1-749656-2

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 1-749656-2

TE Internal Description: 68 50SR PANEL MOUNT RCPT

IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm

View on TE.com >

Connectors > D-Shaped Connectors > IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm







Number of Positions: **68**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Panel Mount**

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

All IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm (11)

Features

Product Type Features

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

Configuration Features

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

Body Features

Cover Material	Thermoplastic
Shell Plating Material	Nickel over Copper
Ribbon Cable Centerline Spacing	.64 mm[.025 in]
Primary Product Color	Black

Contact Features

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

Termination Features

Termination Cover Method	Assembled
Termination Cover Type	Non Lacing
Termination Cover	With
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Retention Type	Latch Blocks
Thread Size	2-56
Mounting Feature Plating Material	Nickel over Copper
Mounting Feature Material	Zinc
Mating Retention	With
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

Shielded	No

Circuit Application	Signal

Industry Standards

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	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 2025 (250) Candidate List Declared Against: JAN 2023 (233) 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



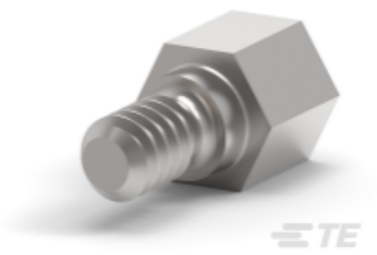
TE Part # 5749210-7
68 50SR CABLE RCPT ASSY



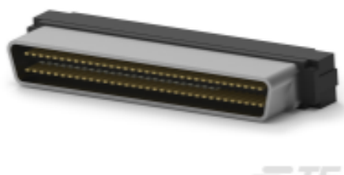
TE Part # 749087-1
50SR SCREWLOCK KIT,FEMALE



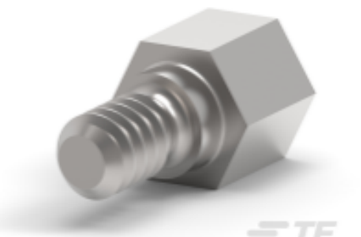
TE Part # 786585-2
50SR SCREWLOCK KIT,FEMALE



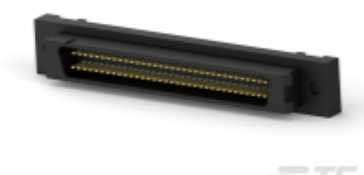
TE Part # 749087-3
50SR SCREWLOCK KIT,FEMALE



TE Part # CAT-AM7-22507
IDC D-Sub: Connector Kit, Plug, Signal, 1.27 mm



TE Part # 749087-2
50SR SCREWLOCK KIT,FEMALE



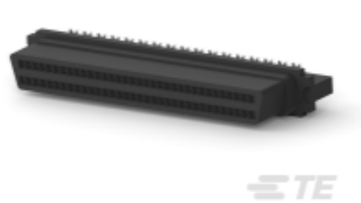
TE Part # 2-5174339-5
AMPLIMITE CAP HEADER



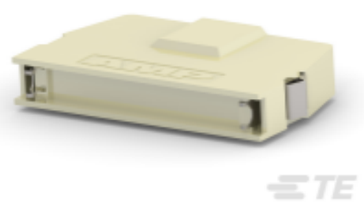
TE Part # 5786152-3
68 50SR BKSHL KIT W/JS,UNPNTD,



TE Part # 786585-3
50SR SCREWLOCK KIT,BULK,FEMAL



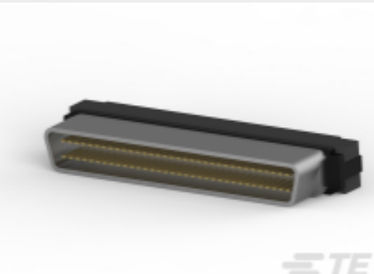
TE Part # 5749699-7
68 50SR CABLE RCPT KIT



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



TE Part # 749087-4
50SR SCREWLOCK KIT,FEMALE



TE Part # 5749111-6
68 50SR CABLE PLUG ASSY



TE Part # 5749210-5
50 50SR CABLE RCPT ASSY

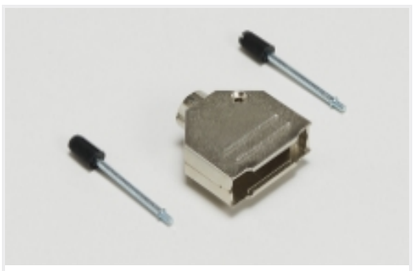
Also in the Series | AMPLIMITE 0.50 Series



Connector Backshells(20)



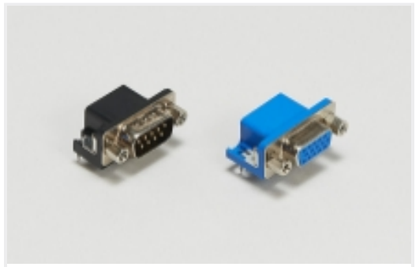
Connector Caps & Covers(20)



D-Sub Backshells & Clamps(20)



Insertion & Extraction Tools(1)



PCB D-Sub Connectors(171)

Customers Also Bought



TE Part #5-160446-2
FF 250 REC 1.0-2.5MM2 TPPB



TE Part #CAT-AM7801-CH8172
AMPSEAL 16 Housings



TE Part #925370-7
MOD IV REC.HSG.2X7P



TE Part #1-2366515-4
DYNAMIC D1000 SLIM REC HSG 4P X KEY



TE Part #1-2366600-4
DYNAMIC D1000 SLIM TAB HSG 4P X KEY



TE Part #2367817-2
DYNAMIC D1000 SL REC CONT M SIZE Au0.2



TE Part #2367820-2
DYNAMIC D1000SL TAB CONT M SIZE AU0.2 LP

Documents

Product Drawings

68 50SR PANEL MOUNT RCPT

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-749656-2_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-749656-2_N.3d_igs.zip

English

Customer View Model

ENG_CVM_1-749656-2_N.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-749656-2_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-749656-2_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-749656-2_L.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - .050 Series Connector

English

AMPLIMITE .050 Series D-sub Connectors QRG

English

Product Specifications

Application Specification

English

Agency Approvals

UL

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