



PCB D-SUB CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE) 37 RCPT SP/FMS INSRT

AMPLIMITE | SP , Standard

5747301-7
TE Internal Number: 5747301-7

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline (in) **.109**

Number of Positions **37**

Number of Rows **2**

Shell Size **4**

Product Drawings

[RECEPTACLE ASSEMBLY, SIZE 4, 37 POSN, VERTICAL, FRONT METAL SHELL, AMPLIMITE HD-20](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
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[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

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Catalog Pages/Data Sheets

[AMPLIMITE Subminiature D Connectors - Straight Posted Connectors](#)

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English

Product Specifications

Product Specification

[AMPLIMITE HD-20 PCB Mounted Connector](#)

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Application Specification

[AMPLIMITE HD-20 Straight Solder Contact Tine, Front Metal Shell, PC Board And Panel Mount Connectors](#)

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Qualification Test Report

[Connector, AMPLIMITE HD-20, Printed Circuit Board Mounted](#)

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Product Environmental Compliance

TE Material Declaration

[MD_5747301-7_12202013236_dmtec](#)

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	Receptacle
	Shell Size	4
	Profile	Standard
	PCB Mounting Orientation	Vertical
	Grounding Straps	Without
	Shell Type	Front Metal Shell
	Grounding Indents	Without
	Applies To	Printed Circuit Board
	Sealed	No
Product Type	Connector	

Configuration Features	Number of Positions	37
	Number of Rows	2
	Preloaded	Yes

Body Features	Plastic	No
	Color Code	None
	Shell Plating Material	Tin
	Shell Material	Carbon Steel
	Post Size	.66 mm [.026 in]

Contact Features	Contact Shape	Round
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Material	Gold Flash

Termination Features	Termination Post Length	3.18 mm [.125 in]
	Grounding Clips	Without

Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Retention	With
	PCB Mount Retention Type	Mounting Holes
	Mating Connector Lock	With

Mating Connector Lock
Mating Connector Lock Type	Threaded Insert, 4-40 UNC
Panel Mount Retention	Without
Mounting Hole Diameter	3.05 mm [.12 in]
Threaded Insert Material	Brass

Housing Features	Centerline (in)	.109
	Housing Color	Black
	Housing Material	Polyester

Dimensions	PCB Thickness (Recommended)	1.57 – 2.36 mm [.062 – .093 in]
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Industry Standards	UL Flammability Rating	UL 94V-0
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Packaging Features	Packaging Method	Tube
	Packaging Quantity	7

Other	Comment	All receptacles are preloaded with size 20 DF posted socket contacts
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Product Compliance [Statement of Compliance PDF](#)
[VIEW ALL PRODUCT COMPLIANCE](#)

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RELATIONSHIP

Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS



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

**KIT, PLUG, 37P, HDE,
 SHLD ENCLSRE
 - 1-747950-6**

TE INTERNAL NUMBER: 1-747950-6

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **Yes**

Number of Positions **37**

Number of Rows **2**

Preloaded **Yes**



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

**KIT, PLUG, 37P, HDE,
SHLD HDWRE
- 1-747563-0**

TE INTERNAL NUMBER: 1-747563-0

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **Yes**

Centerline **1.38 mm**

Number of Positions **37**

Number of Rows **2**

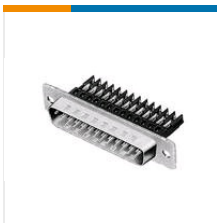


RELATIONSHIP

Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS

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

**PLUG ASSY, 37P, HDE,
MS - 1-745498-7**

TE INTERNAL NUMBER: 1-745498-7

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **1.38 mm**

Number of Positions **37**

Number of Rows **2**

Preloaded **Yes**

