

04P MINI UMNL R/A HDR ASSY AU

✓ ACTIVE

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

TE Part # 770968-2

TE Internal #: 770968-2

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Header**

Housing Type: **Plug**

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

Number of Positions: **4**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	4
PCB Mount Orientation	Right Angle
Number of Power Positions	4
Number of Signal Positions	0
Number of Rows	2
Row-to-Row Spacing	4.14 mm[.163 in]

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Termination Area Plating Finish	Matte
Multiple Contact Types	Without
Contact Current Rating (Max)	9.5 A
Contact Retention	Without
Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.76 µm[30 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Chamfered Edges
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Locking Tab

Housing Features

Centerline (Pitch)	4.14 mm[.162 in]
UL Flammability Rating	UL 94V-0
Housing Color	White
Housing Material	Nylon

Dimensions

Width	12.7 mm
Height	11.86 mm
Length	9.86 mm

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power

Industry Standards

CSA Rating	Certified
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	No

Packaging Features

Packaging Method	Bag
Packaging Quantity	200

Other

For Use With	Plug Housing
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月（197） SvHCs候选清单的声明更新至: 2019年1月（197）
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not lead free process capable

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 794805-1 4 CIR UMNL PLUG, ROUND HOLES	TE Part # 794188-1 04P MINI UMNL2 PLUG HSG UL94V0	TE Part # 172167-1 4 CIR UNIV M-N-L PLUG	TE Part # 794772-4 04P MINI UMNL SEAL, DIE CUT

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

Connector Contacts(12)	Power Contacts(85)	Rectangular Backshells & Clamps(2)	Rectangular Boots & Strain Relief(2)
Rectangular Connector Keying Plugs(2)	Rectangular Connector Seals(18)	Rectangular Power Connectors(290)	Wire-to-Board Headers & Receptacles(1)

Customers Also Bought

04P MINI UMNL R/A HDR ASSY AU

TE Part # 770968-2
TE Internal #: 770968-2



TE Part #1-745967-4
25 RCPT SP/FMS SCRLK



TE Part #770969-2
06P MINI UMNL R/A HDR ASSY AU



TE Part #5-104550-2
20 SYS50 SURFMNT DRST RCPT SN



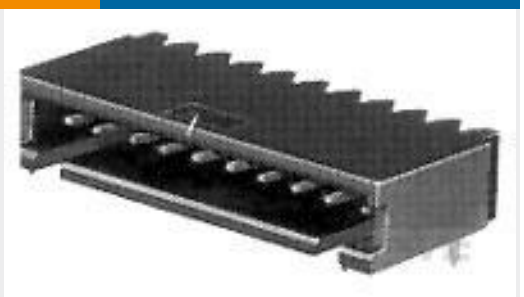
TE Part #1-770970-1
08P MINI UMNL R/A HDR ASSY LF



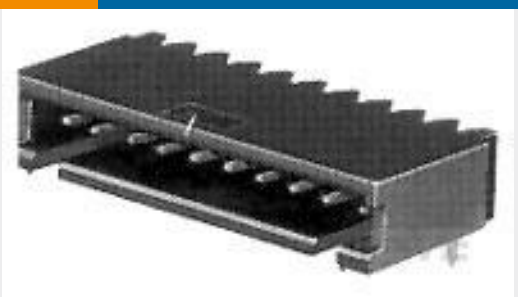
TE Part #535074-1
EURO SHROUD 96 POS



TE Part #747844-5
09 MSFL RCPT RA 318 (SL, FM,BL)



TE Part #3-102203-4
03 MODII HDR SRRA SHRD .100CL



TE Part #8-102203-4
03 MODII HDR SRRA SHRD LF



TE Part #103361-1
03 MODII HDR SRRA SHRD .100CL



TE Part #770182-2
09P MINI-UMNL ASSY VO SNAU

Documents

Product Drawings

04P MINI UMNL R/A HDR ASSY AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770968-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770968-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770968-2_E.3d_stp.zip

English

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG



English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English

Agency Approval Document

English