

5748904-1 ✓ ACTIVE



## AMPLIMITE

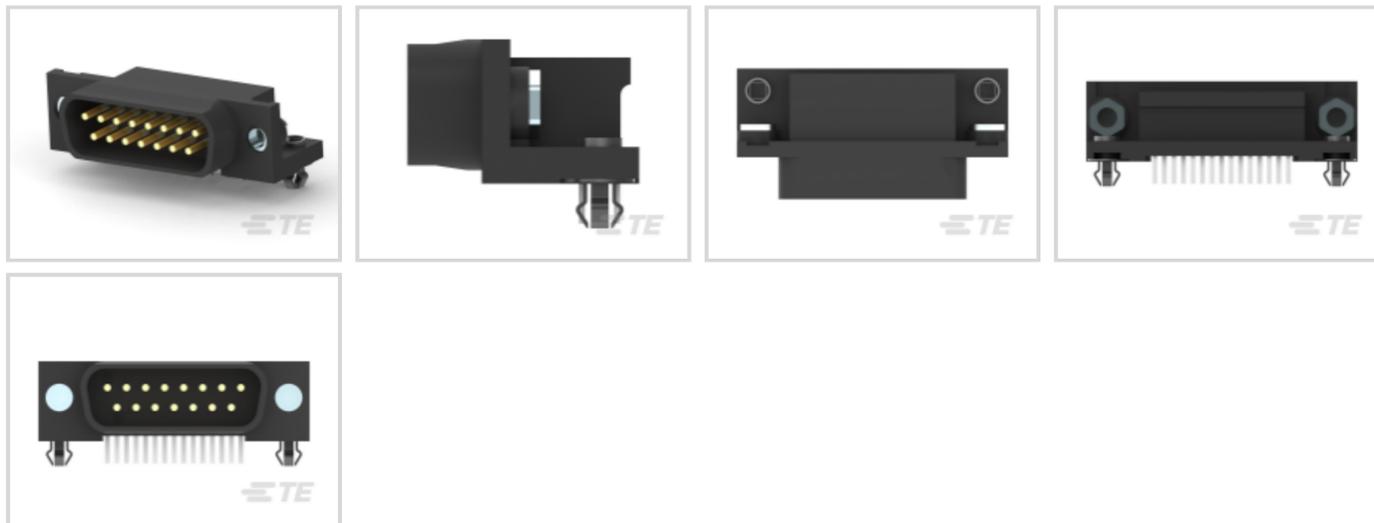
TE Internal #: 5748904-1

PCB D-Sub Connectors, Plug, Board-to-Board, 15 Position, 2.74 mm [.108 in] Centerline, 2 Row, Size 2, Round, Standard Profile, Right Angle

[View on TE.com >](#)

[Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors >](#)

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

Footprint	8.08 mm[.318 in]
Shell Type	All Plastic
Connector & Housing Type	Plug
Connector System	Board-to-Board
D-Sub Shell Size	2
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

### Configuration Features

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



Preloaded	Yes
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### Body Features

Plastic	Yes
Eyelet Material	Brass
Eyelet Plating Material	Tin
Connector Profile	Standard

### Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Shape & Form	Round
Contact Current Rating (Max)	2.7 A
	30 $\mu$ m

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.18 mm [.125 in]

### Mechanical Attachment

Threaded Insert Material	Zinc
Threaded Insert Plating Material	Clear Chromate
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Threaded Inserts
Connector Mounting Type	Board Mount
Boardlock Material	Copper Alloy
Boardlock Plating Material	Tin
Mounting Hole Diameter	3.18 mm [.125 in]

### Housing Features

Centerline (Pitch)	2.74 mm [.108 in]
Housing Material	Nylon GF, Polyester GF



Housing Color	Black
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### Dimensions

Row-to-Row Spacing	2.84 mm [.112 in]
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PCB Thickness (Recommended)	1.57 mm [.062 in]
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °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 Method	Package
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Packaging Quantity	104
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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Solder Process Capability	Wave solder capable to 265°C
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#### 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 # 745205-7  
15 HDE AP RECEPT, LEAD FREE



TE Part # CAT-AM7-253  
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

## Documents

### Product Drawings

[AMP III PLUG 15P RA 318 THD IN](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_5748904-1\\_O.2d\\_dxf.zip](#)

English

3D PDF

English

Customer View Model

[ENG\\_CVM\\_5748904-1\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5748904-1\\_O.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

[AMPLIMITE III SERIES 318 AND 590 ALL-PLASTIC RIGHT-ANGLE PLUG AND RECEPTACLE CONNECTORS](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English



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**Instruction Sheets**

[Instruction Sheet \(U.S.\)](#)

English

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**Agency Approvals**

[UL Report](#)

English