

5749699-7 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

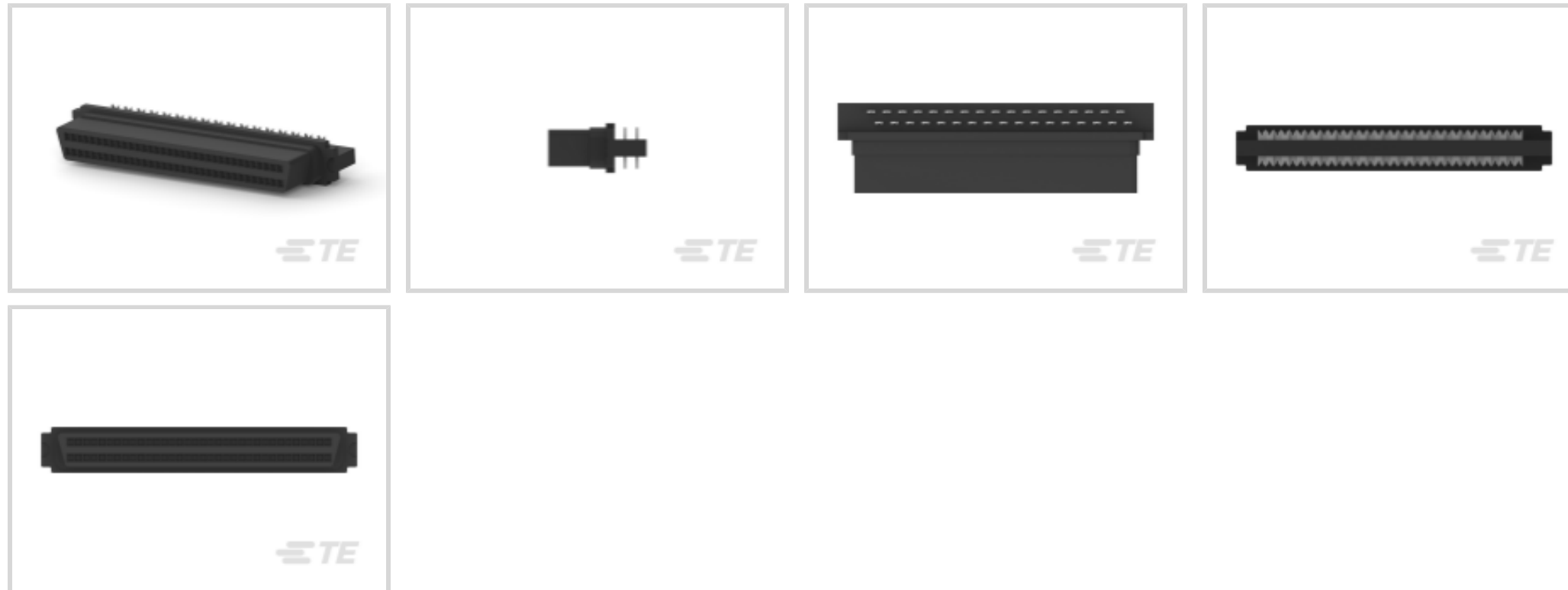
TE Internal #: 5749699-7

IDC D-Sub Connectors, Receptacle, 30 – 28 AWG Solid Wire Size, .05 – .1 mm² Solid Wire Size, Shielded, Cable-to-Cable, AMPLIMITE 0.50 Series

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Receptacle Kit, Cable to Cable, Signal, 1.27 mm



Connector & Housing Type: **Receptacle**

Solid Wire Size: **30 – 28 AWG**

Shielded: **Yes**

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

[All IDC D-Sub: Receptacle Kit, Cable to Cable, Signal, 1.27 mm \(4\)](#)

Features

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	68
Number of Rows	2
Compatible With Wire & Cable Type	Round Jacketed Cable

Body Features

	.025 in
Cover Material	Thermoplastic
Shell Plating Material	Nickel over Copper
Primary Product Color	Black



Contact Features

Contact Options	Installed
Wire Contact Termination Area Plating Material	Tin
	30 µin
Contact Mating Area Plating Material	Gold or Gold Flash
Contact Underplating Material	Palladium Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Termination Cover Method	Unassembled
Termination Cover	Without
Termination Cover Type	Non Lacing
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Compatible Insulation Diameter (Max)	.91 mm
Compatible Insulation Diameter Range	.74 – .89 mm[.029 – .036 in]
Solid Wire Size	30 – 28 AWG
Wire Size	.05 – .09 mm ²

Usage Conditions

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

Circuit Application	Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	360
Packaging Method	Kit

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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

 <p>TE Part # CAT-020-ADRV127 AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm</p>	 <p>TE Part # CAT-020-DRAVAP127 D-Sub Receptacle Assembly: Vertical, Action Pin, 1.27mm</p>	 <p>TE Part # 2-5174339-5 AMPLIMITE CAP HEADER</p>	 <p>TE Part # CAT-018-DRARA127 D-Sub Receptacle Assembly: Right Angle, 1.27mm</p>
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TE Part # CAT-AM7-436507
IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm



TE Part # 5786152-3
68 50SR BKSHL KIT W/JS,UNPNTD,




TE Part # 5749195-2
68 50SR KIT,ST,UK



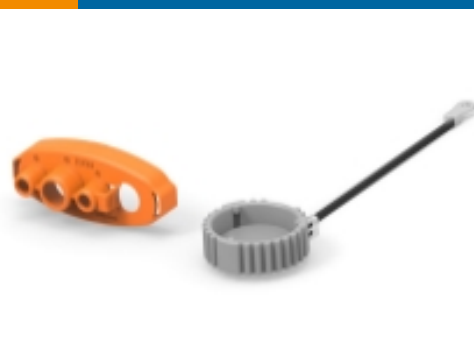
TE Part # 1-749621-6
68 50S CABLE PLUG CONN/COV KIT

TE Part # 853240-1
STD PLUG & RECPT HOLDER ASSY

Also in the Series | **AMPLIMITE 0.50 Series**



Connector Backshells(31)



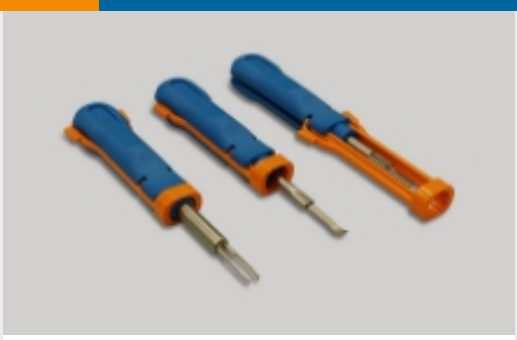
Connector Caps & Covers(21)



Connector Hardware(7)



IDC D-Sub Connectors(64)



Insertion & Extraction Tools(1)



PCB D-Sub Connectors(172)

Customers Also Bought



TE Part #1-2823445-7
M12 D-M-4 CRIMP, CAT 7, RADOX 8.2 MM, H&S



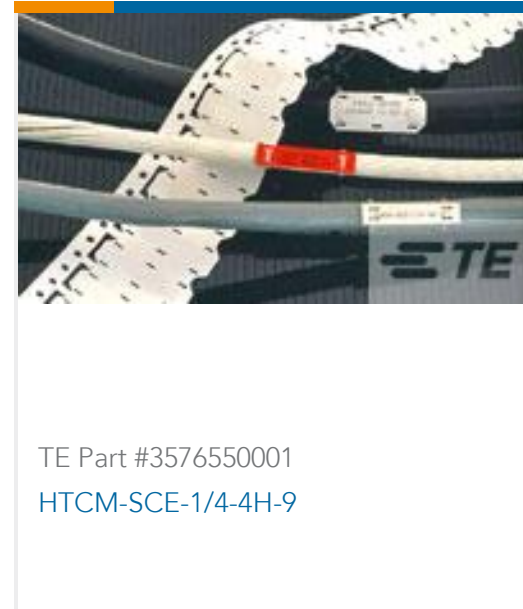
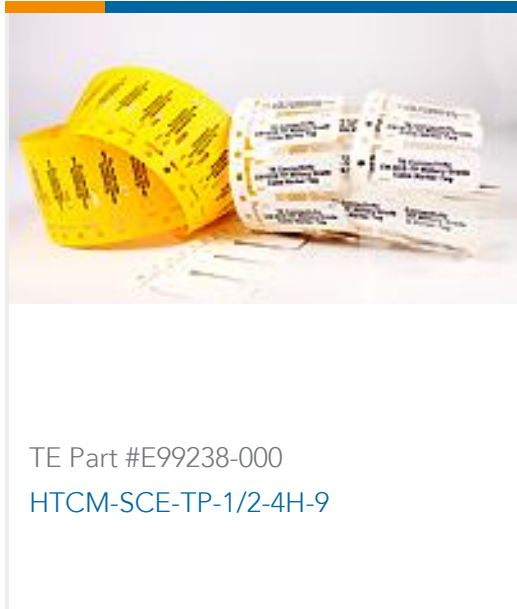
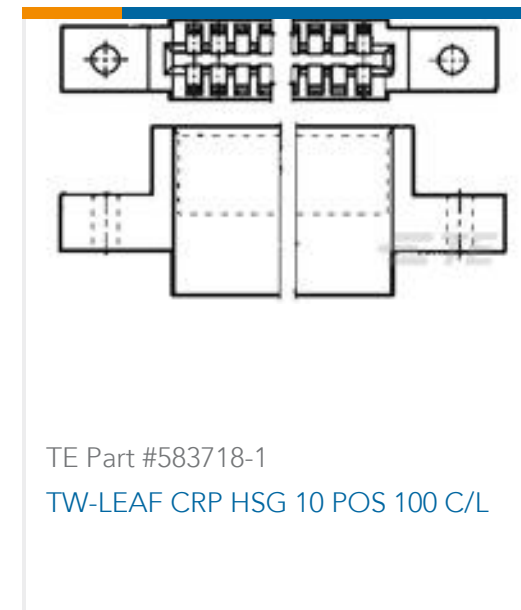
TE Part #3-1415073-1
RT4S4T30



TE Part #5749081-1
100 50SR BSHLL KIT,M J-SCR



TE Part #5750752-2
68 50SR BKSHLL KIT W/BOOT BULK



Documents

Product Drawings

68 50SR CABLE RCPT KIT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5749699-7_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5749699-7_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5749699-7_O.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - .050 Series Connector

English

AMPLIMITE .050 Series D-sub Connectors QRG

English

Product Specifications

Application Specification

English



Instruction Sheets

Customer Manual (U.S.)

English

Agency Approvals

UL

English