

787170-7

✓ ACTIVE

## AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 787170-7

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 68 Position, 1.27 mm [.05 in] Centerline, 2 Row, Standard Profile, AMPLIMITE 0.50 Series

[View on TE.com >](#)

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: **68**

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	68
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

	30 µin
Contact Mating Area Plating Material	Gold or Gold Flash
Contact Underplating Material	Palladium Nickel
PCB Contact Termination Area Plating Material	Tin-Lead, 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 Printed Circuit Board	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	Without
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	Without
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]
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### 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	8
Packaging Method	Tube

### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://TE.com)>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Pb (13% in Component part) <small>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.</small>
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not lead free process capable

#### Product Compliance Disclaimer

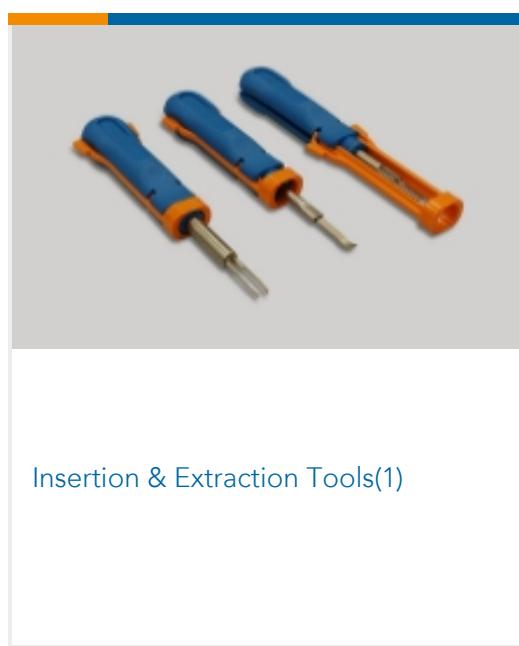
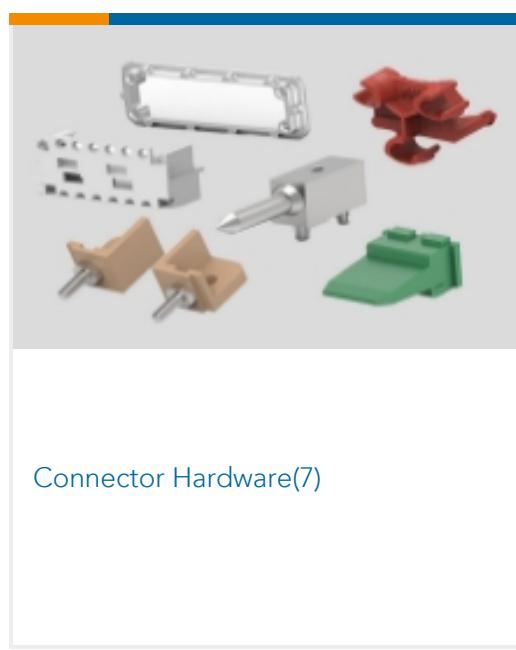
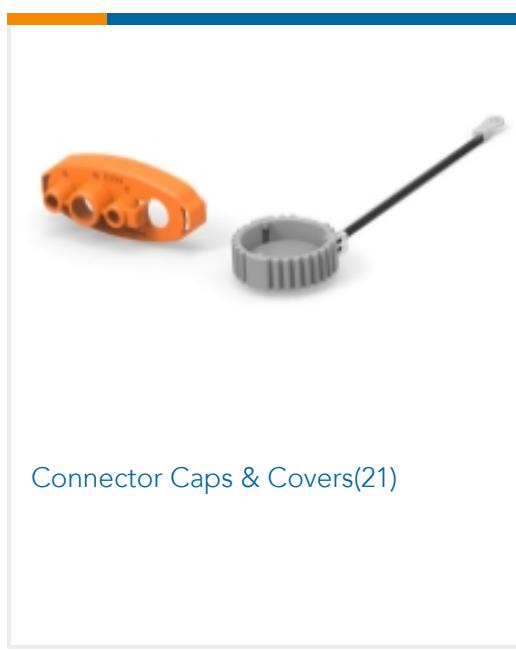
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

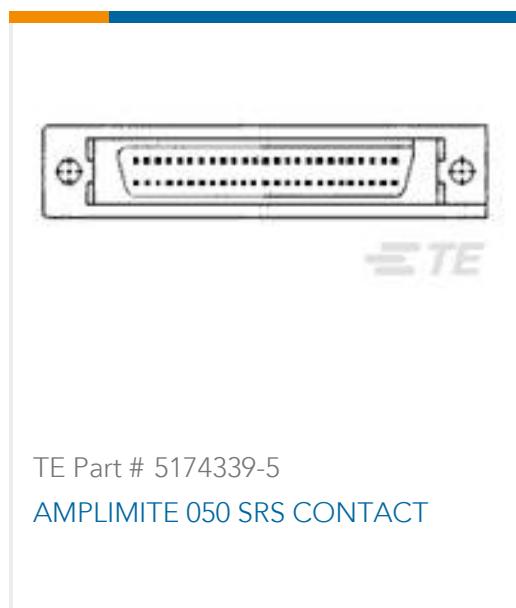
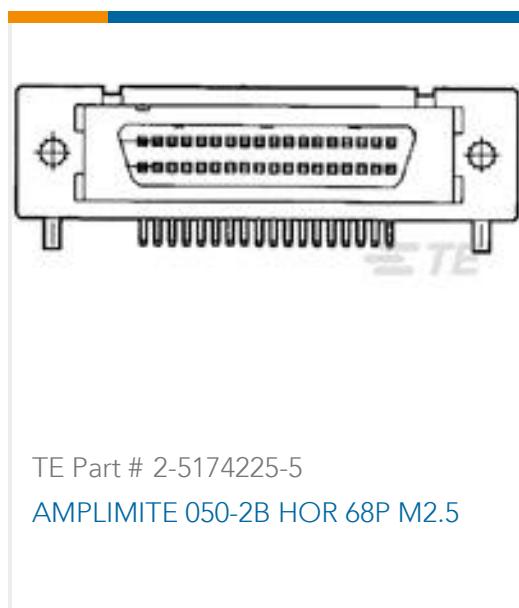


## Also in the Series

### AMPLIMITE 0.50 Series



## Customers Also Bought



TE Part # 6-104069-8  
68 sys 50 hdr drra shrd snTE Part # 5749231-1  
Mini DIN, 6 pos, R/A, ShieldTE Part # 5-103961-3  
5X4 MTE RCPT SR LATHC .100CLTE Part # ADP-SMAF-MCXM  
SMA Jack to MCX PlugTE Part # 6-331693-2  
BNC BHD JACK PTFE

## Documents

### Product Drawings

#### 68 50SR R/A RCPT ASSY,REDESIGN

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_787170-7\\_R.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_787170-7\\_R.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_787170-7\\_R.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Product Specifications

#### Application Specification

English

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### Agency Approvals

#### UL

English