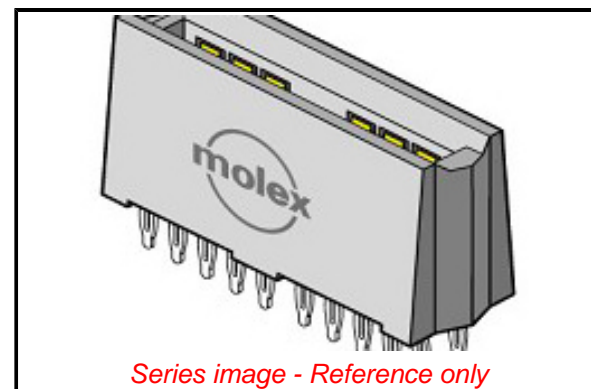


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0457140002](#)  
**Status:** **Active**  
**Overview:** [Edge Card Connectors](#)  
**Description:** 12.90mm Pitch EXTreme PowerEdge Connector, 3 Segments Thick Card Edge or Bus Bar Tab

**Documents:**

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



**Agency Certification**

|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72090228 |
| UL  | E29179    |

**General**

|                                |                                      |
|--------------------------------|--------------------------------------|
| Product Family                 | Edge Card Connectors                 |
| Series                         | <a href="#">45714</a>                |
| Component Type                 | Edgecard to PCB                      |
| Data Rate                      | Unrated                              |
| Edge Card Thickness            | 1.57mm                               |
| High Power Bay (30.0A or more) | Yes                                  |
| Orientation                    | Vertical                             |
| Overview                       | <a href="#">Edge Card Connectors</a> |
| Product Name                   | Bus Bar Socket, EXTreme PowerEdge    |
| Standard Based                 | General                              |
| UPC                            | 822348678334                         |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 6p - 0s                        |
| Circuit Size Range             | 1-64 Circuits                  |
| Circuits (Loaded)              | 6                              |
| Circuits (maximum)             | 6                              |
| 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                     | 7.511/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      | 2.540µm                        |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface: Style   | Through Hole - Compliant Pin   |

**Electrical**

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

**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

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

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-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-45714-001-001

Test Summary

TS-45844-001-001

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