1-5786554-0

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 1-5786554-0

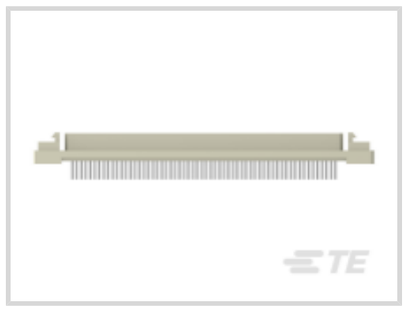
TE Internal Description: 120 50SR VRT RCPT,L,R,ACT PIN

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

View on TE.com >

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




Number of Positions: **120**

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	120
Number of Rows	4
PCB Mount Orientation	Vertical

Body Features

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

Contact Features

	30 µin
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin 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	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Retention	With
Mating Retention Type	Latch

Housing Features

Housing Material	Polyphthalamide
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	5
Packaging Method	Tube

Product Compliance

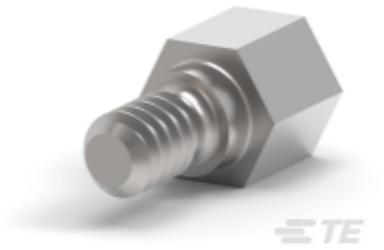
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
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 # 749087-2
50SR SCREWLOCK KIT,FEMALE



TE Part # 786585-3
50SR SCREWLOCK KIT,BULK,FEMAL



TE Part # 749087-4
50SR SCREWLOCK KIT,FEMALE



TE Part # 749087-1
50SR SCREWLOCK KIT,FEMALE

TE Part # 786585-2
50SR SCREWLOCK KIT,FEMALE

TE Part # 749087-3
50SR SCREWLOCK KIT,FEMALE

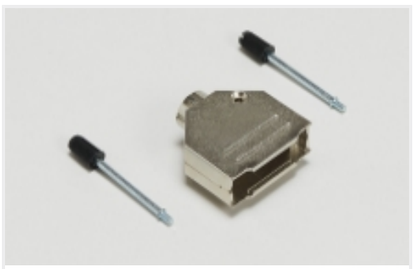
Also in the Series | AMPLIMITE 0.50 Series



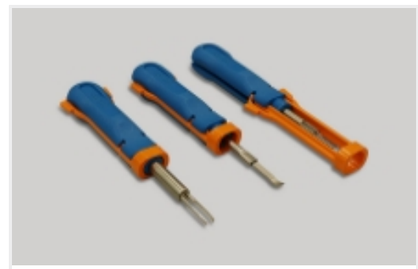
Connector Backshells(20)



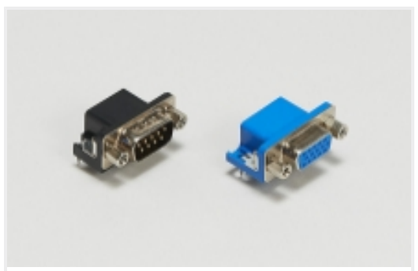
Connector Caps & Covers(20)



D-Sub Backshells & Clamps(20)

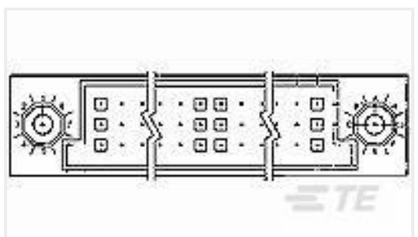


Insertion & Extraction Tools(1)



PCB D-Sub Connectors(171)

Customers Also Bought



TE Part #532447-3
HDI PIN ASSY 3 ROW 96 POS



TE Part #6-1879266-2
RP 2B 499K 0.1% 15PPM 1K RL



TE Part #2018878-1
ASSY, STG TI, 12 PR, 6 COL



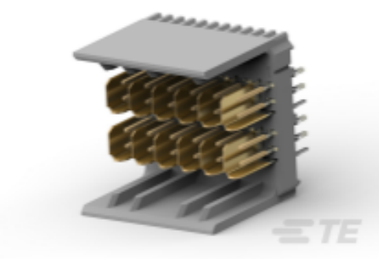
TE Part #2198200-1
Headr Assy, 6P12C, Ortho, SW, 30PdNi, Sn



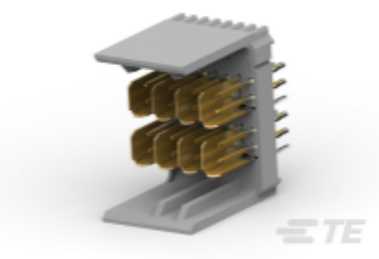
TE Part #2215003-1
ASSY, ST TL, STRADA ORTHO 4X6



TE Part #2215060-3
ASSY, ST TL, 8PR, 4COL, 3.9 CL



TE Part #2274610-1
HM-ZD 2PR HDR 24P 2.5MM



TE Part #2274678-1
HM-ZD 2PR HDR 16P 2.5MM



TE Part #1-6450820-8
MBXLE VERT HDR 5P48S5P



TE Part #5-1375583-5
06 MTE VERTICAL SMT HDR 30 AU

Documents

Product Drawings

120 50SR VRT RCPT,L,R,ACT PIN

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-5786554-0_C1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5786554-0_C1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-5786554-0_C1.2d_dxf.zip

English

3D PDF

3D

3D PDF

English

Customer View Model

ENG_CVM_1-5786554-0_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-5786554-0_O.3d_igs.zip

English

Customer View Model

ENG_CVM_1-5786554-0_O.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - .050 Series Connector

English

AMPLIMITE .050 Series D-sub Connectors QRG

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English