

747842-4 ! PENDING OBSOLESCENCE

## AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 747842-4

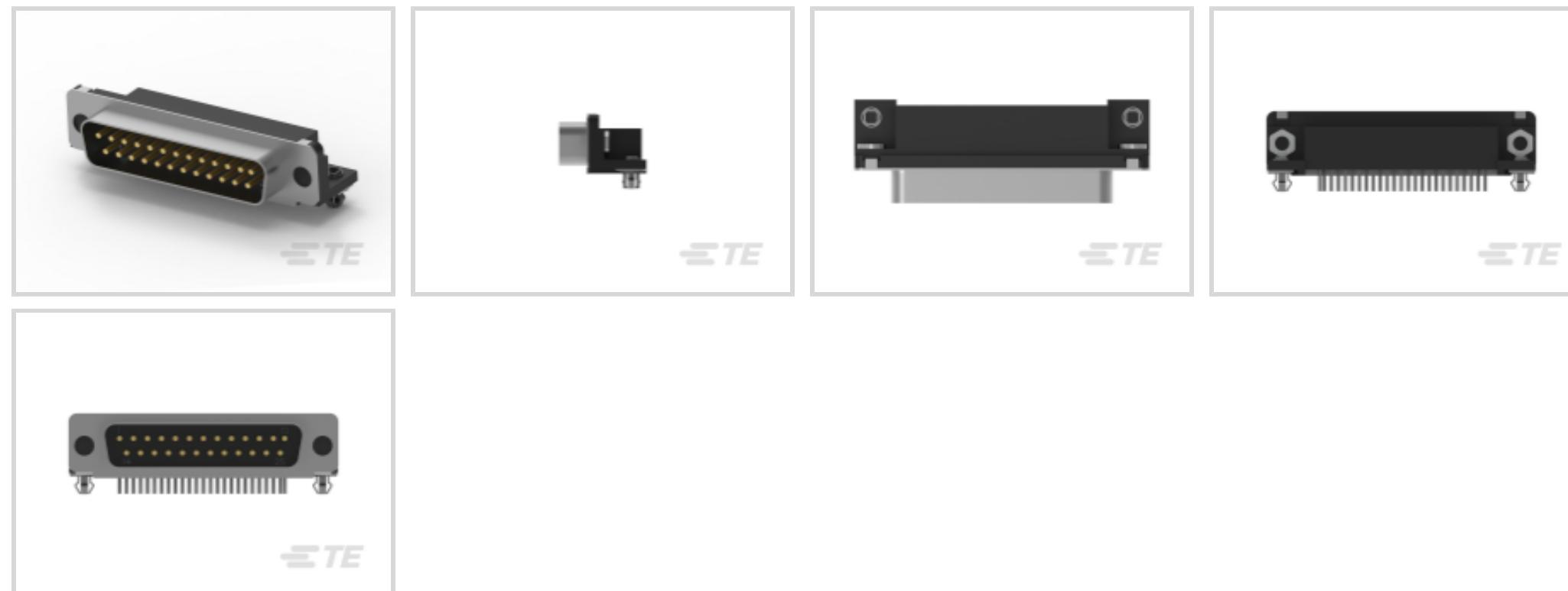
TE Internal Description: 25 MSFL PLUG RA 318 (IN,FM,BL)

D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm



Number of Positions: 25

Connector & Housing Type: Plug

Connector System: Board-to-Board

Connector Mounting Type: Board Mount

Connector Shell Size: 3

[All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm \(25\)](#)

## Features

### Product Type Features

Ground Feature Type	Grounding Indents, Grounding Straps
Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	3
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	25
Number of Rows	2
PCB Mount Orientation	Right Angle

### Body Features

Assembly Process Feature Material	Copper Alloy
Insert Material	Chromate

Shell Plating Material	Tin
Mating Retention Feature Material	Zinc
Primary Product Color	Black
Connector Profile	Standard

#### Contact Features

	30 $\mu$ in
Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Shape & Form	Round
Contact Current Rating (Max)	6 A
Contact Options	Installed

#### Termination Features

Termination Post & Tail Diameter	.66 mm[.026 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.18 mm[.125 in]

#### Mechanical Attachment

Mating Retention Feature Plating Material	Clear Chromate
Mounting Feature Plating Material	Tin over Copper Flash
Mounting Feature Material	Brass
Mounting Hole Diameter	3.18 mm[.125 in]
Assembly Process Feature Plating Material	Tin-Lead over Nickel
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Threaded Insert, 4-40 UNC

#### Housing Features

Housing Material	Nylon or Polyester
Shell Material	Steel
Centerline (Pitch)	2.77 mm[.109 in]

### Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 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

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

### Packaging Features

Packaging Quantity	65
Packaging Method	Tray

### 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: JUNE 2024 (241) SVHC > Threshold: Pb (13% in Component Part)

**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	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



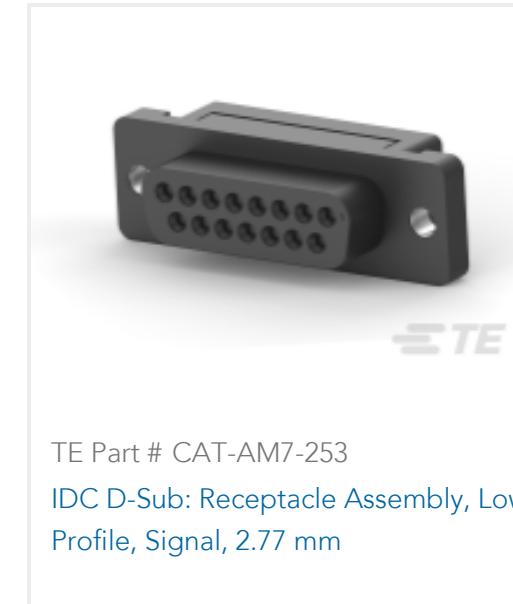
TE Part # 1-747947-5  
KIT,RCPT,25P,HDE,SHLD ENCLSRE



TE Part # CAT-AM7-248HS  
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm

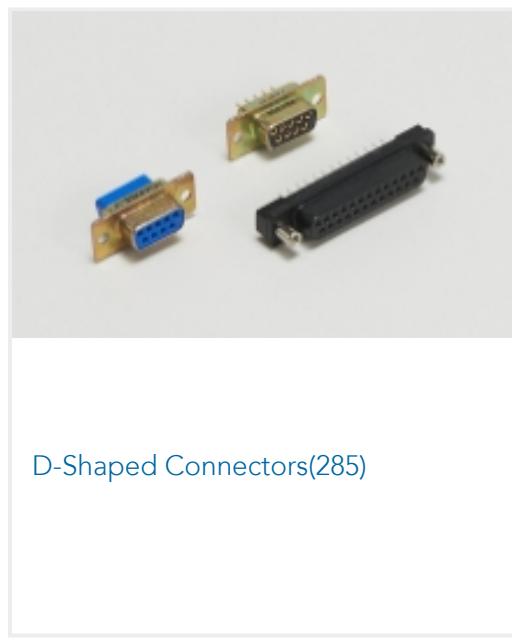


TE Part # 747548-8  
KIT,RCPT,25P,HDE,SHLD HDWRE



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

## Also in the Series | AMPLIMITE HD-20



D-Shaped Connectors(285)



PCB D-Sub Connectors(285)

## Customers Also Bought



TE Part #1-103168-2  
28 MODII HDR DRST SHRD .100CL



TE Part #747846-4  
25 MSFL RCPT RA 318 (IN,FM,BL)



TE Part #1-770170-1  
03P MINI UMNL ASSY VO SNAU LF



TE Part #1375794-4  
PC104 ASY 2S/0 UNKEYED LF



TE Part #1658613-2  
25 POS HDF PLUG, MS, LEAD FREE



TE Part #3-2180324-1  
zSFP+ STACKED 2X4 RECEPTACLE ASSEMBLY



TE Part #2299940-4  
ZQSFP+ STACKED REC ASSEMBLY 2X1,HS



TE Part #5499910-6  
A/L UNIV HDR 26P VERT SHT LAT



TE Part #03560799-000  
LVDT XS 4126 TYPE 2103 ASSY

## Documents

### Product Drawings

#### [25 MSFL PLUG RA 318 \(IN,FM,BL\)](#)

English

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### CAD Files

#### Customer View Model

#### [ENG\\_CVM\\_CVM\\_747842-4\\_W.2d\\_dxf.zip](#)

English

### 3D PDF

3D

#### Customer View Model

#### [ENG\\_CVM\\_CVM\\_747842-4\\_W.3d\\_igs.zip](#)

English

#### Customer View Model

#### [ENG\\_CVM\\_CVM\\_747842-4\\_W.3d\\_stp.zip](#)

English

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

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### Product Specifications

#### [Application Specification](#)

English