



General Information

Kit Part Number:	1-2110852-8
Description:	Deluxe Plug and Receptacle Connector Kit
Application:	Appliance Industries, Fan Modules, HVAC Systems, Power Supplies, White Goods, Wiring Harness Assemblies
Family:	Mini-Universal MATE-N-LOK, Universal MATE-N-LOK, Universal MATE-N-LOK II
TE Brand:	AMP Products
Solution:	Free Hanging, Lighting
Product Type:	Wire-to-Wire Connectors
Number of Pieces:	578
RoHS:	Yes

Specifications

Circuit Size(s):	2, 3, 4, 6
Color:	White, Tan
Crimp Terminal:	Male, Female
Current Rating:	3-6A, 6.5-17A, 7.5-17A
Flammability Rating:	UL94V-0
Mounting Style:	Free-Hanging
Orientation:	Receptacles, Plugs
Pitch:	4.14mm (.163"), 6.35mm (.250")
Rows:	Single Row, Dual Row
Tool Included:	No
Voltage Rating:	600V
Wire Gauge (AWG):	20-14, 26-22

Product Highlights

The Universal MATE-N-LOK connector system is a robust and highly reliable connector system that utilizes a combination of pins and sockets intermixed in the plug and cap (receptacle) housings to achieve the maximum electrical performance in a 6.35mm centerline. The Universal MATE-N-LOK housings feature positive polarization, positive locking and rear cavity identification in every housing allowing for easy, error proof assembly. The contacts are completely enclosed in housings, have low mating force and are removable to maintain flexibility in the system. In addition to the standard panel mount, free hanging and wire-to-board capability in vertical or right angle options, the Universal MATE-N-LOK connector system offers additional designs including circular, flanged, bulkhead, sealed and colored housings to offer a solution for nearly every application. 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

- Pins and sockets can be intermixed in the same housing
- Contacts completely enclosed in housings
- Positive polarization
- UL 94V-O flame retardant material
- Positive locking housings



- Removable, crimp snap-in contacts
- Dual locking lances provide optimum contact stability
- Low contact mating force
- 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

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
350547-1-C	100	Universal MATE-N-LOK Male Terminals 20-14 AWG	Datasheet	Details	Search
350550-1-C	100	Universal MATE-N-LOK Female Terminals 20-14 AWG	Datasheet	Details	Search
350777-1	5	Universal MATE-N-LOK Plug, White Color, 2 Circuits	Datasheet	Details	Search
350778-1	5	Universal MATE-N-LOK Receptacle, White Color, 2 Circuits	Datasheet	Details	Search
350766-1	4	Universal MATE-N-LOK Plug, White Color, 3 Circuits	Datasheet	Details	Search
350767-1	4	Universal MATE-N-LOK Receptacle, White Color, 3 Circuits	Datasheet	Details	Search
350779-1	4	Universal MATE-N-LOK Plug, White Color, 4 Circuits	Datasheet	Details	Search
350780-1	4	Universal MATE-N-LOK Receptacle, White Color, 4 Circuits	Datasheet	Details	Search
350715-1	3	Universal MATE-N-LOK Plug, White Color, 6 Circuits	Datasheet	Details	Search
350781-1	3	Universal MATE-N-LOK Receptacle, White Color, 6 Circuits	Datasheet	Details	Search
770017-1	3	Universal MATE-N-LOK II Plug, 2 Circuits	Datasheet	Details	Search
770018-1	2	Universal MATE-N-LOK II Plug, 3 Circuits	Datasheet	Details	Search
770020-1	1	Universal MATE-N-LOK II Plug, 6 Circuits	Datasheet	Details	Search
770024-1	3	Universal MATE-N-LOK II Receptacle, 2 Circuits	Datasheet	Details	Search
770025-1	2	Universal MATE-N-LOK II Receptacle, 3 Circuits	Datasheet	Details	Search
770026-1	1	Universal MATE-N-LOK II Receptacle, 4 Circuits	Datasheet	Details	Search
770027-1	1	Universal MATE-N-LOK II Receptacle, 6 Circuits	Datasheet	Details	Search
172165-1	5	Mini-Universal MATE-N-LOK Plug, 2 Circuits	Datasheet	Details	Search
172166-1	4	Mini-Universal MATE-N-LOK Plug, 3 Circuits	Datasheet	Details	Search
172167-1	4	Mini-Universal MATE-N-LOK Plug, 4 Circuits - DUAL ROW Style	Datasheet	Details	Search
172168-1	3	Mini-Universal MATE-N-LOK Plug, 6 Circuits - DUAL ROW Style	Datasheet	Details	Search
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
172157-1	5	Mini-Universal MATE-N-LOK Receptacle, 2 Circuits, Panel Moun...	Datasheet	Details	Search
172158-1	4	Mini-Universal MATE-N-LOK Receptacle 3 Circuits Panel Mount	Datasheet	Details	Search
172159-1	4	Mini-Universal MATE-N-LOK Receptacle, 4 Circuits, Panel Moun...	Datasheet	Details	Search
172160-1	3	Mini-Universal MATE-N-LOK Receptacle, 6 Circuits, Panel Moun...	Datasheet	Details	Search
770250-1	50	Universal MATE-N-LOK II Male Terminals 20-14 AWG	Datasheet	Details	Search
770251-3	50	Universal MATE-N-LOK II Female Terminals 20-14 AWG	Datasheet	Details	Search



770019-1	1	Universal MATE-N-LOK II Plug, 4 Circuits	Datasheet	Details	Search
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Recommended Tool

Part No.	Included in Kit
91522-1	No
91500-1	No





Kit Part No: **1-2110852-8**

Wire-to-Wire Category

BILL OF MATERIALS

To order the kit please visit www.product.ty.com/day/1-2110852-8

Part No	QTY	Description
000001	1	General Kit bag with 1000 pieces of wire
000002	1	General Kit bag with 1000 pieces of wire
000003	1	General Kit bag with 1000 pieces of wire
000004	1	General Kit bag with 1000 pieces of wire
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6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

Get Diagram
Free with kit bags.

NOTE: Please refer to the kit bag for the Bill of Materials (BOM) and the kit bag for the kit bag. To order the kit please visit www.product.ty.com/day/1-2110852-8 or contact a TE Connectivity authorized distributor.





Kit Part No. **1-2110852-8**

Universal MATE-N-LOK, Universal MATE-N-LOK II and Mini Universal MATE-N-LOK Connector Kit

Deluxe Plug and Receptacle

- 4, 14 and 6.35mm Pitches
- 2, 3, 4 and 6 Circuits
- Male and Female Crimp Terminals: 26-22 and 20-14 AWG
- 3-6, 6.5-17 and 7.5-17 Amps, 600 Volts
- Flammability Rating: UL 94V-0

¹ Dependent on AWG.

Additional kits available at: www.productkits.com

Universal MATE-N-LOK Connectors offer current ratings up to 29 Amps when used with 10 AWG and 9.5 Amps when used with 16 AWG wire and applicable contacts. MATE-N-LOK, TE Connectivity, TE Connectivity (tag) and TE (tag) are trademarks of the TE Connectivity Ltd. family of companies.

WARNING: Failure to follow all instructions in Application Specification 114-1100, 114-1104, 114-1607 (available at www.te-connectivity.com), including using only approved TE tooling (if applicable), can result in improper installation and/or crimping which is dangerous and may cause or contribute to electrical fires. Should be used only by individuals with proper training and experience.

578
pieces



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