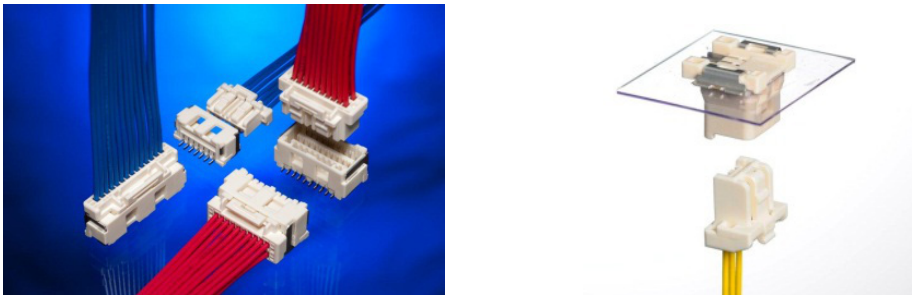




**CLIK-Mate™ 1.5 wire-to-board system offers a wide variety of mechanical and electrical options along with robust features and a positive lock to meet both signal and power needs.**

Offering 2.0A current in a thin wire gauge, the CLIK-Mate 1.5 system bridges the gap between the CLIK-Mate 1.25 and 2.00mm pitch systems. For instance, the system can run low power signals over 24 AWG wire, which provides savings in space, weight and cost versus 2.00mm systems.

The CLIK-Mate 1.5 family is available in single and dual-row styles, and includes both SMT and through-hole options in circuit sizes from 2-24. Both single and dual-row versions use the same crimp terminal, which saves on application tooling costs. The system also includes a bottom-entry PCB receptacle for applications that require a through-board mating configuration.



CLIK-Mate 1.5 family (above left) and new bottom-entry style PCB Receptacle, 503395 Series (above right).

**Features and Benefits**

Wide variety of circuit sizes, mounting styles and wire gauges	Provides design flexibility
Dual positive inner lock	Offers greater mating assurance compared to outer-lock types
Compact 1.50mm pitch	Provides about 30% space savings versus similar 2.00mm pitch versions
Bottom-entry mounting version	Provides space savings and simplification of wiring for through-board applications such as LED lighting
Dual contact tuning fork design	Offers low insertion force, secure mating contact and protection against terminal stubbing

**Markets and Applications**

- > Consumer
  - Gaming machines
  - LCD and TV Panels
- > Industrial General
  - Fixed and hand-held scanners
  - Ruggedized industrial network modules scales
  - Smart grid meters
- > Automotive
  - Head Lamps
  - Homelink modules
  - Interior mirrors
  - Telematics
  - Tracking modules
- > Medical
  - Glucose meters
  - Infusion pumps
  - Instrumentation
  - Patient monitors
  - Surgical equipment and devices
  - Testers

**CLIK-Mate™  
1.50mm Pitch  
Single and Dual  
Row Wire-to-  
Board Connector  
System, With  
Positive Lock**

- 502579** Crimp Terminal, 24-28 AWG
- 503429** Crimp Terminal, 26-30 AWG
- 502578** Plug Housing, Single Row
- 502584** PCB Receptacle, Single Row, SMT, Vertical
- 502585** PCB Receptacle, Single Row, SMT, Right Angle
- 503159** PCB Receptacle, Single Row, Through Hole, Vertical
- 503175** PCB Receptacle, Single Row, Through Hole, Right Angle
- 503395** PCB Receptacle, Single Row, Bottom Entry
- 503149** Plug Housing, Dual Row
- 503154** PCB Receptacle, Dual Row, SMT, Vertical
- 503148** PCB Receptacle, Dual Row, SMT, Right Angle



## Specifications

### ELECTRICAL

**Current:** 2.0A (1.0A for 503148)

**Voltage:** 100V

**Contact Plating:** Tin

**Contact Resistance:**

20 milliohms max.

**Insulation resistance:**

500 megohms min.

**Dielectric Withstanding Voltage:**

500V AC (rms) for 1 minute

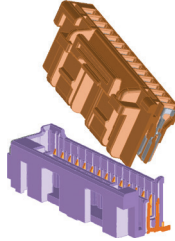
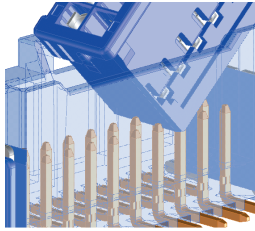
### MECHANICAL

**Durability:** 30 Cycles

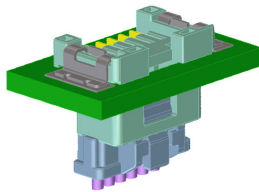
### PHYSICAL

**Flammability:** UL 94V-0

## Additional Product Features



The CLIK-Mate 1.5 mating design protects against terminal stubbing and damage. (Competitive pin-type header shown above left; CLIK-Mate tuning-fork terminal design shown above right.)



The 503395 bottom-entry PCB receptacle allows more direct mating access for applications such as LED lighting to provide space savings and more simplified assembly.

## CLIK-Mate™ 1.50mm Pitch Single and Dual Row Wire-to- Board Connector System, With Positive Lock

**502579** Crimp Terminal,  
24-28 AWG

**503429** Crimp Terminal,  
26-30 AWG

**502578** Plug Housing,  
Single Row

**502584** PCB Receptacle,  
Single Row, SMT, Vertical

**502585** PCB Receptacle,  
Single Row, SMT, Right  
Angle

**503159** PCB Receptacle,  
Single Row, Through Hole,  
Vertical

**503175** PCB Receptacle,  
Single Row, Through Hole,  
Right Angle

**503395** PCB Receptacle,  
Single Row, Bottom Entry

**503149** Plug Housing,  
Dual Row

**503154** PCB Receptacle,  
Dual Row, SMT, Vertical

**503148** PCB Receptacle,  
Dual Row, SMT, Right  
Angle

## Ordering Information

		Single Row SMT		Bottom Entry	Single Row Through Hole		Dual Row SMT		
		Vertical	Right Angle		Vertical	Right Angle	Vertical	Right Angle	
Part Numbers	Plug Housing	<a href="#">502578-**00</a>				<a href="#">503149-**00</a>			
	Terminal (Reel)	<a href="#">502579-0000</a> (24 to 28 AWG)							
		<a href="#">503429-0000</a> (14 to 16 AWG)							
	PCB Receptacle	<a href="#">502584-**70</a> (-**60 w/tape)	<a href="#">502585-**70</a>	<a href="#">503395-**10</a>	<a href="#">503159-**10</a> (-**00 with peg)	<a href="#">503175-**10</a> (-**00 with peg)	<a href="#">503154-**90</a>	<a href="#">503148-**90</a>	
Current Rating		2.0A, 100V					2.0A, 100V	1.0A, 100V	
Circuits		2-15					10-24		
Mated Dimensions (mm)	Width	6.40	9.70	9.50	6.55	9.65	9.20	11.20	
	Height	9.70	6.40	8.90	10.35	6.95	11.20	9.20	
Lock Type	Inner Lock Number of Locks (1: 2-5 circuits, 2: 6-15 circuits)						Inner Lock Locks (1: 10 circuits, 2: 12-24 circuits)		
Plating	Tin								

Note: Replace \*\* with circuit size