12 CIR UNIV M-N-L CAP ✔ ACTIVE

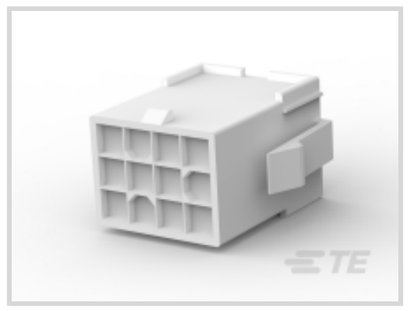
MATE-N-LOK | Mini-Universal MATE-N-LOK

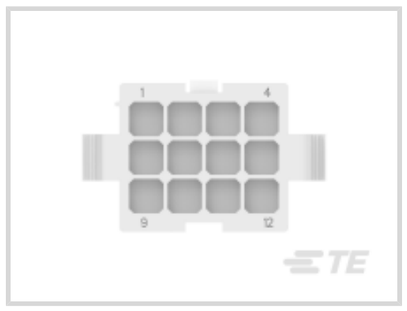
TE Part # 172162-1

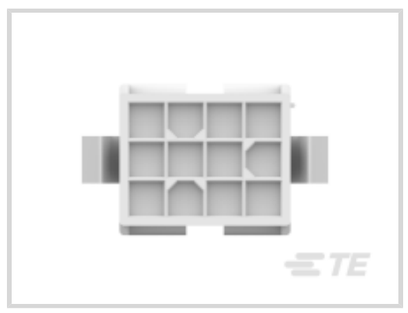
TE Internal #: 172162-1

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors





Product Type: **Housing**

Housing Type: **Receptacle**

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

Number of Positions: **12**

Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

Product Type	Housing
Housing Type	Receptacle
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Contact Type	Pin

Configuration Features

Number of Positions	12
Number of Rows	3
Row-to-Row Spacing	4.2 mm[.165 in]

Electrical Characteristics

Operating Voltage	600 VDC

Contact Features

Multiple Contact Types	Without
Contact Retention	Without

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Mounting Ears
Connector Mounting Type	Panel

Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
UL Flammability Rating	UL 94V-0
Housing Color	Natural
Housing Material	Nylon 66

Dimensions

Width	18.2 mm
Panel Thickness	.8 – 2 mm[.031 – .078 in]
Length	23.7 mm

Usage Conditions

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

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power & Signal

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	500

Other

For Use With	Mini-Universal MATE-N-LOK Cap Housing

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	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 applicable for solder process capability

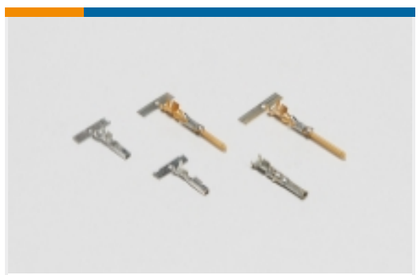
Product Compliance Disclaimer

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 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



Connector Contacts(5)



Power Contacts(78)

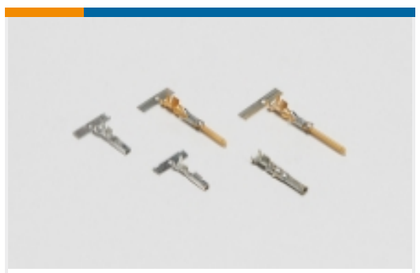


Rectangular Power Connectors(1)

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



Connector Contacts(11)



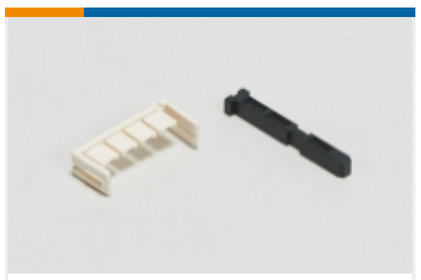
Power Contacts(85)



Rectangular Backshells & Clamps(2)



Rectangular Boots & Strain Relief(2)



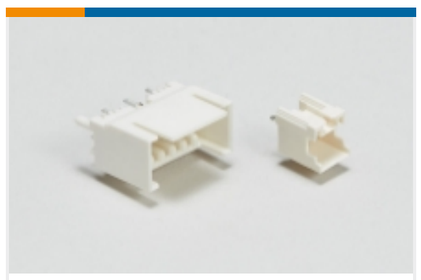
Rectangular Connector Keying Plugs(2)



Rectangular Connector Seals(18)



Rectangular Power Connectors(290)



Wire-to-Board Headers & Receptacles(1)

Customers Also Bought



TE Part #1-917807-2
DYNAMIC D-5200M REC HSG 4P X-X



TE Part #172170-1
12 CIR UNIV M-N-L PLUG



TE Part #172171-1
15 CIR UNIV M-N-L PLUG



TE Part #172161-1
9 CIR UNIV M-N-L CAP



TE Part #1-178288-3
DYNAMIC 3100 REC HSG 3P (SGL)



TE Part #171822-3
EIS REC. HSG 3P-NATURAL



TE Part #171636-1
MINI U-M-N-L PIN CONTACT



TE Part #170362-1
UNIV M-N-L SOC. 22-18 AWG



TE Part #170360-1
UNIV M-N-L PIN 22-18 AWG



TE Part #178289-3
3.81 DYNAMIC REC HSG 6P D--D

Documents

Product Drawings

12 CIR UNIV M-N-L CAP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_172162-1_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172162-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_172162-1_K.3d_stp.zip

English

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

1-1773458-0_MINI_UNIVERSAL_MATE_N_LOK_CONNECTOR_SYSTEM_QRG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_172162-1_0606201876_dmtec

English

MD_172162-1_0606201876_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English

Agency Approval Document

English