

#### AMPLIMITE | AMPLIMITE HDP

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	



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]
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) 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

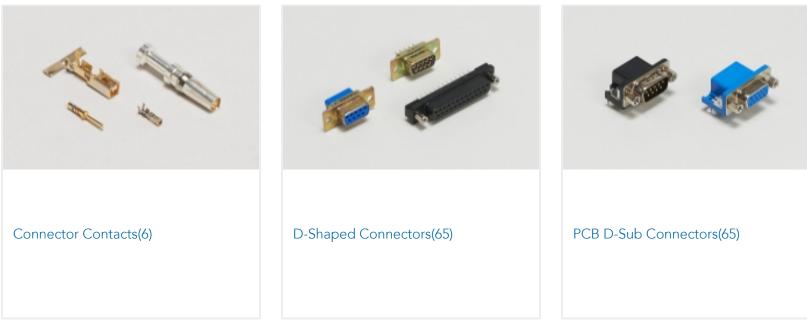
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

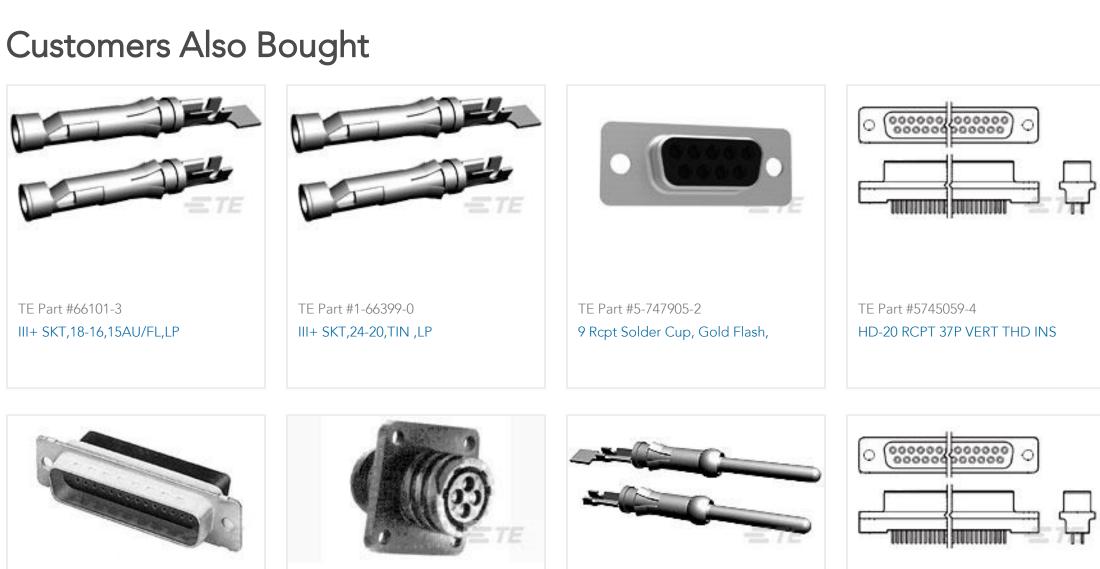
# **Compatible Parts**





## Also in the Series | AMPLIMITE HDP





TE Part #1-66400-0

III+ PIN,24-20,TIN,LP

TE Part #5745057-3

HD-20 RCPT 15P VERT THD INS





TE Part #206430-1

RECPT, SZ 11-4, CPC

### **Documents**

TE Part #1658671-1

HDP-22,PLUG,SIZE 2, 26 POSN

**Product Drawings** 37 PLUG RA/MS STD

English

**CAD Files** 

3D PDF

English

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**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

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

**Product Specifications** 

**Application Specification** 

English