

350829-4 ✓ ACTIVE

MATE-N-LOK | Universal MATE-N-LOK

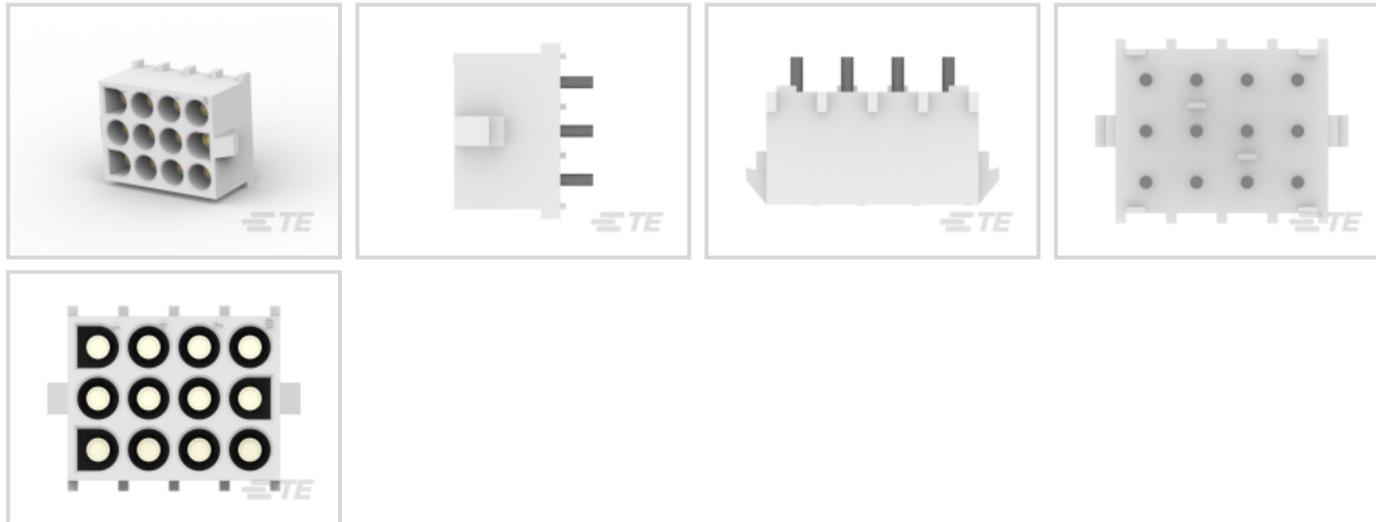
TE Internal #: 350829-4

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12
Position, 6.35 mm [.25 in] Centerline, Printed Circuit Board,
Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **12**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	12
PCB Mount Orientation	Vertical
Number of Power Positions	12
Number of Rows	4

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Contact Features

Contact Layout	Matrix
----------------	--------



Multiple Contact Types	Without
Contact Current Rating (Max)	12 A, 19 A
Contact Retention Within Housing	Without
Contact Type	Socket
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 – .91 μm [30 – 36 μin]
Underplate Material Thickness	1.27 μm [50 μin]
Contact Termination Area Plating Thickness	2.54 μm [100 μin]

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Positive Lock

Housing Features

Centerline (Pitch)	6.35 mm[.25 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Insulation Diameter (Max)	5.08 mm
Row-to-Row Spacing	6.35 mm[.25 in]
Width	20.32 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
	.03 – .09 in



Height	13.97 mm
--------	----------

Length	26.67 mm
--------	----------

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
-----------------------------	----------------------------

Operation/Application

Assembly Integration Feature	Without
------------------------------	---------

Circuit Application	Power
---------------------	-------

Industry Standards

CSA Rating	Certified
------------	-----------

UL Flammability Rating	UL 94V-0
------------------------	----------

Glow Wire Rating	Standard Part - Not Glow Wire
------------------	-------------------------------

Agency/Standard Number	E28476
------------------------	--------

Agency/Standard	CSA, UL
-----------------	---------

UL Rating	Recognized
-----------	------------

CSA File Number	LR7189
-----------------	--------

VDE Tested	Yes
------------	-----

Packaging Features

Packaging Method	Bag & Box
------------------	-----------

Packaging Quantity	75
--------------------	----

Other

For Use With	Mates with Plug Housing (Using Pin Contacts)
--------------	--

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
------------------------------	-----------

EU ELV Directive 2000/53/EC	Compliant
-----------------------------	-----------

China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
---	---

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
--	---

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per
-----------------	--



homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

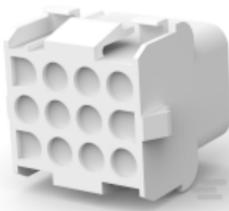
Compatible Parts



TE Part # 350735-1
12P UMNL PLUG HSG



TE Part # 926681-3
12P UNIV.CAP HSG.



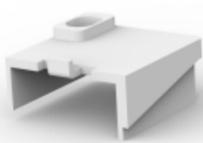
TE Part # 926681-1
UNIV.M-N-L.CAP HSG.



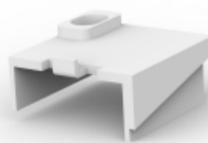
TE Part # 350812-1
STR/REL CLAMP UMNL



TE Part # 794279-1
12P UMNL INTERFACE SEAL



TE Part # 640717-1
12P UMNL STR/REL



TE Part # 1-640723-0
12P UMNL STR/REL & INSRT NATL



TE Part # 794280-1
12P UMNL WIRE SEAL



TE Part # 1-350590-0
STR/REL CLAMP NATL



TE Part # 770022-1
12P UMNLII IN-LNE PLUG HSG KIT



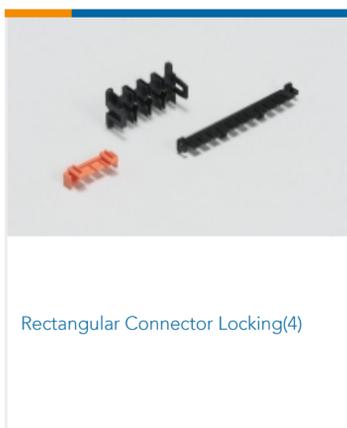
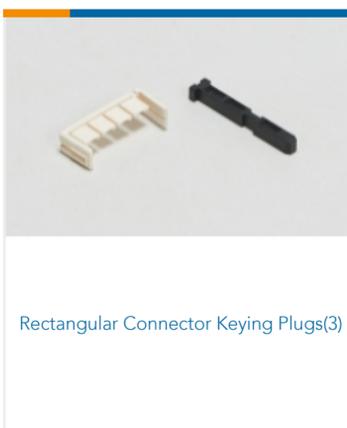
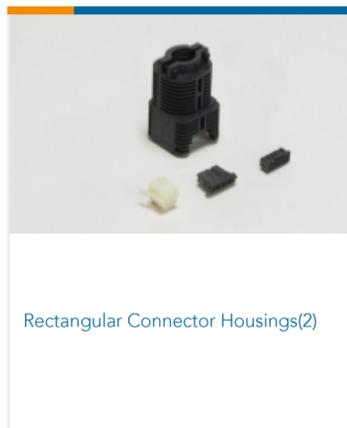
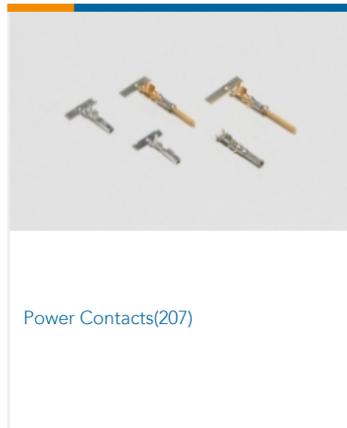
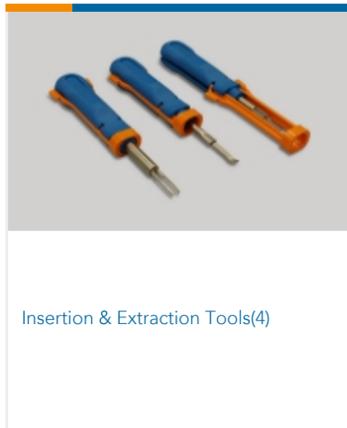
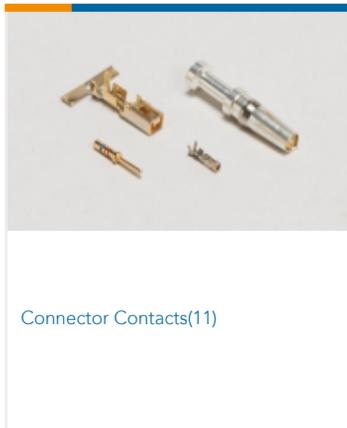
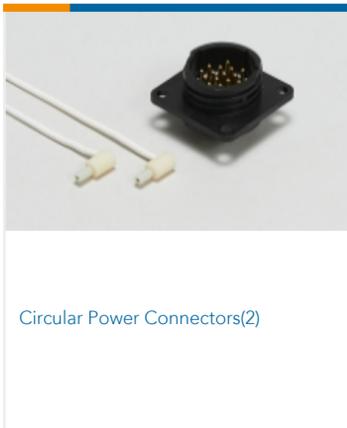
TE Part # 1586854-1
12P UMNL CAP HSG, GW



TE Part # 1-350848-2
12P UMNL PLUG TEST ASSY 94VO



Also in the Series | **Universal MATE-N-LOK**



Documents



Product Drawings

12P UMNL HDR ASSY PC 94VO LF

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_350829-4_S.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350829-4_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350829-4_S.3d_stp.zip](#)

English

3D PDF

English

Customer View Model

[ENG_CVM_350829-4_M.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_350829-4_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_350829-4_M.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

CSA Certificate

English