



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



Connector & Housing Type: **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 Straps	Without
Grounding Indents	Without
Grounded	No
Shell Type	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
D-Sub Shell Size	1
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

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Plastic	No
Connector Profile	Standard
Color	Black
Shell Material	Steel
Shell Plating Material	Tin

Contact Features

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

Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.2 mm[.1259 in]

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
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PCB Thickness (Recommended)1.6 mm[.063 in]

Usage Conditions

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

Operation/Application

Circuit ApplicationSignal

Industry Standards

Approved StandardsDIN 41652

UL Flammability RatingUL 94V-0

Packaging Features

Packaging MethodTray

Packaging Quantity55

Product Compliance

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

EU RoHS Directive 2011/65/EUCompliant with Exemptions

EU ELV Directive 2000/53/ECCompliant with Exemptions

China RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006
Current ECHA Candidate List: JAN 2020 (205)
Candidate List Declared Against: JAN 2020 (205)
Pb (.35% in Component Part)

EU REACH Regulation (EC) No. 1907/2006
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Halogen ContentNot Low Halogen - contains Br or Cl > 900 ppm.

Solder Process CapabilityWave 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

 TE Model / Part # 1-745492-7 09 HDE MS PLUG,26-30,LEAD FREE	 TE Model / Part # 1-745492-8 09 HDE MS PLUG,22-26,LEAD FREE	 TE Model / Part # 747515-7 09 HDE PMOLD PLUG, LEAD FREE	 TE Model / Part # 206509-1 SIZE 20 KEYING PLUG
 TE Model / Part # 1-745492-9 PLUG ASSY,9P,HDE,MS	 TE Model / Part # 1658608-4 09 POS HDF PLUG, MS, LEAD FREE	 TE Model / Part # 1658613-4 09 POS HDF PLUG, MS, LEAD FREE	 TE Model / Part # 5746862-4 9 POS HDF PLUG, MS
 TE Model / Part # 1-747944-5 09 SHLDG ENCL PLUG,LEAD FREE			

Customers Also Bought

 TE Model / Part #1-1775470-0 HPI CONN., 2.0MM, V/T, SMT, 10P, 80U"	 TE Model / Part #6-338314-2 15POS.HD20 REC.ASSY	 TE Model / Part #6-104910-4 15 MTE HDR SRST LATCH .100CL	 TE Model / Part #2176085-3 EP 9W (S) 22R 5%
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TE Model / Part #6-338309-2
9P.HDP20 PLUG ASSY



TE Model / Part #6-338310-2
15POS.HD20 PLUG ASSY



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



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

Documents

Product Drawings

9POS.HD-20 REC.ASSY

English

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

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Environmental Compliance

REACH Substance Communication Document

English