

5787942-9 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 5787942-9

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 100 Position, .05 in [1.27 mm] Centerline, 2 Row, Standard Profile, AMPLIMITE 0.50 Series

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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: **100**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Right Angle, 1.27mm \(76\)](#)

## Features

### Product Type Features

Grounding Indents	With
Shell Type	Full Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Shielded	Yes
Connector Type	Connector Assembly
Product Type	Connector

### Configuration Features

Number of Positions	100
Number of Rows	2
PCB Mount Orientation	Right Angle

### Body Features

Bracket Material	Zinc
Bracket Plating Material	Nickel over Copper
Post Plating Material	Tin over Nickel



Connector Profile	Standard
Shell Material	Carbon Steel
Shell Plating Material	Nickel over Copper
	.012 in

### Contact Features

Contact Mating Area Plating Material	Gold, Gold Flash
Contact Underplating Material	Palladium Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A
	30 $\mu$ m

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.66 mm[.144 in]

### Mechanical Attachment

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
Mating Alignment	Without
	.125 in

### Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Thermoplastic
Housing Color	Black

### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
	.093 in

### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application



Circuit Application	Signal
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### Industry Standards

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Method	Tube
Packaging Quantity	8

### 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

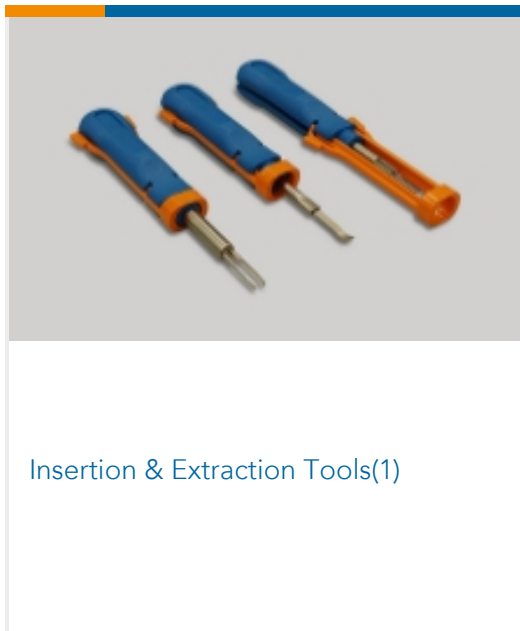
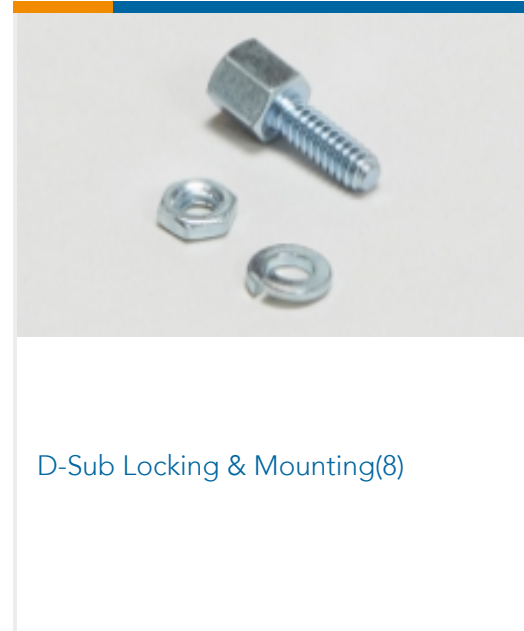
#### Product Compliance Disclaimer

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



### Customers Also Bought





## Documents

### Product Drawings

[100 50SR R/A RCP ASSY,RDSN L/F](#)

English

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### CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_5787942-9\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5787942-9\\_B.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5787942-9\\_B.2d\\_dxf.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[TE Material Declaration](#)

English

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### Agency Approvals

[UL](#)

English