

Zero-Hachi 0.80mm Pitch Wire-to-Board Connector System >

The Zero-Hachi connector's fine pitch, low-profile height and extensive circuit size range address the concerns of shrinking electronic device space across industries. The connector's dual-point contact feature enhances electrical reliability during operation



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FEATURES AND ADVANTAGES

Fitting Nail

Provides robust PCB retention and protects the connector against breakage when wires are wrenched upward

1.60mm

Low-Profile Height (1.60mm)

Enables engineers to design slimmer devices

Dual-Point Contact Design

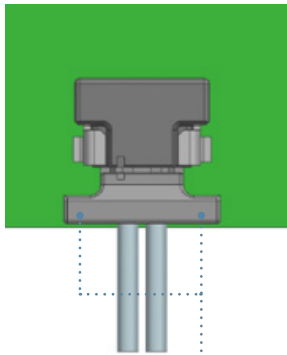
Secures the connector's electrical contact

Friction Lock on Crimp Housing

Offers better mating retention and reliability of header and harness

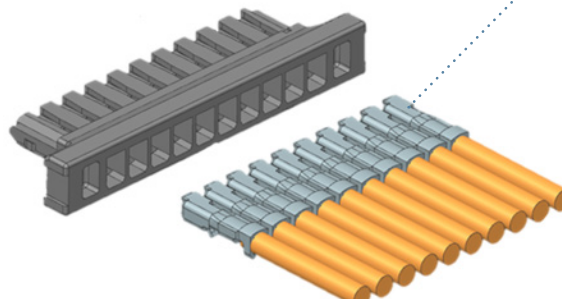
U-Shaped Crimp Terminal

Guides crimp terminal insertion to the connector housing in the correct direction



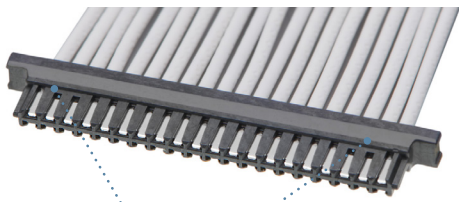
Easy-to-Grip Design Feature

Facilitates easy handling during mating or unmating processes



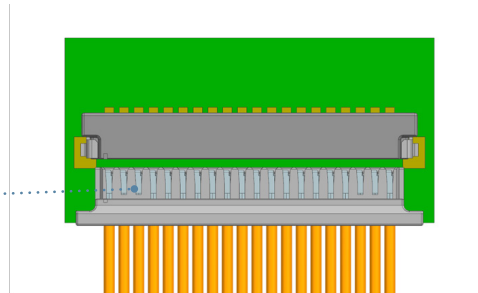
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FEATURES AND ADVANTAGES

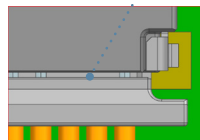
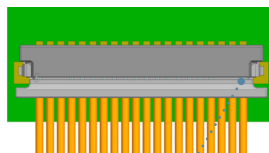


'Checking-Mark' Feature on Crimp Housing

Aids in checking if the connector is fully mated

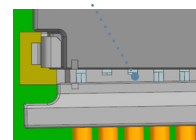
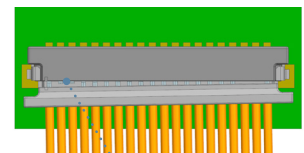


Proper Mating



When the terminal contacts are not exposed, it indicates the crimp housing is completely mated to the receptacle

Improper Mating



The exposed terminal contacts indicates the crimp housing is not completely mated to the receptacle.

APPLICATIONS

Consumer

AR/VR devices
Gaming headsets

Mobile Devices

Tablet PCs
Wearable devices

Connected Home

Smart speakers
Doorbells

Industrial

Drones
UAVs



Drones



Smart Speakers



Wearables

Zero-Hachi 0.80mm Pitch Wire-to-Board Connector System

SPECIFICATIONS

REFERENCE INFORMATION

Packaging:

Header: Embossed Tape

Housing: Bag

Terminal: Reel

Designed In: Millimeters

RoHS: Yes

Halogen Free: Low-Halogen

ELECTRICAL

Voltage (max.): 30V

Current (max.): 1.5A (2 to 6 circuits)

1.0A (7 to 20 circuits)

PHYSICAL

Header Housing: LCP

Housing: LCP

Contact: Corson Copper Alloy

Plating:

Contact Area—Tin (Sn)

Underplating—Nickel (Ni)

Operating Temperature: -40 to +85°C

ORDERING INFORMATION

CRIMP TERMINALS

Order No.	Plating	Description	Wire Range (AWG)
214720-5001	Tin (Sn)	Crimp terminals	30 to 32
214720-5000			28 to 30

HEADER AND CRIMP HOUSINGS

Order No.	Plating	Description	Wire Range (AWG)
214719-2xx0	N/A	Crimp housing, single row	2 to 20
214721-0xx0	Tin (Sn)	Right-angle header	

Note: xx = 2 to 20 circuits

NEW

214721 214719 214720	Right-Angle Single-Row Header Crimp Housing Crimp Terminal
Category	Wire-to-board Connectors
Current	2.5A (2 circuits), 1.5A (6 circuits), 1.0A (20 circuits) for AWG 28 wires
Pitch	0.80mm
Height	1.60mm
Circuits	2 to 20

www.molex.com/link/zero-hachi.html