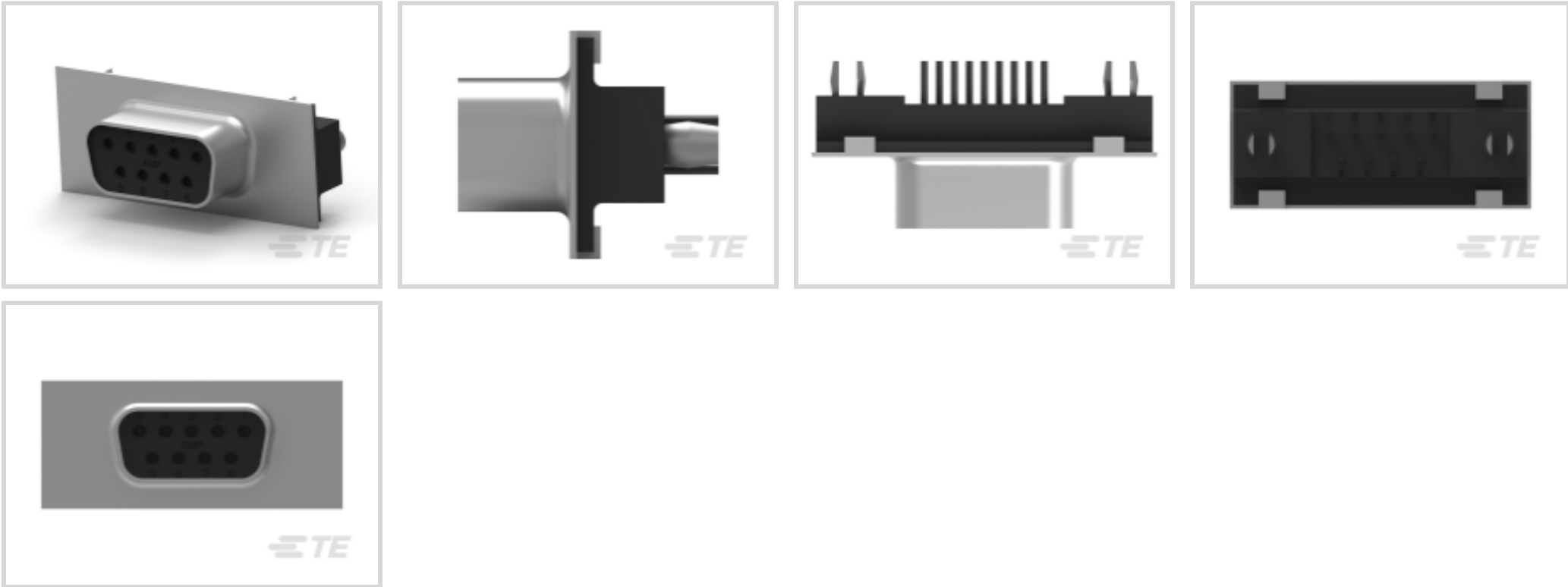




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Receptacle**

Connector System: **Board-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 & Housing Type	Receptacle
Connector System	Board-to-Board
D-Sub Shell Size	1
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Shielded	Yes
Product Type	Connector

Configuration Features

Number of Positions	9
Number of Rows	2



PCB Mount Orientation	Vertical
Preloaded	Yes

Body Features

Plastic	No
Insert Material	Brass
Connector Profile	Standard
Shell Plating Material	Tin
Shield Material	Steel
Shell Material	Carbon Steel
Post Size	.66 mm[.026 in]
Shield Plating Material	Tin

Contact Features

PCB Termination Area Plating Finish	Bright
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Copper
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	3.18 mm[.125 in]

Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	4-40 Retention Insert
Mating Retention	Without
Connector Mounting Type	Board Mount
Boardlock Plating Material	Tin over Copper
Boardlock Material	Brass
Mounting Hole Diameter	3.07 mm[.121 in]



Housing Features

Centerline (Pitch)	2.74 mm[.108 in]
Housing Material	Thermoplastic
Housing Color	Black

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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

Operation/Application

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

Industry Standards

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tube
Packaging Quantity	17

Other

Comment	All receptacles are preloaded with size 20 DF posted socket contacts
---------	--

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 2020 (205) Candidate List Declared Against: JAN 2020 (205) Pb (3.7% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205)



	Candidate List Declared Against: JAN 2020 (205)
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

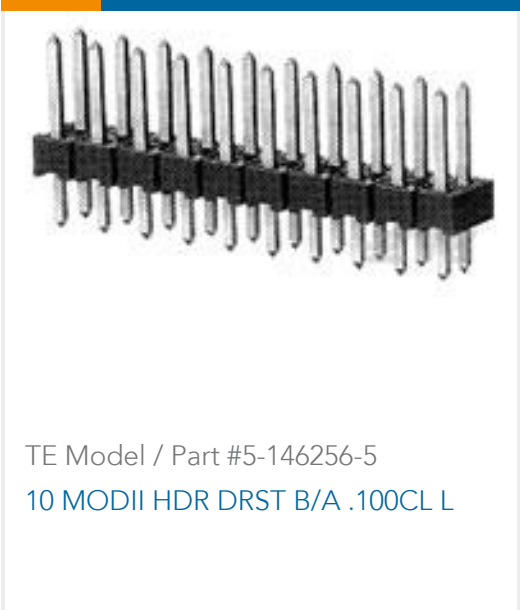
 TE Model / Part # 1-745492-7 09 HDE MS PLUG,26-30,LEAD FREE	 TE Model / Part # 1-745492-8 09 HDE MS PLUG,22-26,LEAD FREE	 TE Model / Part # 747515-7 09 HDE PMOLD PLUG, LEAD FREE	 TE Model / Part # 206509-1 SIZE 20 KEYING PLUG
 TE Model / Part # 1-745492-9 PLUG ASSY,9P,HDE,MS	 TE Model / Part # 1658608-4 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



Also in the Series | **AMPLIMITE HD-20**



Customers Also Bought







Documents

Product Drawings

09 RCPT SP/FMS BRDLK

English

CAD Files

Customer View Model

ENG\_CVM\_2-5747706-0\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_2-5747706-0\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_2-5747706-0\_A.3d\_stp.zip

English

3D PDF

English

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

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Straight Posted Connectors

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD\_2-5747706-0\_01312017024\_dmtec

English

MD\_2-5747706-0\_01312017024\_dmtec

English