



DEUTSCH

TE Internal #: 12331-20  
Pin Contact, Gold, 115 VAC, 115 VDC, Spring Contact Retention,  
Size 20 Contact Size, Discrete Wire, 24 – 20 AWG Wire Size, .25 – .5  
mm² Wire Size

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**  
Contact Mating Area Plating Material: **Gold**  
Wire Contact Termination Area Plating Material: **Gold**  
Operating Voltage: **115 VDC**

Features

Product Type Features

|          |     |
|----------|-----|
| Sealable | Yes |
|----------|-----|

Configuration Features

|                                   |               |
|-----------------------------------|---------------|
| Compatible With Wire & Cable Type | Discrete Wire |
|-----------------------------------|---------------|

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 115 VDC |
|-------------------|---------|

Contact Features

|                                                |              |
|------------------------------------------------|--------------|
| Barrel Type                                    | Closed       |
| Contact Type                                   | Pin          |
| Contact Mating Area Plating Material           | Gold         |
| Wire Contact Termination Area Plating Material | Gold         |
| Contact Retention Within Housing               | With         |
| Contact Size                                   | Size 20      |
| Contact Base Material                          | Copper Alloy |
| Contact Current Rating (Max)                   | 7.5 A        |

Termination Features

|                                    |              |
|------------------------------------|--------------|
| Termination Method to Wire & Cable | Crimp        |
| Product Terminates To              | Wire & Cable |

Mechanical Attachment



|                                       |        |
|---------------------------------------|--------|
| Contact Retention Type Within Housing | Spring |
|---------------------------------------|--------|

Dimensions

|           |              |
|-----------|--------------|
| Wire Size | .25 – .5 mm² |
|-----------|--------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 175 °C[-85 – 347 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |                                 |
|---------------------|---------------------------------|
| Circuit Application | Power, Signal & High Speed Data |
|---------------------|---------------------------------|

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                        |
| EU ELV Directive 2000/53/EC                   | Not Yet Reviewed                                                                                                                                                                                                                                                                                                                                                                                                                 |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                             |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JAN 2024 (240)<br>SVHC > Threshold:<br>Pb (1% in LEADED COPPER ALLOY)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| 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                                                                                                                                                                                                                                                                                                                                                                                     |

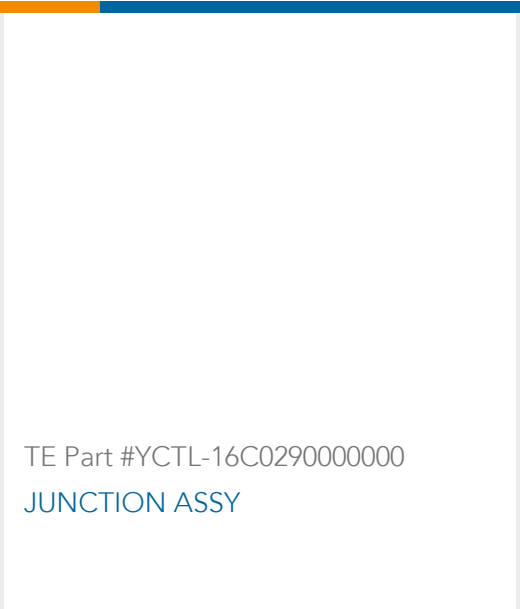
Product Compliance Disclaimer

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



Customers Also Bought



Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_12331-20\_1.2d\_dxf.zip

English
- Customer View Model

ENG\_CVM\_CVM\_12331-20\_1.3d\_igs.zip

English



Customer View Model

[ENG\\_CVM\\_CVM\\_12331-20\\_1.3d\\_stp.zip](#)

English

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