

AMPLIMITE | AMPLIMITE HDP

TE Internal #: 205859-1

Plug, Board-to-Board, 37 Position, 2.74 mm [.108 in] Centerline, 2 Row, 4 Connector Shell Size, Square, AMPLIMITE HDP, PCB D-Sub

Connectors

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



Connector & Housing Type: Plug
Connector System: Board-to-Board

Number of Positions: 37

Centerline (Pitch): 2.74 mm [.108 in]

Number of Rows: 2

All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 4, 2.74mm (17)

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	
Number of Positions	37
Number of Rows	2
PCB Mount Orientation	Right Angle
Body Features	
Shield Plating Material	Tin
Shield Material	Steel
Shell Plating Material	Zinc
Primary Product Color	Black
Connector Profile	Standard

Contact Features



Contact Options	Installed
Contact Mating Area Plating Material	Gold Flash
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
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 PCB	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	Without
Connector Mounting Type	Board Mount
Housing Features	
Shell Material	Steel
Housing Material	Thermoplastic
Housing Material Centerline (Pitch)	Thermoplastic 2.74 mm[.108 in]
Centerline (Pitch)	
Centerline (Pitch) Dimensions	2.74 mm[.108 in]
Centerline (Pitch) Dimensions PCB Thickness (Recommended)	2.74 mm[.108 in] 2.36 mm[.093 in]
Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing	2.74 mm[.108 in] 2.36 mm[.093 in]
Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing Usage Conditions	2.74 mm[.108 in] 2.36 mm[.093 in] 2.84 mm[.112 in]
Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing Usage Conditions Operating Temperature Range	2.74 mm[.108 in] 2.36 mm[.093 in] 2.84 mm[.112 in]
Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application	2.74 mm[.108 in] 2.36 mm[.093 in] 2.84 mm[.112 in] -55 – 105 °C[-67 – 221 °F]
Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Shielded	2.74 mm[.108 in] 2.36 mm[.093 in] 2.84 mm[.112 in] -55 – 105 °C[-67 – 221 °F] Yes
Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Shielded Circuit Application	2.74 mm[.108 in] 2.36 mm[.093 in] 2.84 mm[.112 in] -55 – 105 °C[-67 – 221 °F] Yes



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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% in Component Part) 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

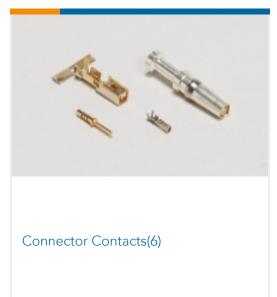
Compatible Parts







Also in the Series | AMPLIMITE HDP





Customers Also Bought























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