

TE Internal #: 205859-1  
37 Position D-Shaped Connector, Plug, Board-to-Board, Board Mount, 4 Shell Size, 2.74 mm [.108 in] Centerline, Printed Circuit Board, AMPLIMITE HDP

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Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Right Angle, Shell Size 4, 2.74mm



Number of Positions: 37  
Connector & Housing Type: Plug  
Connector System: Board-to-Board  
Connector Mounting Type: Board Mount  
Connector Shell Size: 4

[All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 4, 2.74mm \(13\)](#)

Features

Product Type Features

Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	4
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Rows	2
Number of Positions	37

Body Features

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

Contact Features

Contact Underplating Material	Nickel
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Contact Shape & Form	Square
Contact Mating Area Plating Material	Gold Flash
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead
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

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

Housing Features

Housing Material	Thermoplastic
Shell Material	Steel
Centerline (Pitch)	2.74 mm[.108 in]

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

Shielded	Yes
Circuit Application	Signal

Industry Standards

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



Packaging Features

Packaging Quantity	56
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	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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) <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





Also in the Series

AMPLIMITE HDP

Connector Contacts(6)

D-Shaped Connectors(65)

PCB D-Sub Connectors(65)

Customers Also Bought

TE Part #66101-3  
III+ SKT,18-16,15AU/FL,LP

TE Part #1-66399-0  
III+ SKT,24-20,TIN ,LP

TE Part #5-747905-2  
9 Rcpt Solder Cup, Gold Flash,

TE Part #5745059-4  
HD-20 RCPT 37P VERT THD INS

TE Part #1658671-1  
HDP-22,PLUG,SIZE 2, 26 POSN

TE Part #206430-1  
RECPT, SZ 11-4, CPC

TE Part #1-66400-0  
III+ PIN,24-20,TIN,LP

TE Part #5745057-3  
HD-20 RCPT 15P VERT THD INS

TE Part #202236-2  
III+ PIN,SOLTAB,TIN-LEAD,LP

TE Part #35109  
TERMINAL,PIDG R 12-10 10

Documents

Product Drawings

37 PLUG RA/MS STD

English

CAD Files

3D PDF

English



Customer View Model

[ENG\\_CVM\\_205859-1\\_M.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_205859-1\\_M.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_205859-1\\_M.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English