5745183-2 ✔ ACTIVE

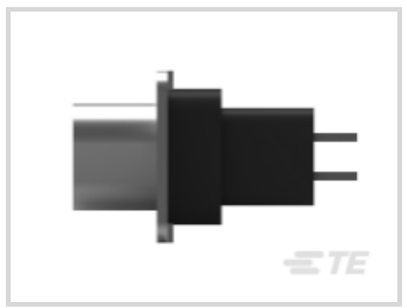
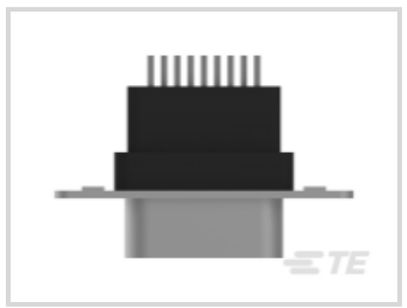
AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 5745183-2

AMPLIMITE HD-20, PCB D-Sub Connectors, Receptacle, Board-to-Board, 9 Position, 2.77mm [.109in] Centerline, 2 Row, Row-to-Row Spacing 2.84 mm [.112 in]

View on TE.com >

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): **2.77 mm [.109 in]**

Number of Rows: **2**

Features

Product Type Features

Grounding Indents	Without
Grounded	No
Grounding Straps	Without
Shell Type	Full 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	No
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	Nylon GF, PBT GF
Connector Profile	High
Shell Plating Material	Tin
Shell Material	Carbon Steel
Post Size	.64 mm[.025 in]

Contact Features

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

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	Mounting Hole
Mating Retention	Without
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm[.12 in]

Housing Features

Centerline (Pitch)	2.77 mm[.109 in]
Housing Material	Nylon GF, PBT GF
Housing Color	Black

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

Insert Flammability Rating	UL 94V-0
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
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 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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 # 1-747944-6
KIT,PLUG,9P,HDE,SHLD ENCLSRE

TE Model / Part # 2-745492-0
PLUG ASSY,9P,HDE,MS

TE Model / Part # 206509-1
SIZE 20 KEYING PLUG

Also in the Series | AMPLIMITE HD-20

PCB D-Sub Connectors(354)

Customers Also Bought

TE Model / Part #534237-5
07 MODII VRT SR CE 100/115

TE Model / Part #5745187-1
25 RCPT SP/MS STD

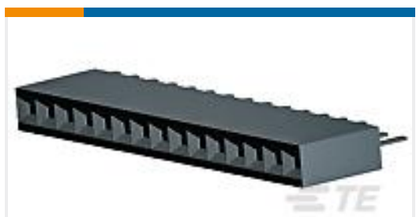
TE Model / Part #745183-2
09 RCPT SP/MS STD

TE Model / Part #5102160-9
A/L UNIV HDR 40P RA

TE Model / Part #5557969-2
MJ,TE,8P/8C,SHLD,PNL STOPS&G

TE Model / Part #5745410-1
09 PLUG SP/MS STD

TE Model / Part #534237-6
08 MODII VRT SR CE 100/115



TE Model / Part #6-534237-3
15 MODII VRT SR CE 100/115

TE Model / Part #103327-3
03 MODII HDR SRST B/A .100CL

TE Model / Part #146860-1
B/A REELED SRST HDR ASSY 15 AU

Documents

Product Drawings

09 RCPT SP/MS STD

English

CAD Files

Customer View Model

ENG_CVM_CVM_5745183-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5745183-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5745183-2_B.3d_stp.zip

English

3D PDF

3D

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Straight Posted Connectors

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English