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**Part Number:** [0781710003](#)  
**Status:** **Active**  
**Overview:** [Pico-EZmate™ Wire-to-Board Connector System](#)  
**Description:** [Pico-EZmate™ Wire-to-Board Header, Vertical, Housing Height: 1.55mm, with side-Friction Locks, 3 Circuits](#)

**Documents:**

- |                                                              |                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-78172-006-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification SPK-78171-001-001 (PDF)</a>  |
| <a href="#">Product Specification PS-78171-010-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification PS-78172-001-001 (PDF)</a> |                                                                  |

**Agency Certification**

UL E29179

**General**

|                |                                                             |
|----------------|-------------------------------------------------------------|
| Product Family | PCB Headers                                                 |
| Series         | <a href="#">78171</a>                                       |
| Application    | Signal, Wire-to-Board                                       |
| Overview       | <a href="#">Pico-EZmate™ Wire-to-Board Connector System</a> |
| Product Name   | Pico-EZmate™                                                |
| UPC            | 800756654645                                                |

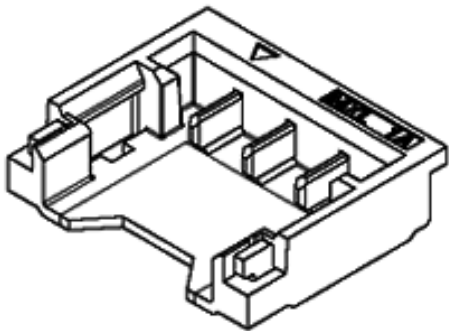
**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 3                     |
| Circuits (maximum)             | 3                     |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 10                    |
| Flammability                   | 94V-0                 |
| Glow-Wire Compliant            | No                    |
| Guide to Mating Part           | Yes                   |
| Keying to Mating Part          | Yes                   |
| Lock to Mating Part            | Yes                   |
| Mated Height                   | 1.55mm                |
| Material - Metal               | Copper Alloy          |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 26.157/mg             |
| Number of Rows                 | 1                     |
| Orientation                    | Vertical              |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 1.20mm                |
| Pitch - Termination Interface  | 1.20mm                |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | Yes                   |
| Stackable                      | No                    |
| Surface Mount Compatible (SMC) | Yes                   |
| Temperature Range - Operating  | -25°C to +85°C        |
| Termination Interface: Style   | Surface Mount         |

**Electrical**

|                               |           |
|-------------------------------|-----------|
| Current - Maximum per Contact | 1.5A      |
| Voltage - Maximum             | 50V AC/DC |

**Material Info**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per

-ED/01/2017 (12

January 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

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[78171](#) Series

**Mates With**

[78172](#) Crimp Housing and Terminal

**Reference - Drawing Numbers**

|                           |                                    |
|---------------------------|------------------------------------|
| Application Specification | AS-78172-006-001                   |
| Packaging Specification   | SPK-78171-001-001                  |
| Product Specification     | PS-78171-010-001, PS-78172-001-001 |
| Sales Drawing             | SD-78171-008                       |

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