

5173279-3 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

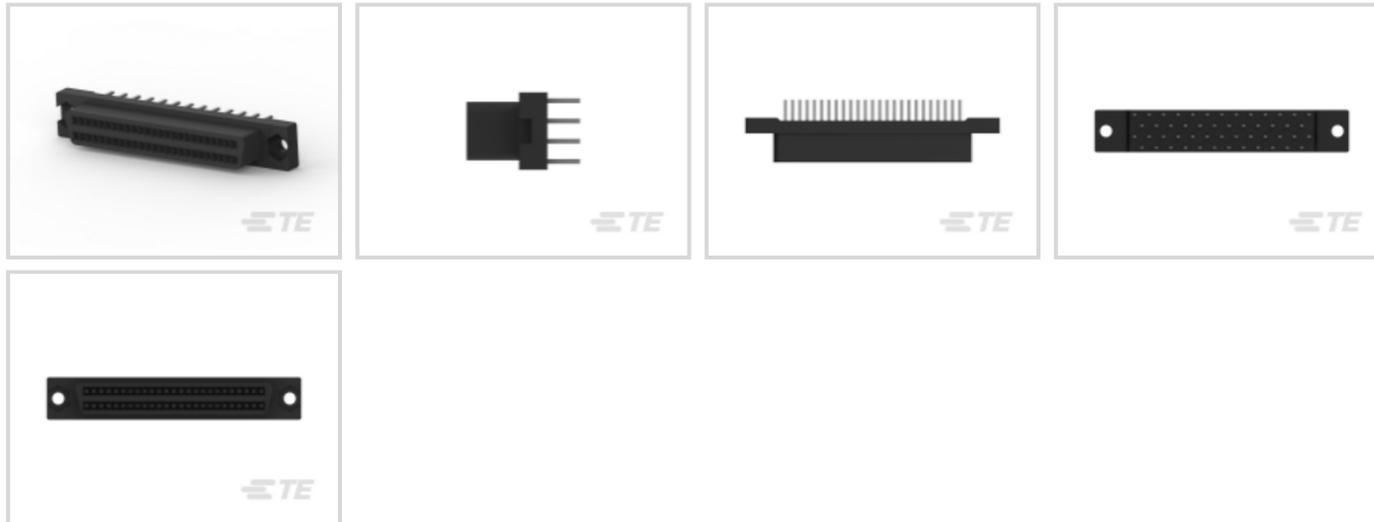
TE Internal #: 5173279-3

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

[View on TE.com >](#)



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



Number of Positions: 50

Connector & Housing Type: Receptacle

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	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	50
Number of Rows	2
PCB Mount Orientation	Vertical

### Body Features

Primary Product Color	Black
Connector Profile	Standard

### Contact Features



Contact Mating Area Plating Material Thickness	.2 $\mu$ m
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin over Nickel
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

Mounting Hole Diameter	2.15 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	Without

### Housing Features

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

### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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### 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	88
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	有害物质含量符合标准要求 No Restricted Substance(s) 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

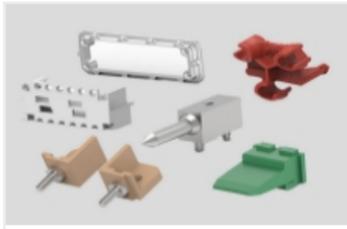
### Product Compliance Disclaimer

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>

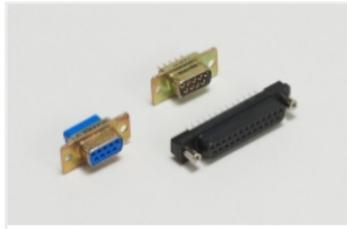
## Compatible Parts



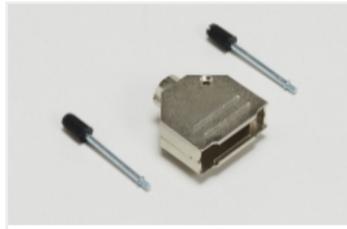
Also in the Series | [AMPLIMITE 0.50 Series](#)



Connector Hardware(6)



D-Shaped Connectors(234)



D-Sub Backshells & Clamps(20)

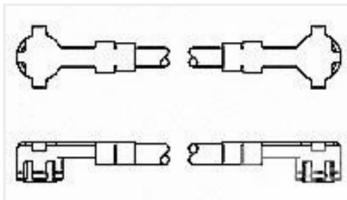


IDC D-Sub Connectors(63)

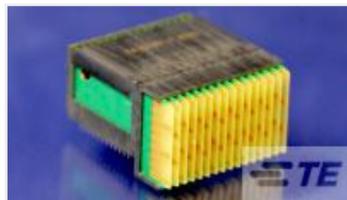


Panel Mount D-Sub Connectors(27)

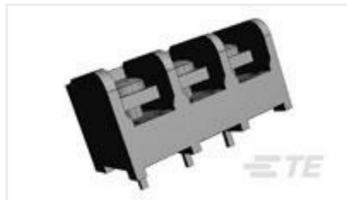
## Customers Also Bought



TE Part #1064530-1  
9960 1200 24



TE Part #1410968-3  
MULTIGIG RT2 7RW RTM DC DF CT



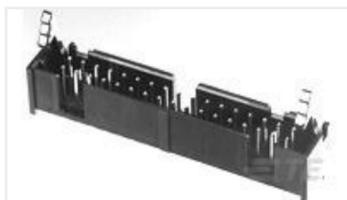
TE Part #5-1437652-4  
6PCV-03-006=6PCV ASSEMBLY



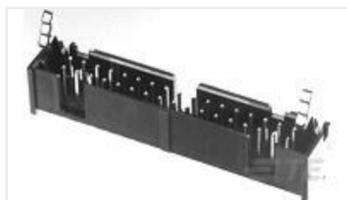
TE Part #3-1676914-4  
YR1 0.1% 45K3



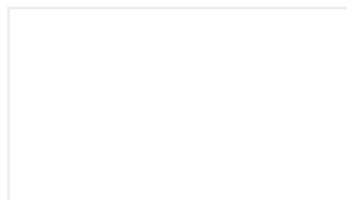
TE Part #6-1676915-3  
YR1 0.1% 11K5



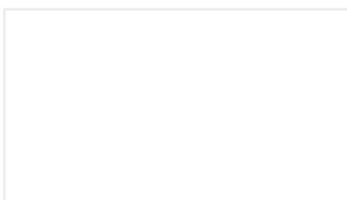
TE Part #3-1761608-5  
IDC LOW PRO HDR 50P VERT SHT L



TE Part #3-1761608-7  
IDC LOW PRO HDR 64P VERT SHT L



TE Part #1466010-1  
096-0002-0015=A.HD,J,S,L,F,#2



TE Part #1875041-1  
MCDG3-B-9P8L5-0.15



TE Part #103166-2  
08 MODII HDR DRRA SHRD .100CL

## Documents



**CAD Files**

Customer View Model

[ENG\\_CVM\\_CVM\\_5173279-3\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5173279-3\\_O.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5173279-3\\_O.2d\\_dxf.zip](#)

English

**3D PDF**

3D

**3D PDF**

English

Customer View Model

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English

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**Product Specifications**

Product Specification

English

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**Agency Approvals**

UL

English