

5205858-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDP

TE Internal #: 5205858-1

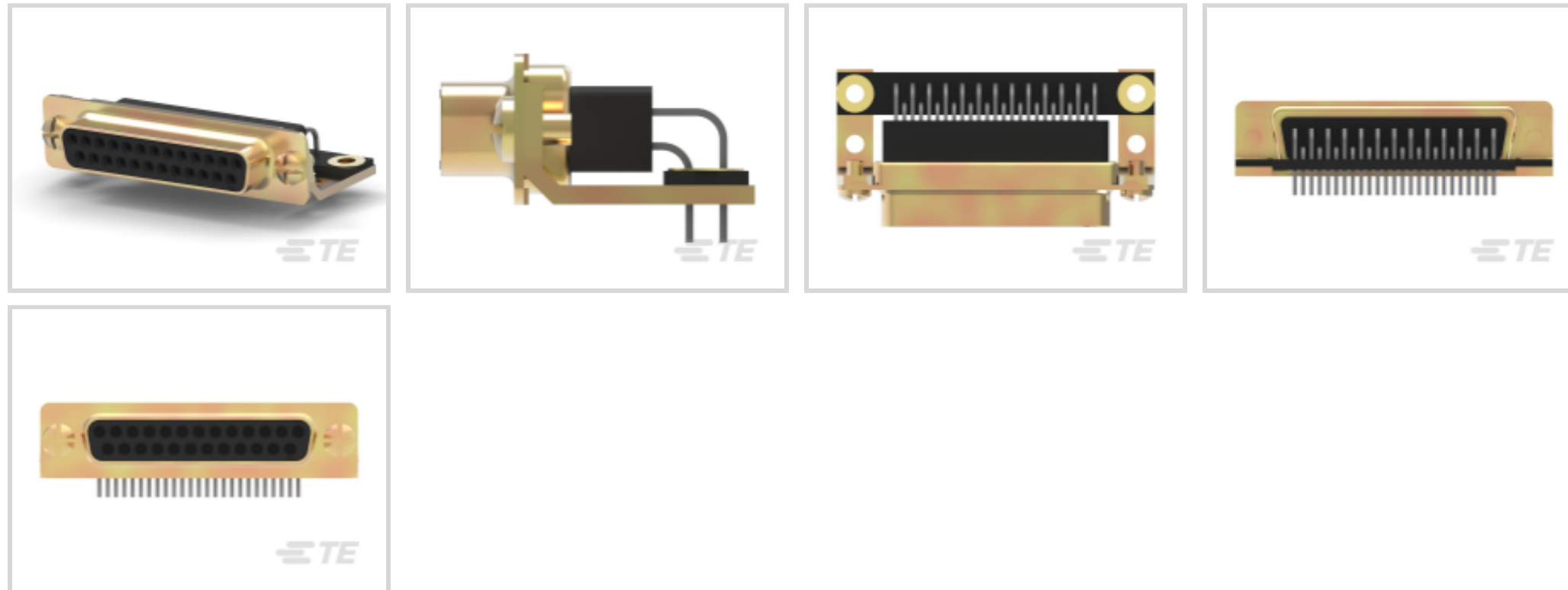
Receptacle, Board-to-Board, 25 Position, 2.74 mm [.108 in]

Centerline, 2 Row, 3 Shell Size, Square, AMPLIMITE HDP, 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, Shell Size 3, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **25**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm \(63\)](#)

Features

Industry Standards

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

Termination Features

Termination Method to PCB	Through Hole - Solder
---------------------------	-----------------------

Termination Post & Tail Length	3.18 mm [.125 in]
--------------------------------	-------------------

Square Termination Post & Tail Dimension	.63 mm [.025 in]
--	------------------

Packaging Features

Packaging Quantity	70
--------------------	----

Packaging Method	Package
------------------	---------

Mechanical Attachment

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

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

PCB Mount Retention Type	Mounting Hole
--------------------------	---------------



Mating Retention	Without
------------------	---------

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

Body Features

Shell Plating Material	Zinc
------------------------	------

Primary Product Color	Black
-----------------------	-------

Connector Profile	Standard
-------------------	----------

Contact Features

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

Contact Options	Installed
-----------------	-----------

Contact Mating Area Plating Material	Gold Flash
--------------------------------------	------------

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

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

Contact Shape & Form	Square
----------------------	--------

Contact Current Rating (Max)	6 A
------------------------------	-----

Dimensions

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

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

Housing Features

Housing Material	Glass-Filled PBT, Glass-Filled Nylon
------------------	--------------------------------------

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

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

Product Type Features

Shell Material Configuration	Front Metal Shell
------------------------------	-------------------

Connector & Housing Type	Receptacle
--------------------------	------------

Connector System	Board-to-Board
------------------	----------------

Connector Shell Size	3
----------------------	---

Connector & Contact Terminates To	Printed Circuit Board
-----------------------------------	-----------------------

Configuration Features

Number of Positions	25
---------------------	----

Number of Rows	2
----------------	---

PCB Mount Orientation	Right Angle
-----------------------	-------------

Usage Conditions



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

Operation/Application

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

Other

EU RoHS Compliance	Compliant
--------------------	-----------

EU ELV Compliance	Compliant
-------------------	-----------

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
--	---

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

Solder Process Capability	Wave solder capable to 265°C
---------------------------	------------------------------

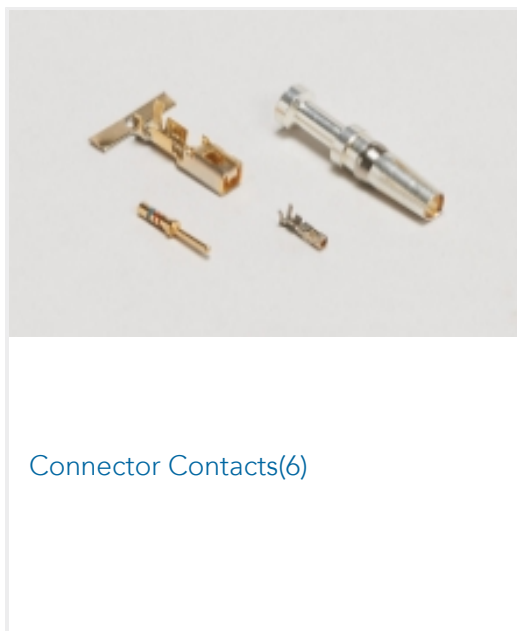
Product Compliance Disclaimer

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>

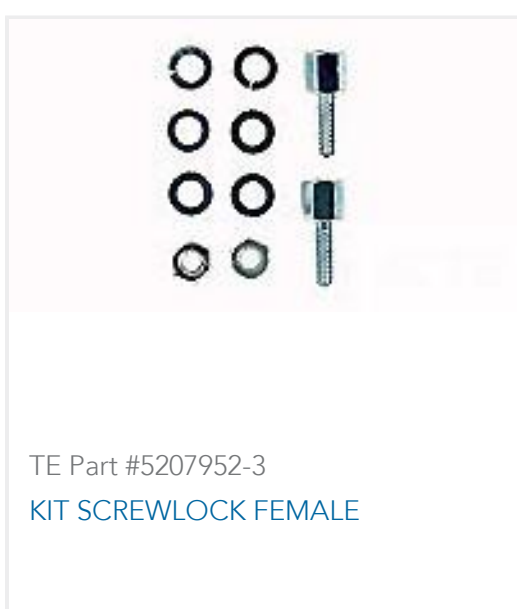
Compatible Parts



Also in the Series | **AMPLIMITE HDP**



Customers Also Bought





Documents

Product Drawings

25 RCPT RA/MS STD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5205858-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5205858-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5205858-1_A.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

Agency Approvals

UL Report

English