5174225-1 ✔ ACTIVE

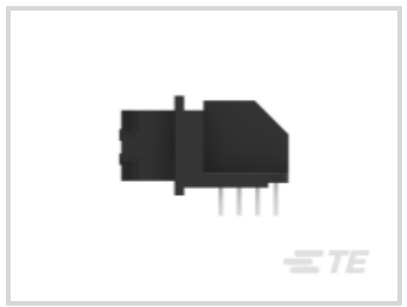
AMPLIMITE | AMPLIMITE 0.50 Series

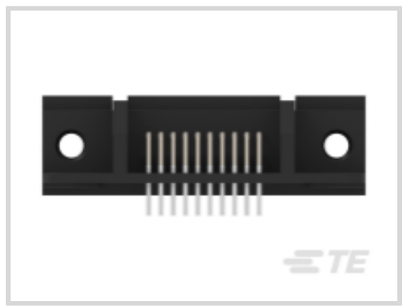
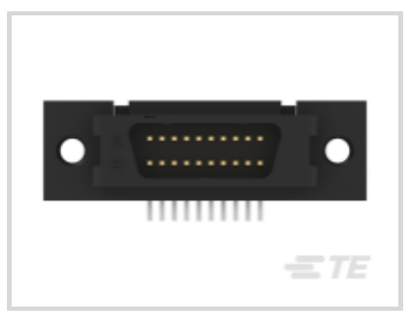
TE Internal #: 5174225-1

20 Position D-Shaped Connector, Plug, Cable-to-Board, Board Mount, 1.27 mm [.05 in] Centerline, Printed Circuit Board, Signal, AMPLIMITE 0.50 Series

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Right Angle, 1.27mm

Number of Positions: **20**

Connector & Housing Type: **Plug**

Connector System: **Cable-to-Board**

Connector Mounting Type: **Board Mount**

Centerline (Pitch): **1.27 mm [.05 in]**

All D-Sub Plug Assembly: Standard, Right Angle, 1.27mm (7)

Features

Product Type Features

Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	20
Number of Rows	2
PCB Mount Orientation	Right Angle

Body Features

Shield Plating Material	Nickel over Copper
Shield Material	Zinc
Shell Plating Material	Nickel over Copper

Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin, Tin over Nickel
Contact Shape & Form	Square
Contact Options	Installed

Termination Features

Rectangular Termination Post & Tail Width	.45 mm[.017 in]
Rectangular Termination Post & Tail Thickness	.4 mm[.015 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	2.9 mm[.114 in]

Mechanical Attachment

Mounting Hole Diameter	2.7 mm
Mating Alignment	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Latch

Housing Features

Housing Material	PBT
Shell Material	Zinc Die Cast
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Shielded	Yes

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	9
Packaging Method	Tray

Product Compliance

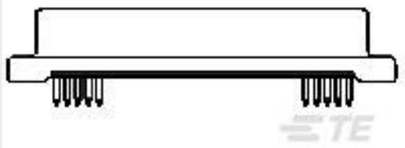
For compliance documentation, visit the product page on TE.com>

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

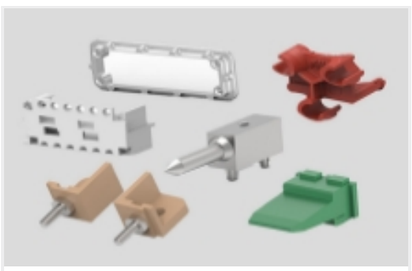
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

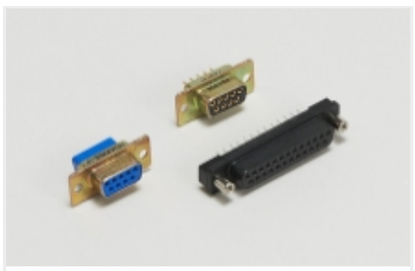


TE Part # 5175710-5
BD TO BD CONN W/SF RET POST

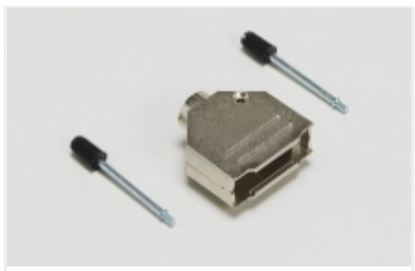
Also in the Series | AMPLIMITE 0.50 Series



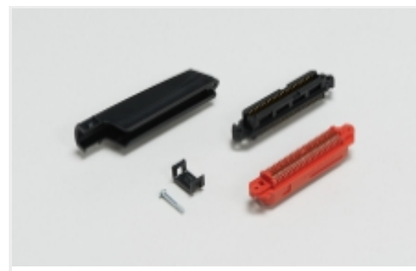
Connector Hardware(6)



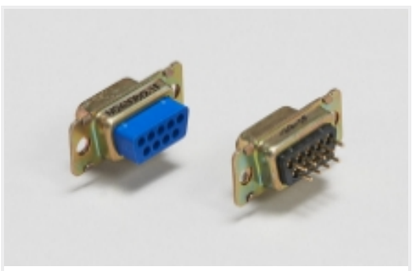
D-Shaped Connectors(234)



D-Sub Backshells & Clamps(20)



IDC D-Sub Connectors(63)



Panel Mount D-Sub Connectors(27)

Customers Also Bought



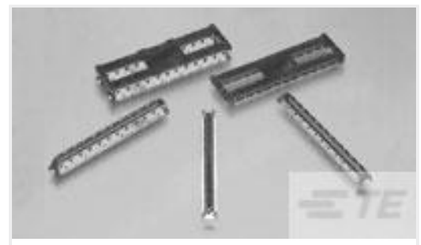
TE Part #2-178139-2
DYNAMIC 3200 HDR H 6P ASSY PdNi



TE Part #1376020-1
DYNAMIC D2100 HDR H ASSY 12P X



TE Part #1551920-2
zQSFP+ connector assembly



TE Part #3-1827233-6
.5FHP05H,440,B,GIG,08/Sn,HT,NS



TE Part #4-2170747-4
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP

Documents

Product Drawings

AMPLIMITE 050-2B HOR 20P M2.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5174225-1_A_c-5174225-1-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5174225-1_A_c-5174225-1-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5174225-1_A_c-5174225-1-a.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Product Specification

English

Product Specification

English