# 1703780-1 ✔ ACTIVE

TE Internal #: 1703780-1

Housing for Male Terminals, Wire-to-Board / Wire-to-Device, 4 Position, 7 mm [.275 in] Centerline, Black, Wire & Cable, Power

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > Circular DIN Housings







Connector System: **Wire-to-Board, Wire-to-Device**

Number of Positions: **4**

Connector & Housing Type: **Housing for Male Terminals**

Centerline (Pitch): **7 mm [ .275 in ]**

Sealable: **No**

All Circular DIN Housings (64)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Circular |
| Connector System | Wire-to-Board, Wire-to-Device |
| Connector & Housing Type | Housing for Male Terminals |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |
| Primary Locking Feature | Integrated in Housing |

### Configuration Features

| | |
|---|---|
| Number of Positions | 4 |
| Number of Rows | 2 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 48 VDC |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 48 V |

## Body Features

| | |
|---|---|
| Primary Product Color | Black |

## Contact Features

| | |
|---|---|
| Contact Size | 2.5mm |
| Contact Type | Pin |
| Mating Pin Diameter | 2.5 mm[.098 in] |
| Contact Current Rating (Max) | 40 A |

## Mechanical Attachment

| | |
|---|---|
| Terminal Position Assurance | No |
| Strain Relief | Without |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |

## Housing Features

| | |
|---|---|
| Housing Material | PBT GF20 |
| Centerline (Pitch) | 7 mm[.275 in] |

## Dimensions

| | |
|---|---|
| Connector Height | 23 mm[.905 in] |
| Product Width | 25.8 mm[1.01 in] |
| Product Length | 25.8 mm[1.01 in] |
| Row-to-Row Spacing | 7 mm[.275 in] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| Degree of Protection | IPX7, IPX9K |
| UL Flammability Rating | UL 94HB |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 1000 |
| Packaging Method | Box |

## Other

| | |
|---|---|
| Serviceable | No |
| Connector Position Assurance Capable | No |

## Product Compliance

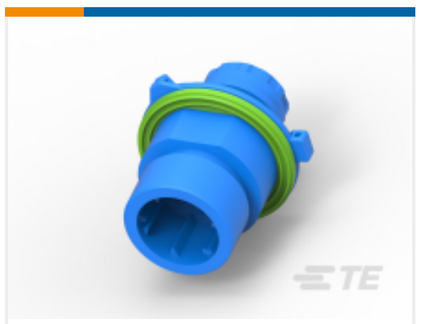
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | 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 2024 (241)<br>Candidate List Declared Against: JUNE 2022 (224)<br>SVHC > Threshold:<br>Pb (3% in its components)<br>**Article Safe Usage Statements:**<br>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 | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not applicable 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

## Compatible Parts



TE Part # CAT-C4962-CH8172
Circular DIN Housings



TE Part # CAT-R7602-T273
ROUND CONNECTOR SYSTEM, PIN AND SOCKET

TE Part # 1703781-1
4POS,PIN DIA 2.5,PIN HSG,ASSY

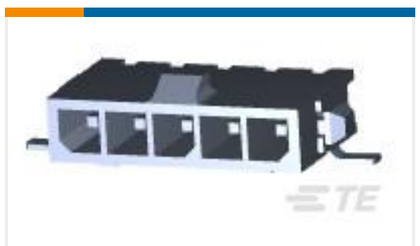
## Customers Also Bought



TE Part #1473005-4
SEMI-HARD TRAY DDR2 SODIMM SOCKET 200P 5



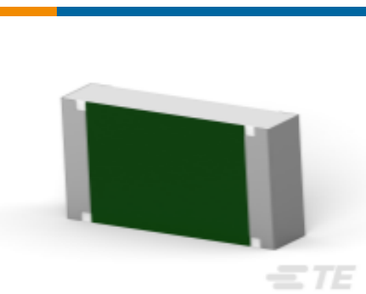
TE Part #2-1478762-5
METAL BACKSHELL 25 WAY TOP E



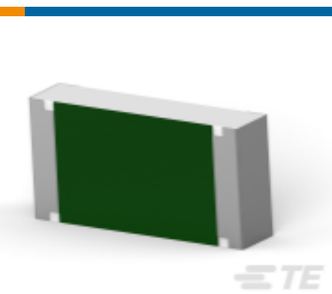
TE Part #2-1445057-5
MICRO MNL HDR ASSY SINGLE ROW



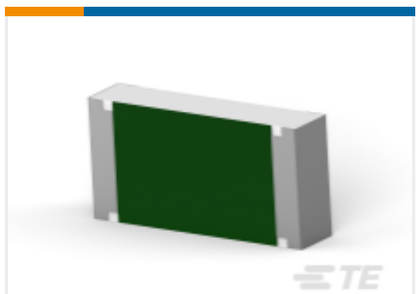
TE Part #5-747912-2
25 Plug Solder Cup, Gold Flash



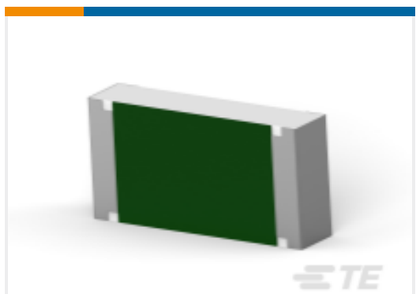
TE Part #7-2176398-0
3502 10M 1%



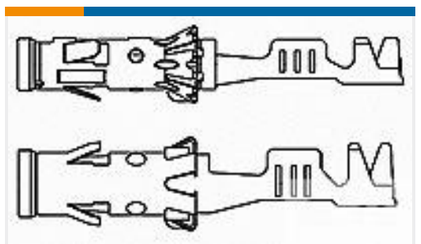
TE Part #4-2176398-6
3502 1M0 1%



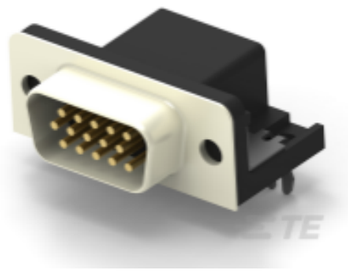
TE Part #5-2176398-4
3502 2M2 1%



TE Part #6-2176398-2
3502 4M7 1%



TE Part #929989-1
1,5MM SOCK CONTACT



TE Part #2311774-1
AMPL PLUG, HD22, R/A, 15P, THREADED

## Documents

### Product Drawings

4POS,PIN DIA 2.5,PIN HSG,ASSY

German

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1703780-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1703780-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1703780-1_A.3d_stp.zip

English

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### Datasheets & Catalog Pages

## CONNECTOR SELECTOR

English

## Product Specifications

### Application Specification

English

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Global Electronic Components Distributor

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## TE Connectivity:

1969656-1 2-292161-3 3631B101LL SBCHE154R7K 1-962915-1 1393431-1 175977-2 936348-1 RH73H2A40MKTN SMW73R0JT 2310537-1 3-1393225-0 3430B2F51RTDF CPF0402B37K4E1 ROX05SJ18R 2380312-2 TE50BR39J 1903112-2 2834055-1 CRGCQ2010J3K3 1-794222-0 2377783-2 650075-000 917696-1 1743455-2 2005330-1 MPT100C18RF U5254-000005-030PA SBCHE64R7K 141991-2