1-1969590-2 ✔ ACTIVE

Economy Power 2.5

TE Internal #: 1-1969590-2

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

View on TE.com >

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-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	White

Contact Features

Contact Base Material	Brass
Contact Type	Pin
Contact Current Rating (Max)	7.5 A

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	With
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Compatible Insulation Diameter Range	1.3 – 1.7 mm[.051 – .067 in]
Connector Width	18.17 mm[.715 in]
Connector Height	6.6 mm[.26 in]
Connector Length	32.5 mm[1.279 in]
Wire Size	.13 – .33 mm^2

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	600
Packaging Method	Bag

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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1-1969591-2
HSG,REC,PANEL MOUNT,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969590-5
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5



TE Part # 1969590-3
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5



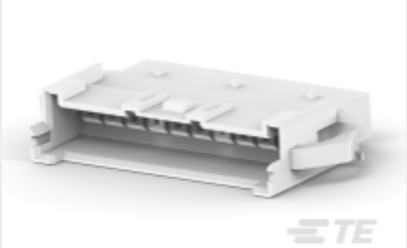
TE Part # 1969590-5
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5



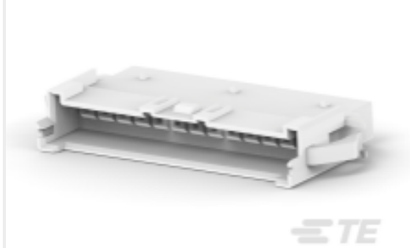
TE Part # 2482324-1
EXTRACTION TOOL



TE Part # 1969590-2
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5



TE Part # 1-1969590-0
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5



TE Part # 1-1969590-3
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5



TE Part # 1-1969590-4
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5



TE Part # 1-1969541-2
RETAINER, TPA, DUAL ROW, EP2.5



TE Part # 1969590-4
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5

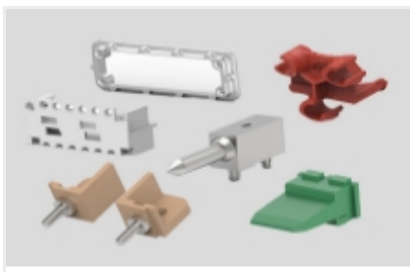


TE Part # 1-1969590-1
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5

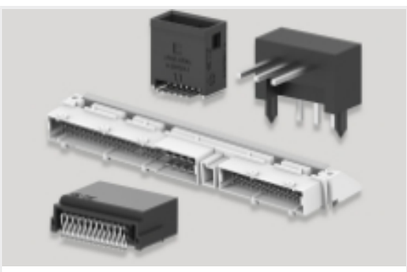
Also in the Series | Economy Power 2.5



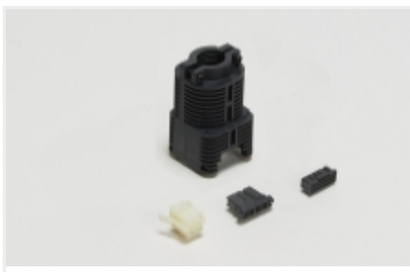
Connector Contacts(6)



Connector Hardware(49)



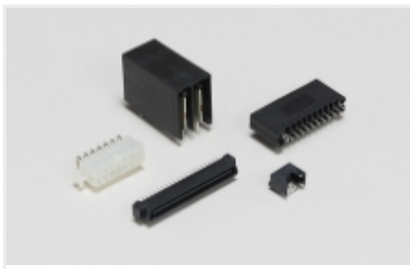
PCB Headers & Receptacles(533)



Rectangular Connector Housings(305)



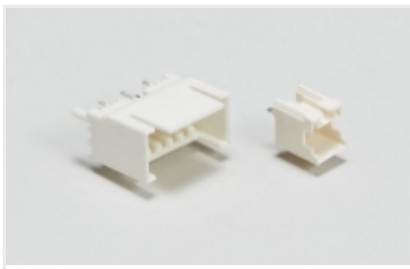
Rectangular Power Connectors(835)



Standard Rectangular Connectors(305)

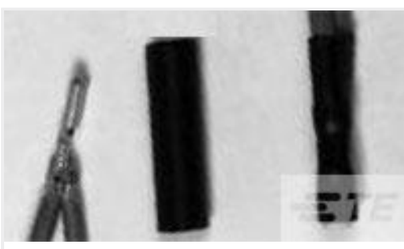


Wire-to-Board Connector Assemblies & Housings(134)



Wire-to-Board Headers & Receptacles (533)

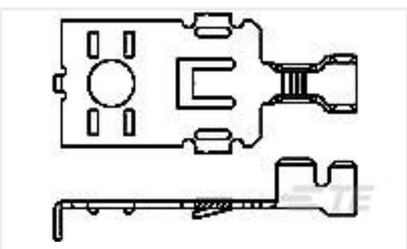
Customers Also Bought



TE Part #440452-000
RT-3-NO.1-0-2.25IN



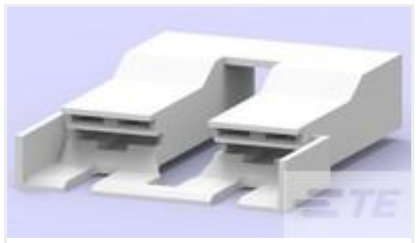
TE Part #530219P009
RNF-150-1/4-0-1.25IN



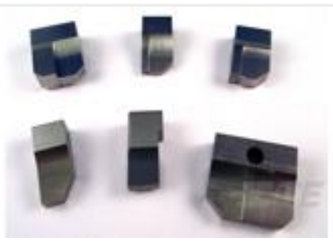
TE Part #63496-1
POWER RING TERMINAL TAB 16-10 AWG BR



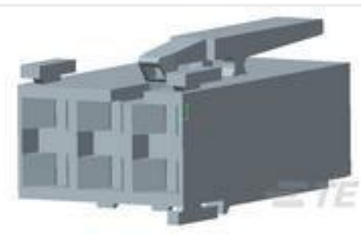
TE Part #2-171706-1
FASTON 250 INS POD NYLON NAT



TE Part #1-521253-3
PL MKIII & FASTON 250 HSG 2P NYL0N GREEN



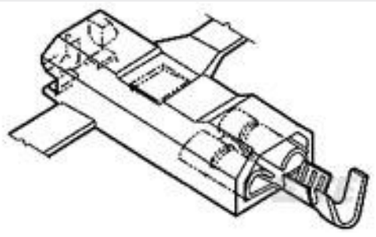
TE Part #1-853088-0
ANVIL



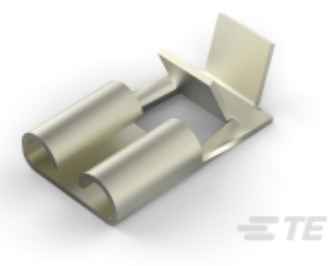
TE Part #2-1241817-3
STD TIM HOUSING MKII 3POS



TE Part #1852646-1
EFHBPO200TABLOCK.210O LM/G



TE Part #521081-1
ULTRA-POD 250 ASSY REC 18-14 AWG BR



TE Part #1217972-2
250 FASTON,FLAG,REC.,18-14 AWG, NPST

Documents

Product Drawings

HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1969590-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1969590-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1969590-2_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.)

English

Agency Approvals

VDE Certificate

English