

1744048-8

✓ ACTIVE

Economy Power

TE Internal #: 1744048-8

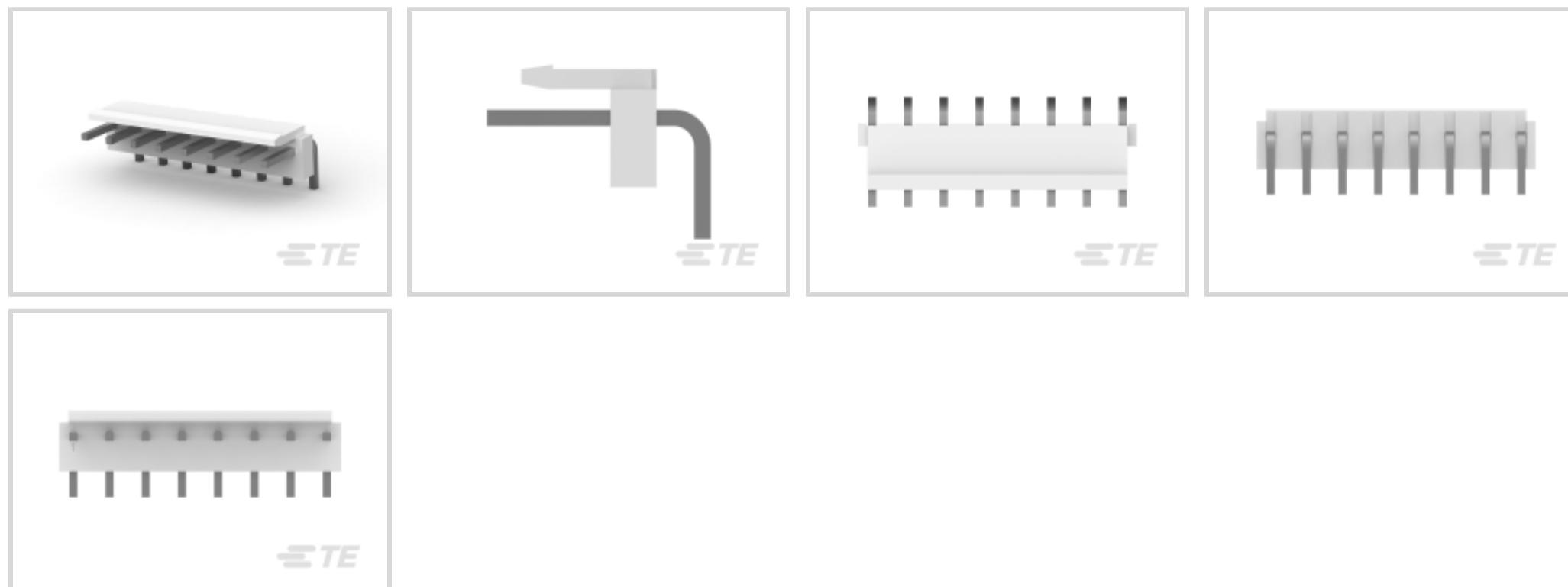
Rectangular Power Connectors, Header, Plug, Wire-to-Board, 8

Position, 5.08 mm [.2 in] Centerline, Printed Circuit Board, UL 94V-0,

Economy Power

[View on TE.com >](#)

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: **8**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	8
PCB Mount Orientation	Right Angle
Number of Power Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Mating Post Length	8.6 mm[.339 in]
PCB Contact Termination Area Plating Material Thickness	.8 μ m, 2 μ m[31.49 μ in][80 μ in]
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 μ m[80 μ in]

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 Alignment Type	Polarizing Tab
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	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	8.2 mm[.323 in]
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Width	15 mm[.591 in]
Product Length	38.16 mm[1.502 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

500

Packaging Method

Bag

Product ComplianceFor 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 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

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

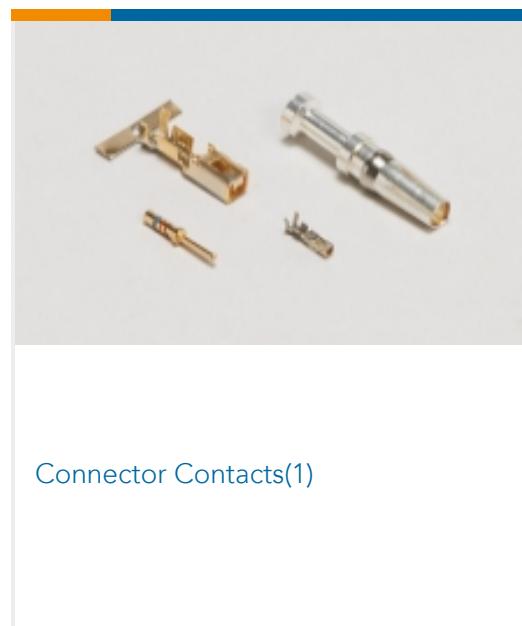
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

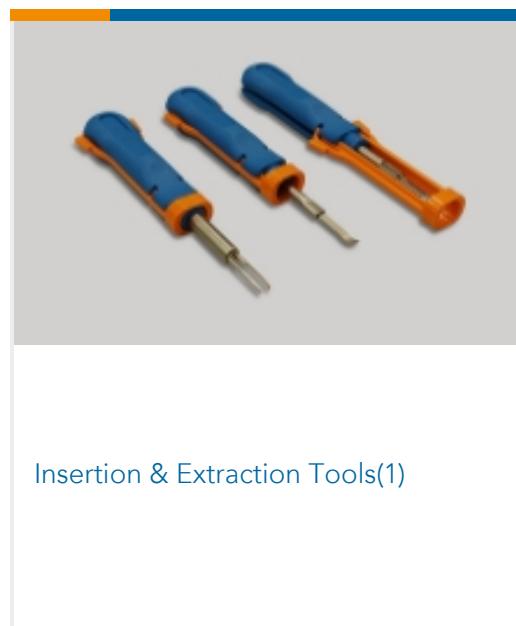


TE Part # 1744036-8
08P ECONOMY POWER .200 CL HSG

Also in the Series | [Economy Power](#)



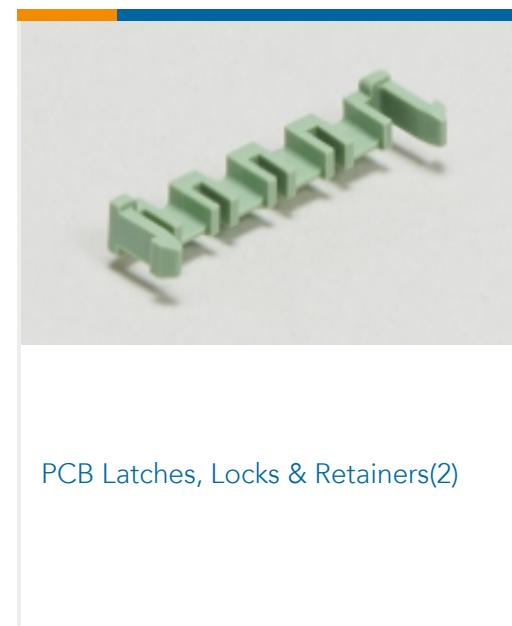
Connector Contacts(1)



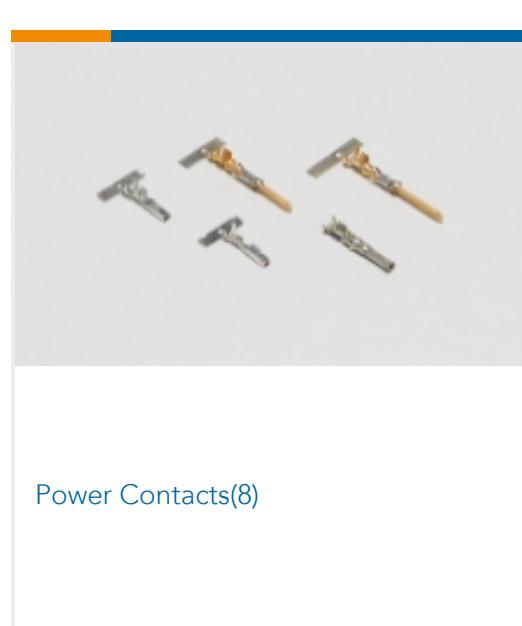
Insertion & Extraction Tools(1)



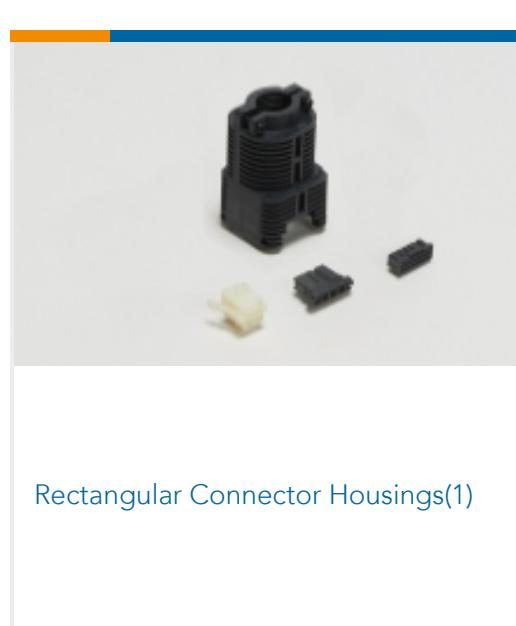
PCB Headers & Receptacles(162)



PCB Latches, Locks & Retainers(2)



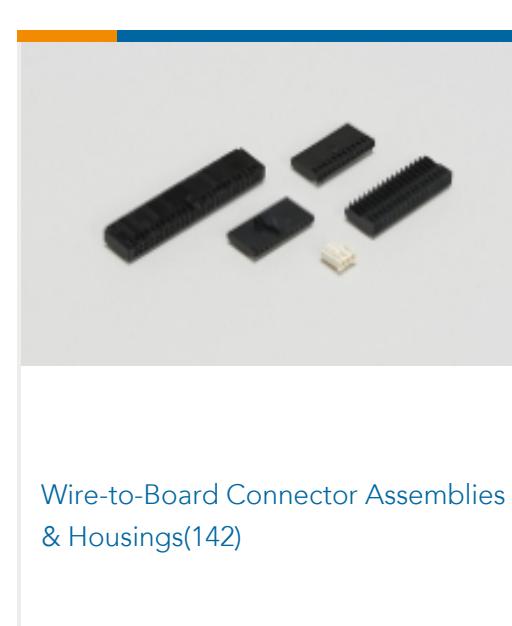
Power Contacts(8)



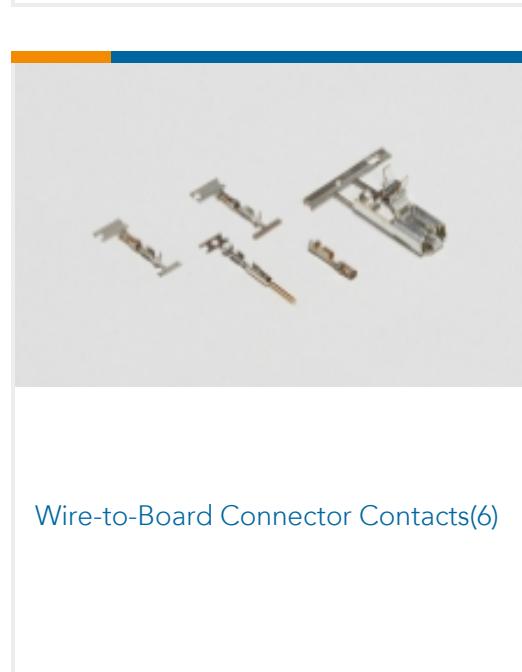
Rectangular Connector Housings(1)



Rectangular Power Connectors(302)



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



Wire-to-Board Connector Contacts(6)

Customers Also Bought



TE Part #3-647002-3
03P MTA100 PSTD CONN ASSY LF



TE Part #1-2176057-9
RLP73N 3A R056 1% 1K RL



TE Part #1623141-1
CRG0805 1% 1M0



TE Part #103653-1
02 MTE SHRD PIN HSG SR LATCH



Documents

Product Drawings

08P EC PWR.200 CL HDR ASSY RA

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_1744048-8_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_1744048-8_O.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_1744048-8_O.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

English

Application Specification

Japanese

Agency Approvals

UL Report

English