

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 5-750450-1 IDC D-Sub Connectors, Receptacle, 30 – 28 AWG Solid Wire Size, . 05 – .08 mm² Solid Wire Size, Cable-to-Panel, 50 Position, AMPLIMITE 0.50 Series

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Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm



Connector & Housing Type: Receptacle

Solid Wire Size: .05 – .08 mm²

Shielded: No

Connector System: Cable-to-Panel

All IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm (20)

Features

Product Type Features

 Rails
 With

 Connector & Housing Type
 Receptacle

Connector System	Cable-to-Panel	
Connector Product Type	Connector Assembly	
Sealable	No	
Connector & Contact Terminates To	Wire & Cable	
Configuration Features		
Number of Positions	50	
Number of Rows	2	
Compatible With Wire & Cable Type	Flat Ribbon Cable, Round Jacketed Cable	
Body Features		
Bracket Material	Zinc	
Color	Black	
Bracket Plating Material	Nickel over Copper	
Cover Material	Thermoplastic	
Ribbon Cable Centerline Spacing	.64 mm[.025 in]	
Shell Material	Steel	
Shell Plating Material	Nickel over Copper	

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Contact Features

PCB Termination Area Plating Finish	Matte	
	30 µin	
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel	
Contact Underplating Material	Nickel, Palladium Nickel	
PCB Contact Termination Area Plating Material	Tin	
Contact Base Material	Phosphor Bronze	
Contact Current Rating (Max)	1 A	
Termination Features		
Termination Cover Type	Standard	
Termination Cover Method	Assembled	
Termination Cover	With	
Termination Method to Wire & Cable	Insulation Displacement (IDC)	
Mechanical Attachment		
Mating Connector Lock	With	
Mounting Angle	None	
Mating Connector Lock Type	Latch Blocks	
Panel Mount Feature	With	
PCB Mount Retention Type	None	
Detent	Without	
Screw & Hole Thread Size	4-40 UNC	
Connector Mounting Type	Panel Mount	
Housing Features		
Housing Material	Thermoplastic	
Housing Color	Black	
Centerline (Pitch)	1.27 mm[.05 in]	
Dimensions		
Insulation Diameter (Max)	.91 mm	
Accepts Wire Insulation Diameter Range	.74 – .91 mm[.029 – .036 in]	
Solid Wire Size	.05 – .08 mm²	
Wire Size	.05 – .09 mm²	

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Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Shielded	No
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Cover Flammability Rating	UL 94V-0
Packaging Features	
Packaging Method	Tube
Packaging Quantity	10
Product Compliance For compliance documentation, visit the product page on TE.com>	
EU RoHS Directive 2011/65/EU	Not Yet Reviewed
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 2022

Halogen Content

Solder Process Capability

(224) Candidate List Declared Against: DEC 2012 (138) SVHC > Threshold: Not Yet Reviewed

Not Yet Reviewed for halogen content

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 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.

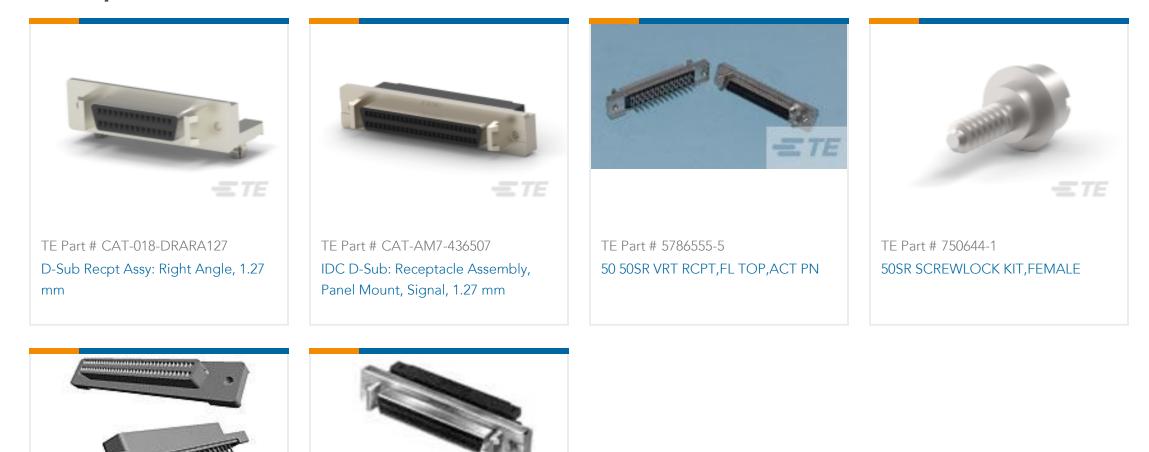
IDC D-Sub Connectors, Receptacle, 30 – 28 AWG Solid Wire Size, .05 – .08 mm² Solid Wire Size, Cable-to-Panel, 50 Position, AMPLIMITE 0.50 Series



Compatible Parts

TE Part # 5749070-5

50 50SR VERT RCPT ASSY



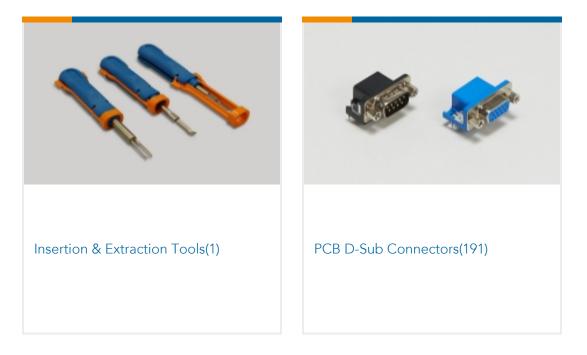
Also in the Series AMPLIMITE 0.50 Series

TE Part # 786865-5

50 50SR PANEL MOUNT RCPT S/A



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D-Sub Backshells & Clamps(31)	D-Sub Covers(20)	D-Sub Locking & Mounting(8)	IDC D-Sub Connectors(76)



Customers Also Bought

IDC D-Sub Connectors, Receptacle, 30 – 28 AWG Solid Wire Size, .05 – .08 mm² Solid Wire Size, Cable-to-Panel, 50 Position, AMPLIMITE 0.50 Series





Documents

Product Drawings 50 50SR PANEL MOUNT RCPT, ROHS

English

CAD Files

3D PDF

3D

Customer View Model ENG_CVM_CVM_5-750450-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-750450-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-750450-1_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - .050 Series Connector

English

AMPLIMITE .050 Series D-sub Connectors QRG

English

Product Specifications

Application Specification

English

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Agency Approvals UL

English