

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

**Part Number:** [0458450001](#)  
**Status:** **Active**  
**Overview:** Edge Card Connectors  
**Description:** 2.50mm Pitch EXTreme PowerEdge, Signal Connector, Double Sided, 2 Segments, 8 Signal Contacts per Segment, Press-Fit

**Documents:**

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

**Agency Certification**

CSA LR19980  
TUV 30482572

**General**

Product Family Edge Card Connectors  
Series [45845](#)  
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 822348846528

**Physical**

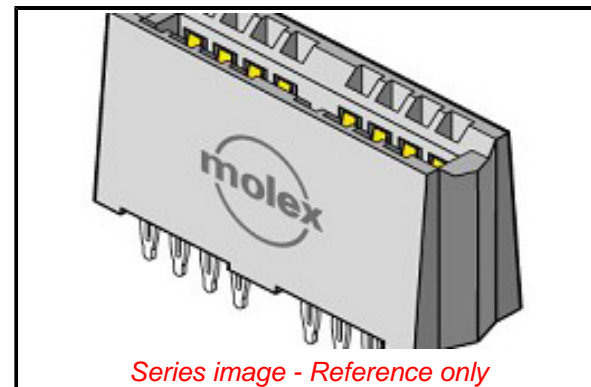
(p)ower-(s)ignal Configuration 16s - 0p  
Circuit Size Range 1-64 Circuits  
Circuits (Loaded) 16  
Circuits (maximum) 16  
Color - Resin Black  
Durability (mating cycles max) 250  
Entry Angle Vertical (Top Entry)  
Flammability 94V-0  
Keying to Mating Part N/A  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 3.382/g  
PC Tail Length 4.50mm  
PCB Thickness - Recommended 2.40mm  
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 - Compliant Pin

**Electrical**

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

**Solder Process Data**

Lead-freeProcess Capability N/A



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**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**

[45845 Series](#)

**Mates With**

1.58mm Double Sided Card Edge

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification  
Sales Drawing

PK-45714-001  
SD-45845-001

This document was generated on 07/16/2018

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