

6-5173280-4 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

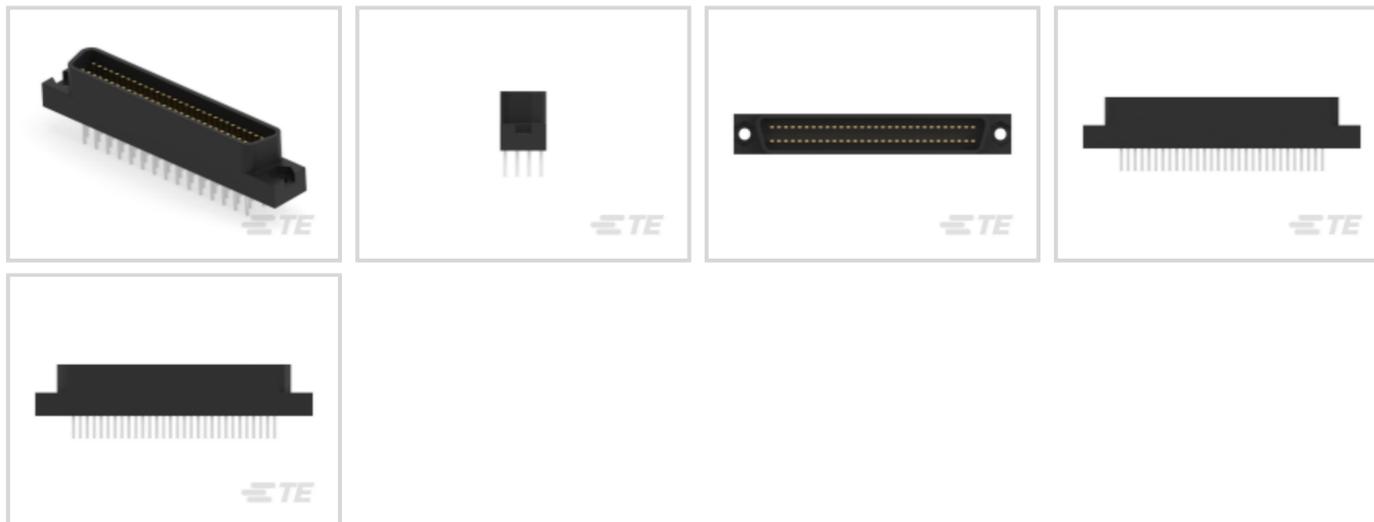
TE Internal #: 6-5173280-4

60 Position D-Shaped Connector, Plug, Cable-to-Board, Board Mount, 1.27 mm [.05 in] Centerline, Printed Circuit Board, Signal, AMPLIMITE 0.50 Series

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Vertical, 1.27mm



Number of Positions: 60

Connector & Housing Type: Plug

Connector System: Cable-to-Board

Connector Mounting Type: Board Mount

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

[All D-Sub Plug Assembly: Standard, Vertical, 1.27mm \(24\)](#)

## Features

### Product Type Features

Shell Material Configuration	All Plastic
Connector & Housing Type	Plug
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	60
Number of Rows	2
PCB Mount Orientation	Vertical

### Body Features

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, Tin over Nickel
Contact Shape & Form	Rectangular
Contact Current Rating (Max)	1 A
Contact Options	Installed

### Termination Features

Rectangular Termination Post & Tail Width	.45 mm[.017 in]
Rectangular Termination Post & Tail Thickness	.4 mm[.015 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.1 mm[.122 in]

### Mechanical Attachment

Mounting Hole Diameter	2.6 mm
Mating Alignment	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	Without

### Housing Features

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

### Dimensions

PCB Thickness (Recommended)	.8 – 1.6 mm
Row-to-Row Spacing	2.54 mm[.1 in]

### Usage Conditions

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

Shielded	No
Circuit Application	Signal

### Industry Standards



UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	72
Packaging Method	Tray

### Product Compliance

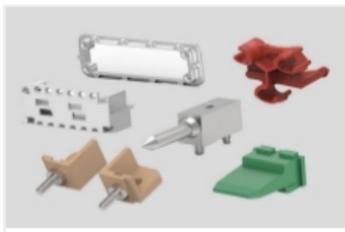
[For compliance documentation, visit the product page on TE.com>](#)

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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

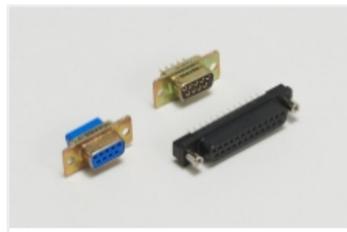
#### Product Compliance Disclaimer

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>

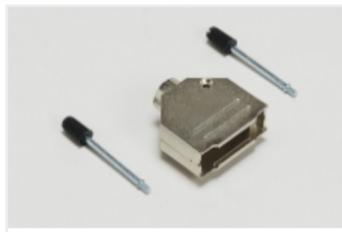
Also in the Series | [AMPLIMITE 0.50 Series](#)



Connector Hardware(6)



D-Shaped Connectors(234)



D-Sub Backshells &amp; Clamps(20)

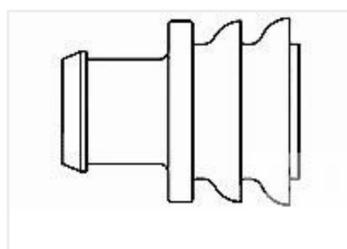


IDC D-Sub Connectors(63)



Panel Mount D-Sub Connectors(27)

## Customers Also Bought

TE Part #CAT-D48-ST273  
DEUTSCH Solid ContactsTE Part #DT06-2S  
PLG, 2P, GRY, NTE Part #DT04-2P  
REC, 2P, GRY, NTE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DTTE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHTTE Part #281934-2  
SINGLE WIRE SEALTE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING

## Documents

### Product Drawings

[AMPLIMITE.050 CAP ASS'Y \(M\) 60](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_6-5173280-4\\_O1.3d\\_igs.zip](#)

English

Customer View Model



[ENG\\_CVM\\_CVM\\_6-5173280-4\\_O1.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6-5173280-4\\_O1.2d\\_dxf.zip](#)

English

**3D PDF**

3D

**3D PDF**

English

**Customer View Model**

[ENG\\_CVM\\_6-5173280-4\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_6-5173280-4\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_6-5173280-4\\_A.3d\\_stp.zip](#)

English

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## Product Specifications

**Product Specification**

English

**Product Specification**

English