

50 50SR R/A RCPT ASSY,RDSN L/F ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Part # 5787082-5

TE Internal #: 5787082-5

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector Style: **Receptacle**

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

Number of Positions: **50**

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

Number of Rows: **4**

Features

Product Type Features

Grounding Indents	Without
Grounded	No
Grounding Straps	Without
Shell Type	Full Metal Shell
Connector Style	Receptacle
Connector System	Cable-to-Board
Row-to-Row Spacing	.1 in, 2.54 mm
Profile	Standard
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Shielded	Yes
Connector Type	Connector Assembly
Product Type	Connector

Configuration Features

Number of Positions	50
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Number of Rows	4
PCB Mount Orientation	Right Angle

Body Features

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

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A
	30 μ m
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold

Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	2.54 mm[.1 in]

Mechanical Attachment

PCB Mount Alignment	Without
PCB Mounting Style	Through Hole
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Connector Lock	With
Mating Connector Lock Type	Latch
Connector Mounting Type	Board Mount
Mating Retention	With
Boardlock Plating Material	Tin over Nickel
Boardlock Material	Copper Alloy
Mating Retention Type	Latch
Mating Alignment	Without



Mounting Hole Diameter	2.77 mm[.109 in]
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Housing Features

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

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Usage Conditions

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

Circuit Application	Signal
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Industry Standards

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

Packaging Method	Tube
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Packaging Quantity	10
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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: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Reflow solder capable to 260°C
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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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



D-Sub Backshells & Clamps
(1)



D-Sub Locking & Mounting
(5)



IDC D-Sub Connectors(8)

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



D-Sub Backshells & Clamps
(32)



D-Sub Covers(20)



D-Sub Locking & Mounting
(9)

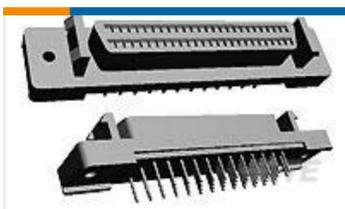


IDC D-Sub Connectors(78)



PCB D-Sub Connectors
(212)

Customers Also Bought



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



TE Part #2-5748003-0
09 PLUG SP/FMS BRDLK



TE Part #5787082-7
68 50SR R/A RCPT ASSY,
RDSN L/F



TE Part #2007194-1
SFP+ 1x1 Cage Assembly,
PCI, Solder Tail



TE Part #1-770969-1
06P MINI UMNL R/A HDR
ASSY LF



TE Part #87220-3
03 MODII HDR SRST
UNSHRD .100



TE Part #5-104363-5
06 MTE HDR SRST LATCH .
100CL



TE Part #641968-1
04P UMNL PIN HDR ASSY
POL 94VO



TE Part #5-104362-2
03 MTE HDR SRST LATCH
W/HLDWN



TE Part #87227-5
10 MODII HDR DRST
UNSHRD .100

Documents

Product Drawings

[50 50SR R/A RCPT ASSY,RDSN L/F](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5787082-5_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5787082-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5787082-5_A.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[AMPLIMITE Subminiature D Connectors - .050 Series Connector](#)



English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_5787082-5_01242017215_dmtec](#)

English

[MD_5787082-5_01242017215_dmtec](#)

English