



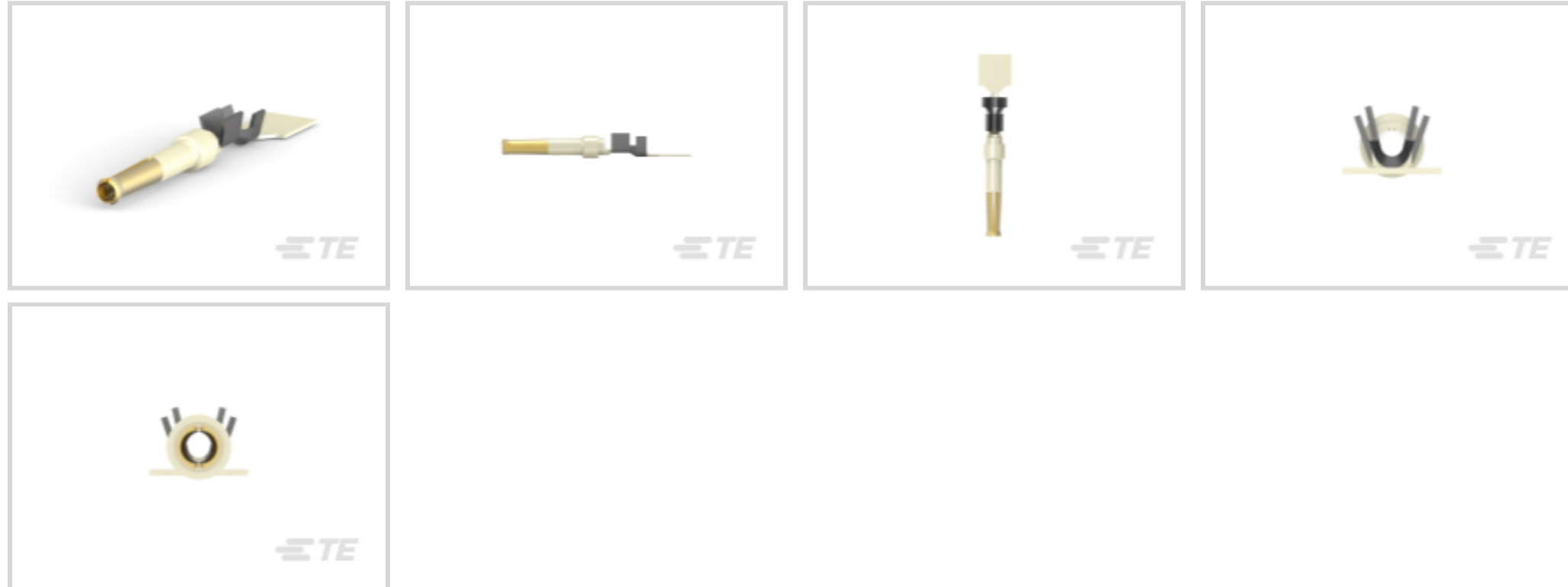
AMPLIMITE

TE Internal #: 166051-1

D-Sub Connector Contacts, Socket, Contact Size Size 20, Phosphor Bronze, Gold, Crimp, 24 – 20 AWG Wire Size, .2 – .56 mm² Wire Size, Wire & Cable, 2 A

[View on TE.com >](#)

Connectors > D-Shaped Connectors > D-Sub Connector Contacts > D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20



Contact Type: **Socket**

Contact Size: **Size 20**

Contact Base Material: **Phosphor Bronze**

Contact Mating Area Plating Material: **Gold**

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

[All D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20 \(56\)](#)

Features

Product Type Features

Connector & Contact Terminates To	Wire & Cable
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Contact Features

Mating Pin Diameter	1 mm
Contact Mating Area Plating Material Thickness	.76 µm
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Size	Size 20
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	2 A

Termination Features

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Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Snap-In
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Wire Insulation Support	With
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Dimensions

Insulation Diameter (Max)	1.52 mm
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Compatible Insulation Diameter Range	1.27 – 1.52 mm [.05 – .06 in]
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Wire Size	.2 – .56 mm ²
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Usage Conditions

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

Circuit Application	Signal
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Identification Marking

Contact Color Code	Red
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Packaging Features

Packaging Quantity	12500
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Packaging Method	Reel
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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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 # 91503-1
CCI AMPLIMITE 20 DF PIN SKT 28-20 ASSY



TE Part # 1579007-9
EXTRACTION TOOL



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 91285-1
INSERT/EXTRACT TOOL ASSEMBLY



TE Part # 2151496-1
OCEAN_2.0_APPLICATOR-S-055F062O



TE Part # 2151496-2
OCEAN_2.0_APPLICATOR-S-055F062OA



TE Part # 5-2151496-1
OCEAN_2.0_APPLICATOR-S-055F062O



TE Part # 7-2151496-7
OCEAN_2.0_SPARE_PART_KIT-055F062O

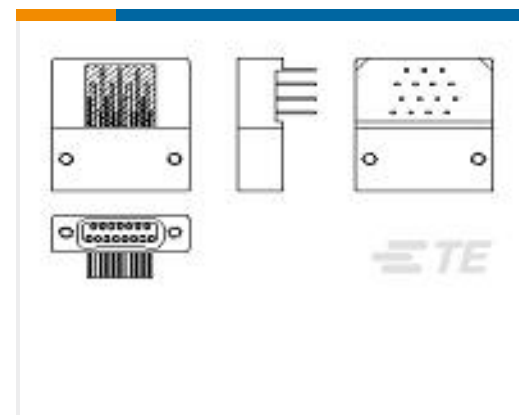
Customers Also Bought



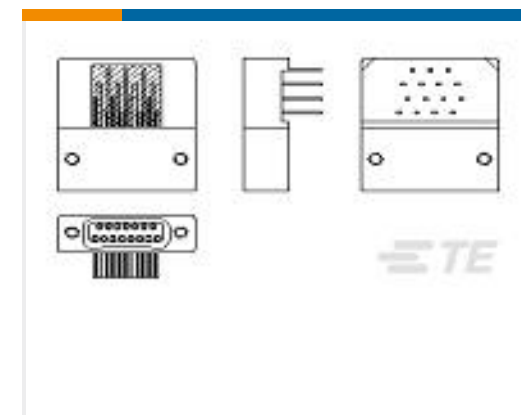
TE Part #164532-4
15P.HDP20 REC.ASSY.



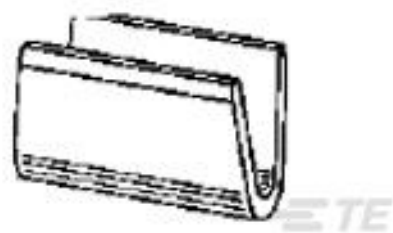
TE Part #2-2308341-1
FULL METAL HOODS SIZE 2-11 (RAW 135 DEG)



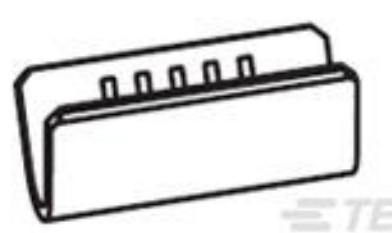
TE Part #1589809-9
STM015W6AN = Thru-Hole



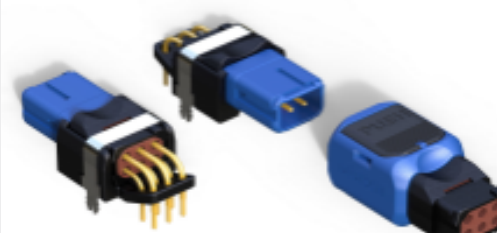
TE Part #1-1589809-1
STM025W6AN = Thru-Hole



TE Part #926823-4
AM WIRE PIN 20-17 .013 PTPB



TE Part #926824-4
AM WIRE PIN 17-13 0.32MM PTPB



TE Part #YD369-B99-AP4-119P
369 9 WAY PANEL MNT REC, 90 PCB
PIN 119P



TE Part #1-1579024-3
HT40 HAND TOOL, MPT 6,0-10,0 SQ.
MM

TE Part #1589678-1
N11875 = HEADER

Documents

Product Drawings

24-20 AWG HD-20 SOCKET

English

CAD Files

Customer View Model

[ENG_CVM_CVM_166051-1_AJ.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_166051-1_AJ.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_166051-1_AJ.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Subminiature D Connectors for Cable Mounting

English

NECTOR_S_LINE_CONNECTOR_BROCHURE

English

Product Specifications

Application Specification

English



Product Environmental Compliance

[MD_166051-1_081120161042_dmtec](#)

English

[MD_166051-1_081120161042_dmtec](#)

English