

5745115-2 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDP

TE Internal #: 5745115-2

Receptacle, Board-to-Board, 37 Position, 2.74 mm [.108 in]

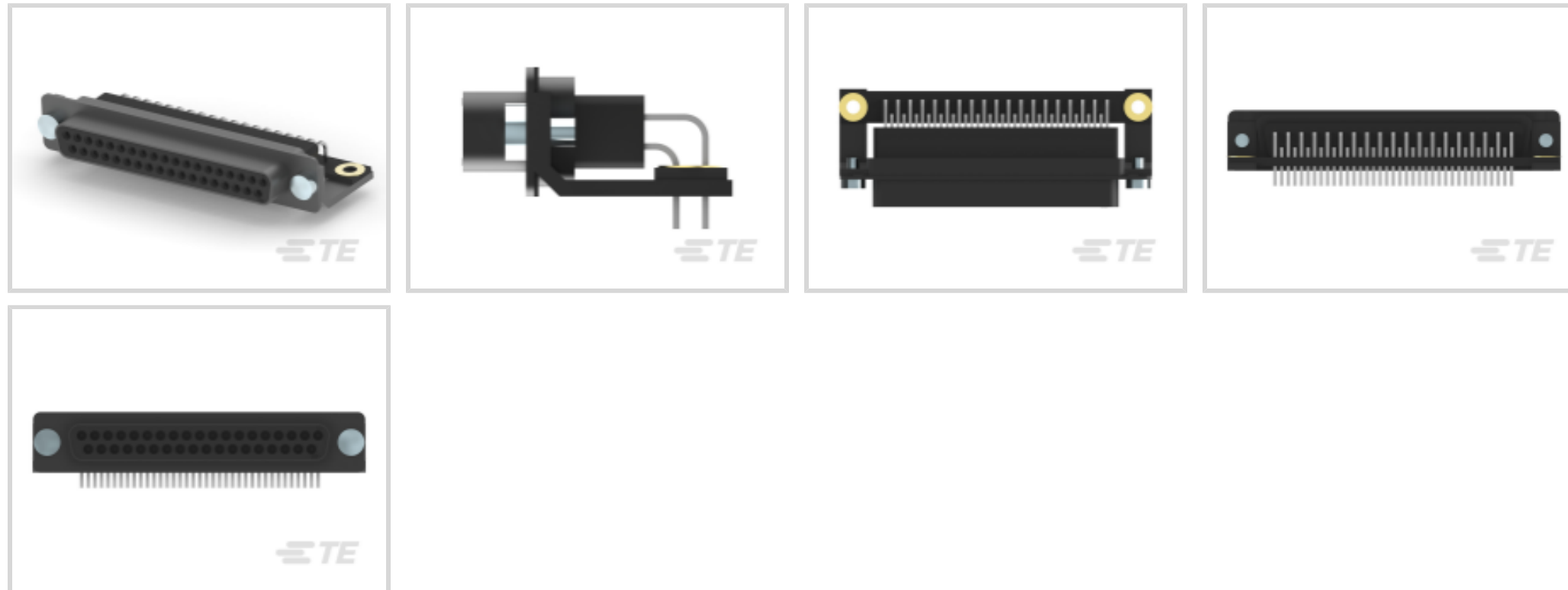
Centerline, 2 Row, 4 Connector Shell Size, Square, AMPLIMITE

HDP, PCB D-Sub Connectors

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 4, 2.77mm



Connector & Housing Type: **Receptacle**

Connector System: **Board-to-Board**

Number of Positions: **37**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 4, 2.77mm \(20\)](#)

## Features

### Product Type Features

Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Receptacle
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

Insert Material	Thermoplastic
Shell Plating Material	Tin



Connector Profile	Standard
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### Contact Features

Contact Options	Installed
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
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	With
Mating Retention Type	Mounting Screws
Connector Mounting Type	Board Mount

### Housing Features

Shell Material	Steel
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 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	56
Packaging Method	Package

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

 <p>TE Part # CAT-AM7-H3 IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm</p>	 <p>TE Part # CAT-AM7-248H4 IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm</p>	 <p>TE Part # CAT-AM7-248H3 IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm</p>
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## Also in the Series | AMPLIMITE HDP



Connector Contacts(6)



PCB D-Sub Connectors(83)

## Customers Also Bought

TE Part #5745351-4  
09 PLUG RA/MS STDTE Part #5-747916-2  
37 Plug Solder Cup, Gold FlashTE Part #3-1393483-8  
V42254A1115B209=SUB D FEDERLEI

## Documents

### Product Drawings

#### 37 RCPT RA/MS STD

English

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_5745115-2\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5745115-2\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5745115-2\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

#### AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors

English

### Product Specifications

#### Application Specification



English

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**Instruction Sheets**

**Instruction Sheet (U.S.)**

English

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**Agency Approvals**

**UL Report**

English