

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, while the connector's dual-point connector's dual-point contact feature enhances electrical reliability during operation.



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FEATURES AND ADVANTAGES

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

Fitting nail

Secures the connector's electrical contact

Dual-point contact design

Enables engineers to design slimmer devices

Low-profile height (1.60mm)

Offers better mating retention and reliability of header and harness

Friction lock on crimp housing

Facilitates easy handling during mating or unmating processes

Easy-to-grip design feature

Category	Wire-to-board Connectors	
Current	Tin plating: 2.5A (2 circuits), 1.2A (6 circuits), 1.0A (20 circuits) for AWG 28 wires	Gold Plating: 2.5A (2 circuits), 1.5A (6 circuits), 1.2A (20 circuits) for AWG 28 wires
Pitch	0.80mm	
Height	1.60mm	
Circuits	2 to 20	

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

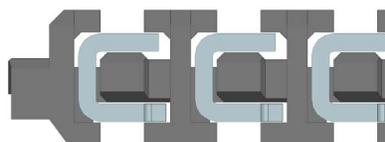
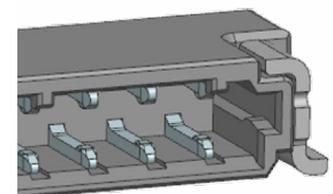
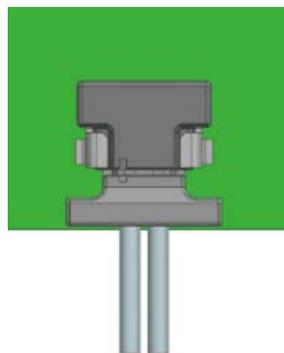
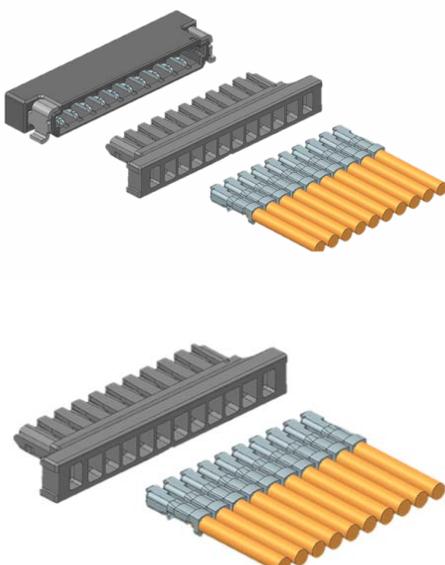
U-shaped crimp terminal

Aids in checking if the connector is fully mated

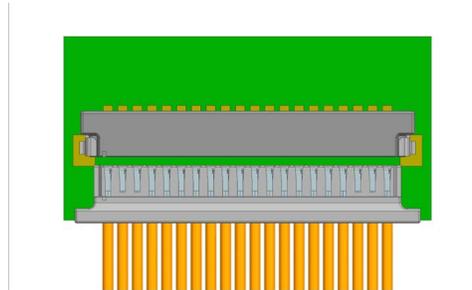
'Checking-mark' feature on crimp housing

Provides higher electrical performance with robustness

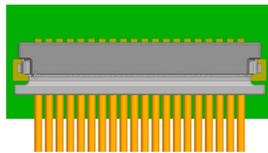
Au plating version



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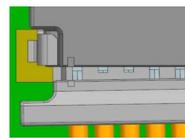
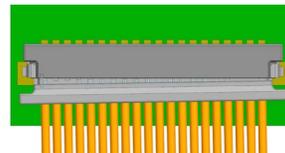


Proper Mating



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.

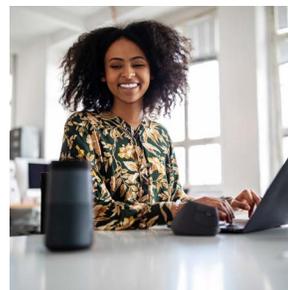
APPLICATIONS

Mobile Devices

- Tablet PCs
- Wearable devices
- AR/VR devices
- Gaming headsets
- Smart speakers
- Drones
- UAVs



Drones



Smart Speakers



Wearables

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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.):
2.5A (2 circuits)
1.5A (6 circuits)
1.2A (20 circuits)
*For AWG 28 wires

Physical

Header Housing: LCP
Housing: LCP
Contact: Corson Copper Alloy
Plating:
Contact Area—Gold (Au), Tin (Sn)
Underplating—Nickel (Ni)
Operating Temperature: -40 to +105°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
214720-5011	Gold (Au)	Crimp terminals	30 to 32
214720-5010			28 to 30

Header and Crimp Housings

Order No.	Plating	Description	Circuit Sizes
214719-2xx0	N/A	Crimp housing, single row	2 to 20
214721-0xx0	Tin (Sn)	Right-angle header	
214719-2xx0	N/A	Crimp housing, single row	2 to 20
214721-0xx1	Gold (Au)	Right-angle header	

Note: xx = 2 to 20 circuits

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