

5177802-9 **×** OBSOLETE

**AMPLIMITE**

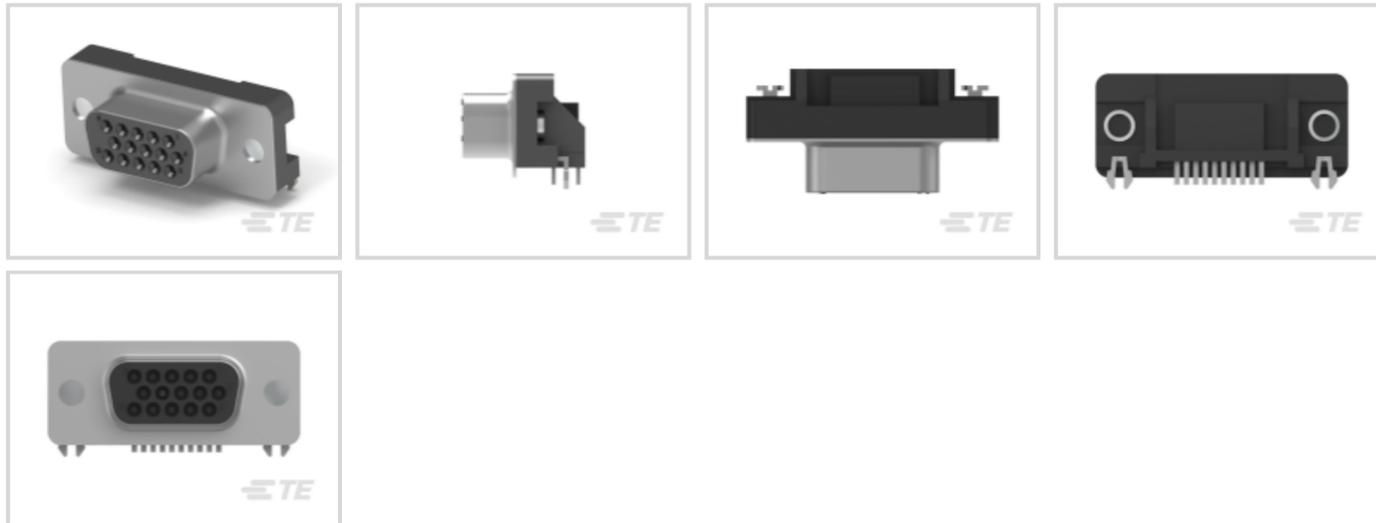
TE Internal #: 5177802-9

TE Internal Description: AMPLIMITE RETENTION LEG HD-22 PB-FREE

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Receptacle**

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

Number of Positions: **15**

Centerline (Pitch): **2.28 mm [.089 in]**

Number of Rows: **3**

**Features**

**Product Type Features**

Grounding Indents	Without
Grounding Straps	Without
Footprint	4.6 mm[.18 in]
Shell Type	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector
Shape	"D" Shaped

**Configuration Features**

Number of Positions	15
Number of Rows	3
PCB Mount Orientation	Right Angle

Preloaded	Yes
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### Body Features

Retention Leg Plating Material	Tin
Plastic	No
Retention Leg Material	Copper Alloy
Connector Profile	Standard
Shell Material	Carbon Steel
Shell Plating Material	Tin

### Contact Features

Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Shape & Form	Round
Contact Current Rating (Max)	2 A
	30 $\mu$ in

### Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	2.79 mm[.11 in]

### Mechanical Attachment

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

### Housing Features

Centerline (Pitch)	2.28 mm[.089 in]
Housing Material	Thermoplastic

### Dimensions

Row-to-Row Spacing	1.98 mm[.078 in]
PCB Thickness (Recommended)	1.19 – 1.6 mm[.047 – .063 in]

### 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	Tray
Packaging Quantity	80

### Product Compliance

[For compliance documentation, visit the product page on 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 2022 (224) Candidate List Declared Against: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.



## Documents

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_5177802-9\\_O.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5177802-9\\_O.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5177802-9\\_O.3d\\_stp.zip](#)

English

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

### Product Specifications

#### Product Specification

English

[AMPLIMITE Connector/III-J HD-22 Ultra Slim Type](#)

English

#### Product Specification

English

[AMPLIMITE Connector/III-J HD-22 Ultra Slim Type](#)

Japanese

#### Product Specification

Japanese

### Product Environmental Compliance

#### TE Material Declaration

English