



+ CONNECTORS

PCB D-SUB CONNECTORS



✓ Active

TE CONNECTIVITY (TE)  
50 50SR R/A RCPT ASSY,RDSN L/F  
AMPLIMITE | 0.50 Connector System

5787083-5  
TE Internal Number: 5787083-5

- EU RoHS Compliant
- EU ELV Compliant
- Connector Style Receptacle
- Number of Positions 50
- Centerline (Pitch) 1.27 mm [ .05 in ]
- Number of Rows 4
- PCB Mounting Orientation Right Angle

↓ PRODUCT DRAWING  
English

↓ 3D PDF

DOCUMENTATION

Product Drawings

RECEPTACLE ASSEMBLY, SHIELDED, RIGHT ANGLE,  
PDF (TIFF AVAILABLE)  
English

CAD Files

Customer View Model  
3D\_STP.ZIP  
English

Customer View Model  
2D\_DXF.ZIP  
English

Customer View Model

3D\_IGS.ZIP

English

3D PDF

PDF

English

Product Specifications

Application Specification

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

PDF

English

Product Specification

Connector, AMPLIMITE, Shielded, .050 Series

PDF

English

Qualification Test Report

.050 Series Shielded AMPLIMITE Connector

PDF

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

- Shell Type Full Metal Shell
- Connector Style Receptacle
- PCB Mounting Orientation Right Angle
- Connector & Contact Terminates To Printed Circuit Board
- Product Type Connector
- Connector Type Connector Assembly
- Grounding Straps Without
- Grounded No
- Grounding Indents Without
- Shielded Yes

Configuration Features

- Number of Positions 50
- Number of Rows 4

Body Features

**Shell Material**   Carbon Steel  
**Post Plating Material**   Tin over Nickel  
**Shell Plating Material**   Nickel over Copper  
**Bracket Plating Material**   Nickel over Copper  
**Shell Plating Finish**   Bright  
**Bracket Material**   Zinc

Contact Features

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

Termination Features

**Termination Method to PC Board**   Through Hole - Solder  
**Grounding Clips**   Without  
**Termination Post Length**   3.05 mm [ .12 in ]

Mechanical Attachment

**PCB Mount Alignment**   Without  
**PCB Mounting Style**   Through Hole  
**PCB Mount Retention**   With  
**PCB Mount Retention Type**   Boardlocks  
**Mounting Hole Diameter**   2.77 mm [ .109 in ]  
**Mating Alignment**   Without  
**Mating Retention Type**   Latch  
**Boardlock Material**   Copper Alloy  
**Boardlock Plating Material**   Tin over Nickel  
**Mating Retention**   With

Housing Features

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

Dimensions

**PCB Thickness (Recommended)**   2.36 mm [ .093 in ]

Industry Standards

**Approved Standards**   LR-86179-1, UL E28476  
**UL Flammability Rating**   UL 94V-0

Packaging Features

**Packaging Quantity**   10  
**Packaging Method**   Tube

PRODUCT COMPLIANCE



Statement of Compliance

