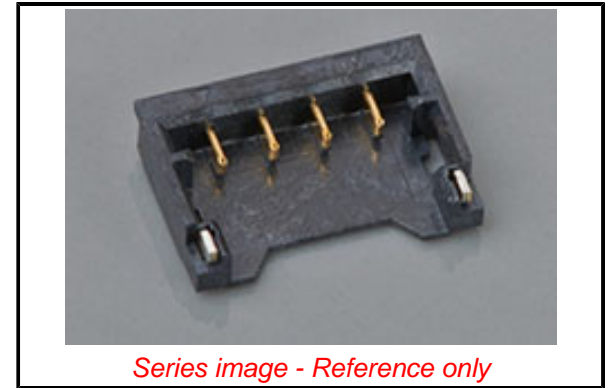


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0781715006](#)  
**Status:** **Active**  
**Overview:** [Pico-EZmate and Pico-EZmate Plus Wire-to-Board Connector Systems](#)  
**Description:** 1.20mm Pitch, Pico-EZmate PCB Header, Single Row, Gold Plating, Friction Lock, 6 Circuits, Tape and Reel

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification 781721000-PS-000 (PDF)</a>     |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Application Specification AS-78172-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Packaging Specification SPK-78171-002-001 (PDF)</a>  |
| <a href="#">Product Specification 781720000-PS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |



*Series image - Reference only*

**Agency Certification**

UL E29179

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">78171</a>  |
| Application    | Signal, Wire-to-Board  |
| Component Type | PCB Header   |
| Overview       | <a href="#">Pico-EZmate and Pico-EZmate Plus Wire-to-Board Connector Systems</a> |
| Product Name   | Pico-EZmate  |
| Taxonomy       | PCB Headers and Receptacles  |
| UPC            | 883906188511   |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 6                     |
| Circuits (maximum)             | 6                     |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 10                    |
| First Mate / Last Break        | No                    |
| Glow-Wire Capable              | No                    |
| Guide to Mating Part           | No                    |
| Keying to Mating Part          | None                  |
| Lock to Mating Part            | Yes                   |
| Mated Height                   | 1.65mm                |
| Material - Metal               | Copper Alloy          |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 149.000/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                |
| Plating min - Mating           | 0.100µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | Yes                   |
| Stackable                      | No                    |
| Surface Mount Compatible (SMC) | Yes                   |
| Temperature Range - Operating  | -40° to +105°C        |
| Termination Interface: Style   | Surface Mount         |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[78171 Series](#)

**Mates With**

PicoEZmate Housing and Terminal [78172](#)

**Electrical**

Current - Maximum per Contact  
Voltage - Maximum

1.5A  
50V AC/DC

**Material Info****Reference - Drawing Numbers**

Application Specification  
Packaging Specification  
Product Specification  
Sales Drawing

AS-78172-001-001  
SPK-78171-002-001  
781720000-PS-000, 781721000-PS-000  
781710001-SD-000

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