



PCB D-SUB CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

37 RCPT SP/FMS INSRT

AMPLIMITE | SP , Standard

5747301-8

TE Internal Number: 5747301-8

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
English

Customer View Model

2D_DXF.ZIP
English

3D PDF

PDF
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Catalog Pages/Data Sheets

AMPLIMITE Subminiature D Connectors - Straight Posted Connectors

PDF
English

Product Specifications

Product Specification

AMPLIMITE HD-20 PCB Mounted Connector

PDF
English

Application Specification

AMPLIMITE HD-20 Straight Solder Contact Tine, Front Metal Shell, PC Board And Panel Mount Connectors

PDF
English

Qualification Test Report

Connector, AMPLIMITE HD-20, Printed Circuit Board Mounted

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 Thickness (µin)	30
	Contact Mating Area Plating Material	Gold
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 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]
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tube
	Packaging Quantity	7
Other	Comment	All receptacles are preloaded with size 20 DF posted socket contacts

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

CUSTOMERS ALSO BOUGHT

SURFACE MOUNT RESISTORS	RIBBON CABLE CONNECTORS	THROUGH-HOLE RESISTORS	PCB D-SUB CONNECTORS
 <p>CPF 0402 82R 0.1% 25PPM 1K RL CPF0402B82RE1</p> <p>Save to List Find Similar Products</p>	 <p>IDC LOW PRO HDR 10P VERT HT BLACK 1761681-3</p> <p>Save to List Find Similar Products</p>	 <p>ER74 680R 5% AMMO PK ER74680RJT</p> <p>Save to List Find Similar Products</p>	 <p>37 PLUG SP/FMS INSRT 5747375-8</p> <p>Save to List Find Similar Products</p>

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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**
- 1-747950-5

TE INTERNAL NUMBER: 1-747950-5

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **Yes**

Number of Positions **37**

Number of Rows **2**

Preloaded **Yes**

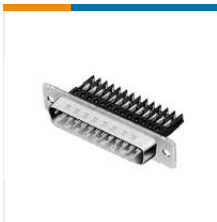


RELATIONSHIP

Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS

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

**37 HDE MS PLUG, 22-26,
LEAD FREE - 1-745498-5**

TE INTERNAL NUMBER: 1-745498-5

ALIAS ID: AMP-1-0745498-5, D38794-000

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **1.38 mm**

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

**PLUG ASSY, 37P, HDE,
MS - 1-745498-6**

TE INTERNAL NUMBER: 1-745498-6

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **1.38 mm**

Number of Positions **37**

Number of Rows **2**

Preloaded **Yes**

