



Part Number : [457140001](#)

Product Description : 12.90mm Pitch EXTreme PowerEdge Connector, 2 Segments Thick Card Edge or Bus Bar Tab

Series Number : 45714

Status : Active

Product Category : Card Edge Connectors

Documents & Resources

Drawings

[Drawing 457140001_sd.pdf](#)

[Packaging Design Drawing PK-45714-001-001.pdf](#)

3D Models and Design Files

[3D Model 457140001_stp.zip](#)


Specifications

[Product Specification PS-45719-001-001.pdf](#)

[Test Summary TS-45844-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

[Multiple Part Industry Compliance Documents](#)

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Card Edge Connectors
Series	45714
Description	12.90mm Pitch EXTreme PowerEdge Connector, 2 Segments Thick Card Edge or Bus Bar Tab
Component Type	Edgecard to PCB
Product Family	Edge Card Connectors
Product Name	Bus Bar Socket,EXTreme PowerEdge
Standard Based	General
UPC	822348678327

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	40.0A
Data Rate	Unrated
High Power Bay (30.0A or more)	Yes
Voltage - Maximum	250V

Physical

Circuit Size Range	1-64 Circuits
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	200
Edge Card Thickness	1.57mm

Entry Angle	Vertical (Top Entry)
Flammability	94V-0
Keying to Mating Part	N/A
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.100/g
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	4.50mm
PCB Thickness - Recommended	2.40mm
Pitch - Mating Interface	12.90mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
(p)ower-(s)ignal Configuration	4p - 0s
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	1.58mm Double Sided Card Edge or Bus Bar Tab

This document was generated on Jul 30, 2024