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**Part Number:** [78172-0410](#)  
**Status:** **Active**  
**Overview:** Pico-EZmate™ Wire-to-Board Connector System  
**Description:** Pico-EZmate™ Wire-to-Board Crimp Terminal, Gold (Au) Flash over Nickel (Ni) Plated, Lead free

**Documents:**

[Drawing \(PDF\)](#) [Application Specification AS-78172-006 \(PDF\)](#)  
[Product Specification PS-78171-010 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification AS-78172-001 \(PDF\)](#)

**General**

|                         |   |
|-------------------------|---|
| Product Family          | Crimp Terminals   |
| Series                  | <a href="#">78172</a>                                       |
| Application             | Signal  |
| Crimp Quality Equipment | Yes   |
| Overview                | <a href="#">Pico-EZmate™ Wire-to-Board Connector System</a> |
| Product Name            | Pico-EZmate™  |
| UPC                     | 800756782744  |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 10                   |
| Gender                         | Receptacle           |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Gold                 |
| Net Weight                     | 58.000/mg            |
| Packaging Type                 | Reel                 |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 0.60mm and 0.58mm    |
| Wire Size AWG                  | 28, 30               |
| Wire Size mm²                  | 0.127 AND 0.102      |

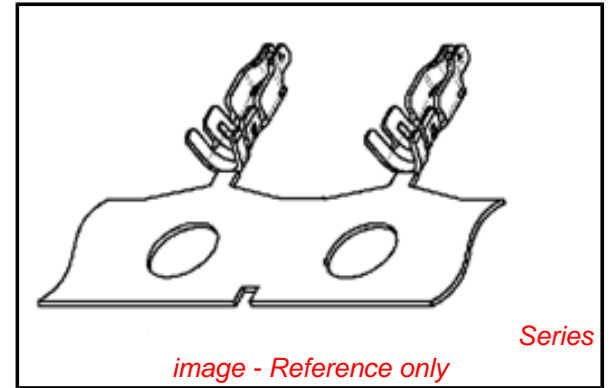
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                           |   |
|---------------------------|---|
| Application Specification | AS-78172-001, AS-78172-006                                |
| Crimp Specification       | CS-78172-012, CS-78172-013                                |
| Product Specification     | PS-78171-010, RPS-78172-003, RPS-78172-005, RPS-78172-006 |
| Sales Drawing             | SD-78172-008  |



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[78172Series](#)

**Mates With**

[78171 PCB Header](#)

**Use With**

[78172 Crimp Receptacle Housings](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description   | Product #                  |
|---|----------------------------|
| Fine Adjust Applicator for 1.20mm (.047") Pitch Pico-EZmate™ Wire-to-Board Crimp Terminal | <a href="#">0639025900</a> |

|  |                   |
|--|-------------------|
| T2 Terminator for<br>1.20mm (.047")<br>Pitch Pico-EZmate™<br>Wire-to-Board Crimp<br>Terminal | <u>0639125900</u> |
| Extraction Tool  | <u>0638132700</u> |
| Hand Crimp Tool<br>for Wire-to-Board<br>Terminal, 28-30<br>AWG Wire for Loose<br>Parts Only  | <u>0638194300</u> |
| Hand Tool for<br>1.20mm Crimp<br>Terminals, 30 AWG<br>Wire for Reeled<br>Product             | <u>0638230100</u> |
| Hand Tool for<br>1.20mm Crimp<br>Terminals, 28 AWG<br>Wire for Reeled<br>Product             | <u>0638194800</u> |

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