



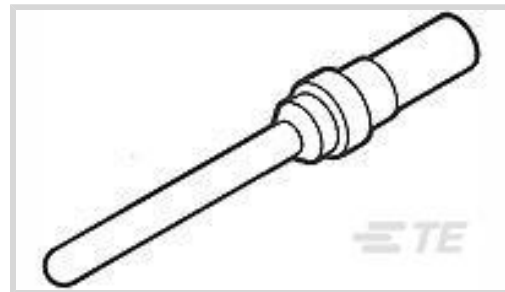
**AMPLIMITE**

TE Internal #: 205089-1

D-Sub Connector Contacts, Pin, Size 20, Copper Alloy, Gold, Crimp, 24 – 20 AWG Wire Size, .2 – .6 mm<sup>2</sup> Wire Size, Wire & Cable, 7.5 A, Signal

[View on TE.com >](#)

Connectors > D-Shaped Connectors > D-Sub Connector Contacts



Contact Type: **Pin**

D-Sub Contact Size: **20**

Contact Base Material: **Copper Alloy**

Contact Mating Area Plating Material: **Gold**

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

**Features**

**Product Type Features**

Product Type	Contact
Connector & Contact Terminates To	Wire & Cable

**Body Features**

Color Code	Yes
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**Contact Features**

Pin Diameter	.04 mm
Contact Color Bands	Orange, Blue, White
	50 μin
Contact Style	Long
Contact Underplating Material	Nickel
Contact Type	Pin
D-Sub Contact Size	20
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	7.5 A

**Termination Features**

Termination Post Length	.33 mm
Termination Method to Wire & Cable	Crimp



### Dimensions

Insulation Diameter (Max)	.07 mm[1.83 in]
Post Diameter	.04 mm[1.04 in]
Wire Size	.2 – .6 mm <sup>2</sup>

### Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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### Operation/Application

High Current	No
For Use With	AMPLIMITE
Circuit Application	Signal

### Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

### 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	Compliant with Exemptions
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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (1.5% in Component Part) <b>Article Safe Usage Statements:</b> 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



TE Part # CAT-AM71-C83998M  
CPC Connectors, Series 2



TE Part # CAT-AM71-C83998BB  
CPC SERIES 3



TE Part # 205164-6  
AMPLIMITE,ASY,PLUG,109,2



TE Part # 205162-1  
AMPLIMITE,ASY,PLUG,STD,109,1



TE Part # 205164-1  
AMPLIMITE,ASY,PLUG,STD,109,2



TE Part # 205166-1  
AMPLIMITE,ASY,PLUG,STD,109,3



TE Part # 205168-1  
AMPLIMITE,ASY,PLUG,STD,109,4



TE Part # 205166-5  
AMPLIMITE,ASY,PLUG,109,3



TE Part # 205164-5  
AMPLIMITE,ASY,PLUG,109,2



TE Part # 205414-1  
AMPLIMITE,ASY,PLUG,FB,109,4



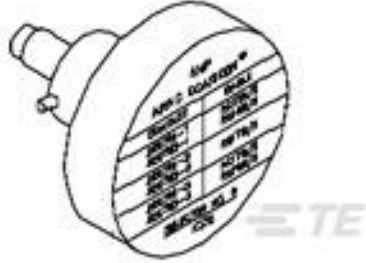
TE Part # 205162-6  
AMPLIMITE,ASY,PLUG,109,1



TE Part # 1757821-4  
AMPLIMITE,ASY,PLUG,FB,109,ZN,4



TE Part # 205564-3  
AMPLIMITE,ASY,PLUG,STD,109,5,KIT



TE Part # 601966-5  
K13-1 POSITIONER



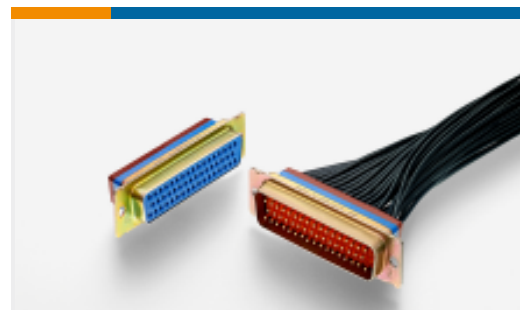
TE Part # 601966-1  
CRIMPING TOOL M22520/2-01



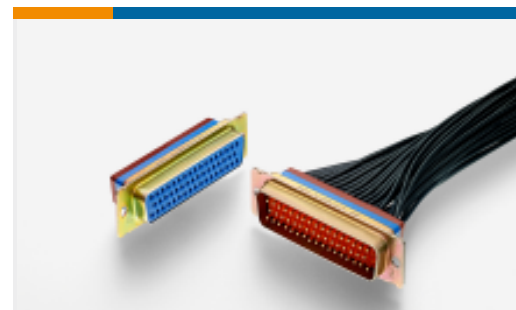
TE Part # 1-2221860-1  
AMPLIMITE IP67,SZ1, 90, 15 POS,IFS, PLUG



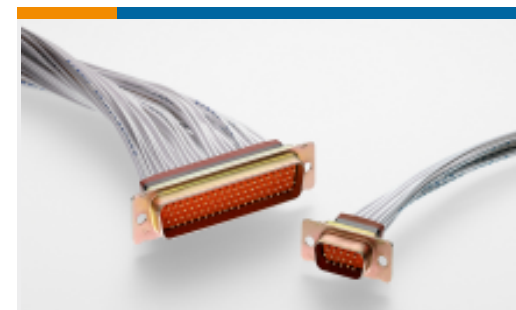
TE Part # 205170-1  
AMPLIMITE,ASY,PLUG,STD,109,5



TE Part # 1-2157480-3  
AMPLIMITE IP67,SZ3, 109, 25 POS,IFS,  
PLUG



TE Part # 1-2157480-4  
AMPLIMITE IP67,SZ4, 109, 37 POS,IFS,  
PLUG



TE Part # 1-2221860-2  
AMPLIMITE IP67,SZ2, 90, 26 POS,IFS,  
PLUG

## Documents

### Product Drawings

#### HD 20 PIN CONTACT

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_205089-1\\_BP.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_205089-1\\_BP.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_205089-1\\_BP.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### 1308940\_Sec8\_amplimite

English

#### AMP Circular Connectors for Commercial Signal & Power Applications

English

### Product Specifications

#### Application Specification

English

#### AMPLIMITE 109 Pin And Socket Contacts Used With Astro Hand Tool

English

### Product Environmental Compliance

#### MD\_205089-1\_050420181213\_dmtec

English

#### MD\_205089-1\_050420181213\_dmtec

English



[Instruction Sheets](#)

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

English