



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
Connector & Housing Type: **Receptacle**
Mating Retention: **With**
Mating Retention Type: **Latch**
Termination Method to Wire & Cable: **Crimp**

Features

Product Type Features

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

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

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Contact Type	Pin
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Contact Current Rating (Max)	7.5 A
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
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Panel Mount Feature	Without
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Mating Retention	With
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Mating Retention Type	Latch
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Entry Configuration	Both Ends Closed
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Centerline (Pitch)	2.5 mm[.098 in]
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Housing Material	Nylon GF
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Dimensions

Connector Width	18.17 mm[.715 in]
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Compatible Insulation Diameter Range	1.3 – 1.7 mm[.051 – .067 in]
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Connector Height	6.6 mm[.26 in]
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Connector Length	7.5 mm[.295 in]
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Wire Size	.13 – .33 mm²
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Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Glow Wire
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Packaging Features

Packaging Quantity	10000
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Packaging Method	Bag
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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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # 1969591-2
HSG,REC,PANEL MOUNT,GWT, SINGLE ROW,EP2.5

TE Part # 1969589-5
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

TE Part # 1-1969589-2
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

TE Part # 1-1969589-4
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

TE Part # 1-1969589-1
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

TE Part # 1969589-6
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

TE Part # 1969589-8
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

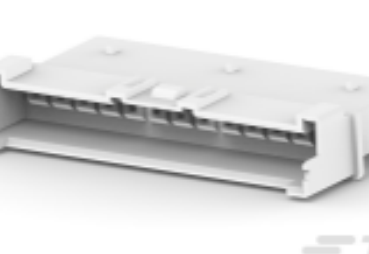
TE Part # 1969589-7
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



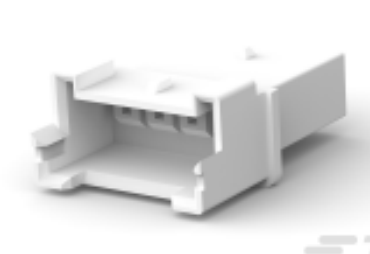
TE Part # 2238008-1
TERMINAL, PIN, LANCELESS, 20-24
AWG, EP2



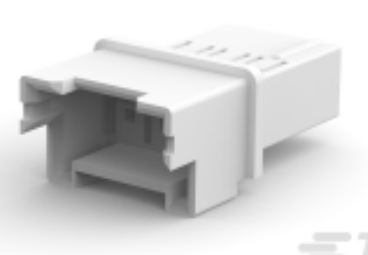
TE Part # 1969589-9
HSG, REC,FREE-HANG,GWT, SINGLE
ROW,EP2.5



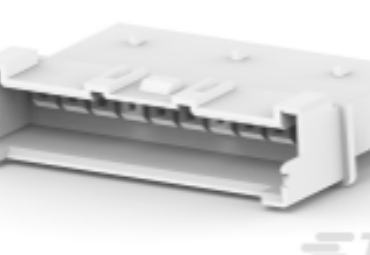
TE Part # 1-1969589-3
HSG, REC,FREE-HANG,GWT, SINGLE
ROW,EP2.5



TE Part # 1969589-4
HSG, REC,FREE-HANG,GWT, SINGLE
ROW,EP2.5



TE Part # 1969589-3
HSG, REC,FREE-HANG,GWT, SINGLE
ROW,EP2.5



TE Part # 1-1969589-0
HSG, REC,FREE-HANG,GWT, SINGLE
ROW,EP2.5



TE Part # 2482324-1
EXTRACTION TOOL

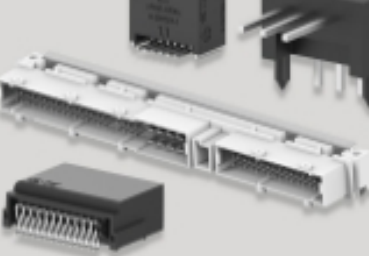
Also in the Series | Economy Power 2.5



Connector Contacts(6)



Connector Hardware(49)



PCB Headers & Receptacles(533)



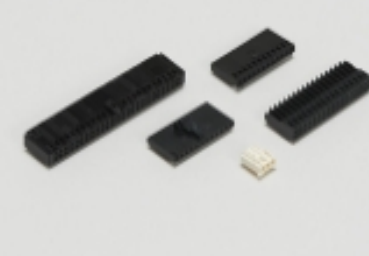
Rectangular Connector Housings(305)



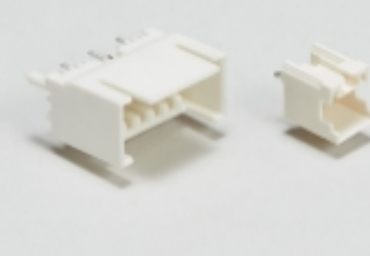
Rectangular Power Connectors(835)



Standard Rectangular Connectors(305)



Wire-to-Board Connector Assemblies
& Housings(134)



Wire-to-Board Headers & Receptacles
(533)

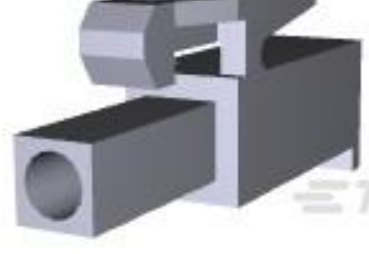
Customers Also Bought



TE Part #NB08004001
HTAT-4/1-0-SP



TE Part #172156-1
1 CIR UNIV M-N-L CAP



TE Part #172164-1
1 CIR UNIV M-N-L PLUG

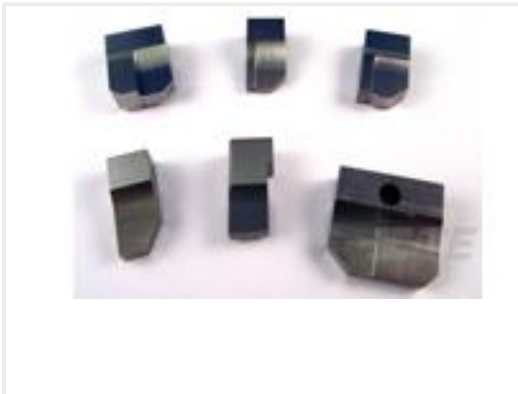


TE Part #1379217-1
5POS MIXED MQS REC COD Z





TE Part #1379218-1
COVER FOR 5W MPQ+MQS HSG



TE Part #2-1633132-3
ANVIL, COMBINATION .090



TE Part #CAT-L489-CH8172
LEAVYSEAL Connector Housings

TE Part #2069250-1
MINI I/O PLUG KIT LOCK EXTEND
VER.



TE Part #2238008-1
TERMINAL, PIN, LANCELESS, 20-24
AWG, EP2

Documents

Product Drawings

HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969589-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969589-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969589-2_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

1969589-2

2 Position, Receptacle, Housing, Crimp, Wire-to-Wire, UL 94V-0, 2.5 mm [.098 in]
Centerline, 1 Row, 250 VAC, Wire & Cable, Economy Power 2.5



English

[Agency Approvals](#)

[VDE Certificate](#)

English