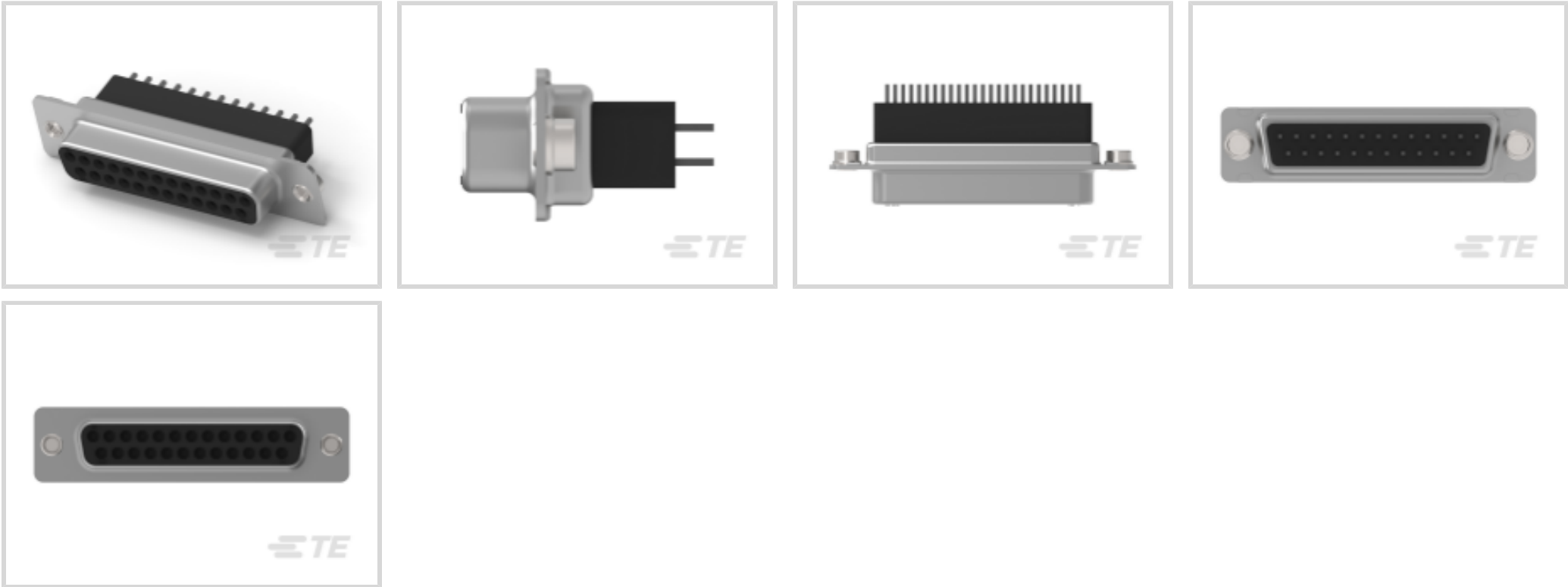




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm



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: Vertical, Shell Size 3, 2.77mm \(64\)](#)

Features

Product Type Features

Shell Material Configuration	Full 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	Vertical

Body Features

Insert Material	Thermoplastic
Shell Plating Material	Tin



Connector Profile	High
Contact Features	
Contact Options	Installed
	30 μin
Contact Mating Area Plating Material	Gold, Gold Flash
Contact Underplating Material	Palladium Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Shape & Form	Square
Contact Current Rating (Max)	6 A
Termination Features	
Square Termination Post & Tail Dimension	.63 mm[.025 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mounting Hole Diameter	3.05 mm[.12 in]
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Clinch Nut, 4-40 UNC
Connector Mounting Type	Board Mount
Housing Features	
Shell Material	Carbon Steel
Centerline (Pitch)	2.74 mm[.108 in]
Dimensions	
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
Row-to-Row Spacing	2.84 mm[.112 in]
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
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Packaging Features

Packaging Quantity	10
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 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



TE Part # CAT-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm

TE Part # CAT-AM7-248H4
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm

Also in the Series | AMPLIMITE HD-20

PCB D-Sub Connectors(353)

Customers Also Bought

TE Part #5227699-2
BNC PCB VERTICAL

TE Part #5747845-6
15 MSFL RCPT RA 318 (SL,FM,BL)

TE Part #1-776228-1
23POS,PIN DIA 1.3,HDR ASSY, 180DEG,COD 1

TE Part #776087-1
23POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 1

TE Part #1-770872-0
02P MINI UMNL HDR ASSY SN

TE Part #3-1462039-7
IM07DGR=IM RELAY 200mW 24V

TE Part #1761686-3
IDC LOW PRO HDR 10P VERT LG LAT

TE Part #5745189-1
37 RCPT SP/MS STD

TE Part #1969796-1
02P UMNL HDR ASSY R/A, PIN V0 GW

TE Part #14A1002-C3
TR-A1002C3-EPX-OTH-.095"-A-30-1-2"-0



Documents

Product Drawings

25 RCPT SP/MS CNUT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5745886-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5745886-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5745886-1_B.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 - Straight Posted Connectors

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English