

5747301-8 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

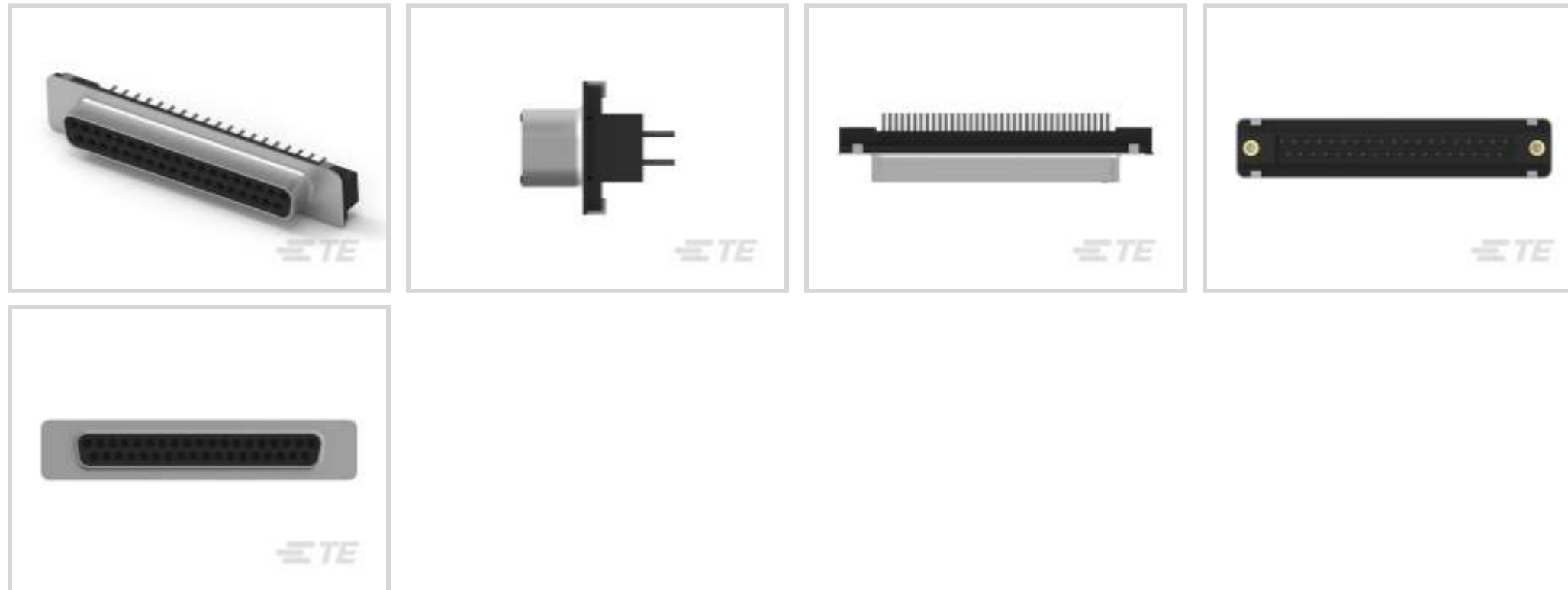
TE Internal #: 5747301-8

PCB D-Sub Connectors, Receptacle, Board-to-Board, 37 Position,  
2.77 mm [.109 in] Centerline, 2 Row, 4 Connector Shell Size, Round,  
AMPLIMITE HD-20

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



Connector & Housing Type: **Receptacle**

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

Number of Positions: **37**

Centerline (Pitch): **2.77 mm [.109 in]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Shell Size 4, 2.77mm \(30\)](#)

## Features

### Product Type Features

Shell Material Configuration	Front 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	Vertical

### Body Features

Mating Retention Feature Material	Brass
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	3.05 mm[.12 in]
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PCB Mount Retention	With
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PCB Mount Retention Type	Mounting Hole
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Mating Retention	With
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Mating Retention Type	Threaded Insert, 4-40 UNC
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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)	2.77 mm[.109 in]
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### Dimensions

PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 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

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

Packaging Quantity	7
Packaging Method	Tube

### Other

D-Shaped Connectors Comment	All receptacles 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
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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Pb (3.7% in Component Part) <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.
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 # CAT-AM7-H3  
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-AM7-248H4  
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm



TE Part # CAT-AM7-248H3  
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm



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 #5747150-8  
09 RCPT SP/FMS INSRT



TE Part #1-5102153-0  
A/L UNIV HDR 50P VERT



TE Part #5-104549-1  
10 SYS50 S/M HDR DRST SHRDSN




TE Part #194269-1  
HDR ASSY,MNL,2 POS,LUBRICATED




TE Part #6450750-2  
MBXL VERT RCPT STR,PF,2P+48S+2P



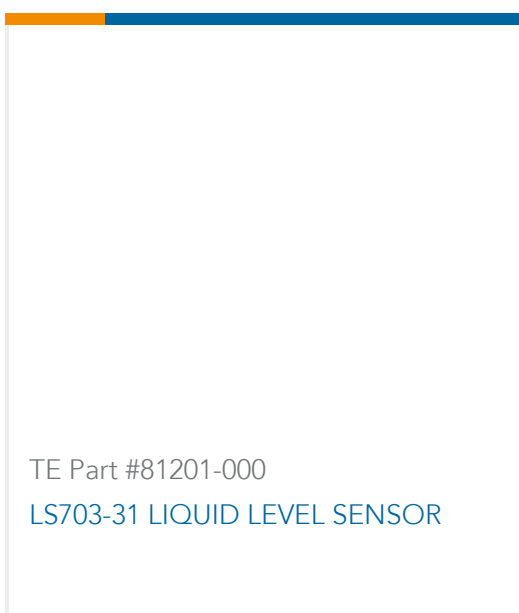
TE Part #6600380-6  
MBXL VERT HDR 2P+48S+2P STR



TE Part #2231738-1  
12X4211, FLAT RIBBON CABLE-JAG5 CANISTER



TE Part #2321154-1  
IBM 01KL931.



TE Part #81201-000  
LS703-31 LIQUID LEVEL SENSOR



## Documents

### Product Drawings

#### 37 RCPT SP/FMS INSRT

English

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5747301-8\\_L.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5747301-8\\_L.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5747301-8\\_L.2d\\_dxf.zip](#)

English

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_5747301-8\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5747301-8\\_A.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5747301-8\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

English

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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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### Agency Approvals

#### UL Report

English