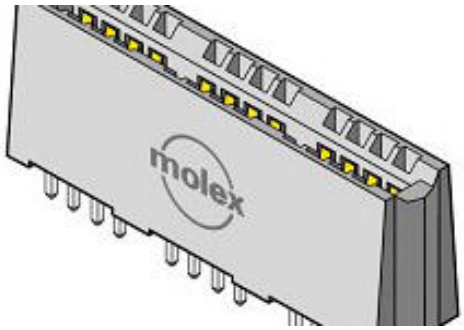
Part Number : 458440004
Product Description : 2.50mm Pitch EXTreme PowerEdge Signal Connector, Double Sided, 2 Segments Thick PC Board
Series Number : 45844
Status : Active
Product Category : Card Edge Connectors



Documents and Resources

Drawings

458440004_sd.pdf

PK-45714-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PS-45719-001-001.pdf

TS-45844-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Card Edge Connectors
Series	45844
Description	2.50mm Pitch EXTreme PowerEdge Signal Connector, Double Sided, 2 Segments Thick PC Board
Component Type	Edgecard to PCB
Product Name	EXTreme PowerEdge
UPC	822350205610

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	3.0A
Data Rate	Unrated
High Power Bay (30.0A or more)	No
Voltage - Maximum	250V

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Physical

Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Black
Durability (mating cycles max)	250
Edge Card Thickness	1.57mm
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	3.270/g
Orientation	Vertical
Packaging Type	Tray
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.19mm
Pitch - Mating Interface	2.50mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
(p)ower-(s)ignal Configuration	16s - 0p
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	245

Mates With / Use With

Mates with Part(s)

Description	Part Number

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Mates With	1.58mm Double Sided Card Edge

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