

770149-1 ✓ ACTIVE

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

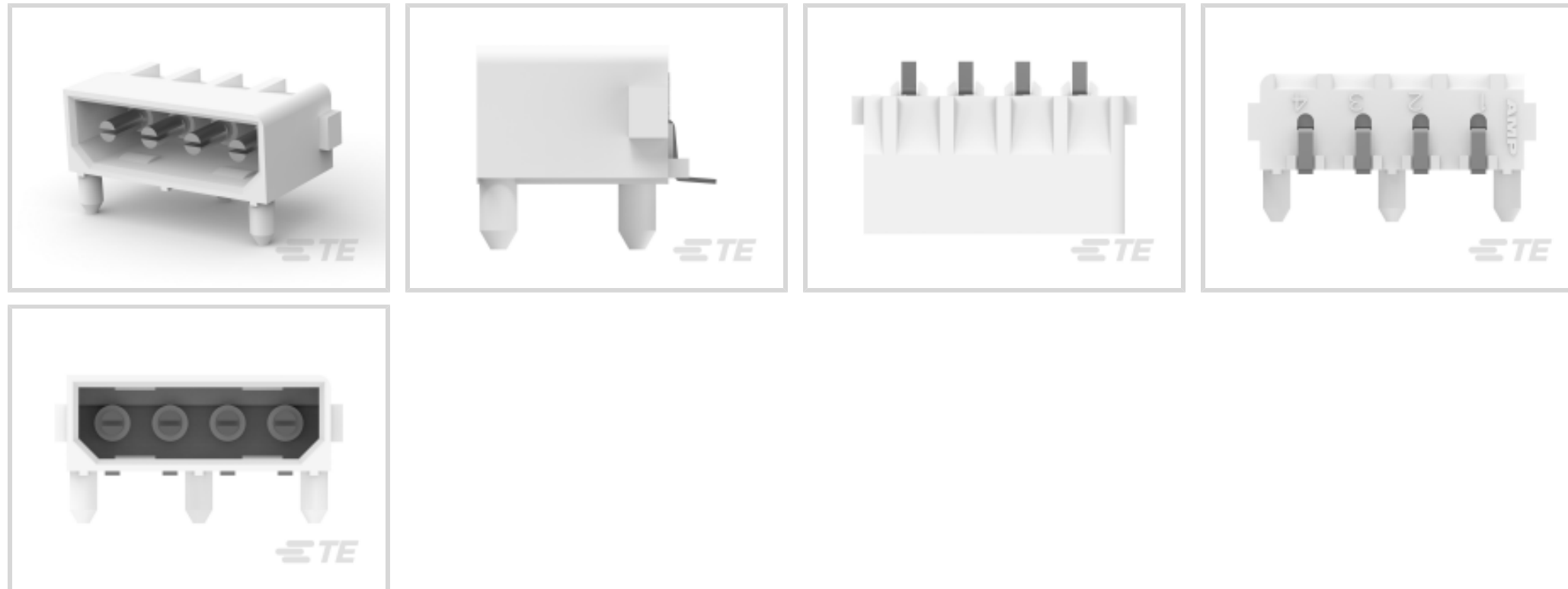
TE Internal #: 770149-1

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 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$]
-----------------------------	--

Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards



CSA Rating	LR 16455
UL Rating	Certified, Recognized
Agency/Standard	CSA, UL
Approved Standards	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

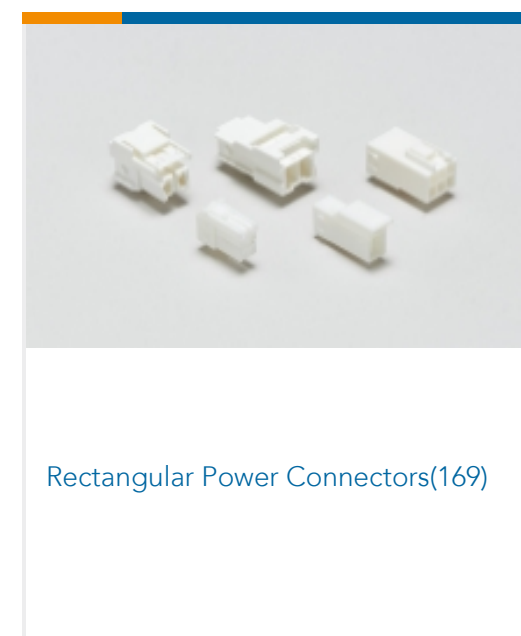
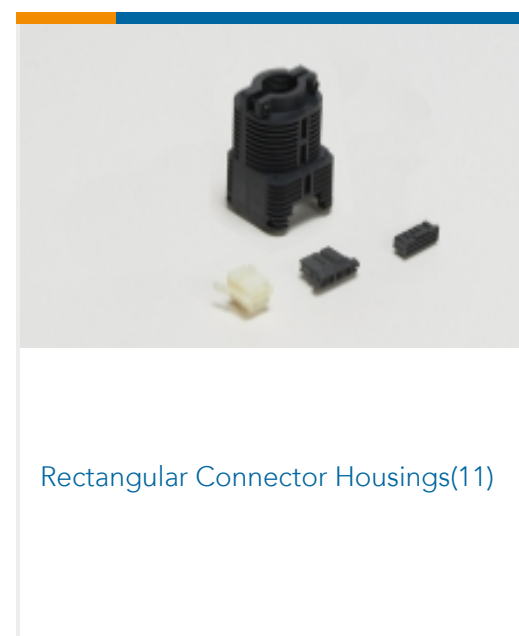
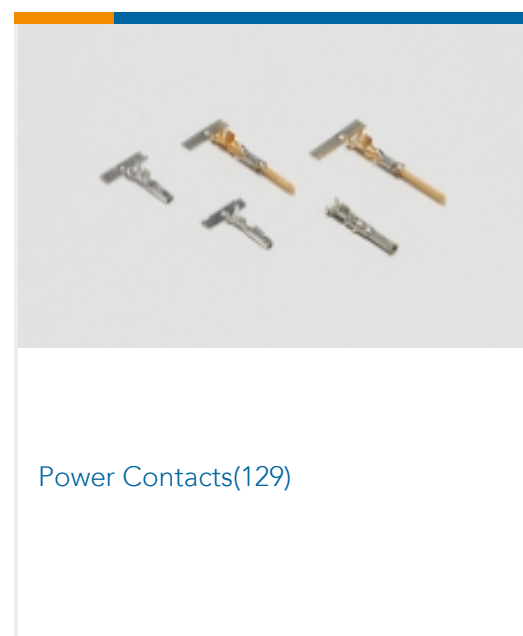
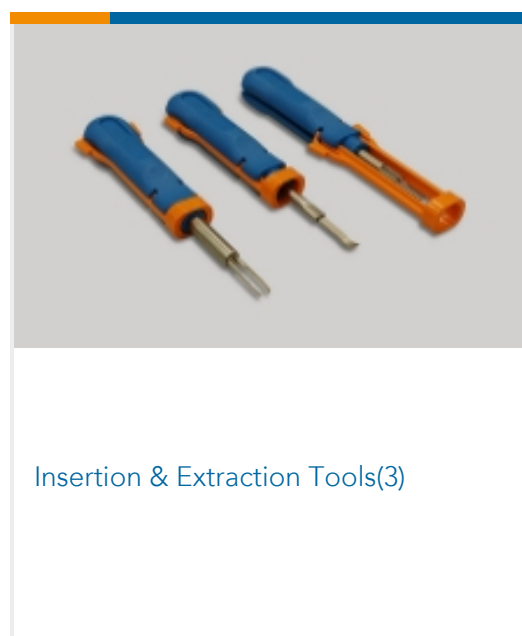
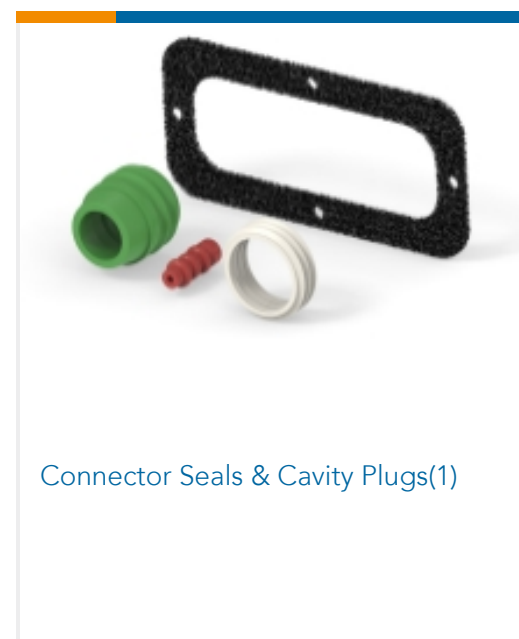
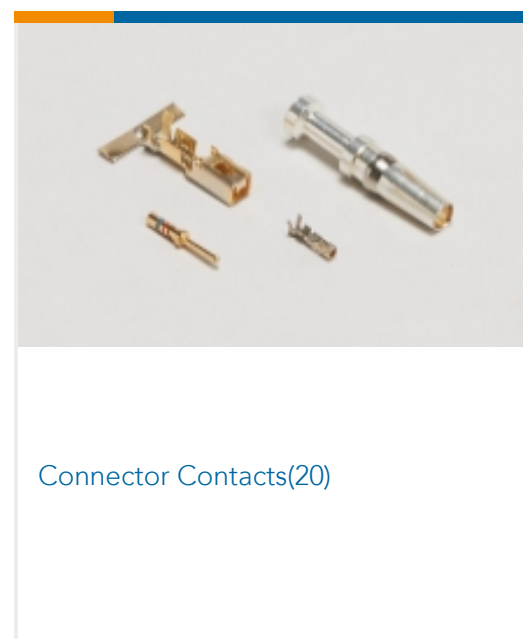
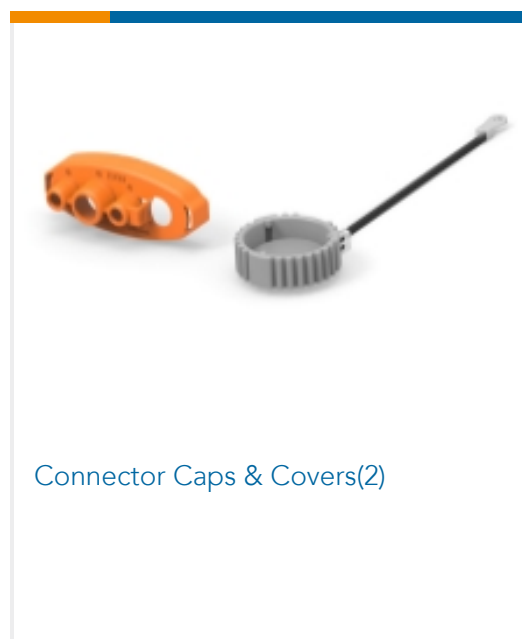
Product Compliance Disclaimer

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



Also in the Series | Commercial MATE-N-LOK





Standard Circular Connectors(2)

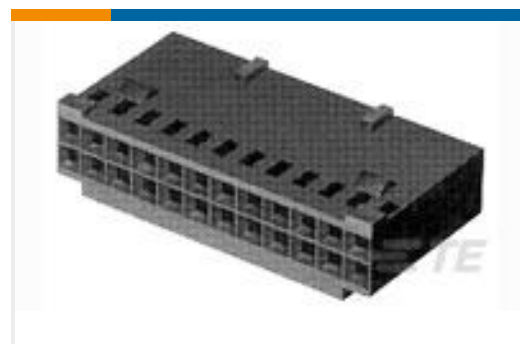
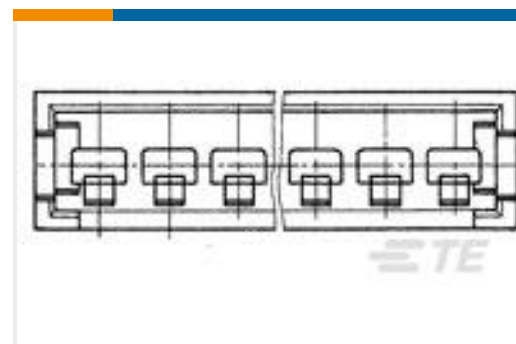


Standard Rectangular Connectors(7)



Wire-to-Board Connector Contacts(1)

Customers Also Bought

TE Part #86557-6
FPC PIN ROUND WIRE PLATEDTE Part #2-644486-3
03P MTA100 SHRDED HDR ASSY SNTE Part #1757819-1
AMPLIMITE,ASY,PLUG,STD,109,ZN,1TE Part #1757820-1
AMPLIMITE,ASY,RCPT,STD,109,ZN,1TE Part #163304-2
MATENLOK SOCKET SDWTE Part #87631-2
06 MODIV HSG DR MRKD .100 POLTE Part #280633
AMPMODU II COSI PIN HSG, SGL ROW, 10 POSTE Part #1676305-3
RN 0805 32K4 0.1% 10PPM 5KRLTE Part #2176088-4
RP 1J 0.166W 806R 0.1% 25PPM 1K RLTE Part #1461352-5
PCH-112L2M,000

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 Conditions](#) of use.

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English