

787170-7 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 787170-7

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

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



Number of Positions: **68**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

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

[All D-Sub Receptacle Assembly: Right Angle, 1.27mm \(73\)](#)

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
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Connector Profile	Standard
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Contact Features

	30 μ m
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Contact Underplating Material	Palladium Nickel
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Contact Mating Area Plating Material	Gold or Gold Flash
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Tin-Lead, Tin-Lead over Nickel
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Contact Current Rating (Max)	1 A
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Contact Options	Installed
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Termination Features

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

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

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

PCB Thickness (Recommended)	1.57 mm [.062 in]
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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	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Quantity	8
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	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUL 2021 (219) 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	Not lead free process capable

Product Compliance Disclaimer

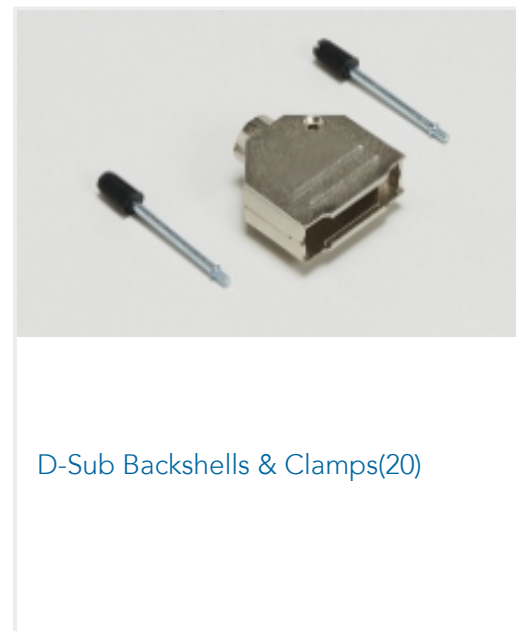
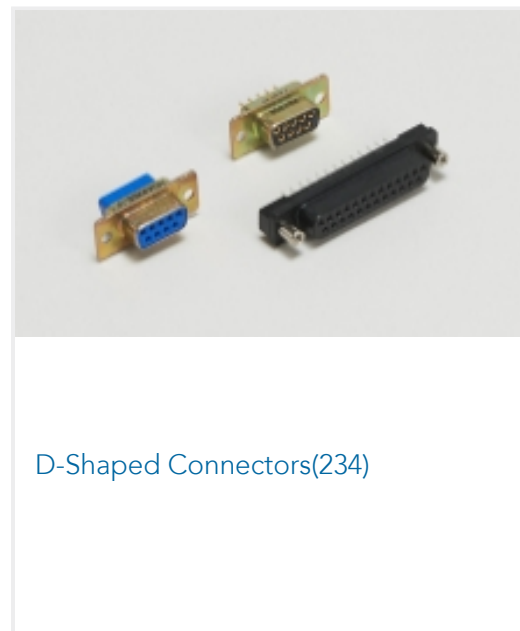
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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





Documents

Product Drawings

[68 50SR R/A RCPT ASSY, REDESIGN](#)

English

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.

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English