



### General Information

<b>Kit Part Number:</b>	<a href="#">1-2110852-1</a>
<b>Description:</b>	Vertical Header and Plug 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>	Off the Board
<b>Product Type:</b>	Wire-to-Board Connectors
<b>Number of Pieces:</b>	138
<b>RoHS:</b>	Yes

### Specifications

<b>Circuit Size(s):</b>	2, 3, 4, 5, 9
<b>Color:</b>	White, Tan
<b>Crimp Terminal:</b>	Female
<b>Current Rating:</b>	2.85-5.7A
<b>Flammability Rating:</b>	UL94V-0
<b>Mounting Style:</b>	PCB Through Hole
<b>Orientation:</b>	Vertical Plugs, Vertical Headers
<b>Pitch:</b>	4.14mm (.163")
<b>Rows:</b>	Single Row, Dual Row, Matrix
<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

- 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="#">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="#">1-770872-0</a>	5	Mini-Universal MATE-N-LOK Vertical Header without Drain Hole...	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">1-770873-0</a>	5	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>	4	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>	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="#">1-770876-0</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="#">172165-1</a>	5	Mini-Universal MATE-N-LOK Plug, 2 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">172166-1</a>	5	Mini-Universal MATE-N-LOK Plug, 3 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">172167-1</a>	4	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>	3	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="#">172169-1</a>	2	Mini-Universal MATE-N-LOK Plug, 9 Circuits - MATRIX Style	<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







**TE** connectivity  
Authorized  
Distributor

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

## Mini Universal MATE-N-LOK Connector Kit

Vertical Header and Plug

- 4.18mm Pitch
- 2, 3, 4, 6 and 9 Circuits
- Female Crimp Terminals: 26-22 AWG
- 2.85-5.7 Amps, 600 Volts
- Flammability Rating: UL 94V-0

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

Mini Universal MATE-N-LOK Connectors offer current ratings up to 5 Amps when used with 26 AWG wire and applicable contacts. MATE-N-LOK, TE Connectivity, TE connectivity logo and TE logo are trademarks of the TE Connectivity Ltd. family of companies.

**WARNING:** Failure to follow all instructions in Application Specification (39-10057) (available at [www.teconnectivity.com](http://www.teconnectivity.com)), including using only approved TE marking (if applicable), can result in improper installation and/or circuiting which in turn may cause or contribute to electrical fires. Please be sure only to install with proper training and equipment.

**138**  
pieces



Product from TE Connectivity,  
designed and assembled by  
Waldom Electronics.

# Mouser Electronics

Authorized Distributor

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