FEATURES AND SPECIFICATIONS

1.20mm (.047") Pitch Pico-EZmate™ W-to-B Connectors

Series 78171 Header



78172 -Receptacle housing



- Terminal



Molex's new 1.20mm pitch Pico-EZmate™ connectors are compact and low profile, with a mated height of 1.40mm for wire-to-board applications.

The Pico-EZmate connector design includes secure locking features between the receptacle housing and the PCB header, with an audible click to ensure mating integrity. The receptacle is mated vertically with the header, which allows excellent workability in production lines.

The header design also provides sufficient space to allow stable pick-and-place operations in SMT lines. The headers are packed in the embossed tape packing for automatic insertion equipment.

Both header and receptacle housings are made from a halogen-free resin with a 94 V-0 rated material. The series also complies to European RoHS directives.

Features	Benefits
• Ultra low profile	• Space savings
• Easy vertical mating	• Excellent workability in production line
• Multiple mating cycles	• Allows multiple testing cycles
• Assembly suction space on header	• Stable pick-and-place area
• RoHS & halogen free compliance	• Environmentally friendly

SPECIFICATIONS

Reference Information
Packaging: Embossed Tape
UL File No.: TBD
CSA File No.: TBD
Designed In: mm

Electrical
Voltage: 50V
Current: 1.5A
Applicable wire range: AWG #28 to #30
UL3302
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 100 Megohms minimum

Physical
Housing: LCP, UL94V-0, Black
Contact: Copper alloy
Plating: Gold

Operating Temperature: -25°C to +85°C

Markets and Applications

- Notebook
- Mobile Phone
- GPS
- MP3, MP4
- Any compact mobile device application







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78172
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Ordering Information

- PCB Header

Order No.	Circuits
78171-1002	2
78171-1003	3
78171-1004	4
78171-1005	5

- Receptacle Housing

Order No.	Circuits
78172-0002	2
78172-0003	3
78172-0004	4
78172-0005	5

- Receptacle Crimp Terminal

Order No.	Circuits
78172-0410	N/A

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