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Part Number: [0458440001](#)
Status: **Active**
Overview: Edge Card Connectors
Description: 2.50mm Pitch EXTreme PowerEdge, Signal Connector, Double Sided, 2 Segments or 2.36mm 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 822348848010

Physical

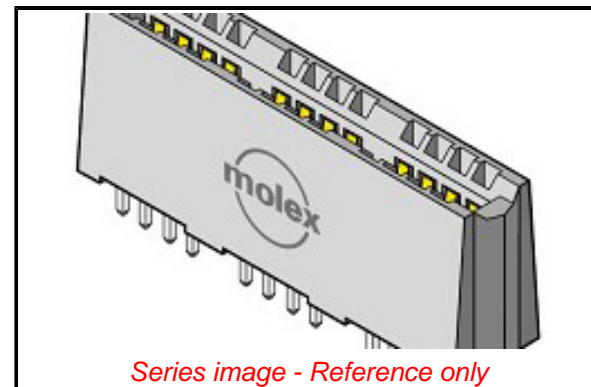
(p)ower-(s)ignal Configuration 16s - 0p
 Circuit Size Range 1-64 Circuits
 Circuits (Loaded) 16
 Circuits (maximum) 16
 Color - Resin Black
 Durability (mating cycles max) 250
 Entry Angle Vertical (Top Entry)
 Flammability 94V-0
 Keying to Mating Part N/A
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 3.350/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°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/01/2018 (15
 January 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email 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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