

5745355-4 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDP

TE Internal #: 5745355-4

PCB D-Sub Connectors, Plug, Board-to-Board, 50 Position, 2.77 mm [.109 in] Centerline, 3 Row, 5 Connector Shell Size, Square, AMPLIMITE HDP

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Plug Assembly: Right Angle, Shell Size 5, 2.74mm



Connector & Housing Type: **Plug**

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

Number of Positions: **50**

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

Number of Rows: **3**

[All D-Sub Plug Assembly: Right Angle, Shell Size 5, 2.74mm \(5\)](#)

Features

Product Type Features

Shell Material Configuration	Full Metal Shell
Ground Feature Type	Grounding Indents
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	5
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	50
Number of Rows	3
PCB Mount Orientation	Right Angle

Body Features

Insert Material	Thermoplastic
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	High

Contact Features

Contact Options	Installed
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	30 µin
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
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 Printed Circuit Board	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	Mounting Screws
Connector Mounting Type	Board Mount

Housing Features

Shell Material	Carbon Steel
Housing Material	Nylon GF, PBT GF
Centerline (Pitch)	2.77 mm[.109 in]

Dimensions

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

Usage Conditions

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

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	7
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

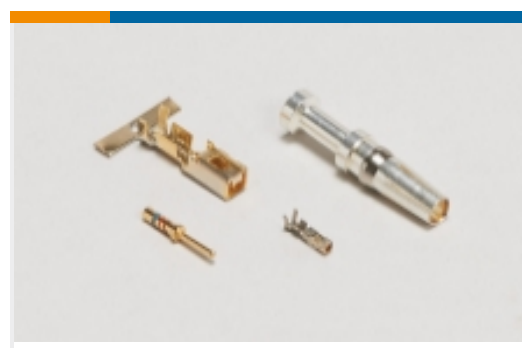
Product Compliance Disclaimer

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**



Connector Contacts(6)



PCB D-Sub Connectors(83)

Customers Also Bought

TE Part #5787266-5
50 50SR R/A RCPT ASSY, RDSN L/FTE Part #5745116-1
50 RCPT RA/MS STDTE Part #1676247-3
RN 0805 200R 0.1% 10PPM 5KRLTE Part #1-2176092-8
RP 2A 0.25W 1K0 0.1% 25PPM 1K RLTE Part #9-2176305-4
RP 1E 0.1W 1K0 0.1% 25PPM 5K RLTE Part #5747497-4
50 PLUG RA/MS STD (SL)TE Part #LL01-3AA01
LL01 1/4" NPT 15" CABLE 80C

Documents

Product Drawings

50 PLUG RA/MS STD

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_5745355-4_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5745355-4_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5745355-4_A.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 - Right-Angle Posted Connectors](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English