# 786554-7 ✔ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 786554-7

68 Position D-Shaped Connector, Receptacle, Cable-to-Board, Board Mount, 1.27 mm [.05 in] Centerline, Printed Circuit Board, AMPLIMITE 0.50 Series

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Vertical, Action Pin, 1.27mm



Number of Positions: **68**

Connector & Housing Type: **Receptacle**

Connector System: **Cable-to-Board**

Connector Mounting Type: **Board Mount**

Centerline (Pitch): **1.27 mm [ .05 in ]**

All D-Sub Receptacle Assembly: Vertical, Action Pin, 1.27mm (27)

## Features

### Product Type Features

| | |
|---|---|
| Shell Material Configuration | Full Metal Shell |
| Connector & Housing Type | Receptacle |
| Connector System | Cable-to-Board |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Positions | 68 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |

### Body Features

| | |
|---|---|
| Shell Plating Material | Nickel over Copper |
| Primary Product Color | Black |
| Connector Profile | Standard |

### Contact Features

| | |
|---|---|
| | 30 µin |
| Contact Underplating Material | Palladium Nickel |
| Contact Mating Area Plating Material | Gold or Gold Flash |
| Contact Base Material | Phosphor Bronze |

| | |
|---|---|
| PCB Contact Termination Area Plating Material | Tin-Lead over Nickel |
| Contact Current Rating (Max) | 1 A |
| Contact Options | Installed |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Press-Fit, Through Hole - Solder |
| Termination Post & Tail Length | 4.39 mm[.173 in] |
| Square Termination Post & Tail Dimension | .38 mm[.015 in] |

## Mechanical Attachment

| | |
|---|---|
| | .109 in |
| Mounting Feature Plating Material | Nickel over Copper |
| Mounting Feature Material | Zinc |
| Mating Alignment Type | Rails |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Hole |
| Mating Retention | With |
| Mating Retention Type | Latch |

## Housing Features

| | |
|---|---|
| Housing Material | Thermoplastic |
| Shell Material | Carbon Steel |
| Centerline (Pitch) | 1.27 mm[.05 in] |

## Dimensions

| | |
|---|---|
| PCB Thickness (Recommended) | 1.57 – 2.36 mm[.062 – .093 in] |
| Row-to-Row Spacing | 2.54 mm[.1 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Shielded | Yes |
| Circuit Application | Signal |

### Industry Standards

| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 8 |
| Packaging Method | Tube |

## Product Compliance

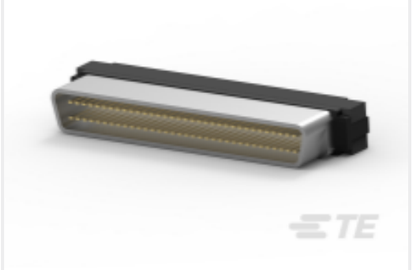
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (13% in 4690948374)<br>**Article Safe Usage Statements:**<br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not applicable for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

## Compatible Parts



TE Part # 5749621-7
68 50S CABLE PLUG CONN/COV KIT

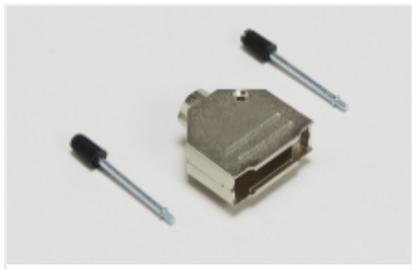
## Also in the Series | AMPLIMITE 0.50 Series



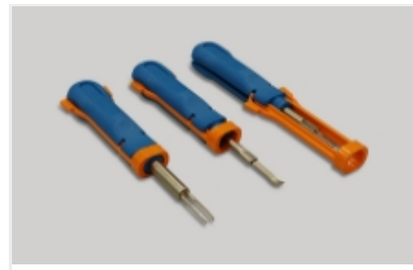
Connector Backshells(20)



Connector Caps & Covers(20)



D-Sub Backshells & Clamps(20)



Insertion & Extraction Tools(1)



PCB D-Sub Connectors(171)

## Customers Also Bought



TE Part #214917-E
MSPPM 5 M SMDTHR M2 * A V 137 094 * E008



TE Part #001-0001-L
ANTENNA,2.4 GHZ Dipole



TE Part #254839-E
STVE 160 F ABCDE VVVVV 7-00 EE 5,5 * 137



TE Part #224408-E
STVC 96 F ABC VVV 7-00 EE 5,5 * 247 E007



TE Part #2-84953-4
1MM FPC HORZ.TOP CONT.ASSY 24P



TE Part #1-87224-4
14 MODII HDR SRST UNSHRD .100



TE Part #1-111196-5
080 RCPT SYSTEM 50 30 DPLX



TE Part #1-1614883-3
CPF0805 470R 0.1% 25PPM 1K RL



TE Part #3-1630024-5
HSC250 47R 5%



TE Part #1-1879455-3
TE 1500W 10R 5% Bracket

## Documents

### Product Drawings

68 50SR VRT RCPT,L,R,ACT PIN

English

### CAD Files

3D PDF

English

Customer View Model

ENG_CVM_786554-7_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_786554-7_F.3d_igs.zip

English

Customer View Model

ENG_CVM_786554-7_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Product Specifications

Application Specification

English

### Agency Approvals

UL

English