

AMPLIMITE | AMPLIMITE HDP

TE Internal #: 5745435-8

PCB D-Sub Connectors, Plug, Board-to-Board, 15 Position, 2.74 mm [.108 in] Centerline, 2 Row, 2 Connector Shell Size, Square,

AMPLIMITE HDP

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D-Sub Plug Assembly: Standard, Right Angle, Shell Size 2, 2.74mm



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

Number of Positions: 15

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

Number of Rows: 2

All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 2, 2.74mm (25)

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	2
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	

Number of Positions	15
Number of Rows	2
PCB Mount Orientation	Right Angle

Body Features

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

Contact Features



Contact Mating Area Plating Material Nickel, Pallactium Nickel Contact Termination Area Plating Material Nickel, Pallactium Nickel PCR Contact Termination Area Plating Material Tri Contact Base Material Bross Contact Shape & Form Square Contact Current Rating (Max) 6A 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 Intrough Hole Solder Mechanical Attachment Mounting Hole Diameter 3.05 mm(.12 in) PCB Mount Retention With Mating Retention With Mating Retention Type Mounting Hole Mating Retention Type Mounting Screws Connector Mounting Type Board Mount Housing Features Shell Material Steel Housing Material Thermoplastic Centerline (Fritch) 2.24 mm(.108 in) Dimensions PCB I Inickness (Recommendee) 2.36 mm(.093 in) Row-to-Row Spacing 2.88 mm(.093 in) Value Connector Mounting Rating Conditions Operating Lemperature Range 95 106 °C(67 221 °F) Operation/Application Shielded No Circuit Application Signal Industry Standards		20 uin
Contact Underplating Material Nickel, Palladium Nickel PCB Contact Termination Area Plating Material Tin Contact Base Material Brass Contact Shape & Form Square Contact Current Rating (Max) 6A Termination Features Square Termination Post & Tail Dimension 63 mmi(025 in) Termination Post & Tail Length 3.18 mmi(125 in) Termination Post & Tail Length 3.18 mmi(125 in) Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mounting Hole Diameter 3.05 mmi(12 in) PCB Mount Retention With PCB Mount Retention With Mating Retention With Mating Retention Type Mounting Board Mount Mating Retention Type Mounting Screws Connector Mounting Type Board Mount Housing Features Shell Material Sheel Housing Material Ihomoplastic Centerline (Pitch) 2.74 mmi(108 in) Dimensions PCB Thickness (Recommended) 2.36 mmi(193 in) Row-to-Row Spacing 2.84 mmi(112 in) Usage Conditions Operation/Application Shielded No Circuit Application Shielded No Circuit Application Industry Standards	Contact Mating Area Plating Material	30 µin Gold, Gold Flash over Palladium Nickel
PCR Contact Termination Area Plating Material Contact Base Material Contact Shape & Form Contact Current Rating (Max) Contact Shape & Form Contact Current Rating (Max) Contact Current Rating (Max) Contact Current Rating (Max) Fermination Features Square Termination Post & Tail Longth Contact Termination Post & Tail Longth Contact Current Rating (Max) Contact Cur		
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Square Termination Features Square Termination Post & Tail Dimension .63 mm[,025 in] Termination Post & Tail Length .318 mm[,125 in] Termination Method to Printed Circuit Board .1 through Hole - Solder Mechanical Attachment Mounting Hole Diameter .3.05 mm[,12 in] PCB Mount Retention .With Mounting Retention Iype .Mounting Hole Mating Retention .With Mating Retention Type .Mounting Screws Connector Mounting Iype .Board Mount Housing Features .Shell Material .5teel Housing Material .Thermoplastic Centerline (Pitch) .2.74 mm[,108 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] Operation/Application .Signal Industry Standards		
Square Termination Post & Tail Dimension 3.18 mml,025 in] Termination Post & Tail Length 3.18 mml,025 in] Termination Method to Printed Circuit Board 1 through Hole - Solder Mechanical Attachment Mounting Hole Diameter 3.05 mm[,12 in] PCB Mount Retention With With 90 Mounting Hole 90 Mounting Hole 90 Mounting Hole 90 Mounting Retention 1 With 90 Mounting Screws 90 Mounting Mounting Screws 90 Mounting Screws 90 Mounting Screws 90 Mounting Mounting Screws 90 Mounting Moun		O A
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Mechanical Attachment Mounting Hole Diameter 3.05 mm[.12 in] PCB Mount Retention With PCB Mount Retention Type Mounting Hole Mating Retention Type Mounting Screws Connector Mounting Type Board Mount Housing Features Shell Material Steel Housing Material Thermoplastic Centerline (Pitch) 2.74 mm[.108 in] Dimensions PCB Thickness (Recommended) 2.36 mm[.093 in] Row-to-Row Spacing 2.84 mm[.112 in] Usage Conditions Operation/Application Shielded No Circuit Application Industry Standards	Termination Post & Tail Length	3.18 mm[.125 in]
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PCB Mount Retention Type Mounting Retention Type Mating Retention Mating Retention Type Mounting Screws Connector Mounting Type Board Mount Housing Features Shell Material Housing Material Thermoplastic Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Industry Standards Industry Standards	Mechanical Attachment	
PCB Mount Retention Type Mating Retention Mating Retention Type Mounting Screws Connector Mounting Type Board Mount Housing Features Shell Material Housing Material Thermoplastic Centerline (Pitch) Centerline (Pitch) PCB Thickness (Recommended) Row to Row Spacing Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Industry Standards Industry Standards	Mounting Hole Diameter	3.05 mm[.12 in]
Mating Retention Mating Retention Type Mounting Screws Connector Mounting Type Board Mount Housing Features Shell Material Housing Material Thermoplastic Centerline (Pitch) Centerline (Pitch) Centerline (Pitch) Centerline (Pitch) Coperations PCB Thickness (Recommended) Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Industry Standards	PCB Mount Retention	With
Mating Retention Type Connector Mounting Type Housing Features Shell Material Housing Material Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing Operating Temperature Range Operating Temperature Range Operation/Application Shielded Circuit Application Industry Standards Mounting Screws Board Mount About 1 Board Mount Steel Thermoplastic 2.4el Thermoplastic 2.74 mm[.108 in] 2.74 mm[.108 in] 2.84 mm[.112 in] Signal	PCB Mount Retention Type	Mounting Hole
Connector Mounting Type Housing Features Shell Material Steel Housing Material Thermoplastic Centerline (Pitch) 2.74 mm[.108 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] Operation/Application Shielded No Circuit Application Signal	Mating Retention	With
Housing Features Shell Material Steel Housing Material Thermoplastic Centerline (Pitch) 2.74 mm[.108 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] Operation/Application Shielded No Circuit Application Signal	Mating Retention Type	Mounting Screws
Shell Material Housing Material Thermoplastic Centerline (Pitch) 2.74 mm[.108 in] Dimensions PCB Thickness (Recommended) Row-to-Row Spacing 2.84 mm[.112 in] Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Industry Standards	Connector Mounting Type	Board Mount
Housing Material Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Industry Standards Thermoplastic 2.74 mm[.108 in] 2.84 mm[.108 in] 2.36 mm[.093 in] 2.84 mm[.112 in] No Signal	Housing Features	
Centerline (Pitch) Dimensions PCB Thickness (Recommended) Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Industry Standards	Shell Material	Steel
Dimensions PCB Thickness (Recommended) Row-to-Row Spacing 2.84 mm[.093 in] 2.84 mm[.112 in] Usage Conditions Operating Temperature Range -55 – 105 °C[-67 – 221 °F] Operation/Application Shielded No Circuit Application Signal	Housing Material	Thermoplastic
PCB Thickness (Recommended) Row-to-Row Spacing 2.84 mm[.112 in] Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Signal	Centerline (Pitch)	2.74 mm[.108 in]
Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Industry Standards	Dimensions	
Usage Conditions Operating Temperature Range -55 – 105 °C[-67 – 221 °F] Operation/Application Shielded No Circuit Application Signal	PCB Thickness (Recommended)	2.36 mm[.093 in]
Operating Temperature Range Operation/Application Shielded No Circuit Application Signal Industry Standards	Row-to-Row Spacing	2.84 mm[.112 in]
Operation/Application Shielded No Circuit Application Signal Industry Standards	Usage Conditions	
Shielded No Circuit Application Signal Industry Standards	Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Circuit Application Signal Industry Standards	Operation/Application	
Industry Standards	Shielded	No
	Circuit Application	Signal
III Flammability Pating	Industry Standards	
OL Hammability Nating	UL Flammability Rating	UL 94V-0



Packaging Features

Packaging Quantity	112
Packaging Method	Package
Other	
D-Shaped Connectors Comment	All connectors are preloaded with size 20 DF posted contacts

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

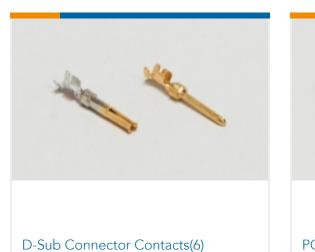




Profile, Signal, 2.77 mm



Also in the Series | AMPLIMITE HDP





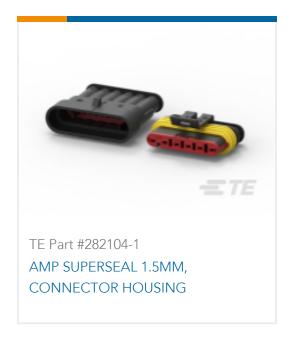
Customers Also Bought















Documents

Product Drawings 15 PLUG RA/MS 454

English

CAD Files

3D PDF

3D



Customer View Model

ENG_CVM_CVM_5745435-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5745435-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5745435-8_A.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English