

205859-1

✓ ACTIVE

AMPLIMITE | AMPLIMITE HDP

TE Internal #: 205859-1

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

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors >

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 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 Printed Circuit Board	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
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]
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Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

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

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (13% in Component Part) <small>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.</small>
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

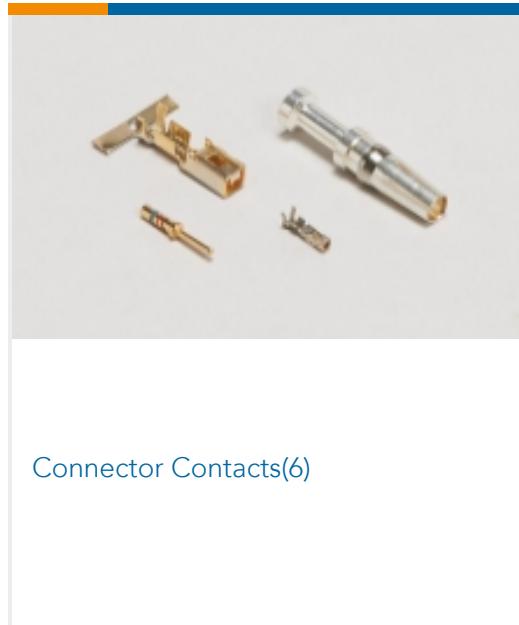
Product Compliance Disclaimer

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 # 747564-9 KIT,RCPT,37P,HDE,SHLD HDWRE	TE Part # 1-745497-7 RCPT ASSY,37P,HDE,MS

Also in the Series | AMPLIMITE HDP

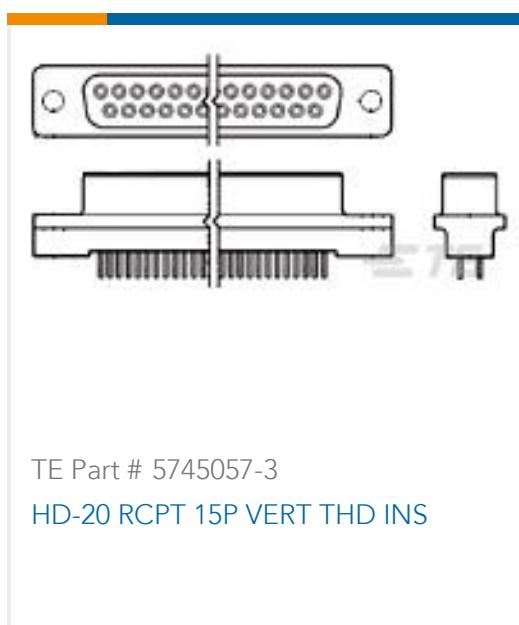
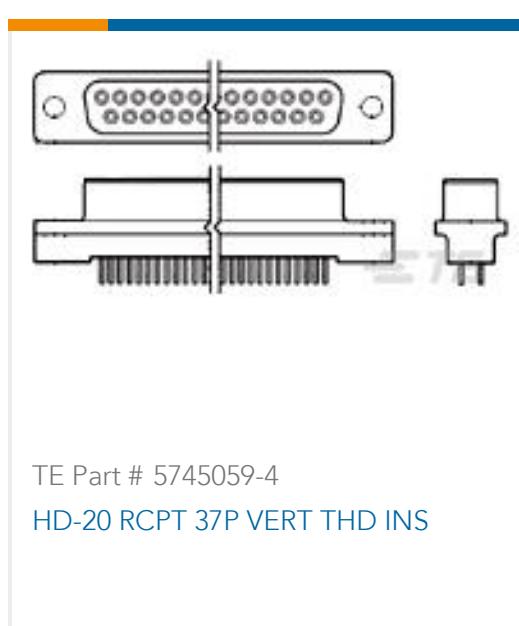


Connector Contacts(6)



PCB D-Sub Connectors(83)

Customers Also Bought

TE Part # 206430-1
RECPT, SZ 11-4, CPCTE Part # 1658671-1
HDP-22,PLUG,SIZE 2, 26 POSNTE Part # 66101-3
Pin and Socket Contacts, Type III, LPTE Part # 5745057-3
HD-20 RCPT 15P VERT THD INSTE Part # 5745059-4
HD-20 RCPT 37P VERT THD INSTE Part # 5-747905-2
9 Rcpt Solder Cup, Gold Flash,
III+ PIN,SOLTAB,TIN-LEAD,LPTE 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