



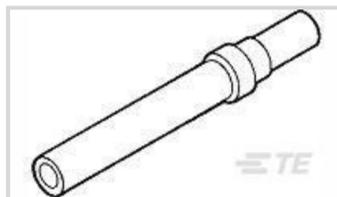
AMPLIMITE

TE Internal #: 205090-1

D-Sub Connector Contacts, Socket, Size 20, Copper Alloy, Gold, Crimp, 24 – 20 AWG Wire Size, .2 – .6 mm² Wire Size, Wire & Cable, 7.5 A, Signal

[View on TE.com >](#)

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



Contact Type: **Socket**

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

	50 μin
Contact Style	Standard
Contact Color Bands	Orange, Blue, Gray
Contact Underplating Material	Nickel
Contact Type	Socket
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	.31 mm
Termination Method to Wire & Cable	Crimp

Dimensions



Insulation Diameter (Max)	.07 mm[1.83 in]
Post Diameter	.04 mm
Wire Size	.2 – .6 mm ²

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 (1.2% in Component Part) Article Safe Usage Statements: 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 # 205167-1
RECEPT ASSY,37 POSN,AMPLIMITE



TE Part # 205161-1
AMPLIMITE,ASY,RCPT,STD,109,1



TE Part # 205161-5
AMPLIMITE,ASY,RCPT,109,1



TE Part # 205169-1
RECEPT ASSY,50 POSN,AMPLIMITE



TE Part # 1-2221760-5
AMPLIMITE IP67, SZ5, 90, 78 POS, RCPT



TE Part # 1-2221760-3
AMPLIMITE IP67, SZ3, 90, 44 POS, RCPT



TE Part # 205419-1
RECEPT ASSY,37 POSN,AMPLIMITE



TE Part # 2221760-1
AMPLIMITE IP67, SZ1, 90, 15 POS, RCPT



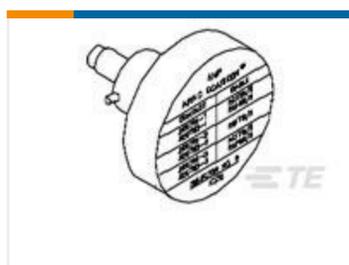
TE Part # 2221760-3
AMPLIMITE IP67, SZ3, 90, 44 POS, RCPT



TE Part # 2221760-2
AMPLIMITE IP67, SZ2, 90, 26 POS, RCPT



TE Part # 211529-1
AMPLIMITE,ASY,RCPT,FB,109,5



TE Part # 601966-5
K13-1 POSITIONER



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



TE Part # 1757822-5
AMPLIMITE,ASY,RCPT,FB,109,ZN,5



TE Part # 205165-1
RECEPT ASSY, 25 POSN, AMPLIMITE



TE Part # 1-2157481-3
AMPLIMITE IP67, SZ3, 109, 25 POS,
RCPT



TE Part # 1-2221760-6
AMPLIMITE IP67, SZ6, 90, 104 POS,
RCPT



TE Part # 2157481-1
AMPLIMITE IP67, SZ1, 109, 9 POS,
RCPT

Documents

Product Drawings

HD 20 SOCKET CONTACT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_205090-1_BB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_205090-1_BB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_205090-1_BB.3d_stp.zip](#)

English

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

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_205090-1_12132017225_dmtec

English

MD_205090-1_12132017225_dmtec

English



[Instruction Sheets](#)

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

English