



**AMPLIMITE**

TE Internal #: 1658539-1

D-Sub Connector Contacts, Pin, Size 20, Brass, Gold, Crimp, 24 – 20

AWG Wire Size, .2 – .6 mm<sup>2</sup> Wire Size, Cable-to-Cable, Wire &

Cable, 2 A, Signal

[View on TE.com >](#)

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



Contact Type: **Pin**

D-Sub Contact Size: **20**

Contact Base Material: **Brass**

Contact Mating Area Plating Material: **Gold**

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

[All D-Sub Connector Contacts: Pin, Brass, Signal, Size 20 \(55\)](#)

**Features**

**Product Type Features**

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

**Body Features**

Color Code	Yes
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**Contact Features**

Contact Mating Area Plating Thickness	.76 µm
Pin Diameter	1.02 mm[.04 in]
Contact Color Bands	Red
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin



Contact Type	Pin
D-Sub Contact Size	20
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	2 A

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

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

### Dimensions

	.06 in
Accepts Wire Insulation Diameter Range	1.27 – 1.52 mm [.05 – .06 in]
Wire Size	.2 – .6 mm <sup>2</sup>

### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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### Operation/Application

For Use With	AMPLIMITE HDP-20, CPC Connectors
Circuit Application	Signal

### Packaging Features

Packaging Quantity	10000
Packaging Method	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) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed



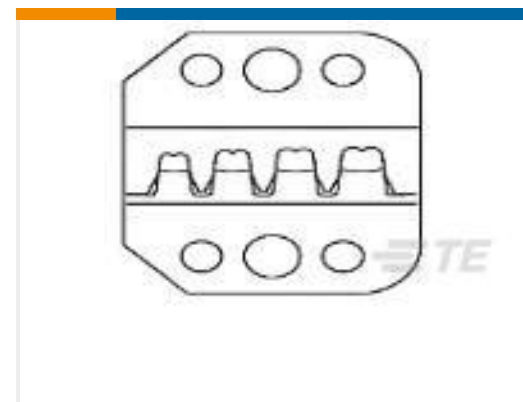











Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

**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

 <p>TE Part # CAT-AM71-C83998M CPC SERIES 2</p>	 <p>TE Part # CAT-AM71-C83998BB CPC SERIES 3</p>	 <p>TE Part # 58448-3 PRO-CRIMPER DIE</p>	 <p>TE Part # 91503-1 CCII AMPLIMITE 20 DF PIN SKT 28-20 ASSY</p>
 <p>TE Part # 1579007-9 EXTRACTION TOOL</p>	 <p>TE Part # 58448-2 PRO CR. ASSY AMPLIMITE IS 9357</p>	 <p>TE Part # 2305570-1 TERMINAL CUTTER, SIDE FEED</p>	 <p>TE Part # 91285-1 INSERT/EXTRACT TOOL ASSEMBLY</p>
 <p>TE Part # 2-2151496-1 OCEAN_2.0_APPLICATOR-S-055F062O</p>	 <p>TE Part # 2-2151496-2 OCEAN_2.0_APPLICATOR-S-055F062OA</p>	 <p>TE Part # 2151496-1 OCEAN_2.0_APPLICATOR-S-055F062O</p>	 <p>TE Part # 2151496-2 OCEAN_2.0_APPLICATOR-S-055F062OA</p>




TE Part # 5-2151496-1  
OCEAN\_2.0\_APPLICATOR-S-055F062O



TE Part # 5-2151496-2  
OCEAN\_2.0\_APPLICATOR-S-055F062OA



TE Part # 7-2151496-1  
OCEAN\_2.0\_APPLICATOR-S-055F062O



TE Part # 7-2151496-2  
OCEAN\_2.0\_APPLICATOR-S-055F062OA



**KIT**  
REPRESENTATION ONLY

TE Part # 7-2151496-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-055F062O



TE Part # BGA442N0000100B000  
912 RECEPTACLE, ANGLED, ROTATABLE



TE Part # BGA442N0000101B000  
912 receptacle angled, rotatable



TE Part # BKA441N0008100B000  
912 extension

### Customers Also Bought



TE Part #3-350945-0  
05P UMNL HDR ASSY R/A 94VO LF



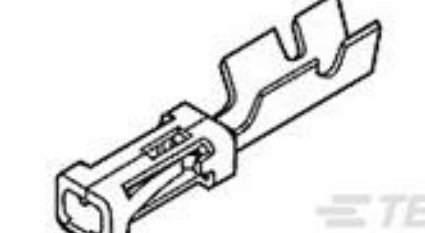
TE Part #1-5148020-5  
ASSY,PIN,EURO,"C/2",L-FREE,48




TE Part #1-5536397-5  
ASSY,RECEPT,EURO,TYPE C/2,LEAD




TE Part #66256-4  
MALE CONTACT ASSY (STRIP)




TE Part #87523-3  
MOD IV RECP LP



TE Part #1SNS320001Z3271  
RC810 CUSTOM PRINTED MARKERS



TE Part #562665-1  
GEGENSCHIEBE



TE Part #1-221607-6  
CONTACT, PLTD

### Documents

#### Product Drawings

PIN CONT DUPL PLT STRIP HD-20

English

#### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1658539-1\_C.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1658539-1\\_C.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1658539-1\\_C.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**

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

**Signal Contacts**

English

[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

[Application Specification](#)

English

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**Product Environmental Compliance**

[MD\\_1658539-1\\_040320182319\\_dmtec](#)

English

[MD\\_1658539-1\\_040320182319\\_dmtec](#)

English

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**Instruction Sheets**

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

English