

1971600-1 ✓ ACTIVE



### Power Double Lock

TE Internal #: 1971600-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire,  
8 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-0,  
Power Double Lock

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **8**

Centerline (Pitch): **3.96 mm [.156 in]**

### Features

#### Product Type Features

|                                    |              |
|------------------------------------|--------------|
| Compatible With Discrete Wire Type | Stranded     |
| Rectangular Power Connector Type   | Housing      |
| Connector & Housing Type           | Receptacle   |
| Connector System                   | Wire-to-Wire |
| Sealable                           | No           |
| Connector & Contact Terminates To  | Wire & Cable |

#### Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 8 |
| Number of Rows      | 2 |

#### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 300 VAC |
|-------------------|---------|

#### Contact Features

|                                  |         |
|----------------------------------|---------|
| Contact Layout                   | Matrix  |
| Contact Retention Within Housing | Without |



|              |     |
|--------------|-----|
| Contact Type | Tab |
|--------------|-----|

### Termination Features

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

### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

### Housing Features

|                    |                   |
|--------------------|-------------------|
| Centerline (Pitch) | 3.96 mm [.156 in] |
|--------------------|-------------------|

|               |         |
|---------------|---------|
| Housing Color | Natural |
|---------------|---------|

|                  |       |
|------------------|-------|
| Housing Material | PA 66 |
|------------------|-------|

### Dimensions

|                    |                  |
|--------------------|------------------|
| Row-to-Row Spacing | 4.6 mm [.181 in] |
|--------------------|------------------|

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -30 – 105 °C [-22 – 221 °F] |
|-----------------------------|-----------------------------|

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Industry Standards

|                 |          |
|-----------------|----------|
| Agency/Standard | CNR, USR |
|-----------------|----------|

|                    |                                    |
|--------------------|------------------------------------|
| Approved Standards | CSA/C22.2 No. 182.3-M1987, UL 1977 |
|--------------------|------------------------------------|

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

|                  |                           |
|------------------|---------------------------|
| Glow Wire Rating | GWT 750°C (Without Flame) |
|------------------|---------------------------|

### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 100 |
|--------------------|-----|

|                  |     |
|------------------|-----|
| 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: JAN 2023 (233)


Does not contain REACH SVHC

|                           |  |
|---------------------------|--|
| Halogen Content           | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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 # 179467-1  
AMP POWER DBL LOCK CAP HSG 8P


## Also in the Series | Power Double Lock




Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



Rectangular Power Connectors(284)

## Customers Also Bought



TE Part #1971786-1  
PTL TAB CONTACT, 20 - 24 AWG



TE Part #2005253-1  
PDL 6P CAP 3.96 D/R F/H(GWT) N



TE Part #1-2133346-4  
250 FASTON HSG.,REC.,1 POS,BLACK



TE Part #1-881623-1  
FASTON 187 REC 0.5-1.0MM2 0.32X13.97 BR



TE Part #2-2133346-0  
250 FASTON HSG.,REC.,1 POS,BLACK



TE Part #2-2133394-1  
187 FASTON HSG.,REC.,1 POS, NATRUAL



TE Part #5-2232353-3  
PTL MFBL 1X3 CAP PANEL MT GLW WIRE NAT



TE Part #626279-2  
RING TONGUE 0.5-1.50 MM2 TPBR



TE Part #2819193-1  
187 FASTON HSG.,REC.,3 POS, NATRUAL

## Documents

### Product Drawings

[POWER DBL LOCK CAP HSG 8P\(GWT\)](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_1971600-1\\_B.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1971600-1\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1971600-1\\_B.3d\\_stp.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance](#)

English

[Product Compliance](#)

English

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**Instruction Sheets**

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

English

[AMP POWER DOUBLELOCK CONNECTOR SERIES](#)

English

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**Agency Approvals**

[Agency Approval Document](#)

English