

787170-7

✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 787170-7

Receptacle, Cable-to-Board, 68 Position, 1.27 mm [.05 in]

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

[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

Contact Options	Installed
	30 μ in
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 PCB	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]
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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 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 Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006 Current ECHA Candidate List: JUNE 2024 (241)

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 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

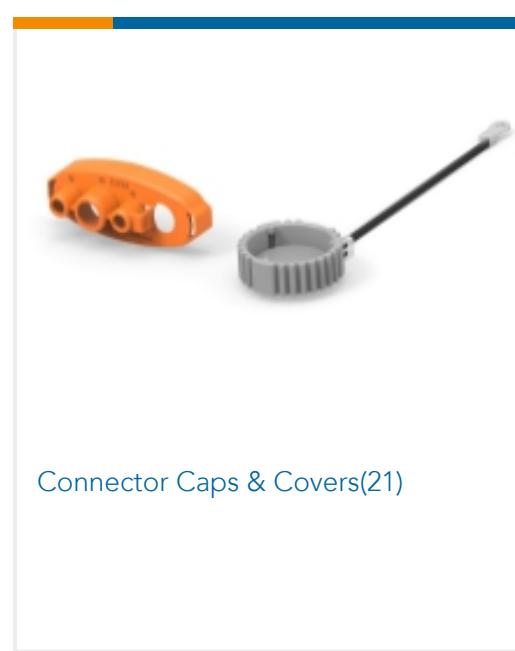


TE Part # 5749621-7
68 50S CABLE PLUG CONN/COV KIT

Also in the Series | AMPLIMITE 0.50 Series



Connector Backshells(31)



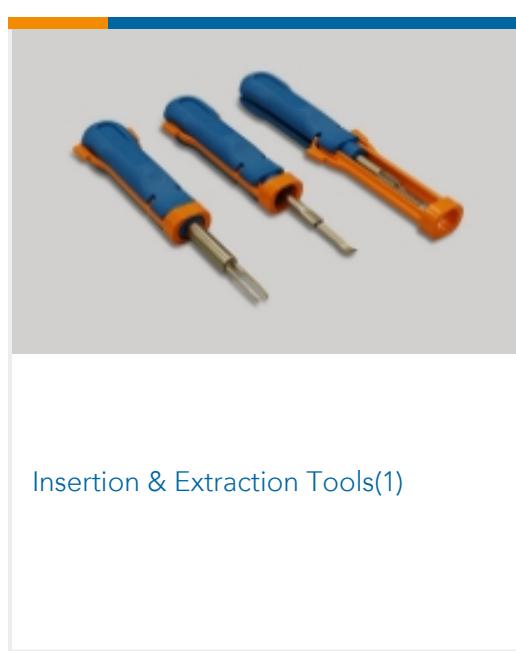
Connector Caps & Covers(21)



Connector Hardware(7)



IDC D-Sub Connectors(64)

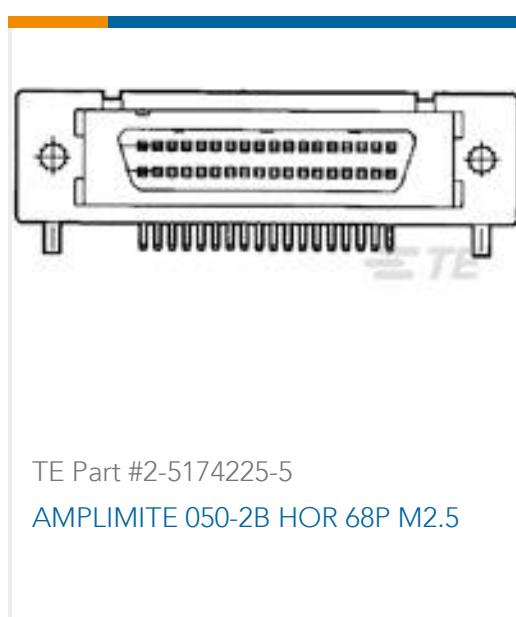


Insertion & Extraction Tools(1)



PCB D-Sub Connectors(172)

Customers Also Bought



TE Part #2-5174225-5
AMPLIMITE 050-2B HOR 68P M2.5



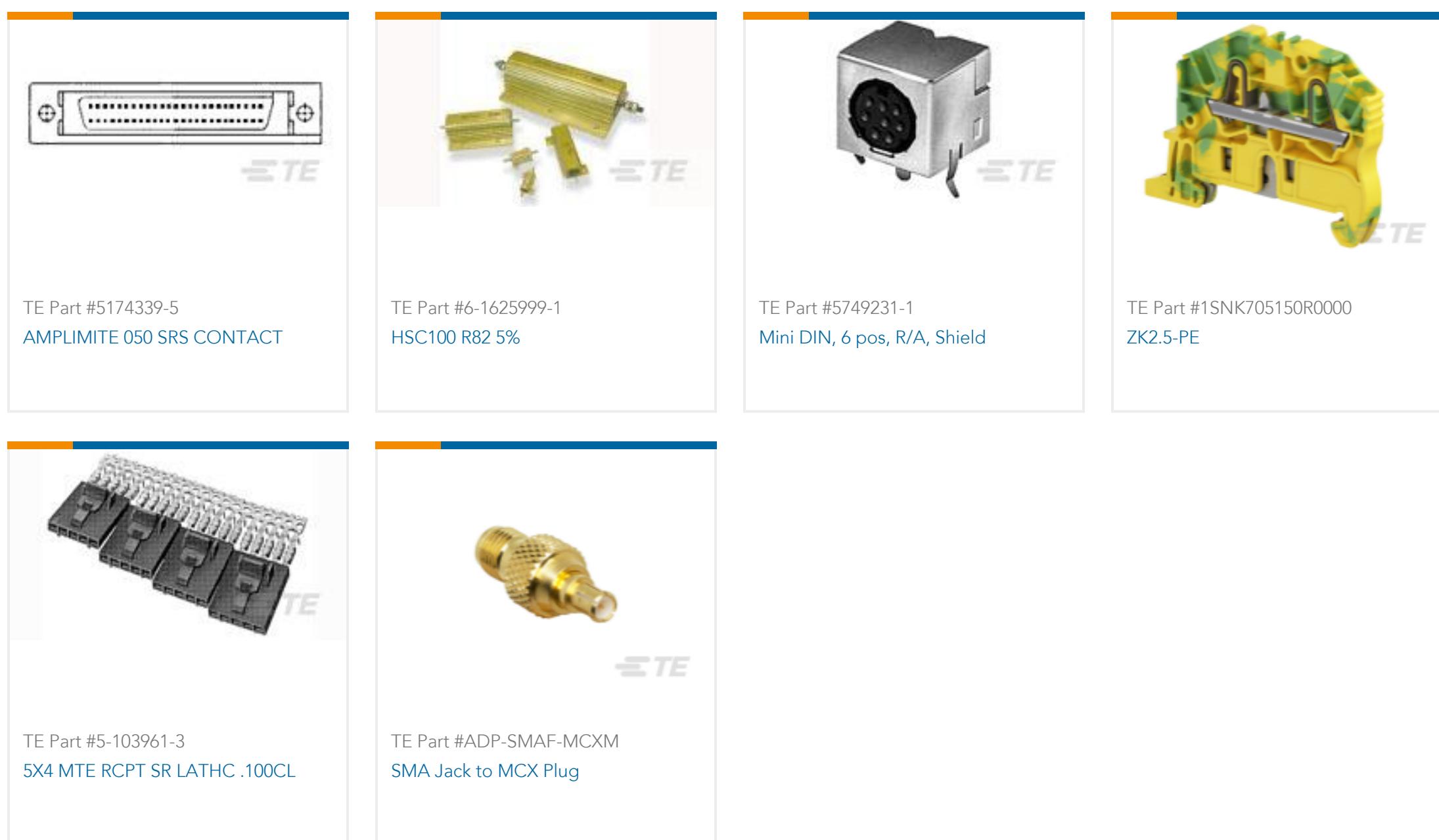
TE Part #5227726-2
ISOLATED BNC SOLDER JACK ASSY



TE Part #5787170-7
68 50SR R/A RCPT ASSY,RDSN L/F



TE Part #1-1462037-8
IM03TS=IM RELAY 140mW 5V



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

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Product Specifications

Application Specification

English

Agency Approvals

UL

English