



**AMPLIMITE**

TE Internal #: 1-2157480-4

Box Mount D-Sub Connectors, Plug, Cable-to-Cable, 37 Position, Size 4, Pin, Size 20, .109 in [2.77 mm] Centerline, Sealable, Wire & Cable, Signal

[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: **37**

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

D-Sub Shell Size: **4**

**Features**

**Product Type Features**

Product Type	Connector
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
D-Sub Shell Size	4
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Blindmate	No

**Configuration Features**

Preloaded	No
Number of Positions	37
Power/Signal/Coax Combination	No

**Body Features**

Rear Shell Material	Steel
Box Mount D-Sub Connector Insert Arrangement	MS18276-1
Shell Plating Finish	Yellow Chromate
Shell Material	Steel
Front Shell Plating Finish	Yellow Chromate



Rear Shell Plating Material	Cadmium
Front Shell Plating Material	Cadmium
Retention Clip Material	Stainless Steel
Front Shell Material	Steel
Shell Plating Material	Cadmium
Non-Magnetic	No

### Contact Features

Contact Type	Pin
Contact Mating Area Plating Thickness	1.3 $\mu\text{m}$ [50 – 100 $\mu\text{in}$ ]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
D-Sub Contact Size	20
Contact Current Rating (Max)	7.5 A

### Housing Features

Centerline (Pitch)	2.77 mm[.109 in]
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### Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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### Operation/Application

ULTRA-LITE Connector	No
Circuit Application	Signal

### Industry Standards

NASA Qualification	No
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### Packaging Features

Packaging Method	Individual
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	

Current ECHA Candidate List: JUNE 2022  
(224)

Candidate List Declared Against: JUL 2017  
(174)

SVHC > Threshold:  
Not Yet Reviewed

Halogen Content

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

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 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



## Documents

### Product Drawings

[AMPLIMITE IP67,SZ4, 109, 37 POS,IFS,PLUG](#)

English

### CAD Files

[3D PDF](#)

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_1-2157480-4\\_C.2d\\_dxf.zip](#)

English



### Customer View Model

[ENG\\_CVM\\_CVM\\_1-2157480-4\\_C.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_1-2157480-4\\_C.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[IP67 Sealed AMPLIMITE](#)

English