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Part Number:

0459110042

Status:

Active

Description:

12.90mm (.508") Pitch EXTreme PowerEdge™, Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Power, Signal, Power, Signal Sequence), Through Hole Solder for 1.57mm (.062") Thick PC Board

Documents:

3D Model

Product Specification PS-45719-001 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Edge Card Connectors

Series

45911

Component Type

Edgecard to PCB

Product Name

EXTreme PowerEdge™

Physical

Circuits (Loaded)

20

Circuits (maximum)

20

Circuits Detail

2 Power, 8 Signal, 2 Power, 8 Signal

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

PC Tail Length (in)

0.126 In

PC Tail Length (mm)

3.19 mm

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.60 mm

Packaging Type

Tray

Pitch - Mating Interface (in)

0.508 In

Pitch - Mating Interface (mm)

12.90 mm

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.75

Plating min: Termination (µin)

150

Plating min: Termination (µm)

3.75

Temperature Range - Operating

-40°C to +105°C

Termination Interface: Style

Through Hole

Electrical

CSA

LR 19980

Current - Maximum

3A

Current - Maximum

40A

TUV

30482572.001

UL

E29179

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

250

Material Info

Series image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

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

Search Parts in this Series
45911 Series

Mates With
1.58mm (.062") double sided card edge

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-45719-001

SD-45911-001

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