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Part Number:

0457190003

Status:

Active

Overview:

Edge Card Connectors

Description:

12.90mm Pitch EXTreme PowerEdge™, Through Hole Solder for 3.18mm Thick PC Board, Mates to a 1.57mm Thick Card Edge or Bus Bar Tab

Documents:

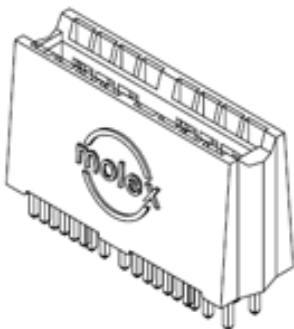
3D Model

Drawing (PDF)

Packaging Specification PK-45714-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| Agency Certification                           |                                    |
| CSA                                            | LR19980                            |
| TUV                                            | R72090228                          |
| General                                        |                                    |
| Product Family                                 | Edge Card Connectors               |
| Series                                         | 45719                              |
| Circuit Size Range                             | 1-64 Circuits                      |
| Component Type                                 | Edgecard to PCB                    |
| Data Rate                                      | Unrated                            |
| Edge Card Thickness                            | 1.57mm                             |
| High Power Bay (30.0A or more)                 | Yes                                |
| Orientation                                    | Vertical                           |
| Overview                                       | Edge Card Connectors               |
| Product Name                                   | Bus Bar Socket, EXTreme PowerEdge™ |
| Standard Based                                 | General                            |
| UPC                                            | 822348678556                       |
| Physical                                       |                                    |
| (p)ower-(s)ignal Configuration                 | 8p - 0s                            |
| Circuits (Loaded)                              | 8                                  |
| Circuits (maximum)                             | 8                                  |
| Color - Resin                                  | Black                              |
| Durability (mating cycles max)                 | 200                                |
| 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                                     | 9.864/g                            |
| PC Tail Length                                 | 4.50mm                             |
| PCB Thickness - Recommended                    | 3.20mm                             |
| Packaging Type                                 | Tray                               |
| Pitch - Mating Interface                       | 12.90mm                            |
| 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                  | 40.0A                              |
| 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

China RoHS

Compliant

REACH SVHC

Not Contained Per -

ED/30/2017 (7 July

2017)

Halogen-Free

Status

Low-Halogen

Need more information on product

environmental compliance?

Email [productcompliance@molex.com](mailto: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

45719 Series

Mates With

1.58mm Double Sided Card Edge or Bus

Bar Tab

|                                         |     |
|-----------------------------------------|-----|
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C              | 250 |

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-45714-001 |
| Sales Drawing           | SD-45719-001 |

This document was generated on 08/30/2017

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