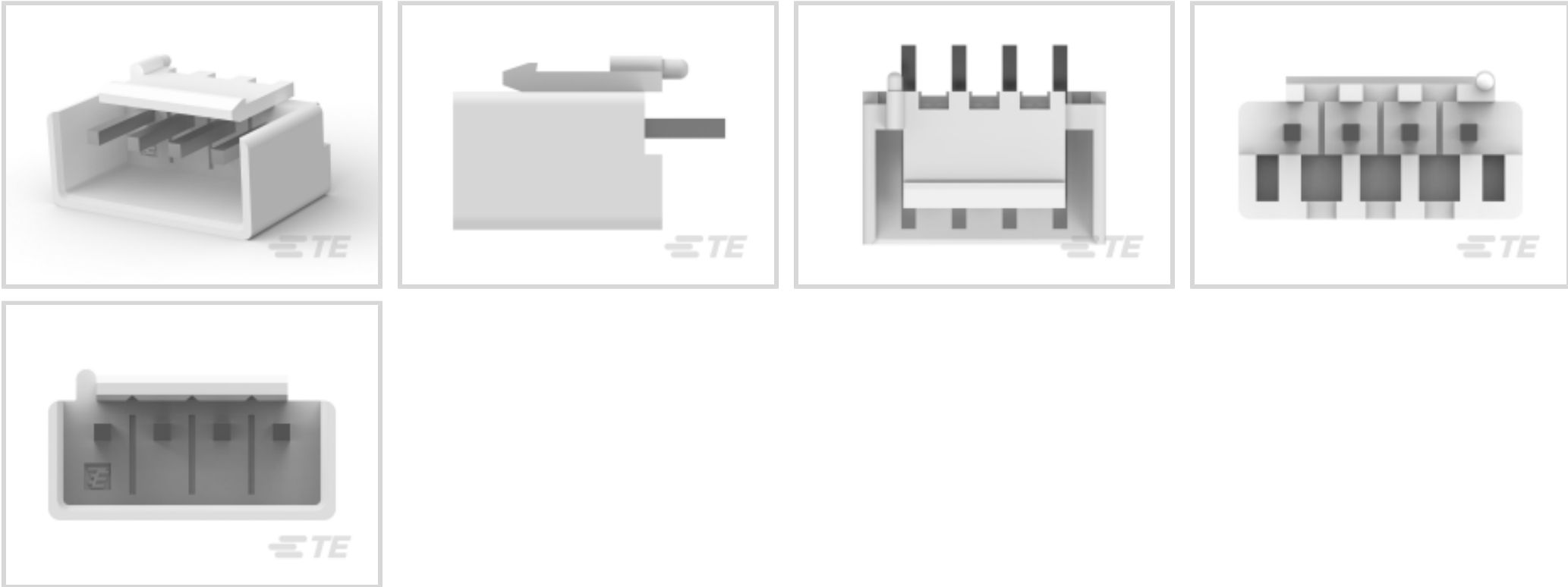




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **4**

Centerline (Pitch): **3.96 mm [ .156 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       | 4        |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 4        |
| Number of Rows            | 1        |

Electrical Characteristics

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

Contact Features



|                                                |                                   |
|------------------------------------------------|-----------------------------------|
| Contact Layout                                 | Inline                            |
| Contact Base Material                          | Brass                             |
| 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           | Tin                               |
| Contact Mating Area Plating Material Thickness | 1 µm[39.37 µin]                   |
| Contact Termination Area Plating Thickness     | .8 µm, 1 µm[31.49 µin][39.37 µin] |

Termination Features

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

Mechanical Attachment

|                          |             |
|--------------------------|-------------|
| PCB Mount Alignment Type | Boss        |
| Strain Relief            | Without     |
| Mating Alignment         | With        |
| PCB Mount Alignment      | With        |
| PCB Mount Retention      | Without     |
| Connector Mounting Type  | Board Mount |
| Mating Retention         | With        |
| Mating Retention Type    | Latch       |

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Color      | White            |
| Housing Material   | PBT GF           |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | .06 mm[1.6 in]    |
| Width                       | 9.58 mm[.377 in]  |
| Mating Post Length          | 7.78 mm[.306 in]  |
| Height                      | 12 mm[.472 in]    |
| Length                      | 19.09 mm[.752 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 Method   | Bag |
| Packaging Quantity | 400 |

Other

|              |                     |
|--------------|---------------------|
| For Use With | Receptacle Assembly |
|--------------|---------------------|

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 2022 (224)<br>Candidate List Declared Against: JAN 2022 (223)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                           |
| Solder Process Capability                     | Wave solder capable to 265°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>

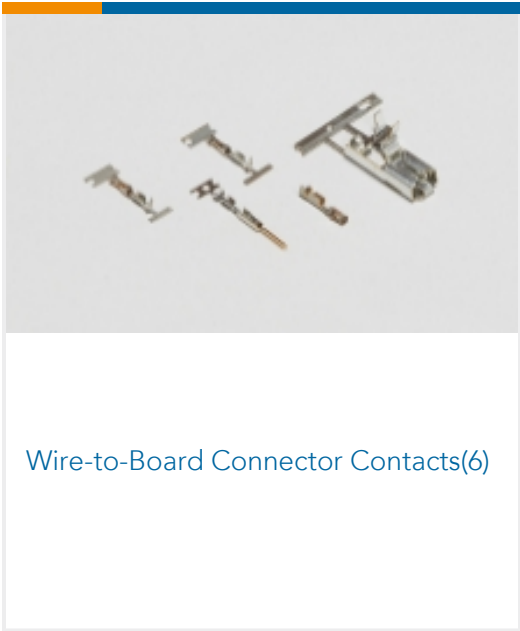


Compatible Parts

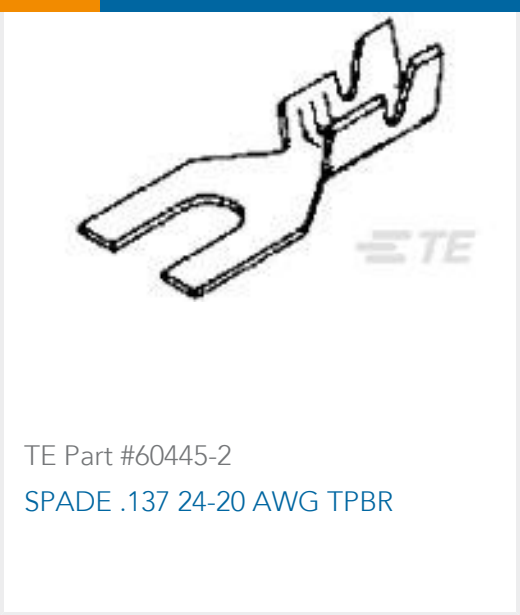
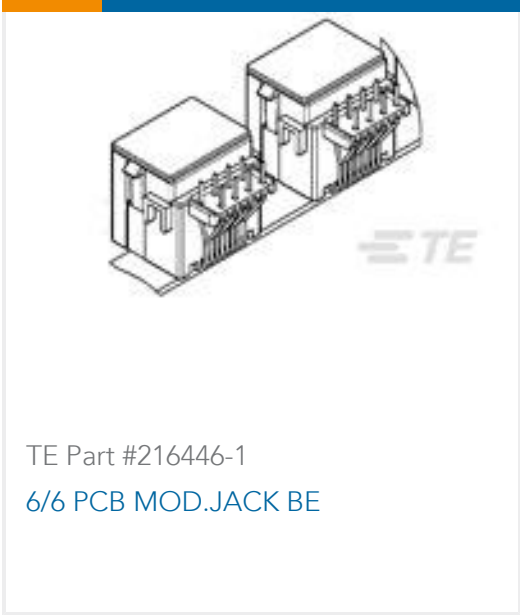
|                                                             |                                                             |                                                     |                                                             |
|-------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------|
|                                                             |                                                             |                                                     |                                                             |
| TE Part # 2132781-4<br>04P EP-II HOUSING, NATURAL           | TE Part # 2110989-1<br>EP 2.5 RCPT CONTACT, 26-22 AWG       | TE Part # 2154828-3<br>Cable Assembly EP II 4 Pos   | TE Part # 1744494-4<br>04P EP-II HOUSING, YELLOW            |
|                                                             |                                                             |                                                     |                                                             |
| TE Part # 1744416-4<br>4 POS EP II HSG, GLOW WIRE           | TE Part # 1744544-4<br>EP II TPA 04P, BLACK                 | TE Part # 1744484-4<br>04P EP SHRD HDR ASMY, YELLOW | TE Part # 2309279-3<br>03P EP SHRD HDR ASY, NO 2 PIN, WHITE |
|                                                             |                                                             |                                                     |                                                             |
| TE Part # 2309279-5<br>05P EP SHRD HDR ASY, NO 2 PIN, WHITE | TE Part # 2309279-8<br>08P EP SHRD HDR ASY, NO 7 PIN, WHITE |                                                     |                                                             |

Also in the Series | Economy Power

|                       |                                   |                                   |                                                    |
|-----------------------|-----------------------------------|-----------------------------------|----------------------------------------------------|
|                       |                                   |                                   |                                                    |
| Connector Contacts(1) | Insertion & Extraction Tools(1)   | PCB Headers & Receptacles(166)    | PCB Latches, Locks & Retainers(2)                  |
|                       |                                   |                                   |                                                    |
| Power Contacts(8)     | Rectangular Connector Housings(1) | Rectangular Power Connectors(301) | Wire-to-Board Connector Assemblies & Housings(141) |



Customers Also Bought



Documents

Product Drawings

04P EP SHRD HDR ASMY, WHITE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1877285-4\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1877285-4\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1877285-4\_C.3d\_stp.zip

English

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Datasheets & Catalog Pages

[1-1773885-9 Economy Power Connectors](#)

English

[AMP\\_ECONOMY\\_POWER\\_SHROUDED\\_HEADERS](#)

English

[7-1773458-5\\_ECONOMY\\_POWER\\_QRG](#)

English

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Product Specifications

[Application Specification](#)

English

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Product Environmental Compliance

[MD\\_1877285-4\\_042720142221\\_dmtec](#)

English

[MD\\_1877285-4\\_042720142221\\_dmtec](#)

English

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Agency Approvals

[VDE Certificate](#)

English