

5745922-2 ✓ ACTIVE

AMPLIMITE

TE Internal #: 5745922-2

PCB D-Sub Connectors, Receptacle, Board-to-Board, 25 Position, 2.77 mm [.109 in] Centerline, 2 Row, Size 3, Medium Profile, Vertical

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors >

D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 3, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **25**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 3, 2.77mm \(9\)](#)

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Grounded	No
Shell Type	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Shielded	No
Product Type	Connector

Configuration Features

Number of Positions	25
Number of Rows	2
PCB Mount Orientation	Vertical
Preloaded	Yes

Body Features



Plastic	No
Connector Profile	Medium
Shell Material	Carbon Steel
Shell Plating Material	Tin
	.012 in

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy

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	Without
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm [.12 in]

Housing Features

Centerline (Pitch)	2.77 mm [.109 in]
Housing Material	Nylon GF, Polyester GF
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]
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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	Tray
Packaging Quantity	78

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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

 <p>TE Part # CAT-AM7-H3 IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm</p>	 <p>TE Part # CAT-AM7-248H3 IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm</p>	 <p>TE Part # CAT-AM7-248H4 IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm</p>	 <p>TE Part # 206509-1 SIZE 20 KEYING PLUG</p>
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Documents

Product Drawings

25 RCPT ACT PIN/MS MED STD

English

CAD Files

Customer View Model

ENG_CVM_CVM_5745922-2_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5745922-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5745922-2_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

Product Environmental Compliance

MD_5745922-2_06012018512_dmtec

English

MD_5745922-2_06012018512_dmtec

English

Agency Approvals

UL Report

English