786554-5 ✔ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 786554-5

50 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: **50**

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	50
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	10
Packaging Method	Tube

Product Compliance

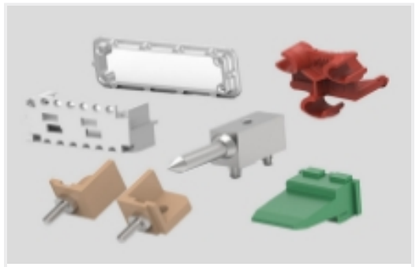
For compliance documentation, visit the product page on TE.com>

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) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) **Article Safe Usage Statements:** 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

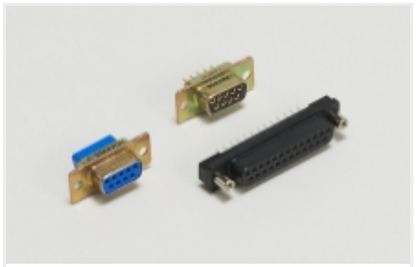
Product Compliance Disclaimer

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

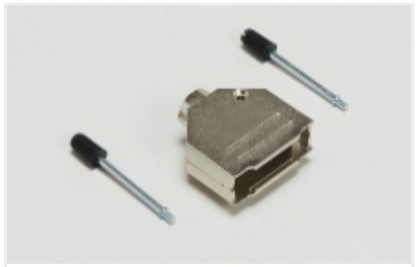
Also in the Series | AMPLIMITE 0.50 Series



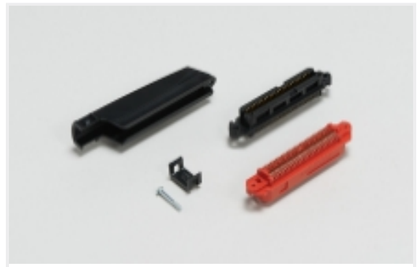
Connector Hardware(6)



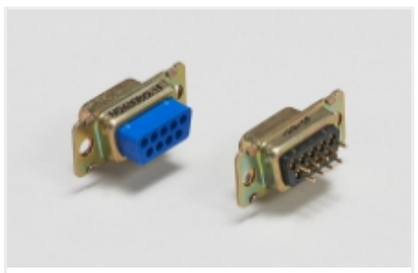
D-Shaped Connectors(234)



D-Sub Backshells & Clamps(20)



IDC D-Sub Connectors(63)

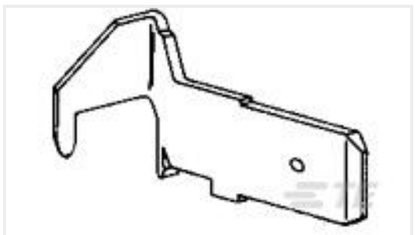


Panel Mount D-Sub Connectors(27)

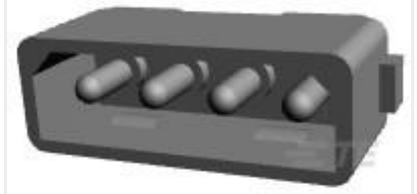
Customers Also Bought



TE Part #800602-SF
FN2020-3-06



TE Part #160650-2
250 FASTON,PCB TAB,TNBR



TE Part #794236-1
04P CMNL HDR ASSY V0



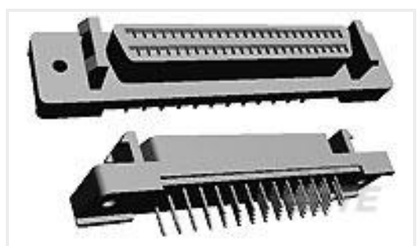
TE Part #2-1437565-9
FSM2JSMAATR=TACTILE 260G FORCE



TE Part #1757828-1
AMPLIMITE,RCPT ASY,POSTD,109,ZN, 1

TE Part #1-1977223-0
FSM4JSMASTR=6MM TACT SWITCH, SMT 160gf,

TE Part #3-2317656-3
AV25 DPL 3A MOVING RING RED 12V



TE Part #5749721-5
50 50SR VERT RCPT ASSY



TE Part #5787082-5
50 50SR R/A RCPT ASSY,RDSN L/F

TE Part #2-1571987-6
A203J51ZQ0004=DBL POLE,ROCKER

Documents

Product Drawings

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

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_786554-5_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_786554-5_F.3d_igs.zip

English

Customer View Model

ENG_CVM_786554-5_F.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English