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Part Number:

1721590503

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, 3 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., 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                            | 887191569826                                                                                                                                                                     |
| Physical                       |                                                                                                                                                                                  |
| (p)ower-(s)ignal Configuration | 3p - 0s                                                                                                                                                                          |
| Circuit Size Range             | 1-64 Circuits                                                                                                                                                                    |
| Circuits (Loaded)              | 3                                                                                                                                                                                |
| Circuits (maximum)             | 3                                                                                                                                                                                |
| Color - Resin                  | White                                                                                                                                                                            |
| Durability (mating cycles max) | 25                                                                                                                                                                               |
| Entry Angle                    | 90° Angle                                                                                                                                                                        |
| Flammability                   | 94V-2                                                                                                                                                                            |
| Keying to Mating Part          | None                                                                                                                                                                             |
| Material - Plating Mating      | N/A                                                                                                                                                                              |
| Material - Resin               | Nylon                                                                                                                                                                            |
| Net Weight                     | 1.660/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       | No                                                                                                                                                                               |
| Temperature Range - Operating  | -40° to +105°C, -40° to +80°C                                                                                                                                                    |
| Termination Interface: Style   | Straddle Mount-Edge Card                                                                                                                                                         |
| Electrical                     |                                                                                                                                                                                  |
| Current - Maximum per Contact  | 7.0A                                                                                                                                                                             |
| Voltage - Maximum              | 250V                                                                                                                                                                             |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/71/2019 (16 July 2019)                 |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| 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

**Solder Process Data**

|           |                    |     |
|-----------|--------------------|-----|
| Lead-free | Process Capability | N/A |
|-----------|--------------------|-----|

**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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