

CLIK-Mate Wire-to-Board Connector System

1.25, 1.50 and 2.00mm Pitch

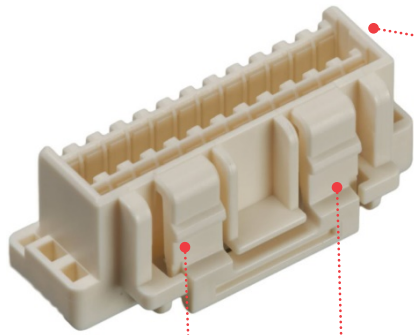
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The rugged CLIK-Mate wire-to-board system provides secure electrical contact, low insertion force and mating assurance in a wide variety of configurations, circuit sizes and current options

Features and Advantages



The versatile CLIK-Mate wire-to-board system

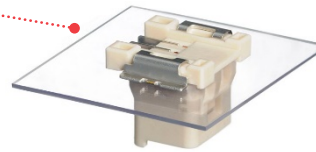


Dual inner positive locks

Provides mating assurance and enables simplified cable assembly for operators

Dual in-line package with surface-mount technology

Provides space saving



Click sound and feeling when mated

Provides mating confirmation

Bottom-entry mounting version

Offers space savings and simplification of wiring compared to top-mounting styles



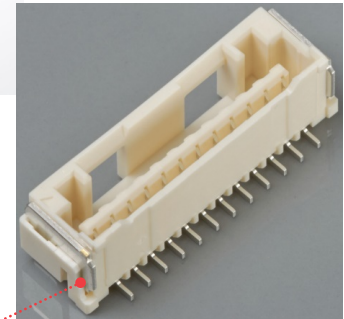
Single/dual row, vertical/horizontal configurations and tin/gold plating with multiple color options

Provides design flexibility

* Contact GPM for availability of color housing.

Tuning-fork style contact design

Offers secure electrical contact and avoids terminal stubbing



Applications

Consumer

- Gaming machines
- LCD and TV panels

Automotive

- Infotainment
- Interior mirrors

Lighting

- LED light modules
- Office down lights

Industrial

- Scanners
- Smart grid meters

Medical

- Patient monitors
- Surgical equipment



Automotive



Medical



Gaming Machine

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Specifications

REFERENCE INFORMATION

Designed In: Millimeter

ELECTRICAL

Voltage (max): 2.00mm pitch: 250V;
1.50mm pitch: 100V; 1.25mm pitch: 50V
Current (max): 2.00mm pitch: 3.0A;
1.50mm pitch: 2.0A; 1.25mm pitch: 1.0A;
Contact Resistance: 20 milliohms max.

PHYSICAL

Contact: Copper alloy
Plating: Tin and Gold
Operating Temperature: -40 to +105°C

Current Derating Information

CLIK-Mate Series Rated Current (MAX.)

AWG	1.25mm Pitch Single Row		
	2-circuits	8-circuits	15-circuits
	Amps [A]	Amps [A]	Amps [A]
26	2.5	1.5	1.0
28	2.0	1.5	1.0

AWG	1.50mm Pitch Single Row		
	2-circuits	8-circuits	15-circuits
	Amps [A]	Amps [A]	Amps [A]
24	3.0	2.0	2.0
26	3.0	2.0	1.5
28	2.5	1.5	1.0
30	2.0	1.5	1.0

AWG	1.50mm Pitch Dual Row						
	Vertical				Right Angle		
	8-circuits	16-circuits	26-circuits	34-circuits	8-circuits	16-circuits	26-circuits
	Amps [A]	Amps [A]	Amps [A]	Amps [A]	Amps [A]	Amps [A]	Amps [A]
24	2.5	2.0	2.0	2.0	2.0	2.0	1.0
26	2.0	1.5	1.5	1.5	2.0	1.5	1.0
28	2.0	1.5	1.0	1.0	1.5	1.5	1.0
30	1.5	1.0	1.0	1.0	1.5	1.5	1.0

AWG	2.00mm Pitch Single Row		
	2-circuits	8-circuits	15-circuits
	Amps [A]	Amps [A]	Amps [A]
22	4.0	3.0	3.0
24	3.5	2.5	2.0
26	3.0	2.0	1.5

(1) Values are for REFERENCE ONLY.

(2) Current deratings are based on not exceeding 30°C temperature.

(3) PCB trace design can greatly affect temperature rise results in Wire-to-Board applications.

(4) Data is for all circuits powered.

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Ordering Information

Order No.	Pitch (mm)	Plating	Description	Wire Range (AWG)
502381-0000	1.25	Tin	Crimp Terminals	26 to 28
502381-0010		Gold (0.10µm)		
502579-0000	1.50	Tin		24 to 28
503429-0000		Tin		26 to 30
213028-1000		Gold (0.10µm)		24 to 26
213028-3000		Gold (0.38µm)		
213028-7000		Gold (0.76µm)		
213029-1000		Gold (0.10µm)		26 to 28
213029-3000		Gold (0.38µm)		
213029-7000		Gold (0.76µm)		
502438-0000	2.00	Tin		22 to 26

Order No.	Plating	Description	Circuit Sizes	Pitch (mm) / Wire Range (AWG)
502578-xx00	N/A	Plug Housing, Single Row	2 to 15	1.50 / 24 to 28
503149-xx00		Plug Housing, Dual Row	8 to 34	
502584-xx60	Tin	Vertical Header, Single Row, SMT	2 to 15	
503159-xxx0		Vertical Header Single Row, Through hole		
502585-xx70		Right-Angle Header, Single Row, SMT		
503175-xxx0		Right-Angle Header, Single Row, Through hole		
503395-xx10		Bottom-Entry Header, Single Row	3, 4, 6, 7, 8, 10	
503154-xx90		Vertical Header, Dual Row	8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34	
503148-xx90		Right-Angle Header, Dual Row	8, 10, 12, 14, 16, 18, 20, 22, 24, 26	
213225-xx10		Gold (0.10µm)	Vertical Header, Single Row, SMT	
213225-xx30	Gold (0.38µm)			
213225-xx70	Gold (0.76µm)			
213226-xx10	Gold (0.10µm)	Right-Angle Header, Single Row, SMT		
213226-xx30	Gold (0.38µm)			
213226-xx70	Gold (0.76µm)			
213227-xx10	Gold (0.10µm)	Vertical Header, Dual Row	8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34	
213227-xx30	Gold (0.38µm)			
213227-xx70	Gold (0.76µm)			
213228-xx10	Gold (0.10µm)	Right-Angle Header, Dual Row		8, 10, 12, 14, 16, 18, 20, 22, 24, 26
213228-xx30	Gold (0.38µm)			
213228-xx70	Gold (0.76µm)			

www.molex.com/link/clikmate.html

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