

09 PLUG SP/FMS STD

✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

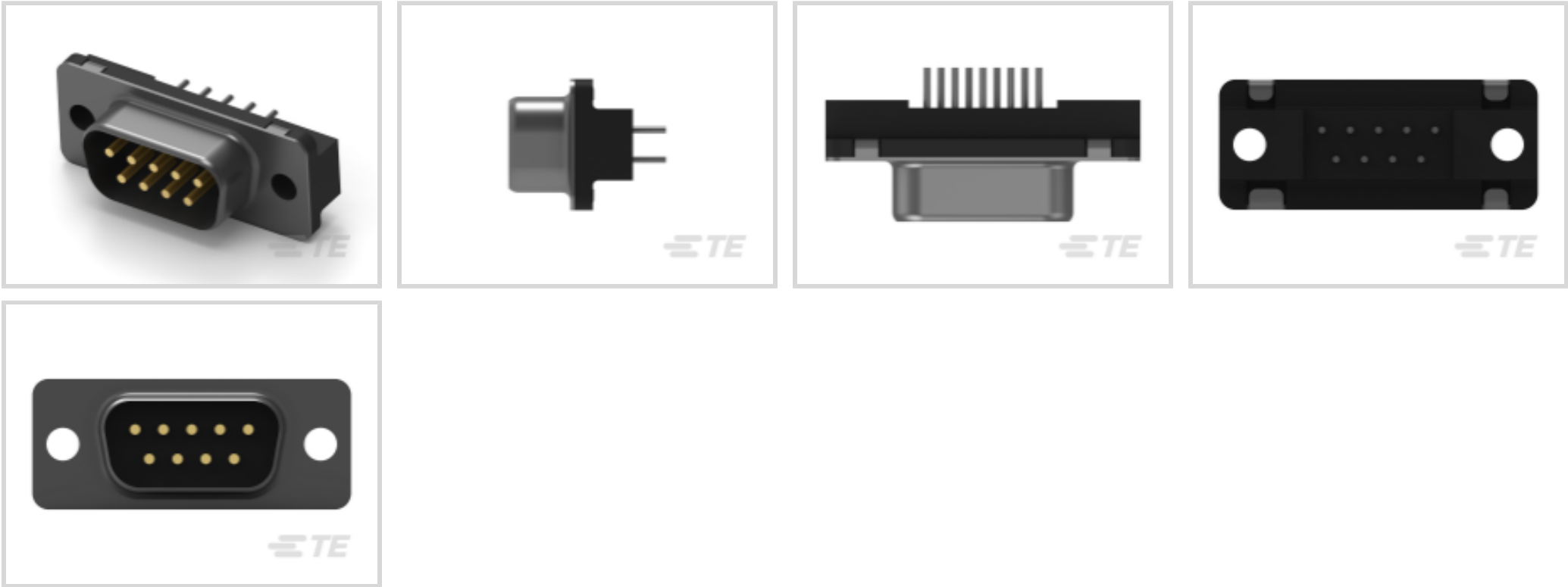
TE Part # 5747871-2

TE Internal #: 5747871-2

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



Connector Style: **Plug**

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 Straps	Without
Grounding Indents	With
Grounded	Yes
Shell Type	Front Metal Shell
Connector Style	Plug
Connector System	Board-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
Product Type	Connector

Configuration Features

Number of Positions	9
Number of Rows	2



PCB Mount Orientation	Vertical
Preloaded	Yes

Body Features

Plastic	No
Shell Material	Steel
Shell Plating Material	Tin
Post Size	.66 mm[.026 in]

Contact Features

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

Termination Features

Grounding Clips	Without
Termination Post Length	3.18 mm[.125 in]

Mechanical Attachment

Panel Mount Feature	Without
PCB Mounting Style	Through Hole
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Connector Lock	Without
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm[.12 in]

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
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Usage Conditions

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

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Method	Tube
Packaging Quantity	17

Other

Comment	Plugs are preloaded with size 20 DF posted pin contacts
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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 2019 (197) Candidate List Declared Against: JUN 2018 (191)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C






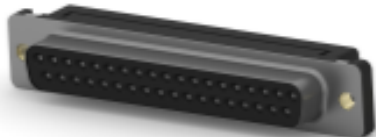
Product Compliance Disclaimer

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

 <p>TE Part # 1-745491-6 09 HDE MS RCPT,26-30, LEAD FREE</p>	 <p>TE Part # 5746861-4 9 POS HDF RCPT, MS</p>	 <p>TE Part # 1658612-4 09 POS HDF RCPT, MS, LEAD FREE</p>	 <p>TE Part # 747516-7 09 HDE PMOLD RCPT, LEAD FREE</p>
 <p>TE Part # 1-745491-7 09 HDE MS RCPT,22-26, LEAD FREE</p>	 <p>TE Part # 1-747943-5 KIT,RCPT,9P,HDE,SHLD ENCLSRE</p>	 <p>TE Part # 1-747943-6 KIT,RCPT,9P,HDE,SHLD ENCLSRE</p>	 <p>TE Part # 1658610-4 09 POS HDF RCPT, MS, LEAD FREE</p>
 <p>TE Part # 1-745491-9 RCPT ASSY,9P,HDE,MS</p>			

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

 <p>Board-to-Board Connector Contacts(1)</p>	 <p>PCB D-Sub Connectors (353)</p>
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Customers Also Bought

09 PLUG SP/FMS STD

TE Part # 5747871-2
TE Internal #: 5747871-2



TE Part #103308-1
010 LOPRO HDR SP 15DP



TE Part #221789-1
JACK,PCB,SERIES SMA



TE Part #5745967-2
25 RCPT SP/FMS STD



TE Part #87224-2
02 MODII HDR SRST
UNSHRD .100




TE Part #87220-3
03 MODII HDR SRST
UNSHRD .100



TE Part #3-641215-6
06P MTA100 HDR ASSY FL
/ST 30AU



TE Part #530153-2
TDM SPRING SHUNT
ASSY 2 POS



TE Part #87227-5
10 MODII HDR DRST
UNSHRD .100



TE Part #5747150-2
09 RCPT SP/FMS STD



TE Part #747871-2
09 PLUG SP/FMS STD

Documents

Product Drawings
09 PLUG SP/FMS STD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5747871-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5747871-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5747871-2_C.3d_stp.zip

English

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Straight Posted Connectors



English

[Product Specifications](#)

[Application Specification](#)

English

[Product Environmental Compliance](#)

[TE Material Declaration](#)

English