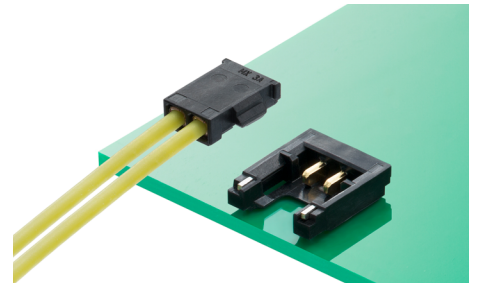


# Pico-EZmate Plus 1.00mm-Pitch Connector System

**molex**

Now with a current rating of up to 2.8A and an improved withdrawal force, compact Pico-EZmate Plus 1.00mm-Pitch Connectors deliver high performance in a low-profile height, making them ideal for automated assembly processes in tight-spaced applications across various industries



Pico-EZmate Plus 1.00mm-Pitch Connector System

## Features and Advantages

### Polyamide material

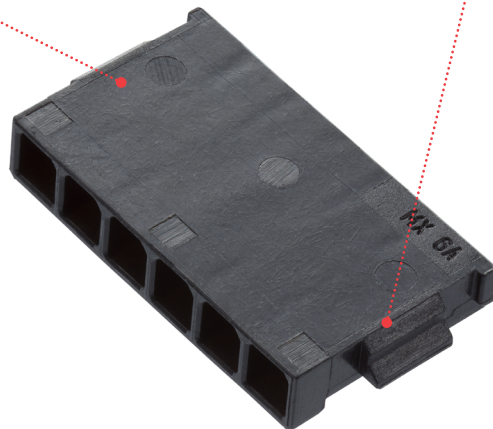
Provides low-halogen; meets environmental considerations

### Polarization keys

Prevents mismatching of plug with receptacle header

### High current rating (up to 2.8A) with fine pitch (1.00mm)

Meets customer requirements for high power in compact packages



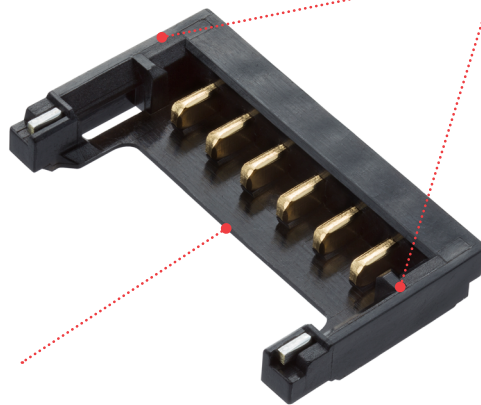
Pico-EZmate Plus 1.00mm-Pitch Crimp Terminal

### Thicker housing side walls\*

Has an improved withdrawal force over original Pico-Ezmate, for increased mating security

### Low-profile design (1.20mm)

Provides space-savings in sleek designs



### Open-top receptacle header

Provides snap-in mating for speedy assembly processing

\*Pico-EZmate Plus 1.00mm-Pitch Connector has thicker housing side walls and with this design change, Pico-EZmate Plus Connector has improved withdrawal force compared to Pico EZmate 1.20mm-Pitch Connector.

# Pico-EZmate Plus 1.00mm-Pitch Connector System

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## Markets and Applications

### Consumer

- Electronic cigarettes
- Entertainment devices
- POS terminals

### Smart Phones and Mobile Devices

- Mobile phones
- Tablets

### Home Appliances

- White goods

### Data Center

- Data termination equipment

### Medical

- Medical instruments



Mobile Devices



White Goods



Medical Instruments

## Specifications

### REFERENCE INFORMATION

Packaging: Embossed tape  
Mates With: Receptacle housing with plug header  
Used With: Receptacle terminal with receptacle housing  
Designed In: Millimeters  
RoHS Compliant: Yes  
Halogen Free: Low-Halogen

### ELECTRICAL

Voltage (max.): 50V  
Current (max.): 2.8A (2 circuits)  
Contact Resistance (max.):  
20 milliohms  
5 milliohms (on crimped portion)  
Dielectric Withstanding Voltage: 500V AC Insulation  
Resistance (min.): 100 Megohms

### MECHANICAL

Contact Insertion Force (max.): 18.0N  
Contact Retention to Housing (min.): 3.5N  
Durability (min.): 10 cycles

### PHYSICAL

Housing: Polyamide, UL94V-0  
AWG size: 28 and 30  
Contact: Copper Alloy  
Plating: Gold  
Operating Temperatures: -45 to +105°C

[www.molex.com/link/picoezmate.html](http://www.molex.com/link/picoezmate.html)

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