



# IDC D-SUB CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 09 SHLDG ENCL PLUG, LEAD FREE

AMPLIMITE | HDE (IDC) Insulation

1-747944-5

TE Internal Number: 1-747944-5

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **Yes**

Number of Positions **9**

Number of Rows **2**

Preloaded **Yes**

### Product Drawings

[SHIELDING ENCLOSURE KIT, PLUG, SIZE 1, 9 POSN, AMPLIMITE HDE-20](#)

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### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
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[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

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

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### Product Specifications

Product Specification

[AMPLIMITE Shielding Hardware Connector](#)

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Application Specification

[AMPLIMITE HDE-20 Insulation Displacement Connector](#)

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[AMPLIMITE HDE-20 IDC Connectors](#)

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Qualification Test Report

[AMPLIMITE HDE-20 Shielding Hardware Kits With And Without Enclosures](#)

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[AMPLIMITE HDE-20 Insulation Displacement Connector](#)

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[AMPLIMITE HDE-20 Insulation Displacement Connector](#)

TIF  
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[AMPLIMITE HDE-20 & HDP-20 Shielding Hardware](#)

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[AMPLIMITE HDE-20 & HDP-20 Shielding Hardware](#)

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Japanese

[AMPLIMITE HDE-20 & HDP-20 Shielding Hardware](#)

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English

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## Instruction Sheets

Instruction Sheet (U.S.)

[AMPLIMITE High Den. \(HDE-20\) Insulation Displacement Metal Shell Conn.](#)

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[Shielding Hardware Enclosure Kits With AMPLIMITE HDE-20, HDP-20, And HDP-22 Crimp Snap-In Contact Connectors](#)

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English

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

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Product Type Features	Connector Style	<b>Plug</b>
	Shielded	<b>Yes</b>
	Shell Size	<b>1</b>
	Wire/Cable Type	<b>Discrete Wire, Round Jacketed Cable</b>
	Enclosure Material	<b>PVC</b>
	Grounding Indents	<b>With</b>
	Shell Type	<b>Front Metal Shell</b>
	Product Type	<b>Connector</b>
	Insulation Support	<b>Yes</b>
	Thread Size	<b>4-40</b>
	Grade	<b>Standard</b>

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Configuration Features	Number of Positions	<b>9</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>
	Pre-Assembled	<b>No</b>

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Body Features	Shell Material	<b>Steel</b>
	Shield Plating Material	<b>Tin</b>
	Insert Material	<b>Thermoplastic</b>
	Shield Material	<b>Steel</b>





	Shell Plating Material	<b>Tin</b>
	Color	<b>Black</b>
Contact Features	Contact Size	<b>20</b>
	Contact Mating Area Plating Thickness	<b>.76 µm [ 30 µin ]</b>
	Contact Base Material	<b>Phosphor Bronze</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>
	Jackscrew Material	<b>Zinc Alloy</b>
	Mating Connector Lock	<b>With</b>
	Mounting Angle	<b>Straight</b>
	Mating Connector Lock Type	<b>Jackscrews</b>
Housing Features	Enclosure	<b>With</b>
Dimensions	Wire Range	<b>.15 – .4 mm² [ 26 – 22 AWG ]</b>
	Cable Diameter (Max)	<b>9.53 mm [ .375 in ]</b>
	Cable Insulation Diameter	<b>4.83 – 9.53 mm [ .19 – .375 in ]</b>
	Cable Outside Diameter	<b>4.83 – 9.53 mm [ .19 – .375 in ]</b>
	Wire Insulation Diameter	<b>1.52 mm [ .06 in ]</b>
Industry Standards	Insert Flammability Rating	<b>UL 94V-0</b>
Packaging Features	Packaging Method	<b>Package</b>
	Packaging Quantity	<b>1</b>
Other	Comment	<b>Maximum cable diameter after jacket and braid removed., There is a maximum Cable O.D. of 9.02 [.355] for Shielding Enclosure Expansion Tool 58241-4.</b>

Product Compliance

[Statement of Compliance](#)  
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[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

IDC D-SUB CONNECTORS	IEC FILTERED INLETS	D-SUB LOCKING & MOUNTING	CRIMP D-SUB CONNECTORS
 <p>KIT, RCPT, 9P, HDE, SHLD ENCLSRE 1-747943-7</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>15SRBS1-X=F8221E 2-6609987-4</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>SHLDING FERRULE, PLTD TIN, BULK 2-747580-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>KIT, HDP-20, ENCLSUR, RCPT, SIZE 3 1658658-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>

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RELATIONSHIP

### Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS		<input checked="" type="checkbox"/>
	<p>Connectors - PCB D-Sub Connectors AMPLIMITE I SL, Standard</p> <p><b>09 MSFL RCPT RA 590</b> <b>(SL, FM, BL) - 5747836-6</b> TE INTERNAL NUMBER: 5747836-6</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Connector Style <b>Receptacle</b></p> <p>Number of Positions <b>9</b></p> <p>Number of Rows <b>2</b></p> <p>Shell Size <b>1</b></p> <p>Contact Shape <b>Round</b></p>

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS		<input checked="" type="checkbox"/>
	<p>Connectors - PCB D-Sub Connectors AMPLIMITE I Standard</p> <p><b>09 MSFL RCPT RA 318</b> <b>(IN, FM, BL) - 5747844-4</b> TE INTERNAL NUMBER: 5747844-4 ALIAS ID: 1363575</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Connector Style <b>Receptacle</b></p> <p>Number of Positions <b>9</b></p> <p>Number of Rows <b>2</b></p> <p>Shell Size <b>1</b></p> <p>Contact Shape <b>Round</b></p>

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - PCB D-Sub Connectors  
AMPLIMITE I Standard

### 09 MSFL RCPT RA 318 (FM, BL) - 5747844-2

TE INTERNAL NUMBER: 5747844-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **9**

Number of Rows **2**

Shell Size **1**

Contact Shape **Round**

