



Connectors > D-Shaped Connectors

Number of Positions: **37**Connector & Housing Type: **Receptacle**Connector System: **Board-to-Board**Connector Mounting Type: **Board Mount**Connector Shell Size: **4**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Shell Material Configuration | Full Metal Shell |
| Connector & Housing Type | Receptacle |
| Connector System | Board-to-Board |
| Connector Shell Size | 4 |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|-------------|
| PCB Mount Orientation | Right Angle |
| Number of Rows | 2 |
| Number of Positions | 37 |

Body Features

| | |
|------------------------|---------------|
| Insert Material | Thermoplastic |
| Shell Plating Material | Tin |
| Primary Product Color | Black |
| Connector Profile | Standard |

Contact Features

| | |
|--------------------------------------|------------------|
| Contact Underplating Material | Palladium Nickel |
| | 30 µin |
| Contact Shape & Form | Square |
| Contact Mating Area Plating Material | Gold (Au) |

| | |
|---|-----------------|
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Current Rating (Max) | 6 A |
| Contact Options | Installed |

Termination Features

| | |
|--|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.18 mm[.125 in] |
| Square Termination Post & Tail Dimension | .63 mm[.025 in] |

Mechanical Attachment

| | |
|--------------------------|-----------------|
| Mating Retention Type | Mounting Screws |
| PCB Mount Retention | With |
| Mounting Hole Diameter | 3.05 mm[.12 in] |
| Mating Retention | With |
| PCB Mount Retention Type | Mounting Hole |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|------------------|
| Housing Material | Thermoplastic |
| Shell Material | Steel |
| Centerline (Pitch) | 2.77 mm[.109 in] |

Dimensions

| | |
|-----------------------------|------------------|
| Row-to-Row Spacing | 2.84 mm[.112 in] |
| PCB Thickness (Recommended) | 2.36 mm[.093 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Shielded | No |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|---------|
| Packaging Quantity | 56 |
| 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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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 |

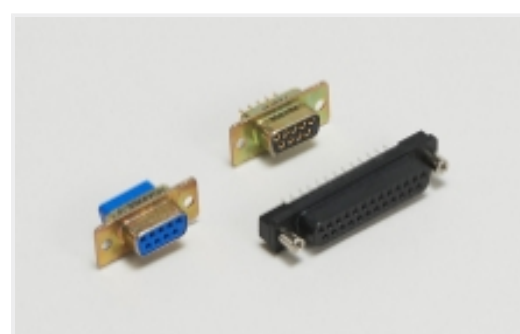
Product Compliance Disclaimer

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>

Also in the Series | **AMPLIMITE HDP**



Connector Contacts(6)



D-Shaped Connectors(65)



PCB D-Sub Connectors(65)

Customers Also Bought



TE Part #2305217-1
MICRO STACK REC ASSY 0.1 GOLD



TE Part #5103308-2
A/L LOW PRO HDR 14P VERT BLACK



TE Part #531230-2
SHUNT, .200 C/L, LP, 2 POS, 15AU



TE Part #5-1879075-4
THS25 6K8 5%



TE Part #5208010-2
HD-20 PLUG 50P VERT



TE Part #2301838-1
AMPL REC HD20, VERT, 9P, B/L, 4-40
INS



TE Part #2305218-1
MICRO STACK HDR ASSY 6.75MM 0.1
GOLD



TE Part #2305220-1
MICRO STACK HDR ASSY 20MM 0.1
GOLD

Documents

Product Drawings

[37 RCPT RA/MS 454](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5745441-4_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5745441-4_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5745441-4_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)



English

[Agency Approvals](#)

[UL Report](#)

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