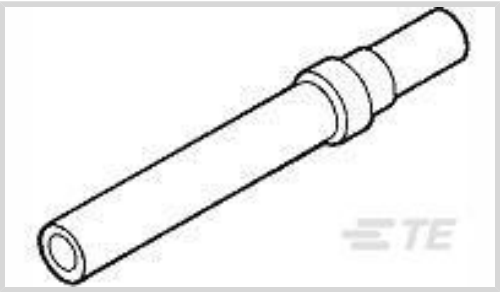




Terminals & Splices > Contacts > D-Sub Connector Contacts



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 Mating Area Underplating Material	Nickel
Contact Color Bands	Orange, Blue, Gray
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)	.072 mm[1.83 in]
Post Diameter	.04 mm
Wire Size	.2 – .6 mm²

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: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Pb (1.2% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 TE Model / Part # CAT-AM71-C83998M CPC SERIES 2	 TE Model / Part # CAT-AM71-C83998BB CPC SERIES 3	 TE Model / Part # 205167-1 RECEPT ASSY,37 POSN,AMPLIMITE	 TE Model / Part # 205161-1 AMPLIMITE,ASY,RCPT,STD,109,1
 TE Model / Part # 205161-5 AMPLIMITE,ASY,RCPT,109,1	 TE Model / Part # 205165-1 RECEPT ASSY,25 POSN,AMPLIMITE	 TE Model / Part # 205169-1 RECEPT ASSY,50 POSN,AMPLIMITE	 TE Model / Part # 1-2157481-3 AMPLIMITE IP67, SZ3, 109, 25 POS, RCPT
 TE Model / Part # 1-2157481-1 AMPLIMITE IP67, SZ1, 109, 9 POS, RCPT	 TE Model / Part # 1-2157481-4 AMPLIMITE IP67, SZ4, 109, 37 POS, RCPT	 TE Model / Part # 1-2221760-1 AMPLIMITE IP67, SZ1, 90, 15 POS, RCPT	 TE Model / Part # 1757822-5 AMPLIMITE,ASY,RCPT,FB,109,ZN,5 RCPT
 TE Model / Part # 1-2221760-5 AMPLIMITE IP67, SZ5, 90, 78 POS, RCPT	 TE Model / Part # 1-2221760-6 AMPLIMITE IP67, SZ6, 90, 104 POS, RCPT	 TE Model / Part # 205419-1 RECEPT ASSY,37 POSN,AMPLIMITE	 TE Model / Part # 2157481-1 AMPLIMITE IP67, SZ1, 109, 9 POS, RCPT



TE Model / Part # 2157481-2
AMPLIMITE IP67, SZ2, 109, 15 POS, RCPT



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



TE Model / Part # 2157481-4
AMPLIMITE IP67, SZ4, 109, 37 POS, RCPT



TE Model / Part # 2157481-5
AMPLIMITE IP67, SZ5, 109, 50 POS, RCPT

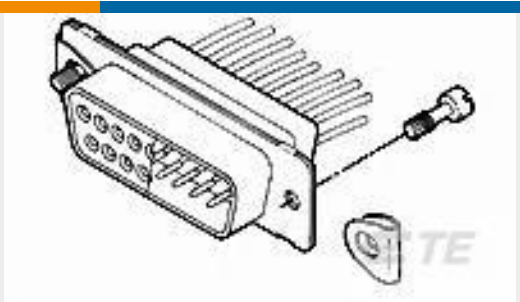
Customers Also Bought



TE Model / Part #1757819-1
AMPLIMITE,ASY,PLUG,STD,109,ZN,1



TE Model / Part #1757820-1
AMPLIMITE,ASY,RCPT,STD,109,ZN,1



TE Model / Part #5205980-1
SCREW RETAINER KIT



TE Model / Part #5748676-3
DIE CAST CBL CLMP KIT,SZ 3



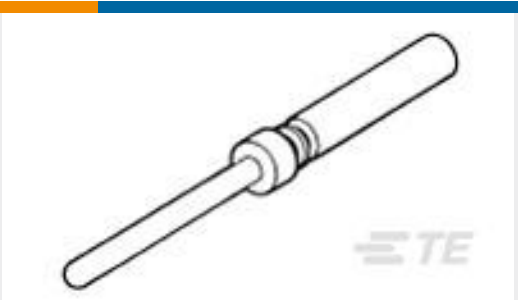
TE Model / Part #5748676-1
DIE CAST CBL CLMP KIT,SZ 1



TE Model / Part #205203-8
CRIMP SNAP RCPT ASSY,SIZE 1



TE Model / Part #205204-9
CRIMP SNAP PLUG ASSY,SIZE 1



TE Model / Part #204370-2
PIN CONTACT,Sz22D,22-28 AWG



TE Model / Part #205089-1
HD 20 PIN CONTACT



TE Model / Part #205203-3
CRIMP SNAP RCPT ASSY,SIZE 1

Documents

Product Drawings
HD 20 SOCKET CONTACT
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_205090-1_AZ.2d_dxf.zip



English

Customer View Model

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

English

Customer View Model

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

English

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

Datasheets & Catalog Pages

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

English

[Sealed AMPLIMITE D-Subminiature Connectors](#)

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

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

English