

OneBlade 1.00mm-Pitch Wire-to-Board Connector System >

The modular OneBlade 1.00mm-Pitch Wire-to-Board Connector System with friction lock and spacious pick-and-place area combines design simplicity with speed and ease of assembly.



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ADVANTAGES AND FEATURES

Provides better mating retention of header and harness

Connector has friction lock for stable, reliable connections.

Offers secure and stable electrical contact

A dual-point contact design helps minimize the risk of movement and separation.

Reduces the number of loose parts serving each function

Nails and terminals are integrated in a single part.

Simplifies parts inventory management

Single connector housing is used interchangeably as a vertical- or right-angle header.

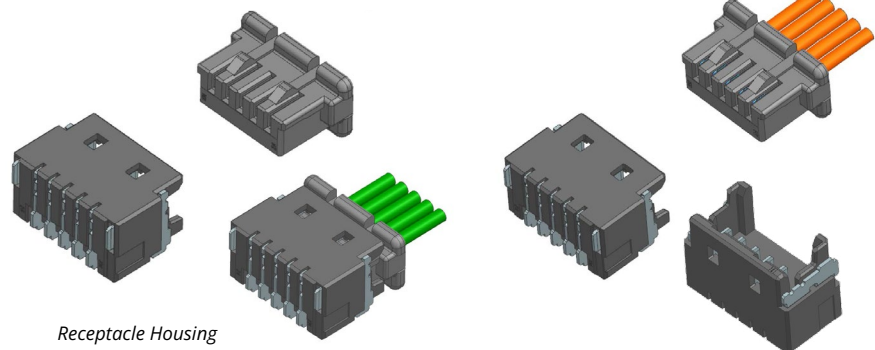
Current	2.5A
Voltage	100V
Wire Gauges	28, 30, 32 AWG
Operating Temperatures	-40 to +105°C

Offers design flexibility and efficiency

Singular header design can be used in vertical- or right-angle mating and mounting orientations.

Serves as both fitting nail and solder tail in both vertical and right-angle version connectors

The connectors have a dual-function solder tab.



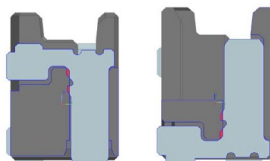
Receptacle Housing

Header Contact

Solder tab configured as a fitting nail in right-angle connector and solder tail in vertical version

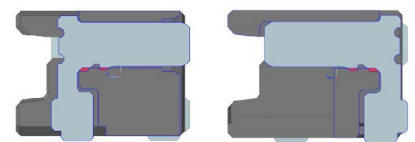
Vertical Type

Right-Angle Type



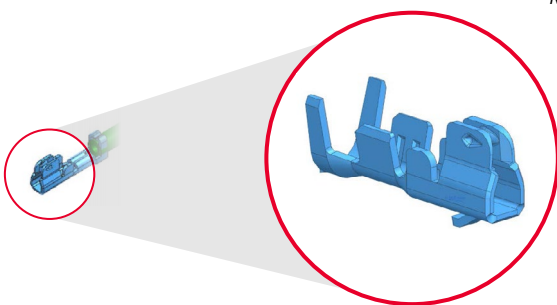
Fitting Nail

Solder Tail



Fitting Nail

Solder Tail



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MARKETS AND APPLICATIONS

Home Appliances

Washing machines
Refrigerators
Air conditioners
Vacuum cleaners

Consumer

Desktop computers

Data Center

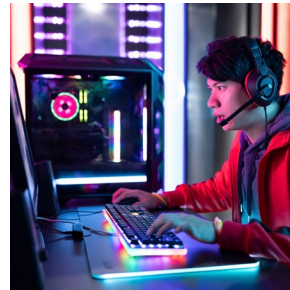
Servers
Routers

Connected Home

Smart speakers



Home Appliance



Desktop PC



Smart Speaker

SPECIFICATIONS

Reference Information

Packaging:

Header: embossed tape

Housing: bag

Terminal: reel

Designed in: millimeters

RoHS: yes

Electrical

Voltage (max.): 100V

Current (max.): 2.5A (2 circuits with 28AWG)

Contact resistance: 20 milliohms (max.)

AWG: 28, 30, 32

UL E29179

Physical

Header Housing: PA

Housing: PA

Terminal plating: Tin (Sn)

Operating Temperature -40 to 105°C

ORDERING INFORMATION

Vertical Header	Right-Angle Receptacle	Housing	Circuits	Plating	Terminal	Wire Gauge
214094	214097	214092	2 to 8	Tin	2140935000	28 to 30 AWG
					2140935100	30 to 32 AWG

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