



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Plug**

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

Number of Positions: **4**

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

Features

Product Type Features

Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	4
Number of Power Positions	4
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Contact Features

Contact Layout	Inline
----------------	--------



Multiple Contact Types	Without
Contact Current Rating (Max)	13 A
Contact Retention Within Housing	With
Contact Type	Socket
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
Wire Type	Stranded

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Mating Retention Type	Detent Lock

Housing Features

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

Dimensions

Wire Size	.8 – .9 mm ²
Width	6.23 mm
Height	20.93 mm
Accepts Wire Insulation Diameter Range	2.41 mm[.095 in]
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	Yes

Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

Other

For Use With	Header, 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: JUNE 2022 (224) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Not Yet Reviewed
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

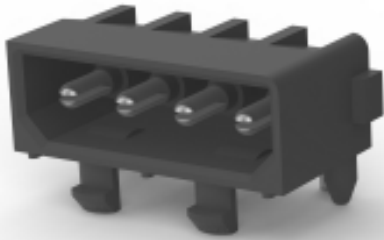
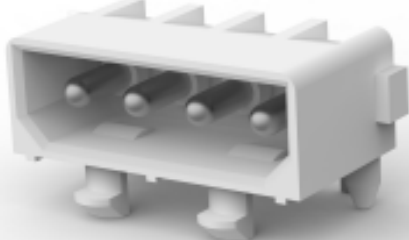
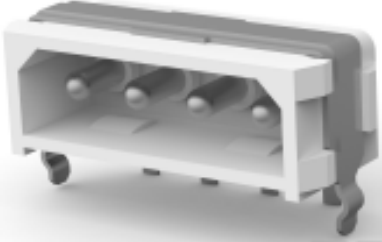
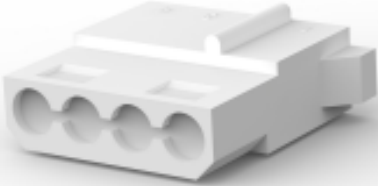
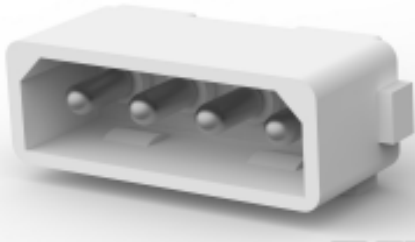
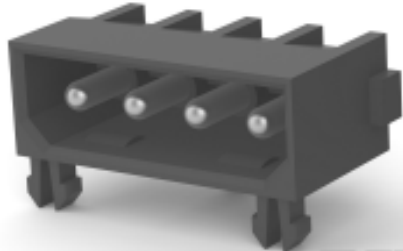
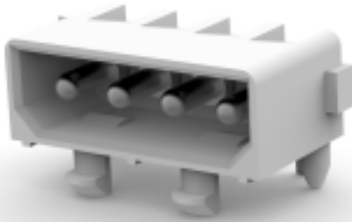
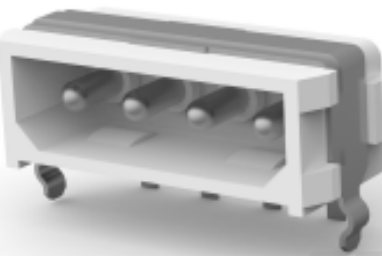
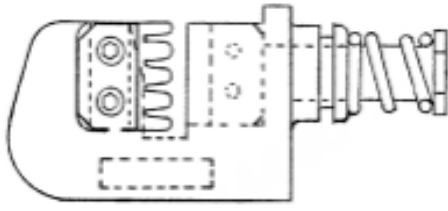
Product Compliance Disclaimer

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 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 # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 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 # 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 # 770827-1 04P CMNL PLUG HSG 94-VO	 TE Part # 350211-1 04P CMNL HDR ASSY PC	 TE Part # 770829-1 04P CMNL HDR R/A BLK HT T/L
 TE Part # 641737-1 04P CMNL HDR ASSY R/A PC NATL	 TE Part # 350424-1 04P CMNL HDR ASSY PC NATL	 TE Part # 770232-1 CMNL IDC COVER	 TE Part # 770233-1 CMNL IDC COVER
 TE Part # 174552-1 4P C-MNL PIN HDR R/A	 TE Part # 231894-1 HEAD (IDC) M-N-L W/O TL		

Also in the Series | Commercial MATE-N-LOK



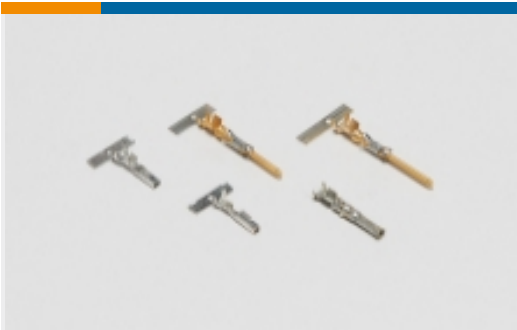
Connector Contacts(26)



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(170)



Standard Circular Connectors(4)

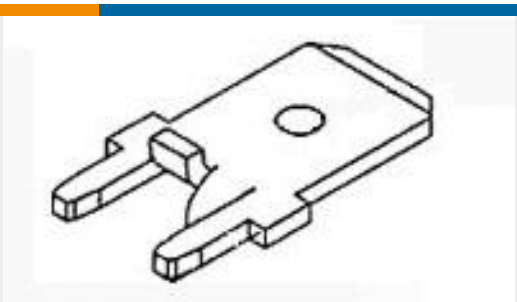


Standard Rectangular Connectors(10)

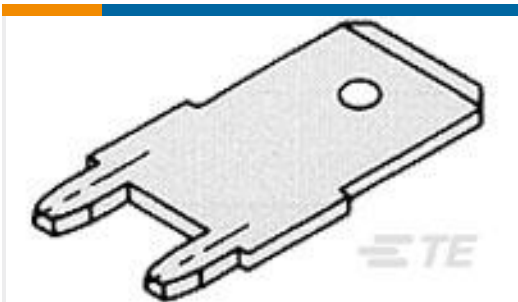


Wire-to-Board Connector Contacts(1)

Customers Also Bought



TE Part #1217167-1
250 FASTON,PCB TAB,TCBR



TE Part #63650-1
250 FASTON TAB TPBR



TE Part #2007088-2
CONNECTOR ASSEMBLY, SEC II
POWER, P+16S



TE Part #6-66460-6
PIN,.062 DIA,.025 SQ POST,LP



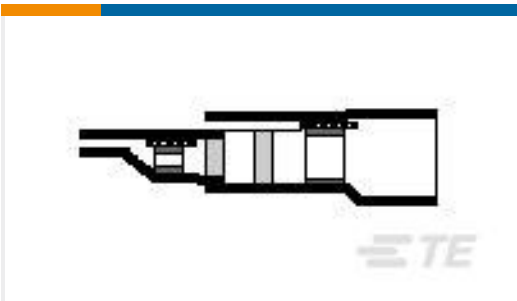
TE Part #7-1734857-5
PCI EXP STRADDLE 98P BLK 30u"



TE Part #2842162-5
10P,2MM,BRK HDR,DRRT,2.8,0.1AU,
BOX



TE Part #YDTS20F15-35SNV001
RECP ASSY



TE Part #089827-000
B-040-26-N

Documents



CAD Files

3D PDF

English

Customer View Model

ENG_CVM_770156-3_F.3d_igs.zip

English

Customer View Model

ENG_CVM_770156-3_F.3d_stp.zip

English

Customer View Model

ENG_CVM_770156-3_F.2d_dxf.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

Japanese

MATE-N-LOK Commercial IDC (Insulation Displacement Connectors)

Japanese

Application Specification

English

MATE-N-LOK Commercial IDC (Insulation Displacement Connectors)

English

Product Environmental Compliance

MD_770156-3_04222016232_dmtec

English

MD_770156-3_04222016232_dmtec

English