

1-745266-0 ✓ ACTIVE

[AMPLIMITE](#) | [AMPLIMITE HDE](#)

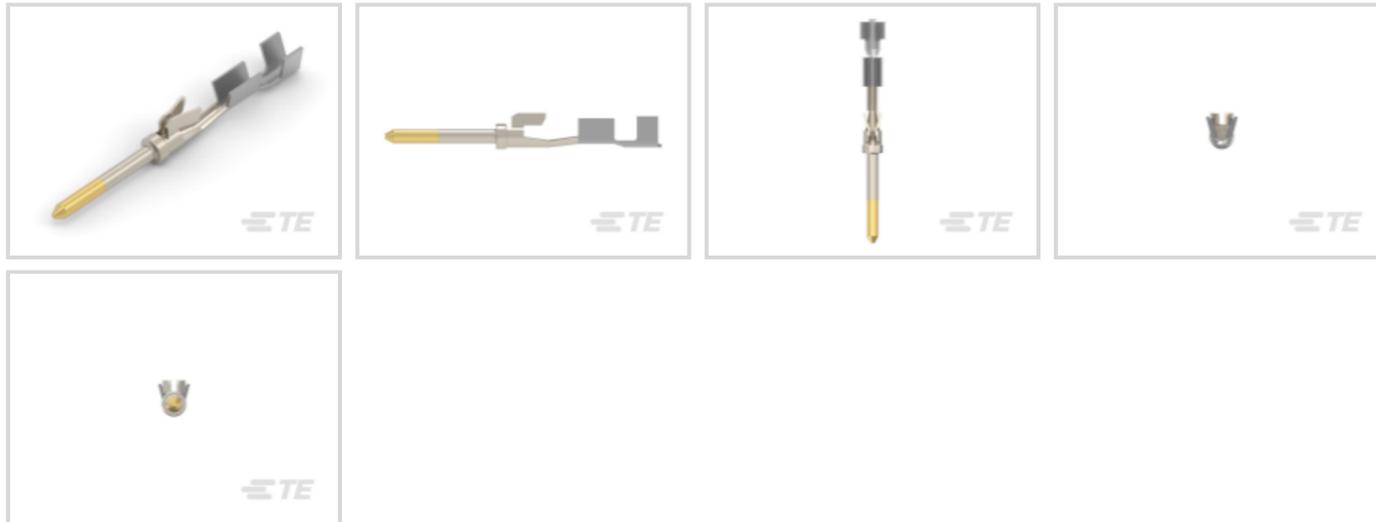
TE Internal #: 1-745266-0

D-Sub Connector Contacts, Pin, Size 20, Phosphor Bronze, Gold Flash, Insulation Displacement (IDC), 26 – 22 AWG Wire Size, AMPLIMITE HDE

[View on TE.com >](#)



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



Contact Type: **Pin**

D-Sub Contact Size: **20**

Contact Base Material: **Phosphor Bronze**

Contact Mating Area Plating Material: **Gold Flash**

Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

[All D-Sub Connector Contacts: Pin, Phosphor Bronze, Signal, Size 20 \(9\)](#)

## Features

### Product Type Features

|                                   |                 |
|-----------------------------------|-----------------|
| Product Type                      | Contact         |
| Grade                             | Standard        |
| Two Wire Insulation Diameter      | .99 mm[.039 in] |
| Connector System                  | Cable-to-Cable  |
| Connector & Contact Terminates To | Wire & Cable    |

### Contact Features

|   |                 |
|---|-----------------|
|   | .04 in          |
| PCB Termination Area Plating Finish           | Matte           |
| Contact Underplating Material                 | Nickel          |
| PCB Contact Termination Area Plating Material | Tin             |
| Contact Type                                  | Pin             |
| D-Sub Contact Size                            | 20              |
| Contact Base Material                         | Phosphor Bronze |



|                                      |            |
|--------------------------------------|------------|
| Contact Mating Area Plating Material | Gold Flash |
|--------------------------------------|------------|

|                              |       |
|------------------------------|-------|
| Contact Current Rating (Max) | 2.4 A |
|------------------------------|-------|

### Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

### Mechanical Attachment

|                         |      |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

### Dimensions

|  |         |
|--|---------|
|  | .054 in |
|--|---------|

|                                 |                   |
|---------------------------------|-------------------|
| Single Wire Insulation Diameter | 1.37 mm [.054 in] |
|---------------------------------|-------------------|

|  |                  |
|--|------------------|
| Accepts Wire Insulation Diameter Range | 1.27 mm [.05 in] |
|--|------------------|

|           |                          |
|-----------|--------------------------|
| Wire Size | .15 – .4 mm <sup>2</sup> |
|-----------|--------------------------|

### Usage Conditions

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

### Operation/Application

|              |       |
|--------------|-------|
| For Use With | Cable |
|--------------|-------|

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

### Packaging Features

|                    |       |
|--------------------|-------|
| Packaging Quantity | 10000 |
|--------------------|-------|

|                  |             |
|------------------|-------------|
| Packaging Method | Reel, Strip |
|------------------|-------------|

### 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)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
|--|---|

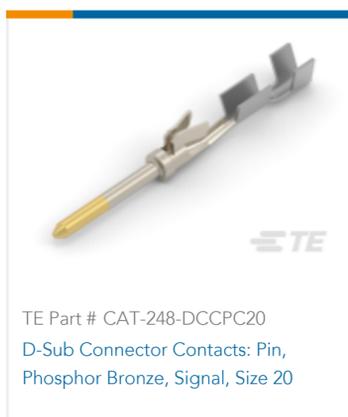
|                 |   |
|-----------------|---|
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
|-----------------|---|

|                           |  |
|---------------------------|--|
| Solder Process Capability | Not applicable for solder process capability |
|---------------------------|--|

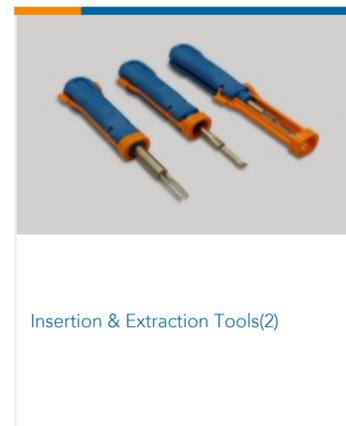
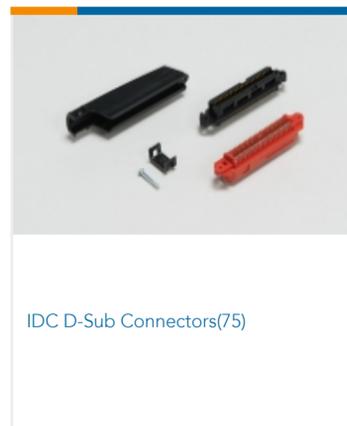
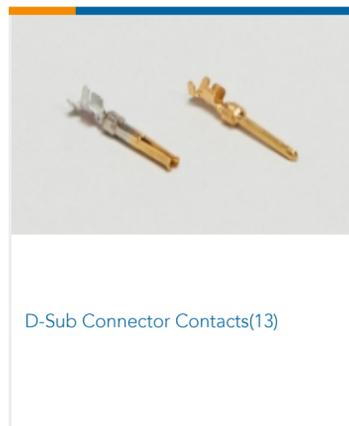
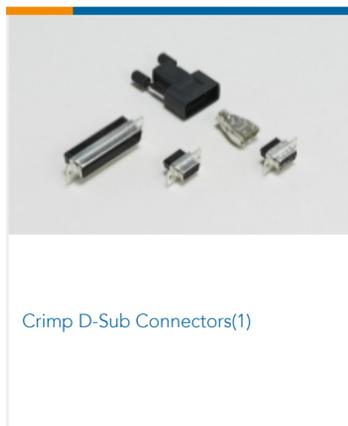
#### Product Compliance Disclaimer

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



## Also in the Series | AMPLIMITE HDE



## Documents

### Product Drawings

PIN CONTACT, HDE-20, #22-26 AWG

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-745266-0\_Y.2d\_dxf.zip

English

Customer View Model



[ENG\\_CVM\\_CVM\\_1-745266-0\\_Y.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-745266-0\\_Y.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

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

English

[AMPLIMITE Cable Connectors and Shielding Hardware Kits QRG](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Instruction Sheets

[INSERTION/EXTRACTION TOOL 91232-1](#)

English

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

English

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

English

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

English

[Hand Crimping Tool 90398-1](#)

English