



# PCB D-SUB CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 68 50SR R/A RCPT ASSY, LEAD FREE

AMPLIMITE | 0.50 Connector System

1761028-4

TE Internal Number: 1761028-4

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm [ .05 in ]**

Number of Positions **68**

Number of Rows **2**

PCB Mounting Orientation **Right Angle**

### Product Drawings

RECEPTACLE ASSEMBLY, SHIELDED, RIGHT ANGLE, RAILED, .050 SERIES, AMPLIMITE

PDF  
English

### CAD Files

3D PDF

PDF  
English

Customer View Model

3D\_IGS.ZIP  
English

Customer View Model

3D\_STP.ZIP  
English

Customer View Model

2D\_DXF.ZIP  
English

### Catalog Pages/Data Sheets

AMPLIMITE Subminiature D Connectors - .050 Series Connector

PDF  
English

### Product Specifications

Product Specification

Connector, AMPLIMITE, Shielded, .050 Series

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Application Specification

AMPLIMITE .050 Series Cable End Insulation Displacement Connector (IDC) And Printed Circuit (PC) Board Connector

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Qualification Test Report

.050 Series Shielded AMPLIMITE Connector

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English

### Product Environmental Compliance

TE Material Declaration

68 50SR R/A RCPT ASSY, LEAD FREE





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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.

Product Type Features	Connector Style	<b>Receptacle</b>
	PCB Mounting Orientation	<b>Right Angle</b>
	Shell Type	<b>Full Metal Shell</b>
	Applies To	<b>Printed Circuit Board</b>
	Connector Type	<b>Connector Assembly</b>
	Product Type	<b>Connector</b>
	Shielded	<b>Yes</b>
Configuration Features	Number of Positions	<b>68</b>
	Number of Rows	<b>2</b>
Body Features	Bracket Plating Material	<b>Nickel over Copper</b>
	Bracket Material	<b>Zinc</b>
	Shell Plating Material	<b>Tin</b>
	Shell Material	<b>Steel</b>
	Post Plating Material	<b>Tin over Nickel</b>
	Shell Plating Finish	<b>Bright</b>
Contact Features	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Mating Area Plating Material	<b>Gold Flash over Palladium Nickel, Gold</b>
Termination Features	Termination Post Length	<b>2.54 mm [ .1 in ]</b>
	Termination Method to PC Board	<b>Through Hole - Solder</b>
Mechanical Attachment	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Boardlocks</b>
	Mating Alignment Type	<b>Rails</b>
	Mating Retention Type	<b>Latch</b>
	Boardlock Material	<b>Copper Alloy</b>
	Mating Retention	<b>With</b>
	PCB Mount Alignment	<b>Without</b>
	Mounting Hole Diameter (mm)	<b>2.77</b>

	Mounting Hole Diameter (mm)	1.27
	Boardlock Plating Material	<b>Tin over Nickel</b>
	Mating Alignment	<b>With</b>
Housing Features	Centerline	<b>1.27 mm [ .05 in ]</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</b>
Dimensions	PCB Thickness (Recommended)	<b>1.57 mm [ .062 in ]</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
Packaging Features	Packaging Method	<b>Tube</b>
	Packaging Quantity	<b>8</b>
Product Compliance	<a href="#">Statement of Compliance PDF</a> <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

## CUSTOMERS ALSO BOUGHT

PCB D-SUB CONNECTORS	SURFACE MOUNT RESISTORS	SURFACE MOUNT RESISTORS	SURFACE MOUNT RESISTORS
			
<b>50 50SR R/A RCPT ASSY, LEAD FRE</b> 1761028-3	<b>SMW5 5R1 5%</b> SMW55R1JT	<b>RN 0402 200R 0.1% 10PPM CUT LENGTH</b> RN73C1E200RBTG	<b>CPF 0603 21K 0.1% 25PPM 1K RL</b> CPF0603B21KE1
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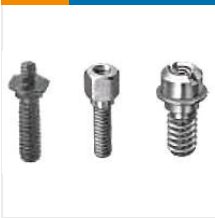
RELATIONSHIP

### Hardware

Used to identify hardware used with connectors

[See All Hardware](#)

PRODUCT - HARDWARE



Connectors - D-Sub Locking & Mounting  
AMPLIMITE I 0.50 Connector System

## 50SR SCREWLOCK KIT, FEMALE - 786585-2

TE INTERNAL NUMBER: 786585-2

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Female  
Screwlocks**

Screw Length **9.02 mm**



RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - IDC D-Sub Connectors  
AMPLIMITE I 0.50 Connector System

## 68 50SR CABLE PLUG ASSY - 5749111-6

TE INTERNAL NUMBER: 5749111-6

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **Yes**

Centerline **1.27 mm**

Number of Positions **68**

Number of Rows **2**



RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - IDC D-Sub Connectors  
AMPLIMITE I 0.50 Connector System

## 68 50SR PNL MNT PLUG ASSY, ROHS - 5-749878-7

TE INTERNAL NUMBER: 5-749878-7

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **No**

Centerline **1.27 mm**

Number of Positions **68**

Number of Rows **2**

