

AMPLIMITE

TE Part # 66506-4

TE Internal #: 66506-4

[View on TE.com >](#)



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



Contact Type: **Pin**

Contact Size: **20**

Contact Base Material: **Brass**

Contact Mating Area Plating Material: **Gold Flash over Nickel**

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

Features

Product Type Features

Product Type	Contact
Grade	Standard
Connector System	Cable-to-Cable
Connector & Contact Terminates To	Wire & Cable

Contact Features

	30 μ m
Pin Diameter	1.02 mm[.04 in]
PCB Contact Termination Area Plating Material	Gold
Contact Type	Pin
Contact Size	20
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold Flash over Nickel
Contact Current Rating (Max)	2 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention in Housing	Crimp Snap-In
Wire Insulation Support	With

Dimensions

	.06 in
Post Diameter	2.16 mm
Accepts Wire Insulation Diameter Range	1.27 – 1.52 mm [.05 – .06 in]
Wire Size	.2 – .6 mm ²

Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Operation/Application

For Use With	AMPLIMITE HDP-20, CPC Connectors
Circuit Application	Signal

Packaging Features

Packaging Quantity	10000
Packaging Method	Strip

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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



Applicators(5)



Circular Power Connectors
(10)



Insertion & Extraction Tools
(2)



Portable Crimp Tools(4)



Spare & Wear Tooling(1)

Customers Also Bought



TE Part #5205208-1
CRIMP SNAP PLUG ASSY,
25 POS



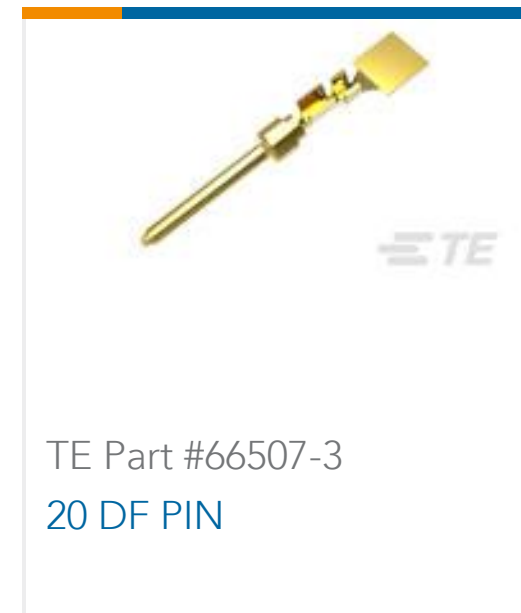
TE Part #1658642-1
HDP-20,PLUG,SIZE 1, 9
POSN,CLI



TE Part #1658643-1
HDP-20,RCPT,SIZE 1, 9
POSN,CLI



TE Part #3-747579-4
SHLDNG FERRULE, PLTD,
BULK PKG



Documents

Product Drawings

[HD 20 DF PIN PLTD](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_66506-4_CE_c-66506-4-ce.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_66506-4_CE_c-66506-4-ce.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_66506-4_CE_c-66506-4-ce.2d_dxf.zip](#)

English

Datasheets & Catalog Pages

[Signal Contacts](#)

English

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

English

[AMPLIMITE Subminiature D Connectors - Cable Connectors](#)

English

Product Specifications

[Application Specification](#)



English

[Application Specification](#)

English

[Product Environmental Compliance](#)

[TE Material Declaration](#)

English

[Instruction Sheets](#)

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

English

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

English

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

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