770997-1 ✔ ACTIVE

MATE-N-LOK | Commercial MATE-N-LOK

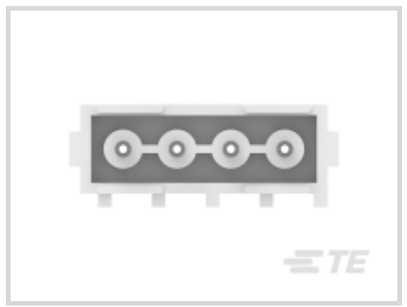
TE Internal #: 770997-1

Commercial MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 4 Position, 5.08mm [.2in] Centerline, Printed Circuit Board

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: **4**

Centerline (Pitch): **5.08 mm [.2 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	4
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Layout	Inline

Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Socket
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Detent Lock

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Width	6.22 mm
Height	11.18 mm
Length	20.93 mm

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL

UL Rating	Certified, Recognized
CSA File Number	LR16455
VDE Tested	No

Packaging Features

Packaging Method	Package
Packaging Quantity	1

Other

For Use With	Pin (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	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

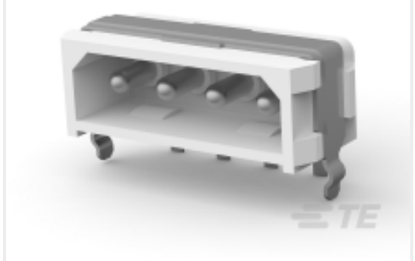
Product Compliance Disclaimer

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 # 1-480426-0
04P CMNL CAP HSG F/H NATL



TE Part # 174804-1
M-N-L PIN HDR W/FIX BELT H 4P



TE Part # 174552-1
4P C-MNL PIN HDR R/A



TE Part # 1586542-1
04P CMNL SOK HDR ASSY LF

Also in the Series | Commercial MATE-N-LOK



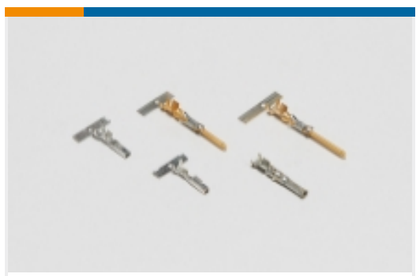
Connector Contacts(26)



Crimp Wire Pins, Tabs & Ferrules(3)



Insertion & Extraction Tools(5)



Power Contacts(129)



Rectangular Caps & Covers(2)



Rectangular Connector Housings(17)



Rectangular Connector Seals(1)



Rectangular Power Connectors(171)



Standard Circular Connectors(4)

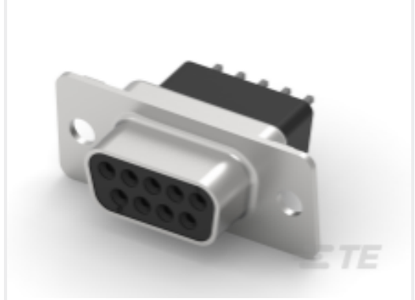


Standard Rectangular Connectors(10)

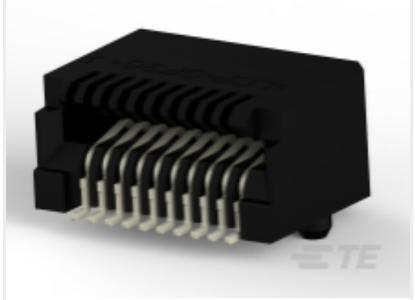


Wire-to-Board Connector Contacts(1)

Customers Also Bought



TE Part #2-5747706-0
D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm



TE Part #1888247-1
SFP Connectors



TE Part #1-338314-2
D-Sub Receptacle Assembly: Vertical, Shell Size 2, 2.74mm



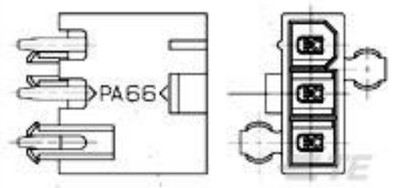
TE Part #1-6609006-8
CORCOM EEJ SERIES IEC FILTERED INLETS



TE Part #8-1879208-1
CPF 0402 22K 0.1% 25PPM 1K RL



TE Part #1676332-2
RN 0805 3K83 0.1% 10PPM 1KRL



TE Part #2029058-4
4P VAL-U-LOK SR HDR SN V2 WODH



TE Part #2-1624094-5
3613C 0.68UH 20%



TE Part #2-2176092-3
RP 2A 0.25W 1K15 0.1% 25PPM 1K RL

TE Part #1825027-1
FSMRA1JHL04=R/A,TACT PB SW,100

Documents

Product Drawings

04P CMNL SOK HDR ASSY

English

CAD Files

3D PDF

3D

3D PDF

English

Customer View Model

ENG_CVM_770997-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_770997-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_770997-1_C.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_770997-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770997-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770997-1_B.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

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