

5787683-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

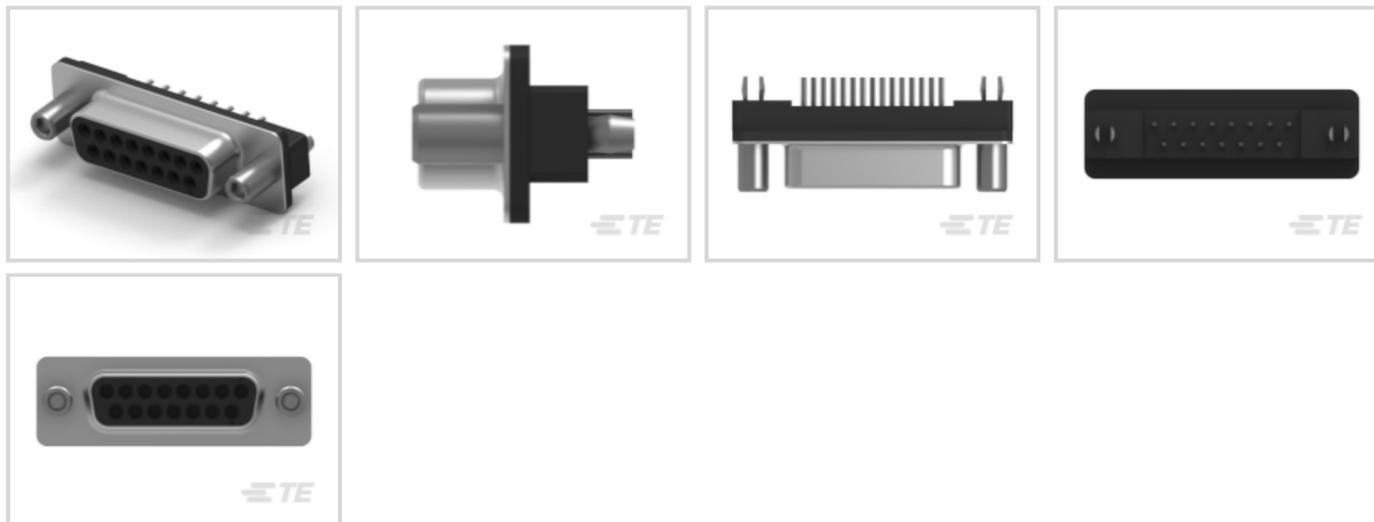
TE Internal #: 5787683-1

PCB D-Sub Connectors, Receptacle, Board-to-Board, 15 Position,  
2.74 mm [.108 in] Centerline, 2 Row, 2 Connector Shell Size, Round,  
AMPLIMITE HD-20

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 2, 2.74mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **15**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Shell Size 2, 2.74mm \(45\)](#)

## Features

### Product Type Features

Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector Shell Size	2
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	15
Number of Rows	2
PCB Mount Orientation	Vertical

### Body Features

Mating Feature Material	Zinc
Shell Plating Material	Tin



Primary Product Color	Black
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Connector Profile	Standard
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### Contact Features

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Contact Mating Area Plating Material	Gold
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Shape & Form	Round
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Contact Current Rating (Max)	6 A
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### Termination Features

Round Termination Post & Tail Diameter	.66 mm[.026 in]
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Termination Post & Tail Length	3.18 mm[.125 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Mounting Hole Diameter	3.07 mm[.121 in]
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PCB Mount Retention	With
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PCB Mount Retention Type	4-40 Retention Screwlock
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Mating Retention	Without
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Connector Mounting Type	Board Mount
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### Housing Features

Shell Material	Carbon Steel
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Housing Material	Polyester
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Centerline (Pitch)	2.74 mm[.108 in]
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### Dimensions

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



Approved Standards	UL E28476
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	13
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Packaging Method	Tube
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### Other

D-Shaped Connectors Comment	All receptacle assemblies are preloaded with size 20 DF posted socket contacts.
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## Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JAN 2023 (233)</p> <p>Candidate List Declared Against: JAN 2023 (233)</p> <p>SVHC &gt; Threshold:</p> <p>Pb (3.7% in Component Part)</p> <p><b>Article Safe Usage Statements:</b> 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.</p>
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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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



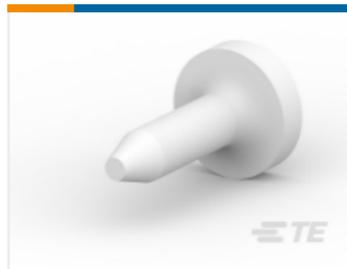

TE Part # CAT-AM7-H3  
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # 1-745494-5  
15 HDE MS PLUG, 22-26, LEAD FREE



TE Part # 1-745494-7  
PLUG ASSY, 15P, HDE, MS



TE Part # 206509-1  
SIZE 20 KEYING PLUG

Also in the Series | **AMPLIMITE HD-20**



PCB D-Sub Connectors(353)

Customers Also Bought



TE Part #3-338310-2  
15POS.HD20 PLUG ASS'Y



TE Part #2-5499141-6  
A/L UNIV HDR 26P RA LG LAT BLUE



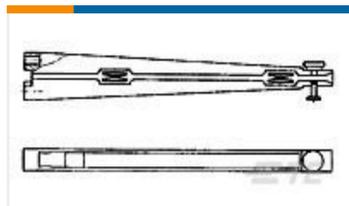
TE Part #2-1761605-7  
IDC LOW PRO HDR 20P RA BLUE



TE Part #2-1761605-6  
IDC LOW PRO HDR 16P RA BLUE



TE Part #519158-000  
STD09W-9



TE Part #4-1437353-9  
OEC G6032VR CARD GUIDE LOCKING 120 MM



TE Part #284259-E  
STVR 64 FI AC VV 7-03 TL \* \* 247 E 172 \*



TE Part #354232-E  
STVM 24-8 F ABC VV 7-00 TL 4,0 \* 137 E0



TE Part #364914-E  
STVC 64 M AC VV 4-00 0606 \* \* 247 E007 1



TE Part #839644-E  
IDCCS SRC 1,27 6 \* SPX APU 110 PVC



## Documents

### Product Drawings

[15 RCPT SP/FMS SCRLK](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5787683-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5787683-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5787683-1\\_A.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[AMPLIMITE Subminiature D Connectors - Straight Posted Connectors](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[TE Material Declaration](#)

English

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