



AMPLIMITE

TE Internal #: 205089-1
Pin Contact, Gold, Size 20 Contact Size, 24 – 20 AWG Wire Size, .2 – .6 mm² Wire Size, Crimp, Copper Alloy, Signal, -55 – 125 °C [-67 – 257 °F]

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**
Contact Mating Area Plating Material: **Gold**
Contact Size: **Size 20**
Wire Size: **.2 – .6 mm²**

Features

Contact Features

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

Termination Features

Termination Post & Tail Diameter	.04 mm[1.04 in]
Termination Post & Tail Length	.33 mm
Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Dimensions



Compatible Insulation Diameter Range	.07 mm[1.83 in]
Wire Size	.2 – .6 mm ²

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
-----------------------------	----------------------------

Operation/Application

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

Identification Marking

Contact Color Code	Blue, Orange, White
--------------------	---------------------

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (1.34% 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

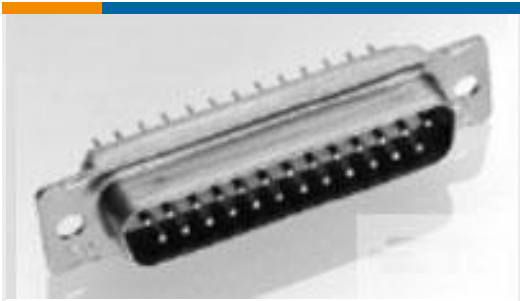
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



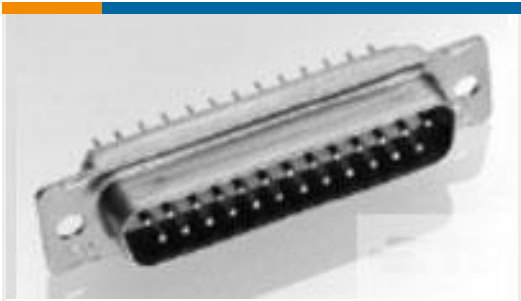
on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

 TE Part # CAT-AM71-C83998M CPC Connectors, Series 2	 TE Part # CAT-AM71-C83998BB CPC SERIES 3	 TE Part # 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 # 205170-1 AMPLIMITE,ASY,PLUG,STD,109,5
 TE Part # 1-2157480-3 AMPLIMITE IP67,SZ3, 109, 25 POS,IFS, PLUG	 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 # 2157480-3 AMPLIMITE IP67,SZ3, 109, 25 POS,IFS, PLUG	 TE Part # 2157480-4 AMPLIMITE IP67,SZ4, 109, 37 POS,IFS, PLUG	 TE Part # 2221860-2 AMPLIMITE IP67,SZ2, 90, 26 POS,IFS, PLUG



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



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



TE Part # 2157480-5
AMPLIMITE IP67,SZ5, 109, 50 POS,IFS, PLUG



TE Part # 2221860-5
AMPLIMITE IP67,SZ5, 90, 78 POS,IFS, PLUG

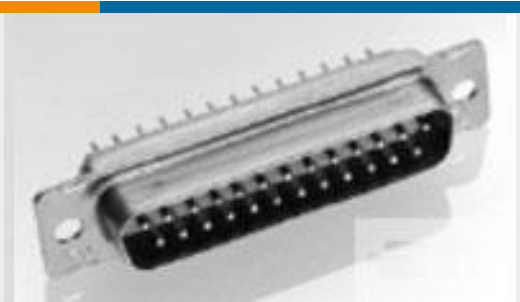
Customers Also Bought



TE Part #66425-7
III+ PIN,30-26,15AU/FL,STRIP



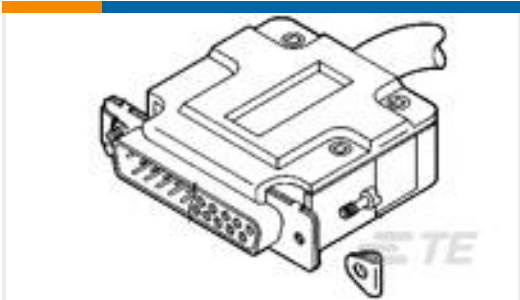
TE Part #1757819-2
AMPLIMITE,ASY,PLUG,STD,109,ZN,2



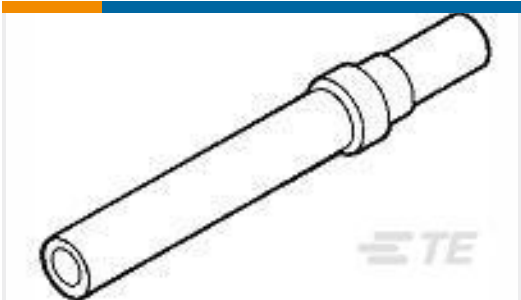
TE Part #1757819-1
AMPLIMITE,ASY,PLUG,STD,109,ZN,1



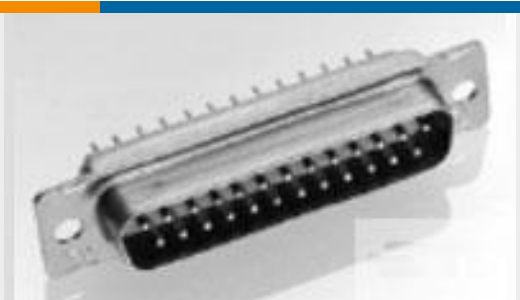
TE Part #1757820-1
AMPLIMITE,ASY,RCPT,STD,109,ZN,1



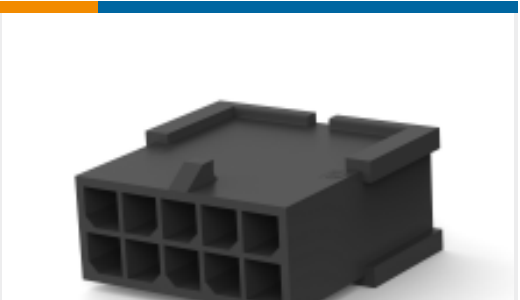
TE Part #5207908-4
STRAIN REL W/SCREW RET KIT



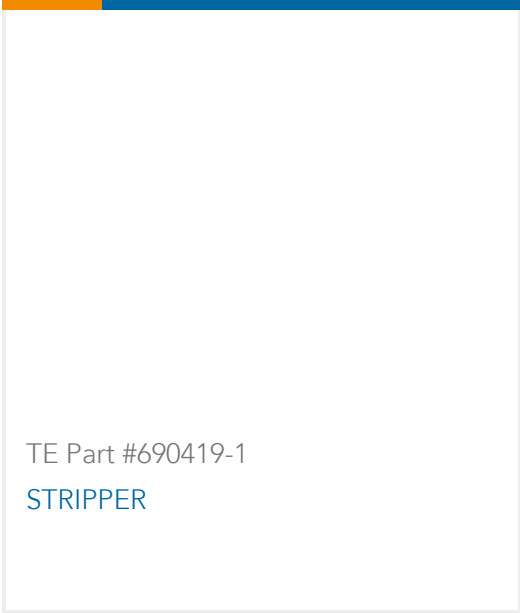
TE Part #205090-1
HD 20 SOCKET CONTACT



TE Part #1757819-3
AMPLIMITE,ASY,PLUG,STD,109,ZN,3



TE Part #3-794616-0
10P MICRO MNL PLUG HSG FREE HNG DBL RW



TE Part #690419-1
STRIPPER

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

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

Instruction Sheets

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

English