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**Part Number:** [0458440005](#)  
**Status:** **Active**  
**Overview:** Edge Card Connectors  
**Description:** 2.50mm Pitch EXTreme PowerEdge, Signal Connector, Double Sided, 3 Segments Thick PC Board

**Documents:**

[3D Model](#) [Packaging Specification PK-45714-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Edge Card Connectors  
 Series 45844  
 Component Type Edgecard to PCB  
 Data Rate Unrated  
 Edge Card Thickness 1.57mm  
 High Power Bay (30.0A or more) No  
 Orientation Vertical  
 Overview [Edge Card Connectors](#)  
 Product Name EXTreme PowerEdge  
 Standard Based General  
 UPC 822350205627

**Physical**

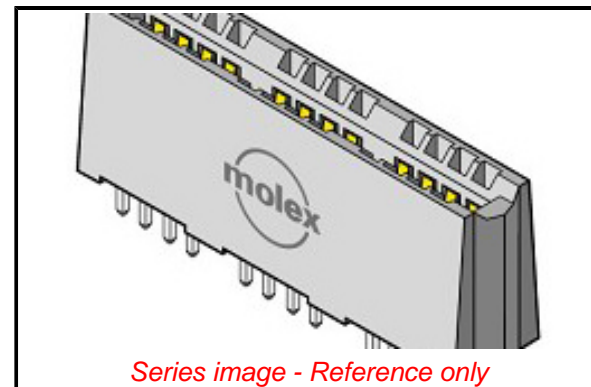
(p)ower-(s)ignal Configuration 24s - 0p  
 Circuit Size Range 1-64 Circuits  
 Circuits (Loaded) 24  
 Circuits (maximum) 24  
 Color - Resin Black  
 Durability (mating cycles max) 250  
 Entry Angle Vertical (Top Entry)  
 Flammability 94V-0  
 Keying to Mating Part N/A  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 4.681/g  
 PC Tail Length 3.19mm  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 2.50mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 3.810µm  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 3.0A  
 Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005  
 Lead-freeProcess Capability WAVE



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2017 (12  
 January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

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

Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	245

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-45714-001
Sales Drawing	SD-45844-001, SD-45844-002

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