



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
Mating Alignment: **With**
Mating Alignment Type: **Polarization**
Connector & Housing Type: **Plug**
Mating Retention Type: **Locking Latch**

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

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Contact Retention Within Housing	With
Contact Type	Receptacle
Contact Current Rating (Max)	12.3 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention Type	Locking Latch
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	Nylon

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

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	有害物质含量符合标准要求 No Restricted Substance(s) 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

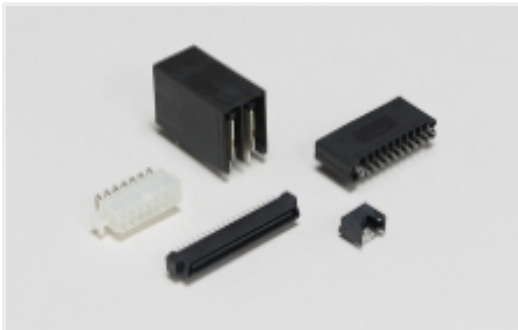
TE Part # 1-647689-2
3.96 EP HDR ASSY 12P(NATURAL)

Also in the Series | Economy Power

Connector Contacts(15)	Connector Hardware(2)	Power Contacts(9)	Rectangular Connector Housings(118)



[Rectangular Power Connectors\(581\)](#)



[Standard Rectangular Connectors\(118\)](#)



[Wire-to-Board Connector Assemblies & Housings\(118\)](#)

Customers Also Bought



TE Part #CAT-J41-DDPC
[DEUTSCH DT Plug Connectors](#)



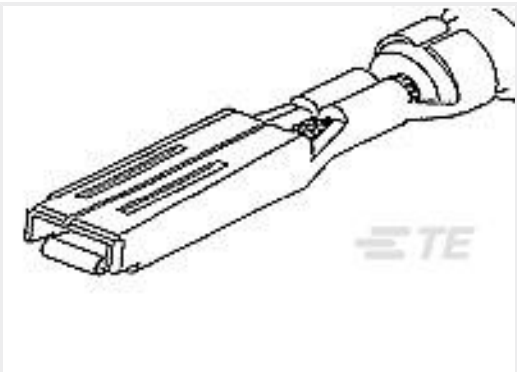
TE Part #DT04-12PA-E003
[REC, 12P, GRY, N, CAP, A](#)



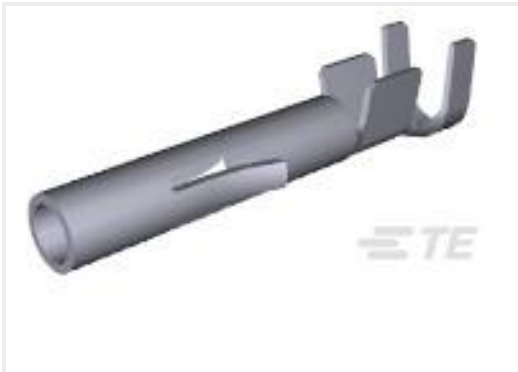
TE Part #W6P
[WEDGE LOCK, 6P, REC, GRN, DT](#)



TE Part #DT16-18SA-K004
[PLG, 18P, BLK, E, A](#)



TE Part #282466-1
[MINI MIC RCPT CONTACT >1,5-](#)



TE Part #350536-1
[UMNL SOK 20-14 .0126 PTPBR](#)



TE Part #1744416-8
[8 POS EP II HSG, GLOW WIRE](#)

Documents

Product Drawings

[EP II plug housing, 12P, NON-GWT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2377130-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2377130-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2377130-2_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English