# 443978-4 ✔ ACTIVE

AMPLIMITE

TE Internal #: 443978-4

37 Position D-Shaped Connector, Receptacle, Cable-to-Board, Board Mount, Shell Size 4, 2.77 mm [.109 in] Centerline, Printed Circuit Board, Signal

View on TE.com >

Connectors > D-Shaped Connectors



Number of Positions: **37**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **4**

## Features

### Product Type Features

| | |
|---|---|
| Sealable | No |
| Connector & Housing Type | Receptacle |
| Connector System | Cable-to-Board |
| Connector Shell Size | 4 |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Power/Signal/Coax Combination | No |
| Number of Positions | 37 |
| PCB Mount Orientation | Vertical |

### Body Features

| | |
|---|---|
| Front Shell Material | Steel |
| D-Sub Connector Insert Arrangement | MS18276-1 |
| Rear Shell Plating Material | Cadmium |
| Rear Shell Material | Steel |
| Front Shell Plating Material | Cadmium |

### Contact Features

| | |
|---|---|
| | 50 µin |
| Contact Underplating Material | Nickel |

| | |
|---|---|
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Beryllium Copper, Brass |
| Contact Size | Size 20 |
| Contact Type | Socket |
| Contact Current Rating (Max) | 5 A |
| Contact Options | Installed |

### Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Diameter | 1.02 mm[.04 in] |
| Termination Post & Tail Length | 4.78 mm[.188 in] |

### Mechanical Attachment

| | |
|---|---|
| Mounting Hole Diameter | 3.05 mm[.12 in] |
| Mating Alignment | Without |
| Connector Mounting Type | Board Mount |

### Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2.77 mm[.109 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

### Operation/Application

| | |
|---|---|
| Circuit Application | Signal |

### Packaging Features

| | |
|---|---|
| Packaging Method | Package |

## 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Cd (100% in 10563731072) |

| | |
|---|---|
| | Pb (3.7% in 74018819)<br>**Article Safe Usage Statements:**<br>Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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 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.

## Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



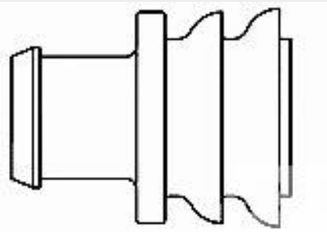
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

## Documents

### Product Drawings

AMPLIMITE,ASY,RCPT,POSTD,109,4

English

## CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_443978-4_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_443978-4_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_443978-4_F.3d_stp.zip

English

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