



### General Information

<b>Kit Part Number:</b>	<a href="#">1-2110852-5</a>
<b>Description:</b>	Deluxe Through Hole Vertical and Right Angle Header, Plug, Receptacle and Sealed Components Connector Kit
<b>Application:</b>	Appliance Industries, Fan Modules, HVAC Systems, Lighting Applications, Power Supplies, White Goods, Wiring Harness Assemblies
<b>Family:</b>	Mini-Universal MATE-N-LOK
<b>TE Brand:</b>	AMP Products
<b>Solution:</b>	Free Hanging, Off the Board, Sealed
<b>Product Type:</b>	Wire-to-Board Connectors, Wire-to-Wire Connectors
<b>Number of Pieces:</b>	311
<b>RoHS:</b>	Yes

### Specifications

<b>Circuit Size(s):</b>	2, 4, 6
<b>Color:</b>	White, Tan
<b>Crimp Terminal:</b>	Male, Female
<b>Current Rating:</b>	2.25-4.5A
<b>Flammability Rating:</b>	UL94V-0
<b>Mounting Style:</b>	PCB Through Hole, Panel Mount
<b>Orientation:</b>	Vertical Headers, Receptacles, Plugs, Right Angle
<b>Pitch:</b>	4.14mm (.163")
<b>Rows:</b>	Single Row, Dual Row
<b>Tool Included:</b>	No
<b>Voltage Rating:</b>	600V
<b>Wire Gauge (AWG):</b>	26-22

### Product Highlights

The Mini-Universal MATE-N-LOK connector system is a compact and durable connector system that utilizes a combination of pins and sockets intermixed in the plug and cap housings to achieve the maximum electrical performance in a 4.14mm centerline. The Mini-Universal MATE-N-LOK housings are fully polarized to provide proper plug-to-cap mating incorporating a positive locking mechanism to help prevent accidental disengagement of mated connectors. The contacts are completely enclosed in housings, have low mating force and are removable to maintain flexibility in the system. Not only is the Mini-Universal MATE-N-LOK connector system available in the standard panel mount, free hanging and wire-to-board capability, it also offers a sealed connector system ideal wherever moisture resistance is required or where there is high humidity, intermittent liquid splashing, or foam-in applications.

#### Features and Benefits

- Compact, durable housings
- Pins and sockets can be accommodated in the same housings
- Contacts fully protected in the housings
- Both pins and sockets can be used on the power supply wiring
- Fully polarized to provide proper plug-to-cap mating incorporating a positive locking mechanism to help prevent accidental disengagement of mated connectors
- Also facilitates panel mounting
- Low insertion/extraction forces



## Applications

- Appliances
- HVAC Systems
- Power Supplies
- Fan Modules
- Lighting
- Wiring Harness Assemblies
- White Goods



**Bill of Materials**

Part No.	Qty In Kit	Description	Datasheet	P/N Details	Search Distributors Inventory
<a href="#">770985-1-C</a>	100	Mini-Universal MATE-N-LOK Pins 26-22 AWG	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">770986-1-C</a>	100	Mini-Universal MATE-N-LOK Sockets 26-22 AWG	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">172165-1</a>	12	Mini-Universal MATE-N-LOK Plug, 2 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">172167-1</a>	6	Mini-Universal MATE-N-LOK Plug, 4 Circuits - DUAL ROW Style	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">172168-1</a>	4	Mini-Universal MATE-N-LOK Plug, 6 Circuits - DUAL ROW Style	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">172157-1</a>	3	Mini-Universal MATE-N-LOK Receptacle, 2 Circuits, Panel Moun...	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">172159-1</a>	2	Mini-Universal MATE-N-LOK Receptacle, 4 Circuits, Panel Moun...	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">172160-1</a>	2	Mini-Universal MATE-N-LOK Receptacle, 6 Circuits, Panel Moun...	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">1-770872-0</a>	3	Mini-Universal MATE-N-LOK Vertical Header without Drain Hole...	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">1-770874-0</a>	2	Mini-Universal MATE-N-LOK Vertical Header without Drain Hole...	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">1-770875-0</a>	1	Mini-Universal MATE-N-LOK Vertical Header without Drain Hole...	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">1-770966-0</a>	3	Mini-Universal MATE-N-LOK 2 Right Angle Header, 2 Circuits, ...	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">1-770968-0</a>	2	Mini-Universal MATE-N-LOK 2 Right Angle Header, 4 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">1-770969-0</a>	1	Mini-Universal MATE-N-LOK 2 Right Angle Header, 6 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">794894-1</a>	2	Mini-Universal MATE-N-LOK Plug Sealed, 2 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">794805-1</a>	2	Mini-Universal MATE-N-LOK Plug Sealed, 4 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">794895-1</a>	1	Mini-Universal MATE-N-LOK Plug Sealed, 6 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">794896-1</a>	2	Mini-Universal MATE-N-LOK Receptacle Sealed, 2 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">794939-1</a>	2	Mini-Universal MATE-N-LOK Receptacle Sealed, 4 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">794940-1</a>	1	Mini-Universal MATE-N-LOK Receptacle Sealed, 6 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">794995-1</a>	10	Mini-Universal MATE-N-LOK Cavity Plug	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">794758-1</a>	50	Mini-Universal MATE-N-LOK Wire Seal, 1 Circuit	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>

**Recommended Tool**

Part No.	Included in Kit
<a href="#">91500-1</a>	No





Wire-to-Wire and Wire-to-Board Category

Part No. 1-2110852-5

**BILL OF MATERIALS**

For more Part Numbers visit [www.products.te.com/Key1-2110852-5](http://www.products.te.com/Key1-2110852-5)

Part No.	Qty	Description
170001	1	170001-0000 170001-0000 170001-0000
170002	1	170002-0000 170002-0000 170002-0000
170003	1	170003-0000 170003-0000 170003-0000
170004	1	170004-0000 170004-0000 170004-0000
170005	1	170005-0000 170005-0000 170005-0000
170006	1	170006-0000 170006-0000 170006-0000
170007	1	170007-0000 170007-0000 170007-0000
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170028	1	170028-0000 170028-0000 170028-0000
170029	1	170029-0000 170029-0000 170029-0000
170030	1	170030-0000 170030-0000 170030-0000

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21			

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For more Part Numbers visit [www.products.te.com/Key1-2110852-5](http://www.products.te.com/Key1-2110852-5)

NOTE: Quantities are shown for 1 kit only. Additional quantities available at [www.products.te.com](http://www.products.te.com) or contact your local TE representative for details.

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Wire-to-Wire and Wire-to-Board Category



Kit Part No. **1-2110852-5**

## Mini Universal MATE-N-LOK Connector Kit

Deluxe Through Hole Vertical and Right Angle Header, Plug, Receptacle and Sealed Components

- 4.14mm Pitch
  - 2, 4 and 6 Circuits
  - Male and Female Crimp Terminals: 26-22 AWG
  - 2.25-4.5 Amps\*, 600 Volts
  - Flammability Rating: UL 94V-0
- \* depends on wire

Additional kits available at: [www.productkits.com](http://www.productkits.com)

Mini Universal MATE-N-LOK Connectors offer current ratings up to 9.5 Amps when used with 14-16WG wire and applicable contacts. NOTE: ALL OF TE Connectivity, TE Connectivity Group and TE Logo are trademarks of the TE Connectivity Ltd. family of companies.

**DISCLAIMER:** Failure to follow all instructions in applicable Specifications (134-16017, 114-18809 Data Sheet at [www.te.com/documents](http://www.te.com/documents)), including using only approved TE tooling (if applicable), can result in improper installation and/or stripping which is dangerous and may cause or contribute to electrical fires. Should be used only by trained individuals with proper training and experience.

**311**  
pieces



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