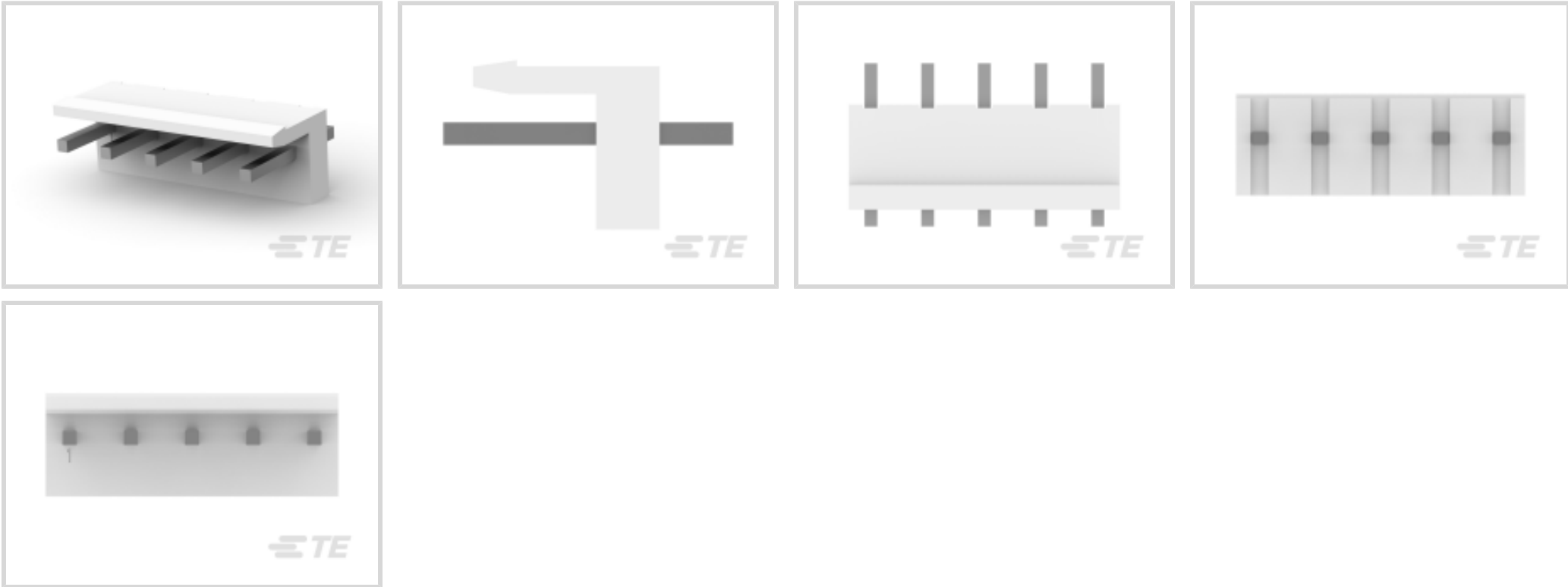




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **5**

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

Features

Product Type Features

Header Type	Partially Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	5
PCB Mount Orientation	Vertical
Number of Power Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

Contact Features



PCB Contact Termination Area Plating Material Thickness	.8 µm, 1 µm[31.49 µin][39.37 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	8 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Natural
Housing Material	Nylon 66

Dimensions

Connector Height	10.9 mm[.429 in]
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Width	8.2 mm[.323 in]
Product Length	22.92 mm[.902 in]

Usage Conditions

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



Operation/Application

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

Industry Standards

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

Packaging Features

Packaging Quantity	1000
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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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 240°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



TE Part # 1744416-5
5 POS EP II HSG, GLOW WIRE

TE Part # 1744036-5
05P ECONOMY POWER .200 CL HSG

TE Part # 1-2316953-4
04P EP.200 CL HDR ASSY VRT,NO PIN 1,3

TE Part # 1744495-5
05P EP-II HOUSING, GREEN

TE Part # 2316953-3
03P EP.200 CL HDR ASSY VRT,NO PIN 2

TE Part # 2316953-4
04P EP.200 CL HDR ASSY VRT,NO PIN 2,3

Also in the Series | Economy Power

Connector Contacts(1)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(162)

PCB Latches, Locks & Retainers(2)

Power Contacts(8)

Rectangular Connector Housings(1)

Rectangular Power Connectors(302)

Wire-to-Board Connector Assemblies & Housings(142)

Wire-to-Board Connector Contacts(6)

Customers Also Bought



TE Part #2176117-3
TLR 1206 1.0W R001 1% 50PPM 2K RL

TE Part #2-1445100-4
MICRO MNL HDR ASSY S/ROW LF

TE Part #1744037-4
04P EC PWR.200 CL HDR ASSY VRT

TE Part #1744037-2
02P EC PWR.200 CL HDR ASSY VRT

TE Part #2013289-2
SEMI-HARD TRAY DDR3 204P 5.2H
STD Au0.25

TE Part #4-1879501-5
CRGH2512 5% 68R 2W

TE Part #DRC13-40PA
HDR, 40P, BLK, RA, 1032 FLG, SN/NI
/CU, A

TE Part #1-2176155-2
TLM 0805 0.25W R082 5% 100PPM 5K
RL

Documents

Product Drawings

05P EC PWR.200 CL HDR ASSY VRT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744037-5_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744037-5_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744037-5_O.3d_stp.zip

English

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

Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

English

Application Specification

Japanese



Product Environmental Compliance

[MD_1744037-5_06232012036](#)

English

[MD_1744037-5_06232012036](#)

English

Agency Approvals

[UL Report](#)

English