



PCB D-SUB CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE) 50 PLUG RA/MS STD (SL)

AMPLIMITE | Metal Shell

747497-4
TE Internal Number: 747497-4

Not EU RoHS or ELV Compliant
Find Compliant Alternatives

Connector Style **Plug**

Centerline (in) **.108**

Number of Positions **50**

Number of Rows **3**

Shell Size **5**

Product Drawings

PLUG ASSEMBLY, SIZE 5, 50 POSITION, RIGHT ANGLE, 545 SERIES, .025 SQ POSTS, AMPLIMITE HDP

PDF (TIFF AVAILABLE)
English

PLUG ASSEMBLY, SIZE 5, 50 POSITION, RIGHT ANGLE, 545 SERIES, .025 SQ POSTS, AMPLIMITE HDP

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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

Product Specifications

Application Specification

AMPLIMITE HD-20 Series 454 And 545 Right-Angle Rear Load Metal Shell

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

Plug

Shell Size

5

	Profile	High
	PCB Mounting Orientation	Right Angle
	Grounding Straps	Without
	Shell Type	Full Metal Shell
	Footprint	13.84 mm [.545 in]
	Grounding Indents	With
	Applies To	Printed Circuit Board
	Sealed	No
	Product Type	Connector
<hr/>		
Configuration Features	Number of Positions	50
	Number of Rows	3
	Preloaded	Yes
<hr/>		
Body Features	Plastic	No
	Female Screwlock Material	Steel
	Female Screwlock Plating Material	Zinc
	Color Code	None
	Shell Plating Material	Tin
	Insert Material	Thermoplastic
	Shell Material	Steel
	Post Size	.64 mm [.025 in]
<hr/>		
Contact Features	Contact Shape	Square
	Solder Tail Contact Plating Material	Tin-Lead over Nickel
	Contact Base Material	Brass
	Contact Mating Area Plating Thickness (µin)	30
	Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
<hr/>		
Termination Features	Termination Post Length	3.18 mm [.125 in]
	Grounding Clips	Without
<hr/>		
Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Retention	With
	PCB Mount Retention Type	Mounting Holes
	Mating Connector Lock	With
	Mating Connector Lock Type	Female Connector Lock 4-40 UNC

Mating Connector Lock Type **Female Screwlocks, 4-40 UNC**

Panel Mount Retention **Without**

Mounting Hole Diameter **3.05 mm [.12 in]**

Housing Features

Centerline (in) **.108**

Housing Color **Black**

Housing Material **Thermoplastic**

Dimensions

PCB Thickness (Recommended) **2.36 mm [.093 in]**

Industry Standards

Insert Flammability Rating **UL 94V-0**

UL Flammability Rating **UL 94V-0**

Approved Standards **UL E28476**

Packaging Features

Packaging Method **Tube**

Packaging Quantity **7**

Other

Comment **Plugs are preloaded with size 20 DF posted pin contacts**

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 1 Results

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Relation Type

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

**50 POS HDF RCPT, MS,
LEAD FREE - 1658606-1**

TE INTERNAL NUMBER: 1658606-1

Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.38 mm**

Number of Positions **50**

Number of Rows **3**

Preloaded **Yes**

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