5174215-5 ✔ ACTIVE

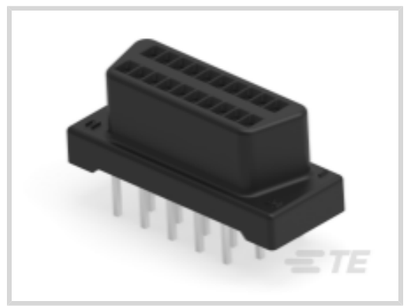
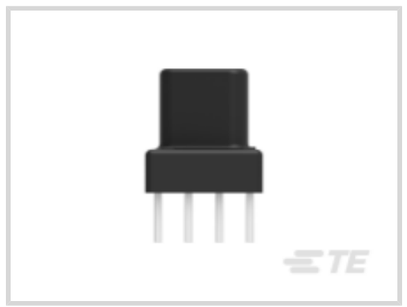
AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 5174215-5

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 > AMPLIMITE D-Sub Receptacle Assembly: Vertical, 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 AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm (41)

Features

Product Type Features

Shell Material Configuration	All Plastic
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	Vertical

Body Features

Primary Product Color	Black
Connector Profile	Standard

Contact Features

	30 µin
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 Current Rating (Max)	1 A
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	3.1 mm[.122 in]

Mechanical Attachment

Mating Alignment	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
PCB Mount Retention	Without
Mating Retention	Without

Housing Features

Housing Material	PBT
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

PCB Thickness (Recommended)	.8 – 1.6 mm
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	200
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 # 5174215-4
AMPLIMITE.050 PLUG ASS'Y (V) 60P PB-FREE

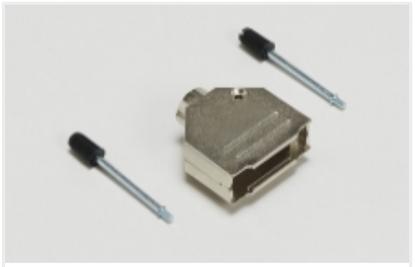
Also in the Series | AMPLIMITE 0.50 Series



Connector Backshells(20)



Connector Caps & Covers(20)



D-Sub Backshells & Clamps(20)

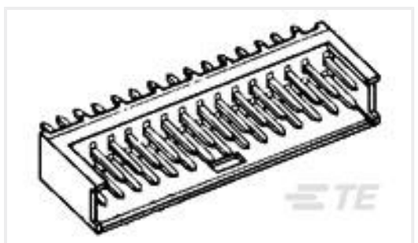


Insertion & Extraction Tools(1)



PCB D-Sub Connectors(171)

Customers Also Bought



TE Part #280509-1
BARRE MODU 2 2X 9



TE Part #619135-1
BOARD TO BOARD CONNECTOR



TE Part #4-1622825-7
RL73K 3A R33 5% 4K RL



TE Part #1625984-8
HSA50 12R 5%



TE Part #CAT-C339-T419
Power Resistor: Aluminum Housed, 75 Watt



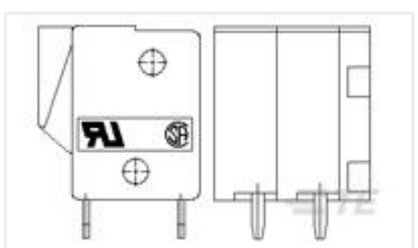
TE Part #8-2176421-9
TLRP 2512 2.0W R068 1% 75PPM 4K RL



TE Part #2205064-2
CA MICRO-MATCH MOW-MOW 12POS



TE Part #5569256-1
STK MJ ASSY,8POS,2X3,SHLD,CAT5



TE Part #1776260-6
6P Spring TB, 180deg, VT,5.08mm, Green

Documents

Product Drawings

AMPLIMITE.050 PLUG ASS'Y (V) 20P PB-FREE

English

CAD Files

Customer View Model

ENG_CVM_CVM_5174215-5_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5174215-5_O.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_5174215-5_O.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_5174215-5_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_5174215-5_A1.2d_dxf.zip

English

3D PDF

English

Customer View Model

ENG_CVM_5174215-5_A1.3d_igs.zip

English

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Product Specifications

Product Specification

English

Product Specification

English