

770585-1 ✓ ACTIVE

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

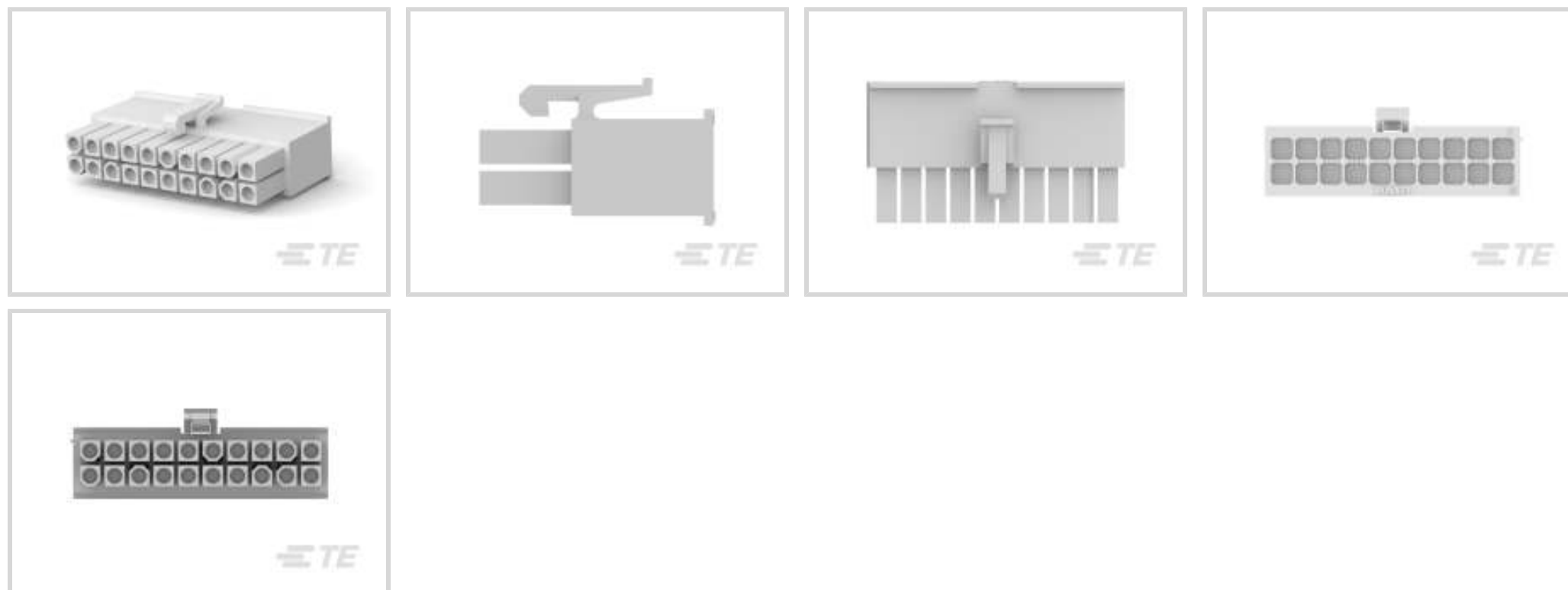
TE Internal #: 770585-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 20
Position, 4.14 mm [.162 in] Centerline, Wire & Cable, Mini-Universal
MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **20**

Centerline (Pitch): **4.14 mm [.162 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Multiple Contact Types	Without
Contact Retention Within Housing	Without
Contact Type	Socket



Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	4.14 mm [.162 in]
Housing Color	White
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	4.14 mm [.162 in]
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Usage Conditions

Operating Temperature Range	-20 – 105 °C [-4 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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 2023
(235)Candidate List Declared Against: JAN 2023
(233)

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

 <p>TE Part # 1-794106-0 20P MINI UMNL R/A HDR ASSY</p>	 <p>TE Part # 1-770988-1 MINI UMNL SOK 22-18AWG LP LF</p>	 <p>TE Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP</p>	 <p>TE Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP</p>
 <p>TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP</p>	 <p>TE Part # 1-794070-0 20P MINI UMNL HDR W/DH SN LF</p>	 <p>TE Part # 1-794077-0 20P MINI UMNL HDR W/O DH SN LF</p>	 <p>TE Part # 1-770988-0 MINI UMNL SOK 22-18AWG AU</p>




TE Part # 1-794059-0
MINI UMNL PIN L/P LF



TE Part # 770988-1
MINI UMNL SOK 22-18AWG SN LP



TE Part # 770986-1
MINI UMNL SOK 26-22AWG SN LP



TE Part # 794058-1
MINI UMNL SOK L/P



TE Part # 170365-3
MINI UNIVERSAL M-N-L SOCKET LP



TE Part # 170364-3
MINI UNIVERSAL M-N-L PIN LP



TE Part # 770985-1
MINI UMNL PIN 26-22AWG SN LP



TE Part # 1-794077-1
20P MINI UMNL HDR W/O DH AU LF



TE Part # 1-794407-1
MINI UMNL SOK 20-16 AWG AU LF



TE Part # 1-794070-1
20P MINI UMNL HDR W/DH AU LF




TE Part # 171638-1
MINI U-M-N-L PIN CONT. L.P

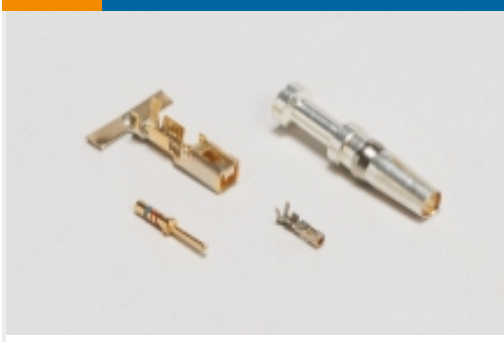


TE Part # 171639-1
MINI U-M-N-L SOCKET L.P


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




Connector Backshells(2)



Connector Contacts(9)



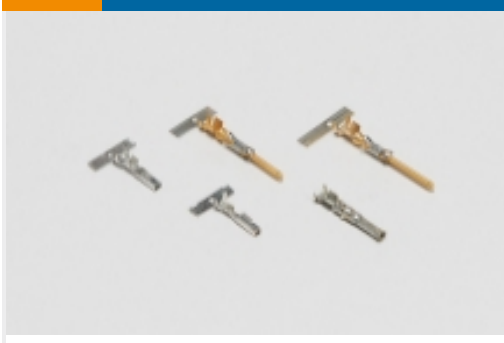
Connector Strain Relief(2)




Insertion & Extraction Tools(1)




PCB Headers & Receptacles(1)



Power Contacts(84)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)

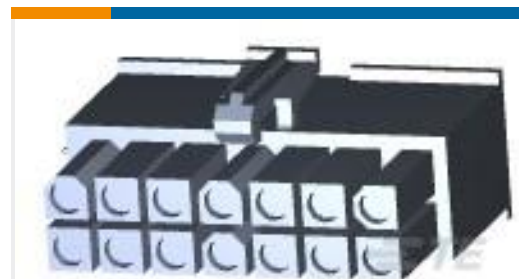
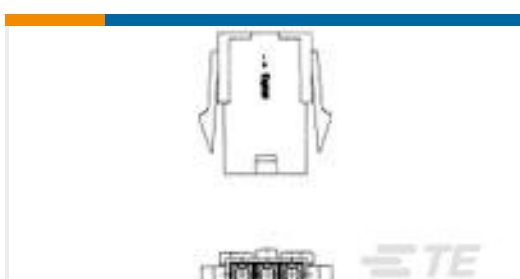


Rectangular Connector Seals(17)



Rectangular Power Connectors(243)

Customers Also Bought

TE Part #1-1609034-9
20VSB1=F8333TE Part #770586-1
22P MINI UMNL PLUG HSGTE Part #770587-1
24P MINI UMNL PLUG HSGTE Part #770582-1
14P MINI UMNL PLUG HSGTE Part #1-794077-0
20P MINI UMNL HDR W/O DH SN LFTE Part #T1329036120-000
H3A-MTG-M20TE Part #6609977-3
36AYA6A = F7747ATE Part #1776302-1
TSB100001DS=EUROPA TM BLK,
12MMTE Part #1586023-4
4P S/R PM PLUG VAL-U-LOK V0

Documents

Product Drawings

[20P MINI UMNL PLUG HSG](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_770585-1_N.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_770585-1_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770585-1_N.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_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Engineering Report](#)

English

Product Environmental Compliance

[MD_770585-1_060820181210_dmtec](#)

English

[MD_770585-1_060820181210_dmtec](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[Agency Approval Document](#)

English