+ CONNECTORS

IDC D-SUB CONNECTORS

TE CONNECTIVITY (TE)

68 50SR CABLE PLUG ASSY

AMPLIMITE | 0.50 Connector System

5749111-6
TE Internal Number: 5749111-6

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **Yes**

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

Number of Positions **68**

Number of Rows **2**

✔ Active

⬇ **PRODUCT DRAWING**
  English

⬇ **3D PDF**

Product Drawings

PLUG ASSEMBLY, AMPLIMITE .050 Series
PDF
English

CAD Files

3D PDF
PDF
English

Customer View Model
2D_DXF.ZIP
English

Customer View Model
3D_IGS.ZIP
English

Customer View Model
3D_STP.ZIP
English

Catalog Pages/Data Sheets

AMPLIMITE Subminiature D Connectors - .050 Series Connector
PDF
English

Product Specifications

Product Specification

Connector, AMPLIMITE, Shielded, .050 Series
PDF
English

Application Specification

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

Qualification Test Report

.050 Series Shielded AMPLIMITE Connector
PDF
English

Instruction Sheets

Customer Manual (U.S.)

CHAMPOMATOR 2.5 Terminating Machine Control Module 852423-[ ]
PDF
English

Instruction Sheet (U.S.)

Manual Arbor Frame Assembly 58024-1
PDF

Cover Closing Kits 543508-1 And 543526-1 And Staple Inserter Kit 543515-1 For AMPLIMITE .050 Series Connector Assembly

Installation And Use Of Mass Termination Tooling

Tooling Kit 768900-1

Cover Lacing Fixture 91293-1 For AMPLIMITE .050 Series Connectors And AMPMODU 50/50 Grid Connectors

Repair Tool 58430-1 For AMPLIMITE .050 Series Connectors

AMPLIMITE .050 Series Connectors (Round-To-Flat Cable)

Manual Miniature Applicator Frame Assembly 91295-1

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**
	Shielded	**Yes**
	Wire/Cable Type	**Round Jacketed Cable**
	Applies To	**Cable**
	Product Type	**Connector**
	Detent	**Without**
	Rails	**With**

Configuration Features		
	Number of Positions	**68**
	Number of Rows	**2**
	Preloaded	**Yes**

Body Features		
	Plug Shell Material	**Steel**
	Ribbon Cable Centerline Spacing (in)	**.025**
	Plug Shell Plating Material	**Tin-Nickel Alloy**
	Shell Material	**Steel**
	Shell Plating Material	**Tin over Copper**
	Cover Material	**Thermoplastic**
	Color	**Black**

Contact Features	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Thickness (µin)	30
	Contact Type	Pin
	Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
	Solder Tail Contact Plating Material	Tin over Nickel

Termination Features	Termination Method to Wire/Cable	Insulation Displacement Crimp (IDC)
	Termination Cover Type	Standard
	Termination Cover	With
	Termination Cover Method	Assembled

Mechanical Attachment	PCB Mount Retention Type	None
	Mating Connector Lock	Without
	Panel Mount Retention	Without
	Mounting Angle	None

Housing Features	Centerline	1.27 mm [.05 in]
	Housing Material	Thermoplastic
	Housing Color	Black

Dimensions	Wire Range	.05 – .09 mm² [30 – 28 AWG]
	Insulation Diameter (Max) (mm)	.91
	Wire Insulation Diameter	.74 – .91 mm [.029 – .036 in]

Industry Standards	UL Flammability Rating	UL 94V-0
	Cover Flammability Rating	UL 94V-0

Packaging Features	Packaging Method	Tube
	Packaging Quantity	10

Other	Comment	Plug connector requires backshell kit for complete assembly

Product Compliance	Statement of Compliance PDF	
	VIEW ALL PRODUCT COMPLIANCE	

Relation Type ▼

RELATIONSHIP
Accessories
Used to identify accessories used with connectors

See All Accessories

PRODUCT - ACCESSORIES

Connectors - D-Sub Backshells & Clamps
AMPLIMITE | 0.50 Connector System
68 50SR KIT, ST, UK - 5749195-2
TE INTERNAL NUMBER: 5749195-2

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Accessory Type **Backshell Kit**

Number of Positions **68**

Shielded **Yes**

Cable Insulation Diameter **11.18 mm**

Cable Exit Angle **180°**

RELATIONSHIP
Mating Products
Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS

Connectors - IDC D-Sub Connectors
AMPLIMITE | 0.50 Connector System
68 50SR PANEL MOUNT RCPT - 1-749656-2
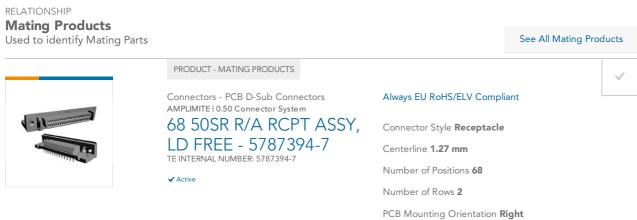TE INTERNAL NUMBER: 1-749656-2

✔ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Shielded **No**

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 - PCB D-Sub Connectors
AMPLIMITE | 0.50 Connector System
68 50SR R/A RCPT ASSY, LD FREE - 5787394-7
TE INTERNAL NUMBER: 5787394-7

✔ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **68**

Number of Rows **2**

PCB Mounting Orientation **Right Angle**