



General Information

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

Specifications

Circuit Size(s):	2, 4, 6
Color:	White, Tan
Crimp Terminal:	Male, Female
Current Rating:	2.25-4.5A
Flammability Rating:	UL94V-0
Mounting Style:	PCB Through Hole, Panel Mount
Orientation:	Vertical Headers, Receptacles, Plugs, Right Angle
Pitch:	4.14mm (.163")
Rows:	Single Row, Dual Row
Tool Included:	No
Voltage Rating:	600V
Wire Gauge (AWG):	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
770985-1-C	100	Mini-Universal MATE-N-LOK Pins 26-22 AWG	Datasheet	Details	Search
770986-1-C	100	Mini-Universal MATE-N-LOK Sockets 26-22 AWG	Datasheet	Details	Search
172165-1	12	Mini-Universal MATE-N-LOK Plug, 2 Circuits	Datasheet	Details	Search
172167-1	6	Mini-Universal MATE-N-LOK Plug, 4 Circuits - DUAL ROW Style	Datasheet	Details	Search
172168-1	4	Mini-Universal MATE-N-LOK Plug, 6 Circuits - DUAL ROW Style	Datasheet	Details	Search
172157-1	3	Mini-Universal MATE-N-LOK Receptacle, 2 Circuits, Panel Moun...	Datasheet	Details	Search
172159-1	2	Mini-Universal MATE-N-LOK Receptacle, 4 Circuits, Panel Moun...	Datasheet	Details	Search
172160-1	2	Mini-Universal MATE-N-LOK Receptacle, 6 Circuits, Panel Moun...	Datasheet	Details	Search
1-770872-0	3	Mini-Universal MATE-N-LOK Vertical Header without Drain Hole...	Datasheet	Details	Search
1-770874-0	2	Mini-Universal MATE-N-LOK Vertical Header without Drain Hole...	Datasheet	Details	Search
1-770875-0	1	Mini-Universal MATE-N-LOK Vertical Header without Drain Hole...	Datasheet	Details	Search
1-770966-0	3	Mini-Universal MATE-N-LOK 2 Right Angle Header, 2 Circuits, ...	Datasheet	Details	Search
1-770968-0	2	Mini-Universal MATE-N-LOK 2 Right Angle Header, 4 Circuits	Datasheet	Details	Search
1-770969-0	1	Mini-Universal MATE-N-LOK 2 Right Angle Header, 6 Circuits	Datasheet	Details	Search
794894-1	2	Mini-Universal MATE-N-LOK Plug Sealed, 2 Circuits	Datasheet	Details	Search
794805-1	2	Mini-Universal MATE-N-LOK Plug Sealed, 4 Circuits	Datasheet	Details	Search
794895-1	1	Mini-Universal MATE-N-LOK Plug Sealed, 6 Circuits	Datasheet	Details	Search
794896-1	2	Mini-Universal MATE-N-LOK Receptacle Sealed, 2 Circuits	Datasheet	Details	Search
794939-1	2	Mini-Universal MATE-N-LOK Receptacle Sealed, 4 Circuits	Datasheet	Details	Search
794940-1	1	Mini-Universal MATE-N-LOK Receptacle Sealed, 6 Circuits	Datasheet	Details	Search
794995-1	10	Mini-Universal MATE-N-LOK Cavity Plug	Datasheet	Details	Search
794758-1	50	Mini-Universal MATE-N-LOK Wire Seal, 1 Circuit	Datasheet	Details	Search

Recommended Tool

Part No.	Included in Kit
91500-1	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/1-2110852-5

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
170008	1	170008-0000 170008-0000 170008-0000
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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/1-2110852-5

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

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

TE connectivity Authorized Distributor

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

Mini Universal MATE-N-LOK Connectors offer current ratings up to 9.5 Amps when used with 14-16AWG 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) located at www.te.com/documents, including using only approved TE tooling (if applicable), can result in improper installation and/or wiring 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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Product from TE Connectivity.
Kits designed and assembled
by Waldom Electronics.