

166291-1 ✓ ACTIVE

AMPLIMITE

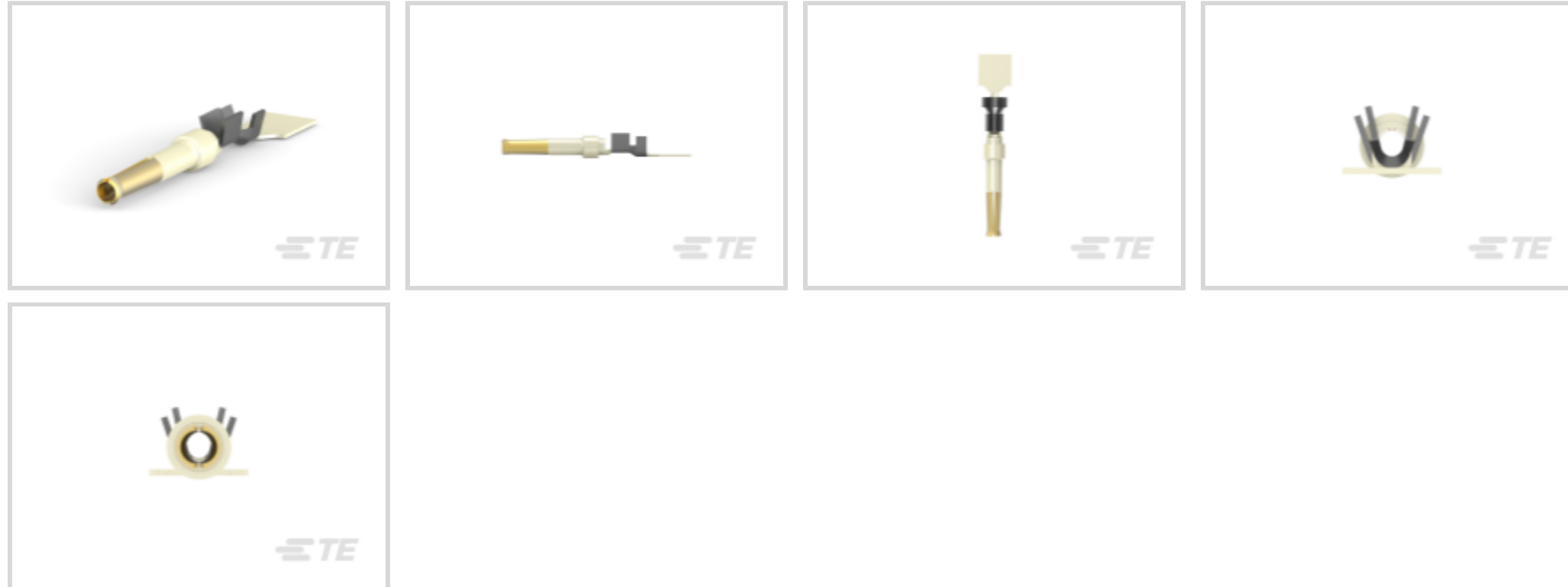
TE Internal #: 166291-1

D-Sub Connector Contacts, Socket, Size 20, Phosphor Bronze, Gold, Crimp, 24 – 20 AWG Wire Size, .2 – .56 mm² Wire Size, Cable-to-Cable, Wire & Cable

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Connectors > D-Shaped Connectors > D-Sub Connector Contacts > D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20



Contact Type: **Socket**

D-Sub Contact Size: **20**

Contact Base Material: **Phosphor Bronze**

Contact Mating Area Plating Material: **Gold**

Termination Method to Wire & Cable: **Crimp**

[All D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20 \(58\)](#)

Features

Product Type Features

| | |
|-----------------------------------|----------------|
| Product Type | Contact |
| Grade | Standard |
| Connector System | Cable-to-Cable |
| Connector & Contact Terminates To | Wire & Cable |

Body Features

| | |
|------------|-----|
| Color Code | Red |
|------------|-----|

Contact Features

| | |
|---|--------|
| Pin Diameter | 1 mm |
| Contact Mating Area Plating Thickness | .76 μm |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Type | Socket |



| | |
|--------------------------------------|-----------------|
| D-Sub Contact Size | 20 |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 2 A |

Termination Features

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

Mechanical Attachment

| | |
|---------------------------------------|---------|
| Contact Retention Type Within Housing | Snap-In |
| Wire Insulation Support | With |

Dimensions

| | |
|--|-------------------------------|
| Insulation Diameter (Max) | 1.52 mm |
| Accepts Wire Insulation Diameter Range | 1.27 – 1.52 mm [.05 – .06 in] |
| Wire Size | .2 – .56 mm ² |

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Packaging Features

| | |
|--------------------|-------------|
| Packaging Quantity | 1000 |
| Packaging Method | Loose Piece |

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) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |

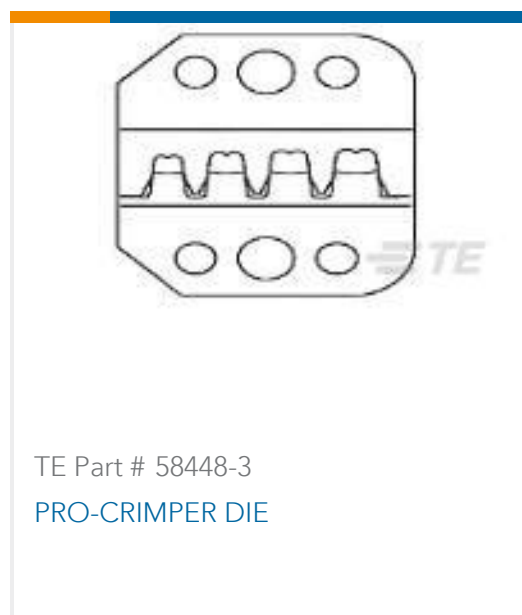
Solder Process Capability

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



Documents

Product Drawings

20DF COSI SOCKET

English

CAD Files

Customer View Model

[ENG_CVM_CVM_166291-1_AJ.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_166291-1_AJ.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_166291-1_AJ.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPLIMITE Subminiature D Connectors - Subminiature D Connectors for Cable Mounting](#)

English

[NECTOR_S_LINE_CONNECTOR_BROCHURE](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English