

TE Internal #: 205869-2
50 Position D-Shaped Connector, Plug, Board-to-Board, Board Mount, Shell Size 5, 2.77 mm [.109 in] Centerline, Printed Circuit Board, AMPLIMITE HDP

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



Number of Positions: 50
Connector & Housing Type: Plug
Connector System: Board-to-Board
Connector Mounting Type: Board Mount
Connector Shell Size: 5

[All D-Sub Plug Assembly: Right Angle, Shell Size 5, 2.74mm \(4\)](#)

Features

Product Type Features

Shell Material Configuration	Front Metal Shell
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

Shield Plating Material	Tin
Shield Material	Steel
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard

Contact Features

	30 µin
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Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Shape & Form	Square
Contact Current Rating (Max)	6 A
Contact Options	Installed

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]

Mechanical Attachment

Mounting Hole Diameter	3.05 mm[.12 in]
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	Without

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 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	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476



Packaging Features

Packaging Quantity	7
Packaging Method	Package

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) Article Safe Usage Statements: 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 # 205869-1
50 PLUG RA/MS STD

TE Part # 1658606-1
50 POS HDF RCPT, MS, LEAD FREE

Also in the Series | **AMPLIMITE HDP**

Connector Contacts(6)

D-Shaped Connectors(65)

PCB D-Sub Connectors(65)

Customers Also Bought

TE Part #2-1623795-9
SQP5 15R 5% WIRE

TE Part #2-1676913-6
YR1 0.1% 1K0

TE Part #2-1676913-7
YR1 0.1% 1M0

TE Part #4-1676914-1
YR1 0.1% 49K9

TE Part #9-1879026-0
YR1 0.1% 49R9

TE Part #7-1879617-5
H8 12K 1% 15PPM

TE Part #7-1879642-0
H8 4K1 0.1% 15PPM

TE Part #1879662-1
H8 10R 0.1% 15PPM

TE Part #7-1879688-3
H4 604R 0.1% 100PPM

TE Part #5747497-4
50 PLUG RA/MS STD (SL)



Documents

Product Drawings

50 PLUG RA/MS STD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_205869-2_AB.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_205869-2_AB.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_205869-2_AB.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English