



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



Connector & Housing Type: **Receptacle**
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	Receptacle
Connector System	Cable-to-Cable
D-Sub Shell Size	5
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Blindmate	No

Configuration Features

Preloaded	No
Number of Positions	50
Power/Signal/Coax Combination	No

Body Features

Rear Shell Material	Steel
Box Mount D-Sub Connector Insert Arrangement	MS18277-1
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	Socket
Contact Mating Area Plating Thickness	1.3 μm[50 – 100 μin]
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, SZ5, 109, 50 POS, RCPT
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-2157481-5_C.2d_dxf.zip
English



Customer View Model

[ENG_CVM_CVM_1-2157481-5_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2157481-5_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[IP67 Sealed AMPLIMITE](#)

English