

5786556-5 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 5786556-5

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 50 Position,
1.27 mm [.05 in] Centerline, 4 Row, Standard Profile, Vertical,
AMPLIMITE 0.50 Series

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



Connector & Housing Type: **Receptacle**

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

Number of Positions: **50**

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

Number of Rows: **4**

[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	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
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin, Tin over Nickel



Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	1 A
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Termination Features

Square Termination Post & Tail Dimension	.38 mm[.015 in]
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Termination Post & Tail Length	7.11 mm[.28 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit, Through Hole - Solder
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Mechanical Attachment

Mounting Feature Plating Material	Nickel over Copper
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Mounting Feature Material	Zinc
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Mounting Hole Diameter	2.77 mm[.109 in]
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Mating Alignment Type	Rails
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Mating Alignment	With
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PCB Mount Alignment	Without
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PCB Mount Retention	With
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PCB Mount Retention Type	Action/Compliant Tail
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Mating Retention	With
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Mating Retention Type	Latch
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Connector Mounting Type	Board Mount
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Housing Features

Shell Material	Carbon Steel
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Housing Material	Polyphthalamide
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Centerline (Pitch)	1.27 mm[.05 in]
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Dimensions

PCB Thickness (Recommended)	3.18 – 5.08 mm[.125 – .2 in]
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Row-to-Row Spacing	2.54 mm[.1 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Shielded	Yes
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Circuit Application	Signal
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Industry Standards



Compatible With Approved Standards Products	LR-86179-1, UL E28476
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	10
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Packaging Method	Tube
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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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 # 5749111-4
50 50SR CABLE PLUG ASSY



TE Part # 5749699-5
50 50SR CABLE RCPT KIT



TE Part # CAT-AM7-22507
IDC D-Sub: Connector Kit, Plug, Signal, 1.27 mm



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



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



TE Part # 749087-2
50SR SCREWLOCK KIT,FEMALE



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



TE Part # 5390377-5
50 POS A/P PLUG 25 CL 30AU



TE Part # 5749210-5
50 50SR CABLE RCPT ASSY



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



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




TE Part # 5-749611-5
50 50SR PANEL MOUNT RCPT, ROHS




TE Part # 5786162-9
100 50SR VRT RCPT,LTCH,A/P LF

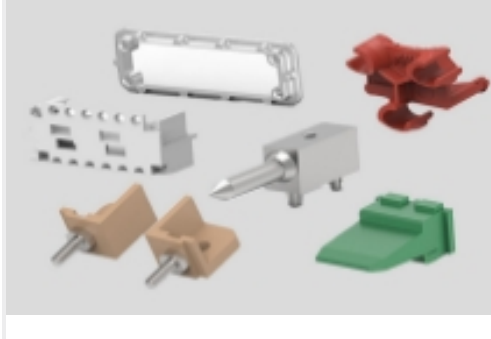
Also in the Series | **AMPLIMITE 0.50 Series**



Connector Backshells(31)



Connector Caps & Covers(21)



Connector Hardware(7)



IDC D-Sub Connectors(66)

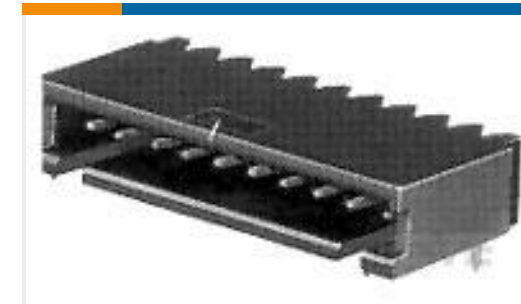


Insertion & Extraction Tools(1)



PCB D-Sub Connectors(172)

Customers Also Bought

TE Part #5100147-1
Z-PACK/A RAF 110PTE Part #1367073-2
20 POS SMT CONN, SFP, 30AUTE Part #1542618-2
XFP MSA SAN APPLICATIONTE Part #5-103361-1
03 MODII HDR SRRA SHRD LFTE Part #2007198-2
SFP+ 1x1 Cage Assembly, Press-FitTE Part #1367646-4
Heatsink clip Stamped and FormTE Part #2201945-1
RECEPTACLE ASSEMBLY, 5 PAIR, 8
COLUMNTE Part #6-6450860-5
MBXLE VERT RCPT ,2HDP+8S+2HDP

Documents

Product Drawings

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

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_5786556-5_O1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5786556-5_O1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5786556-5_O1.3d_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