

745454-2 ✓ ACTIVE

AMPLIMITE

TE Internal #: 745454-2

PCB D-Sub Connectors, Receptacle, Board-to-Board, 9 Position,
2.74 mm [.108 in] Centerline, 2 Row, Size 1, Low Profile, Vertical,
PCB Mount Retention

[View on TE.com >](#)



[Connectors >](#) [D-Shaped Connectors >](#) [D-Sub Connectors >](#) [PCB D-Sub Connectors >](#)

[D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 1, 2.74mm](#)



Connector & Housing Type: **Receptacle**

Connector System: **Board-to-Board**

Number of Positions: **9**

Centerline (Pitch): **2.74 mm [.108 in]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 1, 2.74mm \(10\)](#)

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Shell Type	All Plastic
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
D-Sub Shell Size	1
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

Configuration Features

Number of Positions	9
Number of Rows	2
PCB Mount Orientation	Vertical
Preloaded	Yes

Body Features

Plastic	Yes
---------	-----



Insert Material	Brass
-----------------	-------

Female Screwlock Material	Brass
---------------------------	-------

Female Screwlock Plating Material	Nickel
-----------------------------------	--------

Connector Profile	Low
-------------------	-----

Contact Features

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

Contact Underplating Material	Nickel, Palladium Nickel
-------------------------------	--------------------------

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

Contact Base Material	Copper Nickel Alloy
-----------------------	---------------------

	30 μin
--	--------

Termination Features

Grounding Clips	Without
-----------------	---------

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
---	--------------------------

Termination Post Length	5.8 mm[.228 in]
-------------------------	-----------------

Mechanical Attachment

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

PCB Mount Retention	With
---------------------	------

PCB Mount Retention Type	Action/Compliant Tail, Mounting Hole
--------------------------	--------------------------------------

Mating Retention	With
------------------	------

Mating Retention Type	Female Screwlocks, Fixed
-----------------------	--------------------------

Connector Mounting Type	Board Mount
-------------------------	-------------

Mounting Hole Diameter	3.05 mm[.12 in]
------------------------	-----------------

Housing Features

Centerline (Pitch)	2.74 mm[.108 in]
--------------------	------------------

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

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

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
--------------------	------------------

PCB Thickness (Recommended)	2.36 mm[.093 in]
-----------------------------	------------------

Usage Conditions

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

Operation/Application



Circuit Application

Signal

Industry Standards

Approved Standards

UL E81956

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Method

Tray

Packaging Quantity

130

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU

Not Compliant

EU ELV Directive 2000/53/EC

Compliant with Exemptions

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 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

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 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



Documents

Product Drawings

[09 RCPT ACT PIN/AP LOW SCRLK](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_745454-2_L.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_745454-2_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_745454-2_L.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English