

5174215-5 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

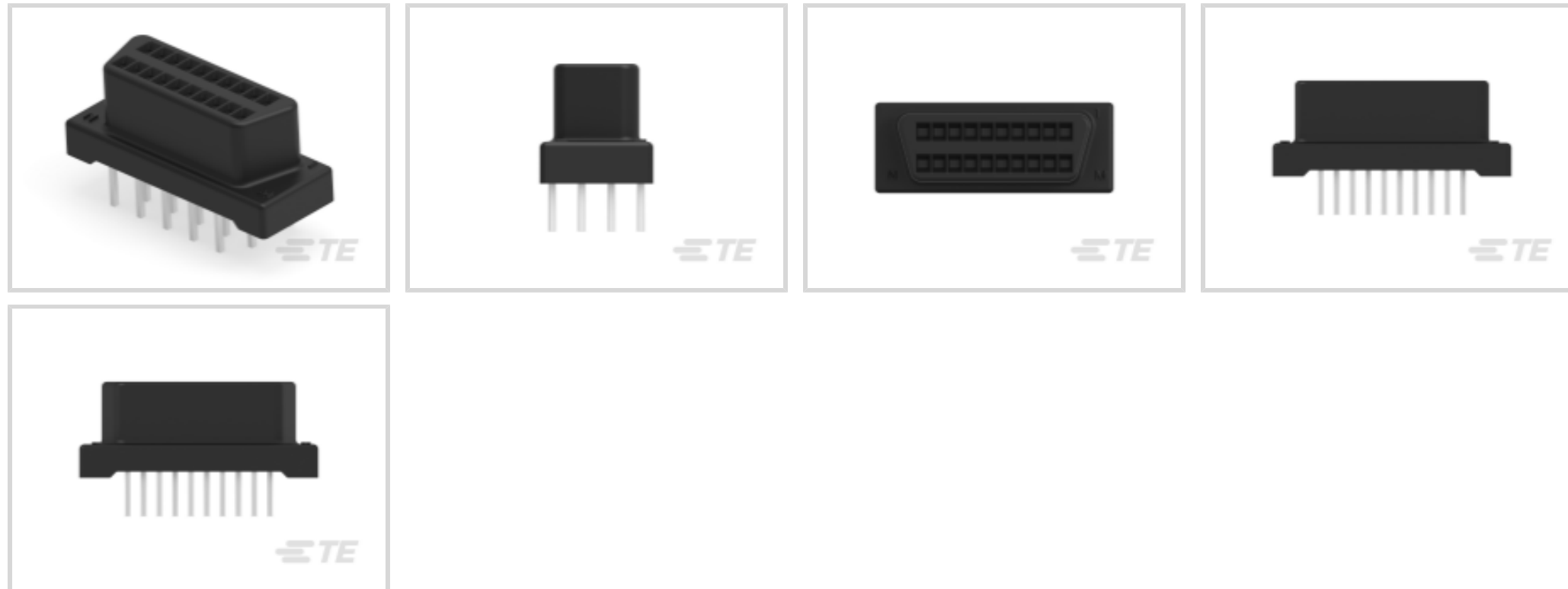
TE Internal #: 5174215-5

PCB D-Sub Connectors, Plug, Cable-to-Board, 20 Position, 1.27 mm  
[.05 in] Centerline, 2 Row, Square, Standard Profile, Vertical,  
AMPLIMITE 0.50 Series

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm



Connector & Housing Type: **Plug**

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

Number of Positions: **20**

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

Number of Rows: **2**

[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



Contact Options	Installed
	30 µin
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin, Tin over Nickel
Contact Base Material	Phosphor Bronze
Contact Shape & Form	Square
Contact Current Rating (Max)	1 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.4 mm[.015 in]
Rectangular Termination Post & Tail Width	.45 mm[.017 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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

### 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]
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### Operation/Application

Shielded	No
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



Also in the Series | [AMPLIMITE 0.50 Series](#)



Connector Backshells(31)



Connector Caps &amp; Covers(21)



Connector Hardware(7)



IDC D-Sub Connectors(64)



Insertion &amp; Extraction Tools(1)



PCB D-Sub Connectors(172)

## Customers Also Bought

TE Part #FC2311-0000-0250-L  
FC23 MV 2FT CABLE 250L

## Documents

### Product Drawings

[AMPLIMITE.050 PLUG ASS'Y \(M\) 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](#)

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**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](#)

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