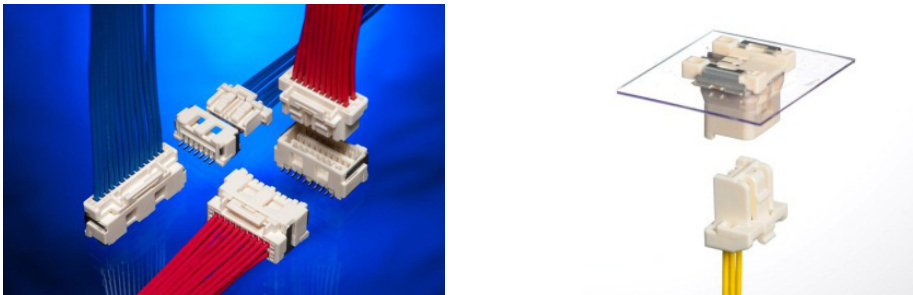




CLIK-Mate™ 1.5 wire-to-board system offers a wide variety of mechanical and electrical options along with robust features and a positive lock to meet both signal and power needs.

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 compared to top-mounting styles
Dual contact tuning fork design	Offers low insertion force, secure mating contact and protection against terminal stubbing
Footprint compatible with certain competitive versions	Enables drop-in replacement

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

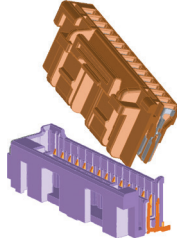
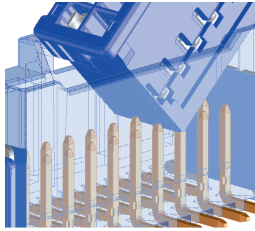
MECHANICAL

Durability: 30 Cycles

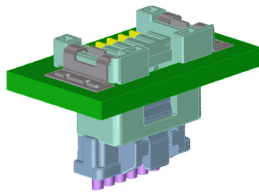
PHYSICAL

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	502578-**00				503149-**00			
	Terminal (Reel)	502579-0000 (24 to 28 AWG)							
		503429-0000 (14 to 16 AWG)							
	PCB Receptacle	502584-**70 (-**60 w/tape)	502585-**70	503395-**10	503159-**10 (-**00 with peg)	503175-**10 (-**00 with peg)	503154-**90	503148-**90	
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