



## PCB D-SUB CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 50 RCPT ACT PIN/MS(GRD SHLD)

AMPLIMITE | Action Pin

5748443-2

TE Internal Number: 5748443-2

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline (mm) **2.77**

Number of Positions **50**

Number of Rows **3**

Shell Size **5**

#### Product Drawings

RECEPTACLE ASSEMBLY, SIZE 5, 50 POSITION, ACTION PIN, FRONT METAL  
SHELL AMPLIMITE HD-20

PDF  
English

#### CAD Files

Customer View Model

2D\_DXF.ZIP  
English

3D PDF

PDF  
3D

Customer View Model

3D\_IGS.ZIP  
English

Customer View Model

3D\_STP.ZIP  
English

#### Product Specifications

Product Specification

Connector, AMPLIMITE, ACTION PIN

PDF  
English

Application Specification

AMPLIMITE HD-20 Connectors With ACTION PIN Contacts

PDF  
English

Qualification Test Report

Connector, AMPLIMITE\*, ACTION PIN\*

TIF  
English

Connector, AMPLIMITE\*, ACTION PIN\*

PDF  
English

#### Instruction Sheets

Instruction Sheet (U.S.)

AMPLIMITE Connector HD-20 Shielded Cable Clamp Kits

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	5
	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	50
	Number of Rows	3
	Preloaded	Yes
Body Features	Plastic	No
	Female Screwlock Material	Zinc
	Color Code	None
	Shield Plating Material	Tin
	Shell Plating Material	Tin over Copper
	Shell Material	Carbon Steel
	Shield Material	Nickel
Contact Features	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Base Material	Copper Alloy
	Contact Mating Area Plating Thickness (µin)	30
	Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
Termination Features	Termination Post Length	5.23 mm [ .206 in ]
	Grounding Clips	Without
Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Retention	With
	PCB Mount Retention Type	Action/Compliant Tail

	PCB Mount Retention Type	Action/Compliant Part
	Mating Connector Lock	With
	Mating Connector Lock Type	Female Screwlocks, 4-40 UNC
	Panel Mount Retention	Without
	Mounting Hole Diameter	3.04 mm [ .12 in ]
Housing Features	Centerline (mm)	2.77
	Housing Color	Black
	Housing Material	Nylon/Polyester
Dimensions	PCB Thickness (Recommended)	1.57 mm [ .062 in ]
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tray
	Packaging Quantity	56
Other	Comment	With ground plane shield.
Product Compliance	<a href="#">Statement of Compliance</a> PDF	
	<a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

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 PLUG, MS,  
LEAD FREE - 1658607-1**

TE INTERNAL NUMBER: 1658607-1

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **50**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**



