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Part Number: [45844-0001](#)
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](#) [Product Specification PS-45719-001 \(PDF\)](#)
[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
 Overview [Edge Card Connectors](#)
 Product Name EXTreme PowerEdge™
 UPC 822348848010

Physical

(p)ower-(s)ignal Configuration 16s - 0p
 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 3A
 Voltage - Maximum 250V

Solder Process Data

Duration at Max. Process Temperature (seconds) 5
 Lead-free Process Capability Wave Capable (TH only)
 Max. Cycles at Max. Process Temperature 1
 Process Temperature max. C 245

Material Info

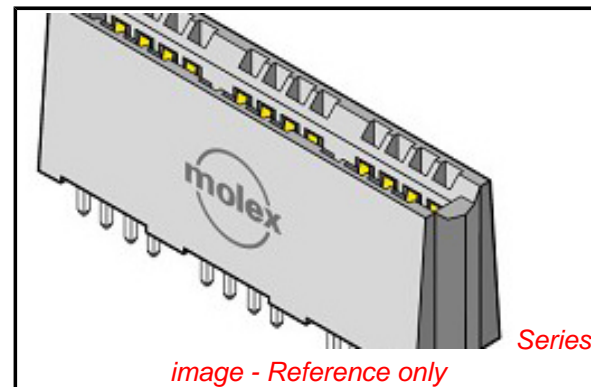


image - Reference only

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
 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

45844Series

Mates With

1.58mm Double Sided Card Edge

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-45719-001
SD-45844-001

This document was generated on 11/20/2012

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