



+ CONNECTORS

IDC D-SUB CONNECTORS



✓ Active

TE CONNECTIVITY (TE)  
50 50SR CABLE PLUG SUB-ASSY

AMPLIMITE | 0.50 Connector System

5749110-1  
TE Internal Number: 5749110-1

EU RoHS Compliant  
EU ELV Compliant

Connector Style Plug

Solid Wire Range (AWG) 30 – 28

Shielded No

Number of Positions 50

Centerline (Pitch) 1.27 mm [ .05 in ]

↓ PRODUCT DRAWING  
English

↓ 3D PDF

DOCUMENTATION

Product Drawings

PLUG SUBASSEMBLY, 1.27[.050] SERIES, AMPLIMITE

PDF  
English

CAD Files

3D PDF  
PDF  
3D

Customer View Model

2D\_DXF.ZIP  
English

Customer View Model

3D\_IGS.ZIP

English

Customer View Model

3D\_STP.ZIP

English

FEATURES



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 No
- Wire/Cable Type Round Jacketed Cable
- Connector & Contact Terminates To Wire & Cable
- Product Type Connector
- Rails Without

Configuration Features

- Number of Positions 50
- Number of Rows 2
- Preloaded Yes

Body Features

- Plug Shell Material Steel
- Plug Shell Plating Material Tin-Nickel Alloy
- Ribbon Cable Centerline Spacing (in) .025
- Color Black

Contact Features

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

Termination Features

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

Mechanical Attachment

- Detent Without
- Panel Mount Feature Without
- Mating Connector Lock Without
- Mounting Angle None
- PCB Mount Retention Type None

Housing Features

**Centerline (Pitch)** 1.27 mm [ .05 in ]  
**Housing Color** Black  
**Housing Material** Nylon, Polyester

Dimensions

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

Industry Standards

**UL Flammability Rating** UL 94V-0

Packaging Features

**Packaging Quantity** 13  
**Packaging Method** Tube

PRODUCT COMPLIANCE



Statement of Compliance

**Statement of Compliance**  
PDF