

50 50SR CABLE PLUG ASSY ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

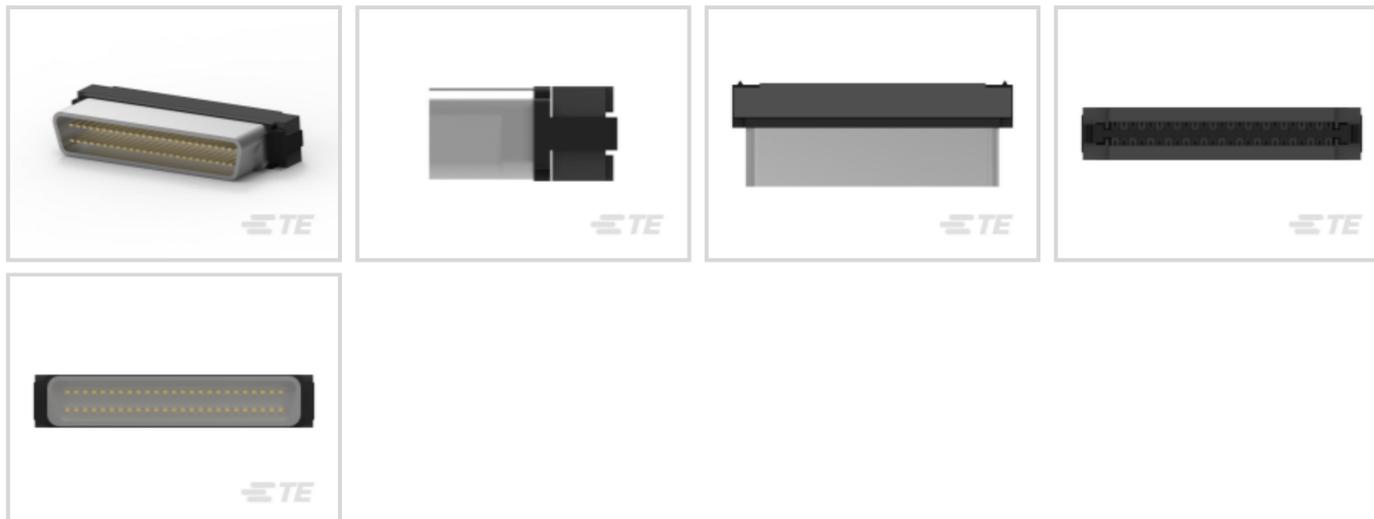
TE Part # 5749111-4

TE Internal #: 5749111-4

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors



Connector Style: **Plug**

Solid Wire Size: **.05 – .1 mm²**

Shielded: **Yes**

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

Features

Product Type Features

Rails	With
Product Type	Connector
Connector Style	Plug
Shielded	Yes
Connector System	Cable-to-Board, Cable-to-Cable
Wire/Cable Type	Round Jacketed Cable
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	50
Number of Rows	2
Preloaded	Yes

Body Features

Color	Black
	.025 in
Cover Material	Thermoplastic

Plug Shell Plating Material	Tin-Nickel Alloy
-----------------------------	------------------

Plug Shell Material	Steel
---------------------	-------

Shell Material	Steel
----------------	-------

Shell Plating Material	Tin over Copper
------------------------	-----------------

Contact Features

Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
--------------------------------------	--

Contact Type	Pin
--------------	-----

	30 μ m
--	------------

Contact Underplating Material	Nickel
-------------------------------	--------

PCB Contact Termination Area Plating Material	Tin
---	-----

Contact Base Material	Phosphor Bronze
-----------------------	-----------------

Contact Current Rating (Max)	1 A
------------------------------	-----

Termination Features

Termination Cover Type	Standard
------------------------	----------

Termination Cover Method	Assembled
--------------------------	-----------

Termination Cover	Without
-------------------	---------

Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)
------------------------------------	-------------------------------------

Mechanical Attachment

Mounting Angle	None
----------------	------

Mating Connector Lock	Without
-----------------------	---------

Panel Mount Feature	Without
---------------------	---------

PCB Mount Retention Type	None
--------------------------	------

Detent	With
--------	------

Connector Mounting Type	Cable Mount (Free-Hanging)
-------------------------	----------------------------

Housing Features

Housing Material	Thermoplastic
------------------	---------------

Housing Color	Black
---------------	-------

Centerline (Pitch)	1.27 mm[.05 in]
--------------------	-----------------

Dimensions

Insulation Diameter (Max)	.91 mm
---------------------------	--------

Accepts Wire Insulation Diameter Range	.74 – .91 mm[.029 – .036 in]
--	------------------------------

Solid Wire Size	.05 – .1 mm ²
-----------------	--------------------------

Wire Size	.05 – .09 mm ²
-----------	---------------------------

Usage Conditions

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

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Cover Flammability Rating	UL 94V-0
---------------------------	----------

Packaging Features

Packaging Method	Tube
------------------	------

Packaging Quantity	13
--------------------	----

Other

Comment	Plug connector requires backshell kit for complete assembly
---------	---

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	欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月 (197) SvHCs候选清单的声明更新至: 2016年6月 (169)
--	---

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
-----------------	--

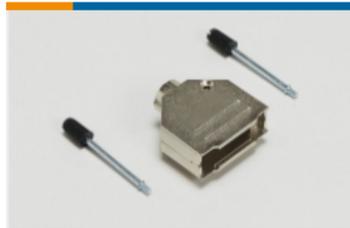
Solder Process Capability	Not applicable for solder process capability
---------------------------	--

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished

product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



D-Sub Backshells & Clamps
(4)



IDC D-Sub Connectors(6)



PCB D-Sub Connectors(15)

Also in the Series | AMPLIMITE 0.50 Series



D-Sub Backshells & Clamps
(32)



D-Sub Covers(20)



D-Sub Locking & Mounting
(9)



IDC D-Sub Connectors(78)

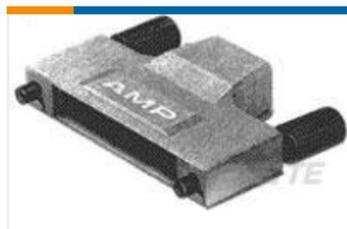


PCB D-Sub Connectors
(212)

Customers Also Bought



TE Part #207516-5
HDP-20,RCPT,SIZE 3, 25
POSN,CL



TE Part #5749080-1
50 50SR BSHLL KIT,M/J-
SCR



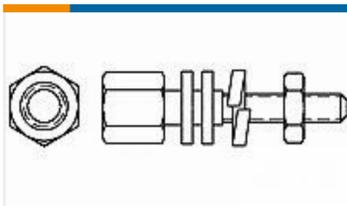
TE Part #5749193-2
50 50SR KIT,ST,UK



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

50 50SR CABLE PLUG ASSY

TE Part # 5749111-4
TE Internal #: 5749111-4



TE Part #5747223-3
AMPLI FEM S'LOCK KIT



TE Part #5749621-5
50 50S CABLE PLUG
CONN/COV KIT



TE Part #5749889-3
50 50SR KIT,ST,UK



TE Part #3-747579-4
SHLDNG FERRULE, PLTD,
BULK PKG



TE Part #5750913-5
50 50SR CABLE CONN KIT



TE Part #58430-1
TOOL, REPAIR

Documents

Product Drawings

50 50SR CABLE PLUG ASSY

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5749111-4_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5749111-4_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5749111-4_O.3d_stp.zip](#)

English

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - .050 Series Connector

English

Product Specifications

Application Specification

English

Instruction Sheets

Customer Manual (U.S.)

English

50 50SR CABLE PLUG ASSY

TE Part # 5749111-4
TE Internal #: 5749111-4

