

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

**Part Number:** [45912-0008](#)  
**Status:** **Active**  
**Overview:** Edge Card Connectors  
**Description:** 12.90mm Pitch EXTreme PowerEdge™, Mixed Power/Signal Card Edge Connector, Double Sided, 3 Segments (Power, Signal, Power Sequence), Press-Fit

**Documents:**

[3D Model](#) [Product Specification PS-45719-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

|     |          |
|-----|----------|
| CSA | LR19980  |
| TUV | 30482572 |
| UL  | E29179   |

**General**

|                |                                      |
|----------------|--------------------------------------|
| Product Family | Edge Card Connectors                 |
| Series         | <a href="#">45912</a>                |
| Component Type | Edgecard to PCB                      |
| Overview       | <a href="#">Edge Card Connectors</a> |
| Product Name   | EXTreme PowerEdge™                   |
| UPC            | 822350709880                         |

**Physical**

|                                |   |
|--------------------------------|---|
| (p)ower-(s)ignal Configuration | 2p - 8s - 2p                                  |
| Circuits (Loaded)              | 12  |
| Circuits (maximum)             | 12  |
| 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                     | 6.896/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°C to +105°C                               |
| Termination Interface: Style   | Through Hole - Compliant Pin                  |

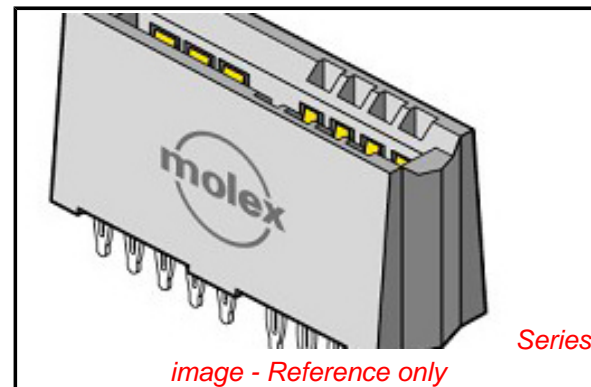
**Electrical**

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 3A, 40A |
| Voltage - Maximum             | 250V    |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-45719-001 |
| Sales Drawing         | SD-45912-001 |



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[45912Series](#)

**Mates With**

1.58mm Double Sided Card Edge

This document was generated on 01/04/2013

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**