

1744144-1 ✓ ACTIVE



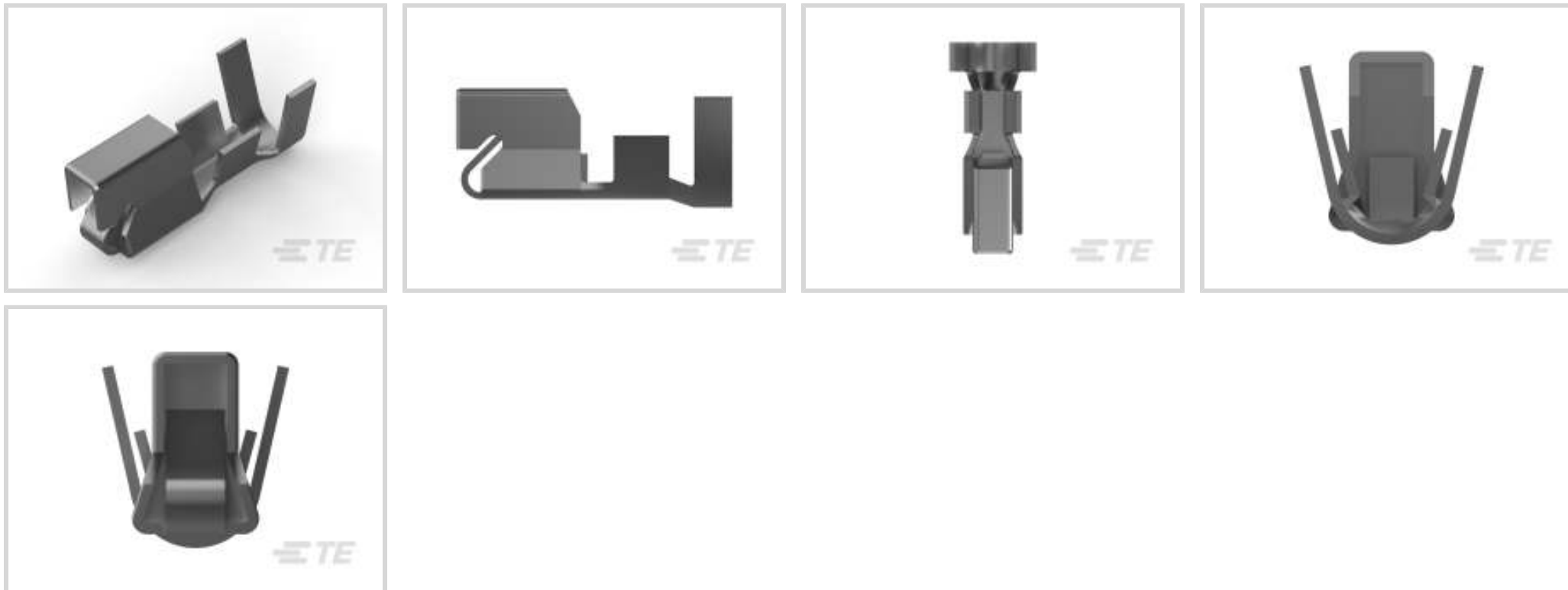
Economy Power

TE Internal #: 1744144-1

Power Contacts, Contact, 600 VAC, Tin, 22 – 18 AWG Wire Size, .33 – .82 mm² Wire Size, Wire & Cable, Crimp, Power, Socket, Economy Power

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VAC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **.33 – .82 mm²**

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Power Contact Type | Contact |
| Connector & Contact Terminates To | Wire & Cable |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

| | |
|---|--------------------|
| Contact Shape & Form | Single Beam in Box |
| Contact Mating Area Plating Material | Tin |
| Contact Current Rating (Max) | 12.3 A |
| Contact Type | Socket |
| Contact Retention Within Housing | With |
| Mating Square Post Dimension | 1.14 mm[.045 in] |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material Thickness | .8 μm[31.49 μin] |
| Wire Contact Termination Area Plating Thickness | .8 μm[31.49 μin] |
| Wire Contact Termination Area Plating Material | Pre-Tin |



| | |
|---|-------------|
| Wire Contact Termination Area Plating Material Finish | Semi-Bright |
|---|-------------|

| | |
|---------------------|----------|
| Contact Orientation | Straight |
|---------------------|----------|

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|-------------------------|---------|
| Wire Insulation Support | Without |
|-------------------------|---------|

Dimensions

| | |
|-----------|---------------------------|
| Wire Size | .33 – .82 mm ² |
|-----------|---------------------------|

| | |
|--------------------------------------|-------------------------------|
| Compatible Insulation Diameter Range | 1.7 – 2.9 mm [.067 – .114 in] |
|--------------------------------------|-------------------------------|

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 105 °C [-67 – 221 °F] |
|-----------------------------|-----------------------------|

Operation/Application

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 4000 |
|--------------------|------|

| | |
|------------------|-----|
| 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 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 | Not applicable 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 # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 2151113-1
OCEAN_2.0_APPLICATOR-S-070F102F



TE Part # 7-2151113-7
OCEAN_2.0_SPARE_PART_KIT-070F102F



TE Part # 2217655-1
CCII EPII LANCELESS STD 22-18 ASSY



TE Part # 2-2151113-1
OCEAN_2.0_APPLICATOR-S-070F102F



TE Part # 2-2151113-2
OCEAN_2.0_APPLICATOR-S-070F102F



TE Part # 2151113-2
OCEAN_2.0_APPLICATOR-S-070F102F




TE Part # 2344117-3
3 POS EP II HSG, GWT,omit 2



TE Part # 7-2151113-1
OCEAN_2.0_APPLICATOR-S-070F102F




TE Part # 7-2151113-2
OCEAN_2.0_APPLICATOR-S-070F102F




TE Part # 1366402-1
SAHT ECONOMY POWER 22-18 ASSY

Also in the Series | Economy Power



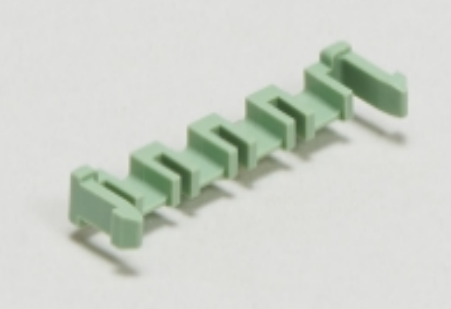
Connector Contacts(1)



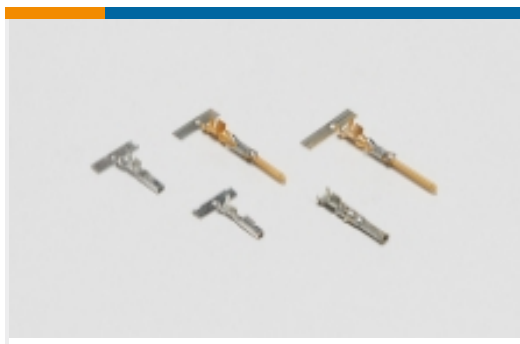
Insertion & Extraction Tools(1)



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 #2132781-8
08P EP-II HOUSING, NATURAL



TE Part #1744416-2
2 POS EP II HSG, GLOW WIRE



TE Part #2132781-6
06P EP-II HOUSING, NATURAL



TE Part #2132781-5
05P EP-II HOUSING, NATURAL



TE Part #2132781-7
07P EP-II HOUSING, NATURAL



TE Part #1744416-3
3 POS EP II HSG, GLOW WIRE



TE Part #2132781-2
02P EP-II HOUSING, NATURAL



TE Part #2232958-1
250 PL EX REC. 18-14AWG PTBR

Documents

Product Drawings

[EP-II CONTACT LANCELESS, 22-18](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1744144-1_C.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_1744144-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1744144-1_C.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

[7-1773458-5_ECONOMY_POWER_QRG](#)

English

[7-1773461-5_EPII_CONNECTOR_TPA_DEVICE](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL Report](#)

English