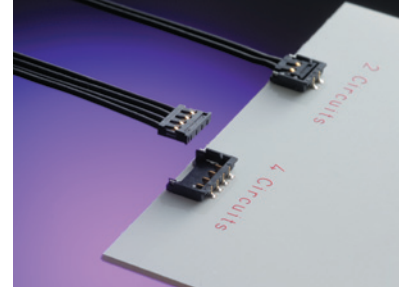


Molex's 1.20mm (.047") pitch Pico-EZmate™ connectors are compact and low-profile, offering a mated height of 1.55mm (.061") for 2- to 5-circuit and 1.65mm (.065") for 6-circuit versions for miniature wire-to-board applications.

The Pico-EZmate™ system includes a secure friction lock between the receptacle housing and header, along with an audible click to ensure mating. The receptacle is mated vertically with the header, which enables easy placement in tight packaging applications.

The system is available in 2- to 6-circuits and ideal for various applications such as mobile phones, notebook PCs, portable audio players and other compact mobile devices.

Pico-EZmate™ 1.20mm (.047") Pitch Wire-to-Board Connectors



Low-profile Pico-EZmate™ connectors with user-friendly mating style

FEATURES AND BENEFITS

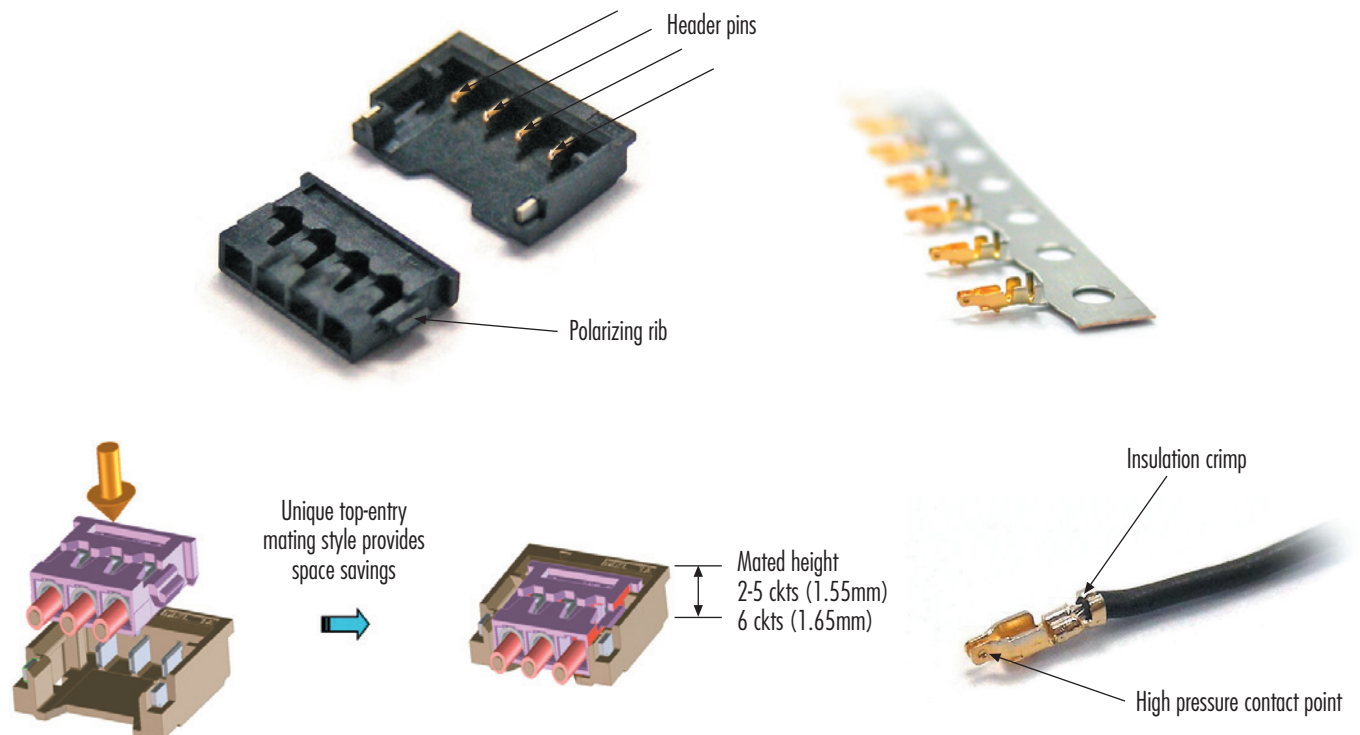
Features

- Ultra low-profile
- Vertical mating
- Open space on header
- Gold plating
- Polarizing key

Benefits

- Space saving
- Easy application in tight spaces
- Accommodates pick-and-place
- Secure contact for multiple cycles
- Prevents mismatching

ADDITIONAL PRODUCT FEATURES



SPECIFICATIONS

Reference Information

- Packaging: Embossed tape
- Designed In: mm

Electrical

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

Physical

- Housing: LCP, UL94V-0, Black
- Contact: Copper Alloy
- Plating: Gold
- Operating Temperature: -25 to +85°C

Pico-EZmate™ 1.20mm (.047") Pitch Wire-to-Board Connectors

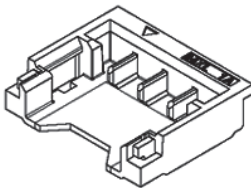
MARKETS AND APPLICATIONS

- Notebook
- Mobile Phone
- E-Book
- PND
- MP3, MP4
- Any compact mobile device applications



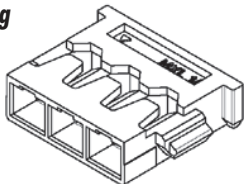
ORDERING INFORMATION

Header Connector



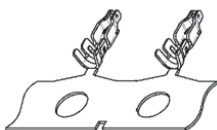
Order No.	Circuits	Mated Height
78171-0002	2	1.55mm (.061")
78171-0003	3	1.55mm (.061")
78171-0004	4	1.55mm (.061")
78171-0005	5	1.55mm (.061")
78171-5006	6	1.65mm (.065")

Receptacle Housing



Order No.	Circuits	Mated Height
78172-0002	2	1.55mm (.061")
78172-0003	3	1.55mm (.061")
78172-0004	4	1.55mm (.061")
78172-0005	5	1.55mm (.061")
78172-5006	6	1.65mm (.065")

Receptacle Crimp Terminal



Order No.	AWG#	Current	Wire Insulation Diameter
78172-0410	28	1.5A max.	0.60mm (.024")
	30	1.0A max.	0.58mm (.023")
78172-0411*	28	1.5A max.	0.60mm (.024")
	30	1.0A max.	0.70mm (.030")

*Note: The -0411 version uses a higher conductivity alloy, which is required for the six-circuit version in order to keep the temperature rise with all circuits fully loaded at the maximum current rating within the 30 degrees C maximum specified temperature. Please contact Molex for further details.