



**AMPLIMITE**

TE Internal #: 206804-1

Box Mount D-Sub Connectors, Plug, Cable-to-Cable, 50 Position, Size 5, Pin, Size 20, .109 in [2.77 mm] Centerline, Wire & Cable, Signal, Non-Magnetic

[View on TE.com >](#)

Connectors > D-Shaped Connectors > D-Sub Connectors > Box Mount D-Sub Connectors



Connector & Housing Type: **Plug**

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

Number of Positions: **50**

Power/Signal/Coax Combination: **No**

D-Sub Shell Size: **5**

**Features**

**Product Type Features**

Product Type	Connector
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
D-Sub Shell Size	5
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Blindmate	No

**Configuration Features**

Number of Positions	50
Power/Signal/Coax Combination	No

**Body Features**

Box Mount D-Sub Connector Insert Arrangement	MS18277-1
Retention Clip Material	Copper Alloy
Shell Plating Material	Gold
Shell Material	Brass
Non-Magnetic	Yes

**Contact Features**

Contact Type	Pin
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100 µin

Contact Mating Area Plating Material

Gold

Contact Base Material

Copper

D-Sub Contact Size

20

Contact Current Rating (Max)

7.5 A

### Mechanical Attachment

Mounting Hole Diameter

3.91 mm[.154 in]

### Housing Features

Centerline (Pitch)

2.77 mm[.109 in]

### Usage Conditions

Operating Temperature Range

-55 – 125 °C[-67 – 257 °F]

### Operation/Application

ULTRA-LITE Connector

No

Circuit Application

Signal

### Industry Standards

NASA Qualification

Yes

### Packaging Features

Packaging Method

Package

## 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 2022 (224)  
 Candidate List Declared Against: JAN 2019 (197)  
 Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Wave solder capable to 265°C

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



## Documents

### Product Drawings

[PLUG ASSY,50 POSN,AMPLIMITE](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_206804-1\\_W.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_206804-1\\_W.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_206804-1\\_W.3d\\_stp.zip](#)

English

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### Agency Approvals

[UL Report](#)

English