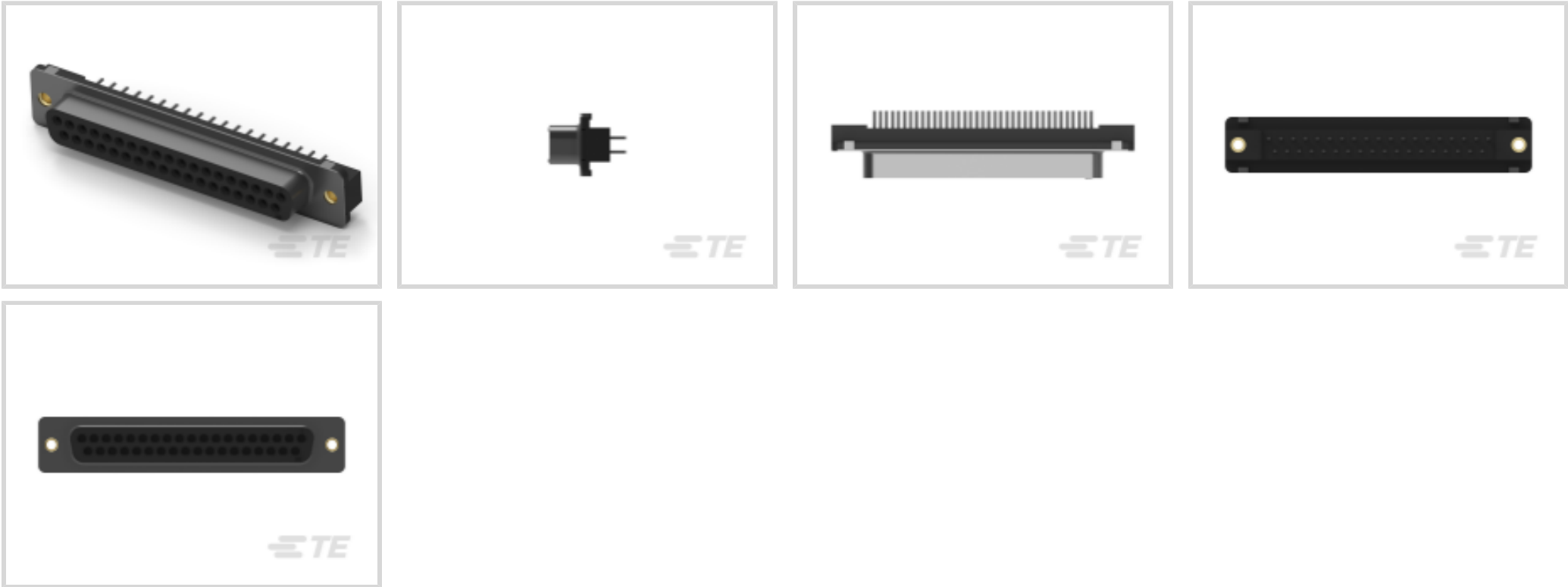




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 4, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **37**

Centerline (Pitch): **2.77 mm [ .109 in ]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Shell Size 4, 2.77mm \(32\)](#)

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Shell Type	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
D-Sub Shell Size	4
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

Configuration Features

Number of Positions	37
Number of Rows	2
PCB Mount Orientation	Vertical



Preloaded	Yes
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Body Features

Plastic	No
Connector Profile	Standard
Shell Material	Carbon Steel
Shell Plating Material	Tin
Post Size	.66 mm[.026 in]

Contact Features

Contact Mating Area Plating Material	Gold Flash
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Shape & Form	Round
Contact Current Rating (Max)	6 A

Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.18 mm[.125 in]

Mechanical Attachment

Threaded Insert Material	Brass
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Threaded Insert, 4-40 UNC
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm[.12 in]

Housing Features

Centerline (Pitch)	2.77 mm[.109 in]
Housing Material	Polyester
Housing Color	Black

Dimensions



Row-to-Row Spacing	2.84 mm[.112 in]
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube
Packaging Quantity	7

Other

Comment	All receptacles are preloaded with size 20 DF posted socket contacts
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Pb (3.7% in Component Part) <b>Article Safe Usage Statements:</b> 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	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 # 206509-1  
SIZE 20 KEYING PLUG

TE Part # 1-745498-7  
PLUG ASSY,37P,HDE,MS

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(354)

Customers Also Bought

TE Part #2-5747707-0  
15 RCPT SP/FMS BRDLK

TE Part #4-1462037-0  
IM01JR=IM RELAY 140 MW 3 V

TE Part #1-292250-0  
CT P/HDR BOX H ASSY 10P W/KINK

TE Part #1609133-1  
6ESRF-3=F6988

TE Part #5569564-1  
MJ ASSY,R/A,8 POS,LED GRN&YELW

TE Part #6-1614884-2  
CPF 0805 1K0 0.1% 25PPM 1K RL

TE Part #5-6609955-4  
PE0SSDBXA=C4868

TE Part #5747144-2  
50 RCPT ACT PIN/MS MED INSRT



TE Part #1-1393779-8  
[V23101D 7A201](#)



TE Part #8-1614884-4  
[CPF 0805 10K 0.1% 25PPM 1K RL](#)

Documents

Product Drawings

[37 RCPT SP/FMS INSRT](#)

English

CAD Files

Customer View Model

[ENG\\_CVM\\_5747301-7\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5747301-7\\_A.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5747301-7\\_A.2d\\_dxf.zip](#)

English

3D PDF

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

Product Environmental Compliance

[MD\\_5747301-7\\_04052018549\\_dmtec](#)

English

[MD\\_5747301-7\\_04052018549\\_dmtec](#)

English

Agency Approvals

[UL Report](#)

English