



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

TE Internal #: 640586-1
Rectangular Power Connectors, Housing, Plug, Wire-to-Board /
Wire-to-Wire, 8 Position, .25 in [6.35 mm] Centerline, Wire & Cable,
Universal MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **8**

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

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Inline
Multiple Contact Types	Without
Contact Retention Within Housing	Without



Contact Type	Socket
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Centerline (Pitch)	6.35 mm[.25 in]
Housing Color	Natural
Housing Material	Nylon
Dimensions	
Width	14.73 mm
Length	52.07 mm
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Assembly Integration Feature	Without
Circuit Application	Power & Signal
Industry Standards	
CSA Rating	Certified
UL Flammability Rating	UL 94V-2
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	Package
Packaging Quantity	1
Other	



For Use With	Universal MATE-N-LOK Cap or Header
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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	Not applicable for solder process capability

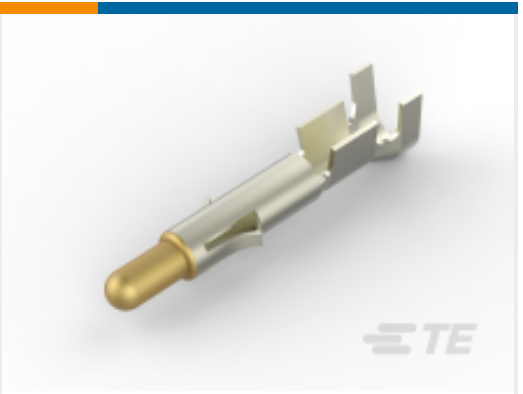
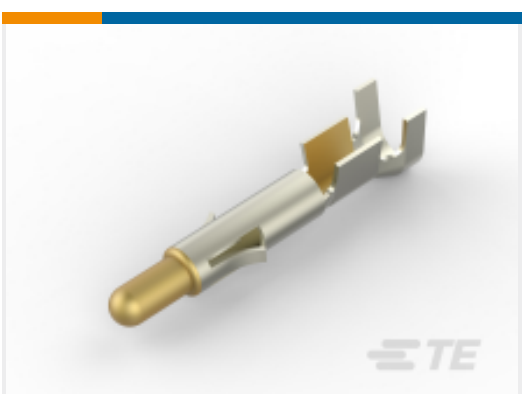
Product Compliance Disclaimer

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>

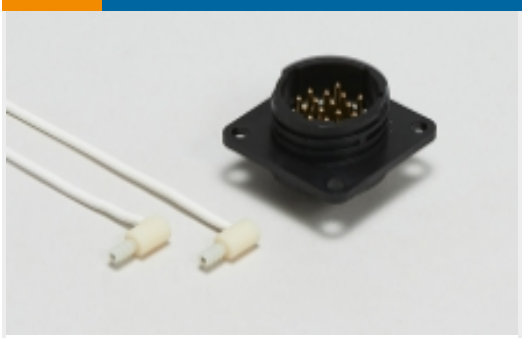
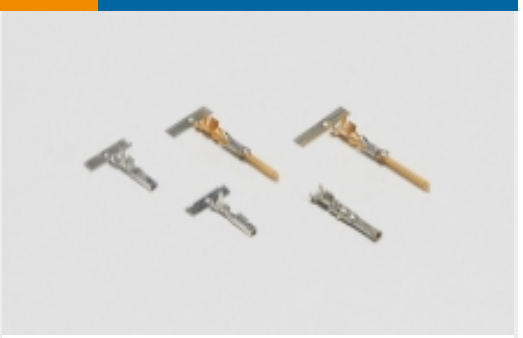
Compatible Parts

 TE Part # 640309-6 UMNL PIN 12-10 AU/PHBZ	 TE Part # 350551-6 UMNL SOK 20-14 AU/PHBZ L/P	 TE Part # 350690-2 UMNL PIN 24-18 AUBR L/P	 TE Part # 926902-3 UNIV-MNL SPLIT ST
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 TE Part # 350550-7 UMNL SOK 20-14 AU/BR L/P	 TE Part # 350690-3 UMNL PIN 24-18 PTPPHBZ L/P	 TE Part # 350689-7 UMNL SOK 24-18 AUBR L/P	 TE Part # 350547-7 UMNL PIN 20-14 AUBR L/P
 TE Part # 350689-2 UMNL SOK 24-18 AUBR L/P	 TE Part # 640310-3 UMNL SOK 12-10 PTPPHBZ	 TE Part # 350689-3 UMNL SOK 24-18 PTPPHBZ L/P	 TE Part # 350690-7 UMNL PIN 24-18 AUBR L/P
 TE Part # 350689-1 UMNL SOK 24-18 PTPBR L/P	 TE Part # 926893-3 UNIV.M-N-L.SOCKET	 TE Part # 350547-3 UMNL PIN 20-14 PTPPHBZ L/P	 TE Part # 350551-7 UMNL SOK 20-14 AU/BR L/P
 TE Part # 350547-2 UMNL PIN 20-14 AUBR L/P	 TE Part # 350550-2 UMNL SOK 20-14 AU/BR L/P	 TE Part # 350550-3 UMNL SOK 20-14 PTPPHBZ L/P	 TE Part # 770672-1 UMNL PIN 30-26 PTPBR L/P

Also in the Series | Universal MATE-N-LOK

 Circular Power Connectors(2)	 Connector Contacts(11)	 Insertion & Extraction Tools(4)	 Power Contacts(207)
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Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(729)

Customers Also Bought



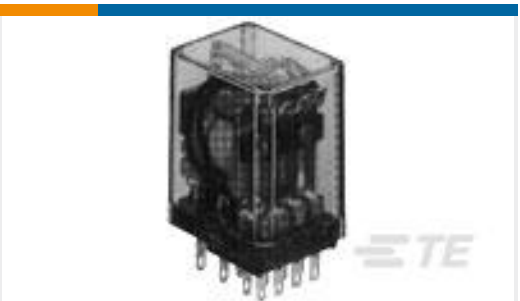
TE Part #3-1879452-7
TE 750W 1K0 5% Bracket



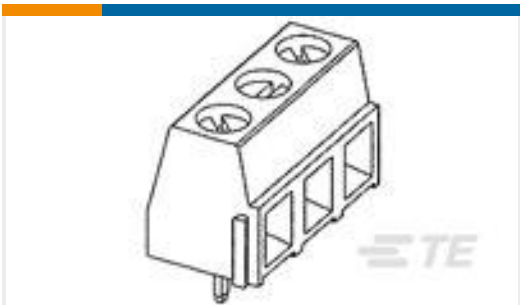
TE Part #770581-1
12P MINI UMNPL PLUG HSG



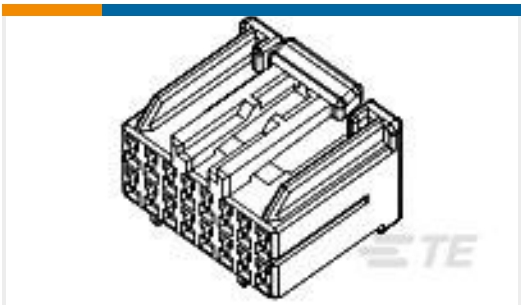
TE Part #321015
TERMINAL,PIDG R 26-22 2



TE Part #2-1393123-9
KHU-17A12-120=KH



TE Part #1-282836-3
TERMI BLOK PCB MOUNT SIDE ENTR



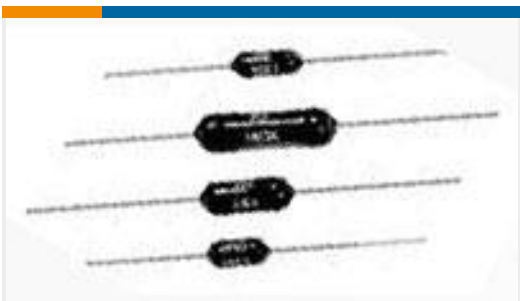
TE Part #917989-1
HYBRID MK-2 PLUG HSG ASSY 22P



TE Part #1-322985-0
TERMINAL,PIDG SPD 12-10 6



TE Part #40660
RING 164(4.17 MM) TERMINAL 18-14 AWG BR



TE Part #2-1879668-1
H4 174R 0.1% 25PPM



TE Part #4-641436-5
15P MTA156 CONN ASSY LF

Documents



Product Drawings

08P UMNL PLUG HSG V2 NATL

English

CAD Files

Customer View Model

ENG_CVM_CVM_640586-1_AM.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_640586-1_AM.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_640586-1_AM.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

MD_640586-1_060720181343_dmtec

English

MD_640586-1_060720181343_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate

English