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Part Number:

1721590607

Status:

Active

Overview:

EdgeMate Wire-to-Edge-Card Power Connector

Description:

3.96mm Pitch EdgeMate Wire-to-Board Edge Card Connector, Female, Nylon 6/6, White, UL94-V2, with Positive Lock, 7 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-172160-0001-001 (PDF)

Packaging Specification PK-172159-0001-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                         |
| UL                             | E29179                                                                                  |
| General                        |                                                                                         |
| Product Family                 | Edge Card Connectors                                                                    |
| Series                         | 172159                                                                                  |
| Comments                       | See Product Specification for maximum current rating by wire AWG and terminal material. |
| Component Type                 | Edgecard to Wire                                                                        |
| Data Rate                      | Unrated                                                                                 |
| Edge Card Thickness            | N/A                                                                                     |
| High Power Bay (30.0A or more) | No                                                                                      |
| Orientation                    | Right Angle                                                                             |
| Overview                       | EdgeMate Wire-to-Edge-Card Power Connector                                              |
| Product Name                   | EdgeMate                                                                                |
| Standard Based                 | General                                                                                 |
| UPC                            | 887191569949                                                                            |
| Physical                       |                                                                                         |
| (p)ower-(s)ignal Configuration | 7p - 0s                                                                                 |
| Circuit Size Range             | 1-64 Circuits                                                                           |
| Circuits (Loaded)              | 7                                                                                       |
| Circuits (maximum)             | 7                                                                                       |
| Color - Resin                  | White                                                                                   |
| Durability (mating cycles max) | 25                                                                                      |
| Entry Angle                    | 90° Angle                                                                               |
| Flammability                   | 94V-2                                                                                   |
| Keying to Mating Part          | Yes                                                                                     |
| Material - Plating Mating      | N/A                                                                                     |
| Material - Resin               | Nylon                                                                                   |
| Net Weight                     | 2.880/g                                                                                 |
| PCB Locator                    | Yes                                                                                     |
| PCB Retention                  | Yes                                                                                     |
| PCB Thickness - Recommended    | 1.57mm                                                                                  |
| Packaging Type                 | Bag                                                                                     |
| Panel Mount                    | No                                                                                      |
| Pitch - Mating Interface       | 3.96mm                                                                                  |
| Polarized to Mating Part       | Polarizing Ribs                                                                         |
| Temperature Range - Operating  | -40°C to +105°C, -40°C to +80°C                                                         |
| Termination Interface: Style   | Straddle Mount-Edge Card                                                                |
| Electrical                     |                                                                                         |
| Current - Maximum per Contact  | 7.0A                                                                                    |
| Voltage - Maximum              | 250V                                                                                    |
| Solder Process Data            |                                                                                         |
| Lead-freeProcess Capability    | N/A                                                                                     |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per

-ED/01/2018 (15

January 2018)

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

172159 Series

Mates With

Edge Card PCB

Use With

172160

**Material Info**

**Reference - Drawing Numbers**

|                         |                    |
|-------------------------|--------------------|
| Packaging Specification | PK-172159-0001-001 |
| Product Specification   | PS-172160-0001-001 |
| Sales Drawing           | SD-172159-0002-000 |

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