

556882-6 ✓ ACTIVE

AMP

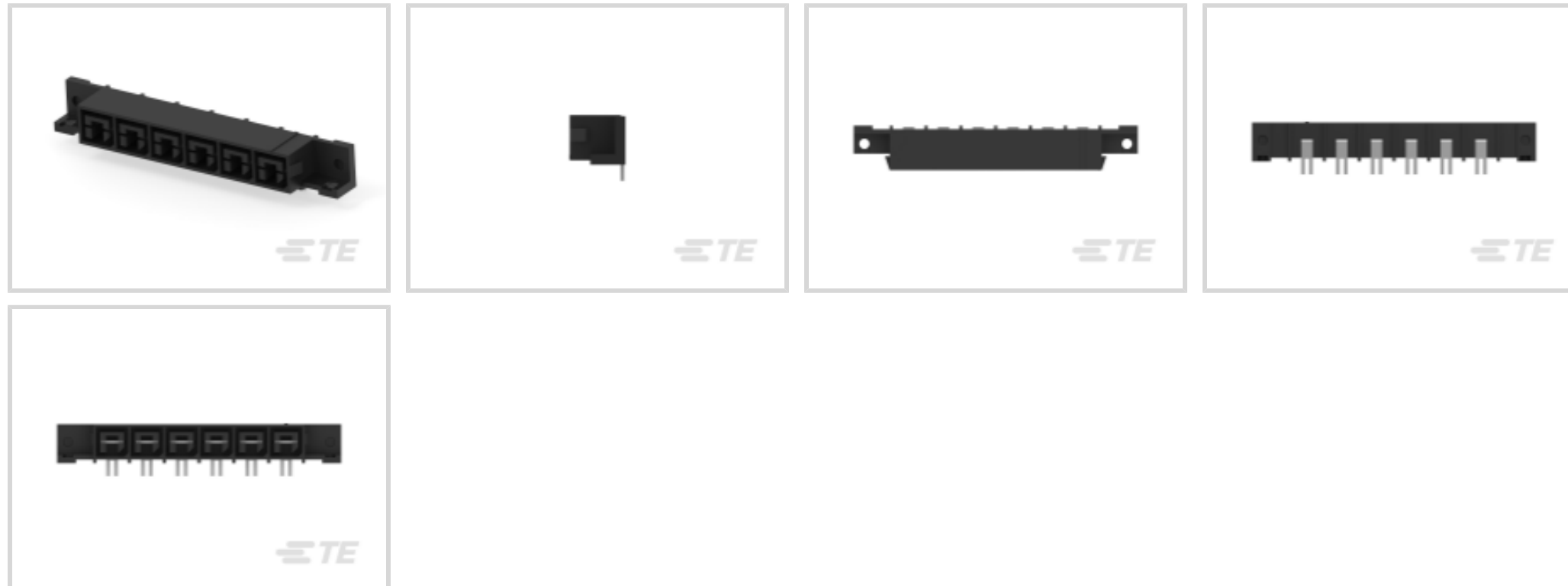
TE Internal #: 556882-6

Rectangular Power Connectors, Connector Assembly, Receptacle, Wire-to-Board, 6 Position, 11.18 mm [.44 in] Centerline, Printed Circuit Board, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

Centerline (Pitch): **11.18 mm [.44 in]**

## Features

### Product Type Features

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

### Configuration Features

|                            |             |
|----------------------------|-------------|
| Number of Positions        | 6           |
| PCB Mount Orientation      | Right Angle |
| Number of Power Positions  | 6           |
| Number of Signal Positions | 0           |
| Number of Rows             | 1           |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|



### Contact Features

|   |  |
|---|--|
| PCB Contact Termination Area Plating Material Thickness | 2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ] |
| Contact Layout  | Inline                                   |
| Contact Mating Area Plating Material                    | Tin                                      |
| Contact Shape & Form                                    | Dual Beam                                |
| Contact Base Material                                   | Copper Alloy                             |
| Contact Current Rating (Max)                            | 35 A                                     |
| Contact Retention Within Housing                        | With                                     |
| Contact Type  | Tab                                      |
| PCB Contact Termination Area Plating Material           | Tin                                      |
| Contact Mating Area Plating Material Thickness          | 3.81 $\mu\text{m}$ [150 $\mu\text{in}$ ] |

### Termination Features

|   |                       |
|---|-----------------------|
| Termination Post & Tail Length              | 4.9 mm[.193 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

### Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Mating Alignment Type   | Polarization |
| 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) | 11.18 mm[.44 in]            |
| Housing Color      | Black                       |
| Housing Material   | Polyphenylene Sulfide (PPS) |

### Dimensions

|                             |                                |
|-----------------------------|--------------------------------|
| Connector Height            | 14.48 mm[.57 in]               |
| PCB Thickness (Recommended) | 1.57 – 3.18 mm[.062 – .125 in] |
| Product Width               | 17.53 mm[.69 in]               |
| Product Length              | 91.44 mm[3.6 in]               |

### Usage Conditions



|                             |                         |
|-----------------------------|-------------------------|
| Operating Temperature Range | 0 – 105 °C[32 – 221 °F] |
|-----------------------------|-------------------------|

### Operation/Application

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

### Industry Standards

|            |                    |
|------------|--------------------|
| CSA Rating | Certified, LR 7189 |
|------------|--------------------|

|           |            |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

|                 |         |
|-----------------|---------|
| Agency/Standard | CSA, UL |
|-----------------|---------|

|                    |           |
|--------------------|-----------|
| Approved Standards | UL E28476 |
|--------------------|-----------|

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

### Packaging Features

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

|                  |     |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

### 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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 |
|---------------------------|--|

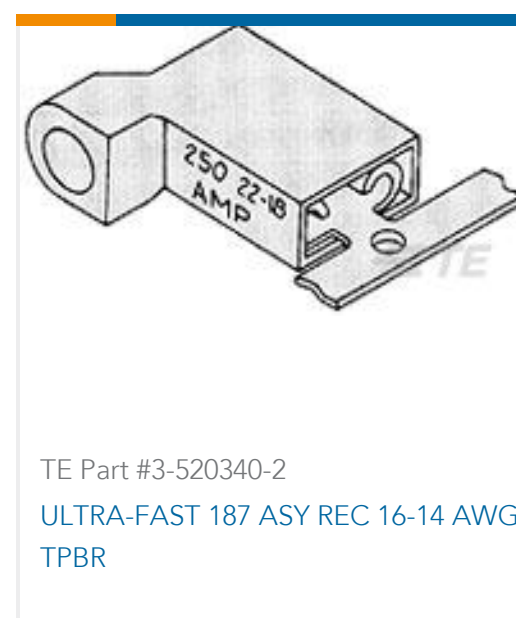
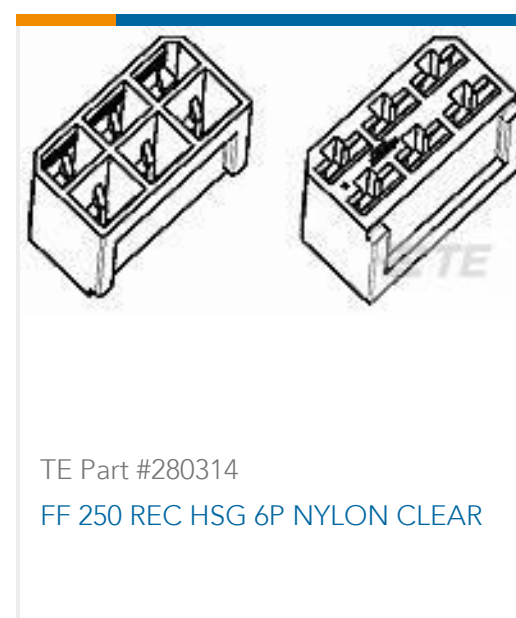
#### Product Compliance Disclaimer

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



## Customers Also Bought



## Documents

### Product Drawings

RCPT ASY,R/A,AMPINRGY WTB,6POS

English

### CAD Files

3D PDF

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_556882-6\\_E.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_556882-6\\_E.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_556882-6\\_E.3d\\_stp.zip](#)

English

**3D PDF**

English

**Customer View Model**[ENG\\_CVM\\_556882-6\\_D.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_556882-6\\_D.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_556882-6\\_D.3d\\_stp.zip](#)

English

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

**Datasheets & Catalog Pages**[1654742\\_HOUSEHOLD\\_APPLIANCES\\_RAST5](#)

English

[POWER\\_CONNECTORS\\_CATALOG\\_SEC02\\_CABLE\\_MOUNTED](#)

English

**Product Specifications**[Application Specification](#)

English

[Application Specification](#)

English

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

English

**Agency Approvals**[Agency Approval Document](#)

English