

FEATURES AND SPECIFICATIONS



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.

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

Series 78171 Header



78172 -Receptacle housing



- Terminal



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

Physical

Housing: LCP, UL94V-0, Black

Contact: Copper alloy

Plating: Gold

Operating Temperature: -25°C to +85°C

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

Markets and Applications

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



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

Series **78171** Header

78172 - Receptacle housing - Terminal

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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