AMP-0-0205089-1 ✔ ACTIVE

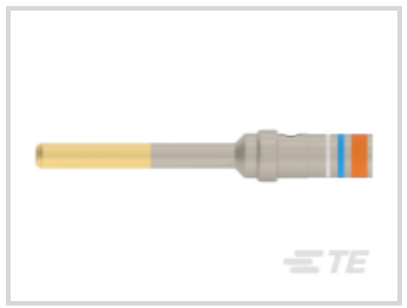
AMPLIMITE

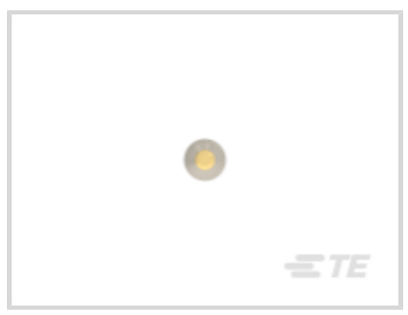
TE Internal #: 205089-1

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 mm²

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



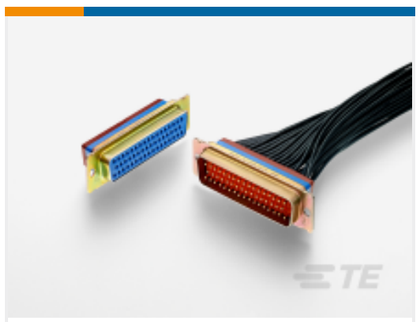
TE Part # 205414-1
AMPLIMITE,ASY,PLUG,FB,109,4



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

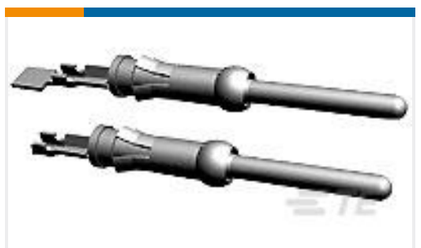


TE Part # 2157480-5
AMPLIMITE IP67,SZ5, 109, 50 POS,IFS, PLUG



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



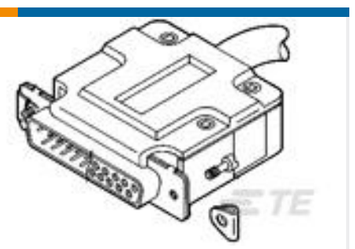
TE Part #1757819-2
AMPLIMITE,ASY,PLUG,STD,109,ZN,2



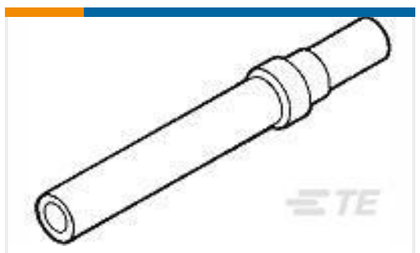
TE Part #1757819-1
AMPLIMITE,ASY,PLUG,STD,109,ZN,1



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



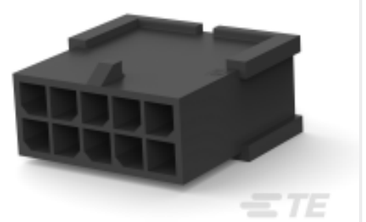
TE Part #5207908-4
STRAIN REL W/SCREW RET KIT



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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2834055-1 RH73H2A40MKTN 1-794222-0 1743455-2 3-1393225-0 917696-1 SBCHE154R7K TE50BR39J
2377783-2 2380312-2 CPF0402B37K4E1 CRGCQ2010J3K3 3430B2F51RTDF 650075-000 MPT100C18RF
U5254-000005-030PA 1-962915-1 175977-2 3631B101LL ROX05SJ18R SBCHE64R7K SMW73R0JT
1393431-1 141991-2 1903112-2 2005330-1 936348-1 1969656-1 2-292161-3 2310537-1