

#### AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 787171-2

Receptacle, Cable-to-Board, 26 Position, 1.27 mm [.05 in]

Centerline, 2 Row, Standard Profile, AMPLIMITE 0.50 Series, PCB D-

Sub Connectors

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Right Angle, 1.27mm



Connector & Housing Type: Receptacle

Connector System: Cable-to-Board

Number of Positions: 26

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

Number of Rows: 2

All D-Sub Receptacle Assembly: Right Angle, 1.27mm (74)

#### **Features**

#### **Product Type Features**

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

### **Configuration Features**

Number of Positions	26
Number of Rows	2
PCB Mount Orientation	Right Angle

#### **Body Features**

Assembly Process Feature Material	Copper Alloy
Shell Plating Finish	Bright
Shell Plating Material	Nickel over Copper
Primary Product Color	Black
Connector Profile	Standard

#### **Contact Features**

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Contact Options	Installed
	30 μin



Contact Mating Area Plating Material	Gold or Gold Flash
Contact Underplating Material	Palladium Nickel
PCB Contact Termination Area Plating Material	Tin-Lead over Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

#### **Termination Features**

Rectangular Termination Post & Tail Thickness	.3 mm[.011 in]
Rectangular Termination Post & Tail Width	.41 mm[.016 in]
Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to PCB	Through Hole - Press-Fit, Through Hole - Solder

#### Mechanical Attachment

Assembly Process Feature Plating Material	Tin-Lead over Nickel
Mounting Feature Plating Material	Nickel over Copper
Mounting Feature Material	Zinc
	.109 in
Mating Alignment Type	Rails
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

## **Housing Features**

Shell Material	Carbon Steel
Housing Material	Thermoplastic
Centerline (Pitch)	1.27 mm[.05 in]

#### Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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	
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	14
Packaging Method	Tube

#### **Product Compliance**

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

#### Product Compliance Disclaimer

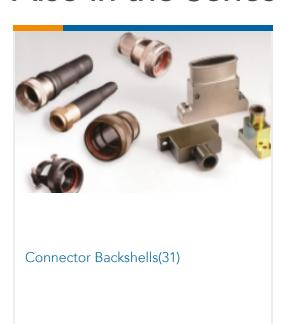
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

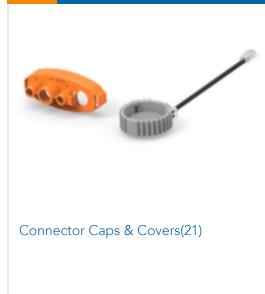


# Compatible Parts



# Also in the Series | AMPLIMITE 0.50 Series







Connector Hardware(7)







# Customers Also Bought





















### **Documents**

#### **Product Drawings**

26 50SR R/A RCPT ASSY, REDESIGN

English

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_787171-2\_V.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_787171-2\_V.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_787171-2\_V.3d\_stp.zip

English

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

### **Product Specifications**

**Application Specification** 

English

#### **Agency Approvals**

UL

English