



# IDC D-SUB CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 15 POS HDF PLUG, AP, LEAD FREE

AMPLIMITE | HDF for Flat Ribbon Cable

1658615-3

TE Internal Number: 1658615-3

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline (in) **.0545**

Number of Positions **15**

Number of Rows **2**

Preloaded **Yes**

### Product Drawings

[PLUG ASSEMBLY, LEAD-FREE, AMPLIMITE HDF](#)

PDF  
English

### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[3D PDF](#)

PDF  
English

### Catalog Pages/Data Sheets

[AMPLIMITE Subminiature D Connectors - Cable Connectors](#)

PDF  
English

### Product Specifications

Product Specification

[AMPLIMITE HDF-20 Low Profile Connector](#)

PDF  
English

Qualification Test Report

[AMPLIMITE MDF-20 Low Profile Connector](#)

PDF  
Japanese

[AMPLIMITE MDF-20 Low Profile Connector](#)

PDF  
English

[AMPLIMITE MDF-20 Low Profile Connector](#)

TIF  
English

### Product Environmental Compliance

TE Material Declaration

[MD 1658615-3 06092014720 dwtac](#)

Instruction Sheets

Instruction Sheet (U.S.)

[Connector-Specific Kit 768349-1 For AMP-LATCH HDF Low-Profile Connectors](#)  
 PDF  
 English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Connector Style	<b>Plug</b>
	Shell Size	<b>2</b>
	Wire/Cable Type	<b>Ribbon Cable</b>
	Grounding Indents	<b>With</b>
	Shell Type	<b>All Plastic</b>
	Product Type	<b>Connector</b>
	Profile	<b>Low</b>
	Grade	<b>Standard</b>
Configuration Features	Number of Positions	<b>15</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>
Body Features	Ribbon Cable Centerline Spacing	<b>1.27 mm [ .05 in ]</b>
	Strain Relief Part Number	<b>747275-3</b>
	Cover Material	<b>Thermoplastic</b>
	Color	<b>Black</b>
Contact Features	Contact Size	<b>20</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Type	<b>Pin</b>
	Contact Mating Area Plating Material	<b>Gold</b>
	Solder Tail Contact Plating Material	<b>Tin over Nickel</b>
Termination Features	Termination Method to Wire/Cable	<b>Insulation Displacement Crimp (IDC)</b>
Mechanical Attachment	PCB Mount Retention Type	<b>None</b>

Mating Connector Lock	<b>With</b>
Mounting Angle	<b>Straight</b>
Mating Connector Lock Type	<b>Mounting Holes</b>

Housing Features	Centerline (in)	<b>.0545</b>
	Housing Material	<b>Thermoplastic</b>
	Enclosure	<b>Without</b>

Dimensions	Wire Range	<b>.08 – .15 mm<sup>2</sup> [ 28 – 26 AWG ]</b>
	Cable Insulation Diameter	<b>.81 – .97 mm [ .032 – .038 in ]</b>

Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
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Packaging Features	Packaging Quantity	<b>40</b>
	Packaging Method	<b>Tube</b>




Other	Optional Cable Stabilizer	<b>747275-3</b>
	Comment	<b>All plug assemblies are supplied with housing and cover preassembled</b>

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

D-SUB LOCKING & MOUNTING	IDC D-SUB CONNECTORS	POWER CONTACTS	D-SUB CONNECTOR CONTACTS
			
<b>015 LP HDF STRAIN RELIEF</b> 747275-3	<b>15 POS HDF RCPT, AP, LEAD FREE</b> 1658614-3	<b>VAL-U-LOK SKT PHBZ AU 24-18 LP</b> 1586315-4	<b>20 DF PIN CONT L.P.</b> 745254-7
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Relation Type ▼

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - PCB D-Sub Connectors  
AMPLIMITE I Standard

**HD-20 RCPT 15P RA 318  
FFSCRLK - 5745396-2**

TE INTERNAL NUMBER: 5745396-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **15**

Number of Rows **2**

Shell Size **2**

Contact Shape **Round**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDE (IDC) Insulation

**15 HDE AP RECEPT,  
LEAD FREE - 745205-7**

TE INTERNAL NUMBER: 745205-7

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **15**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDF for Flat Ribbon Cable

**15 POS HDF RCPT, AP,  
LEAD FREE - 1658614-3**

TE INTERNAL NUMBER: 1658614-3

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **15**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**

