



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector Style: **Receptacle**

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

Number of Positions: **9**

Centerline (Pitch): **2.74 mm [ .108 in ]**

Number of Rows: **2**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Grounding Indents                 | Without               |
| Grounded                          | No                    |
| Grounding Straps                  | Without               |
| Shell Type                        | Front Metal Shell     |
| Connector Style                   | Receptacle            |
| Connector System                  | Cable-to-Board        |
| Row-to-Row Spacing                | .112 in, 2.84 mm      |
| Shell Size                        | 1                     |
| Profile                           | Standard              |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Shielded                          | No                    |
| Product Type                      | Connector             |

Configuration Features

|                       |          |
|-----------------------|----------|
| Performance Level     | Level 2  |
| Number of Positions   | 9        |
| Number of Rows        | 2        |
| PCB Mount Orientation | Vertical |
| Preloaded             | Yes      |

Body Features



|                        |       |
|------------------------|-------|
| Plastic                | No    |
| Color                  | Black |
| Shell Plating Material | Tin   |
| Shell Material         | Steel |

Contact Features

|   |                 |
|---|-----------------|
| Contact Underplating Material                 | Nickel          |
| PCB Contact Termination Area Plating Material | Tin             |
| Contact Base Material                         | Phosphor Bronze |
| Contact Shape                                 | Round           |
| Contact Current Rating (Max)                  | 6 A             |
|   | 30 µin          |
| Contact Mating Area Plating Material          | Gold            |

Termination Features

|                         |                  |
|-------------------------|------------------|
| Grounding Clips         | Without          |
| Termination Post Length | 3.2 mm[.1259 in] |

Mechanical Attachment

|                            |                           |
|----------------------------|---------------------------|
| Panel Mount Feature        | Without                   |
| PCB Mounting Style         | Through Hole              |
| PCB Mount Retention        | Without                   |
| Mating Connector Lock      | With                      |
| Mating Connector Lock Type | Threaded Insert, 4-40 UNC |
| Connector Mounting Type    | Board Mount               |
| Boardlock Plating Material | Tin                       |
| Mounting Hole Diameter     | 5 mm                      |
| Boardlock Material         | Phosphor Bronze           |

Housing Features

|                    |                        |
|--------------------|------------------------|
| Centerline (Pitch) | 2.74 mm[.108 in]       |
| Housing Material   | Glass Filled Polyester |
| Housing Color      | Black                  |

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
|-----------------------------|-----------------|

Usage Conditions



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

Operation/Application

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

Industry Standards

|                        |           |
|------------------------|-----------|
| Approved Standards     | DIN 41652 |
| UL Flammability Rating | UL 94V-0  |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Tray |
| Packaging Quantity | 55   |

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 with Exemptions  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2019 (197)<br>Candidate List Declared Against: JAN 2019 (197) |
| 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 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

9POS.HD-20 REC.ASSY

TE Part # 6-338313-2  
TE Internal #: 6-338313-2



TE Part # 1-745492-8  
09 HDE MS PLUG, 22-26,  
LEAD FREE



TE Part # 747515-7  
09 HDE PMOLD PLUG,  
LEAD FREE



TE Part # 206509-1  
SIZE 20 KEYING PLUG



TE Part # 1658608-4  
09 POS HDF PLUG, MS,  
LEAD FREE



TE Part # 1-745492-7  
09 HDE MS PLUG, 26-30,  
LEAD FREE



TE Part # 1-745492-9  
PLUG ASSY, 9P, HDE, MS



TE Part # 5746862-4  
9 POS HDF PLUG, MS



TE Part # 1658613-4  
09 POS HDF PLUG, MS,  
LEAD FREE



TE Part # 1-747944-5  
09 SHLDG ENCL PLUG,  
LEAD FREE

Customers Also Bought



TE Part #8-1879233-2  
SMW5 240R 5%



TE Part #6-338314-2  
15POS.HD20 REC.ASSY



TE Part #2176085-3  
EP 9W (S) 22R 5%



TE Part #6-338309-2  
9P.HDP20 PLUG ASSY



TE Part #5-1879336-6  
CPF 0603 866R 1% 50PPM  
1K RL



TE Part #6-338310-2  
15POS.HD20 PLUG ASS'Y



TE Part #7-1879271-6  
RP 2A 196R 0.1% 15PPM  
CUT LENGTH

Documents



Product Drawings

9POS.HD-20 REC.ASSY

English

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CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_6-338313-2\_E\_c-6-338313-2-e.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-338313-2\_E\_c-6-338313-2-e.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-338313-2\_E\_c-6-338313-2-e.3d\_stp.zip

English

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Product Environmental Compliance

REACH Substance Communication Document

English