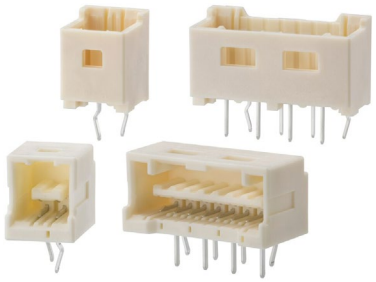
DATASHEET

CLIK-Mate Connectors ›



Ideal for demanding applications requiring reliable, space-saving solutions, CLIK-Mate Connectors offer compact, high-density and durable connections for challenging systems. These connectors enable customization, reduce assembly complexity and provide exceptional mating accuracy.

ADVANTAGES AND FEATURES

Avoids terminal buckling and secures contact

The unique tuning-fork terminal design reduces contact resistance and ensures high contact reliability through the two-point contact.

Enables customization

Variable plating options are available to meet specific performance, durability and/or cost requirements.

Offers design flexibility

A wide variety of mounting styles, colors, orientations and rows enable various design configuration options.

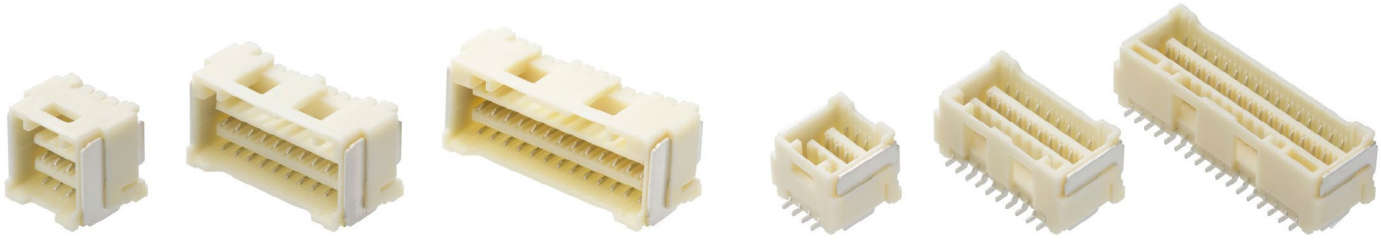
Current	2.5A for 2p, AWG#26 (1.25mm pitch) 3.0A for 2p, AWG#24 (1.50mm pitch) 4.0A for 2p, AWG#22 (2.00mm pitch)
Number of Circuits	2 to 34 (1.50mm pitch) 2 to 15 (1.25mm and 2.00mm pitches)
Voltage	50V (1.25mm pitch) 100V (1.50mm pitch) 250V (2.00m pitch)
Operating Temperatures	-40 to +105°C

Offers secure mating and a low insertion force for exceptional reliability

Positive inner locks protect connectors from disengagement due to vibration or shock, and an audible click ensures locking has engaged.

Has footprint compatibility

Drop-in replacement to various competitive versions helps avoid redesign delays for cost and time savings.



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CLIK-Mate Connectors ›

MARKETS AND APPLICATIONS

Aerospace
Drones
Electric vertical take-off and landing aircrafts

Appliance
Blenders
Coffee makers
Printer and copy machines
Refrigerators
Sewing machines
Vacuum cleaners

Automotive
2-Wheelers, 3-wheelers and e-bikes
Control modules
Electrification: OBC, DCDC, PDU, BMS equipment
In-cabin applications
Lighting and lamps
Steering control systems and sensors
Telematics

Charging Infrastructure
Charging stations

HVAC
Air-conditioner units

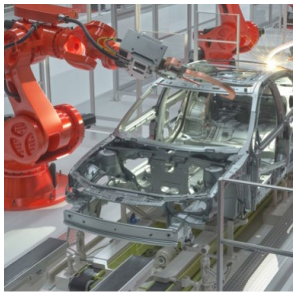
Industrial automotive
Inverters
Machine builders
Power-distribution systems
Robotics

Power for data center
Switches and servers

Server and storage
Cooling- and thermal-management systems
Open compute projects

Telecommunications
Switches and servers

Servers



Robotics

In-Cabin Applications

DATASHEET

CLIK-Mate Connectors ›

SPECIFICATIONS

Reference Information

Designed in: Millimeters
Packaging: Reel (terminal)
Embossed (header)
Tray (1.50mm-pitch header through hole single row)
Bag (plug housing)
RoHS: Yes
Glow Wire Compatible: No

Electrical

Voltage (max):
250V (2.00mm pitch)
100V (1.50mm pitch)
50V (1.25mm pitch)
Current (max):
4.0A for 2p, AWG#22 (2.00mm pitch)
3.0A for 2p, AWG#24 (1.50mm pitch)
2.5A for 2p, AWG#26 (1.25mm pitch)
Contact Resistance: 20 milliohms max
Signal Contact: 35 milliohms
Nail Contact: 20 milliohms
Dielectric Withstanding Voltage:
800V (2.00mm pitch)
500V (1.50mm pitch)
500V (1.25mm pitch)
Insulation Resistance: 100 Megohms

Mechanical

Pitch: 1.25, 1.50, 2.00mm
Durability (max.): 30 cycles
Crimp Terminal Insertion Force (max.):
9.8N (2.00mm pitch)
9.8N (1.50mm pitch)
4.9N (1.25mm pitch)
Crimp Terminal Retention Force (min.):
9.8N (2.00mm pitch)
9.8N (1.50mm pitch)
6.9N (1.25mm pitch)
Housing Lock Strength (min.):
29.4N (2.00mm pitch)
29.4N (1.50mm pitch)
19.6N (1.25mm pitch)

Physical

Housing :
Header–Polyamide
Plug housing-Polybutylene terephthalate
Contact: Copper alloy
Plating:
Tin (2.00mm pitch)
Tin, gold 0.10, 0.38 and 0.76µm (1.50mm pitch)
Tin, gold 0.10µm (1.25mm pitch)
Operating Temperatures: -40 to +105°C

Order No. 987652-9232 USA/0k/GF/2025.09