770149-1 ✔ ACTIVE

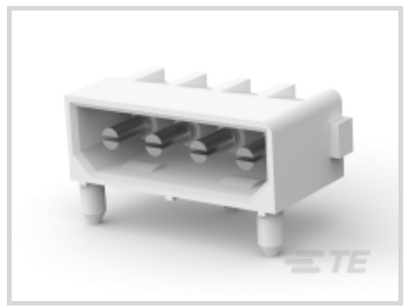
MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 770149-1

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

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors







Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **4**

Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	4
PCB Mount Orientation	Right Angle
Number of Power Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

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

Termination Features

Termination Post & Tail Length	1.16 mm[.026 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
Mating Retention Type	Detent Lock
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	12.3 mm
Product Width	8.76 mm
Product Length	23.26 mm

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

CSA Rating	LR 16455
UL Rating	Certified, Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	20
Packaging Method	Box & Tube, Tube

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

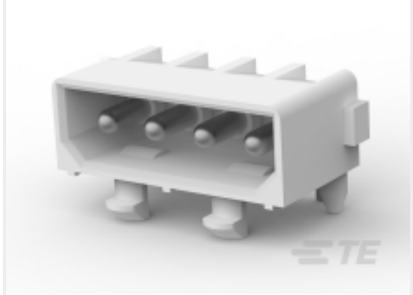
Product Compliance Disclaimer

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



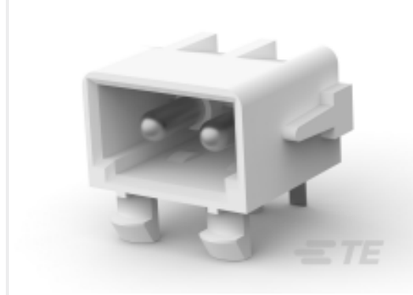
TE Part # 770846-1
04P CMNL HDR ASSY R/A BLK HT



TE Part # 1-641737-1
04P CMNL HDR ASSY R/A V0



TE Part # 643488-1
03P CMNL HDR ASSY R/A



TE Part # 794120-1
02P CMNL PC HDR ASSY RA



TE Part # 794236-1
04P CMNL HDR ASSY V0



TE Part # 350209-1
02P CMNL HDR ASSY PC NATL



TE Part # 1586627-1
04P CMNL HDR VRT W/DH LF



TE Part # 770829-1
04P CMNL HDR R/A BLK HT T/L



TE Part # 174520-1
4P CMNL PIN HDR ASSY V



TE Part # 827001-2
4P MNL STIFTSOCKEL



TE Part # 794697-1
04P CMNL HDR ASSY R/A PC NATL

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



Connector Contacts(150)



Connector Seals & Cavity Plugs(1)



Crimp Wire Pins, Tabs & Ferrules(2)



Insertion & Extraction Tools(3)



Rectangular Connector Housings(9)



Rectangular Power Connectors(167)

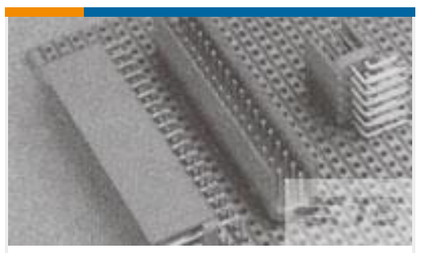


Standard Circular Connectors(2)

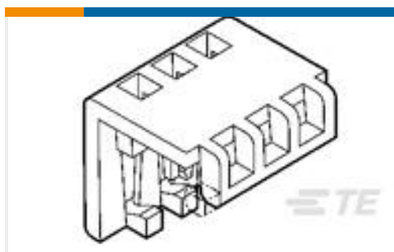


Standard Rectangular Connectors(7)

Customers Also Bought



TE Part # 281739-6
HEADER HE14 STRAIGHT 2X6 P



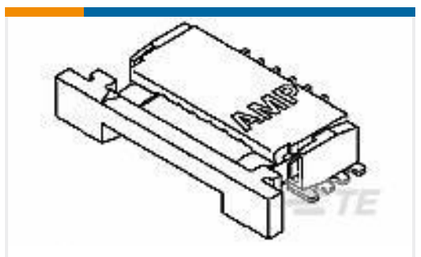
TE Part # 643075-3
03P MTA100 MOLDED COVER



TE Part # 3-640440-5
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



TE Part # 2-84953-0
1MM FPC HORZ.TOP CONT.ASSY 20P



TE Part # 84952-6
1MM FPC HORZ.BTTM CONT.ASS.6P



TE Part # 9-1879212-1
CPF 0402 21R 0.1% 25PPM 1K RL



TE Part # 154763-E
SMCB 12 M AB VV 7-03 CL * 0007 137 E004



TE Part # 244854-E
SMCQ 12 M AB VV 8-03 CL * H007 137 E005

Documents

Product Drawings

04P CMNL PIN HDR ASSY R/A

English

CAD Files

Customer View Model

ENG_CVM_770149-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_770149-1_C.3d_stp.zip

English

Customer View Model

ENG_CVM_770149-1_C.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Product Specifications

Application Specification

English