745781-6 ✔ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

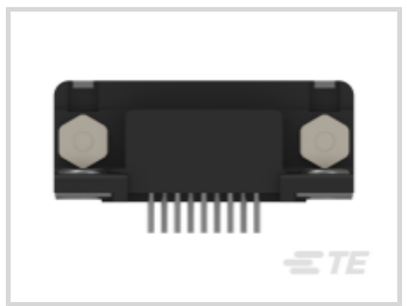
TE Internal #: 745781-6

9 Position D-Shaped Connector, Receptacle, Board-to-Board, Board Mount, Shell Size 1, 2.74 mm [.108 in] Centerline, AMPLIMITE HD-20

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm




Number of Positions: **9**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **1**

All D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm (64)

Features

Product Type Features

Ground Feature Type	Grounding Straps
Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector Shell Size	1
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	9
Number of Rows	2
PCB Mount Orientation	Right Angle

Body Features

Insert Material	Zinc

Shell Plating Material	Tin
Mating Feature Material	Zinc
Mating Feature Plating Material	Clear Chromate
Primary Product Color	Black
Connector Profile	Standard

Contact Features

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

Termination Features

Termination Post & Tail Diameter	.66 mm[.026 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.18 mm[.125 in]

Mechanical Attachment

Mounting Feature Plating Material	Tin
Mounting Feature Material	Brass
Mounting Hole Diameter	3.18 mm[.125 in]
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Female Screwlocks, Fixed

Housing Features

Housing Material	Thermoplastic
Shell Material	Steel
Centerline (Pitch)	2.74 mm[.108 in]

Dimensions

PCB Thickness (Recommended)	2.36 mm[.093 in]

Row-to-Row Spacing	2.84 mm[.112 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Quantity	130
Packaging Method	Tray

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

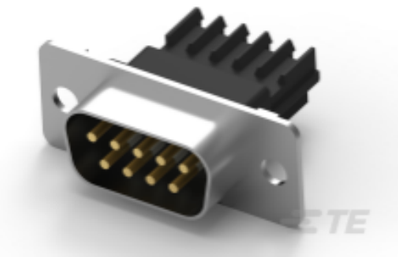
Compatible Parts



TE Part # CAT-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # 206509-1
SIZE 20 KEYING PLUG

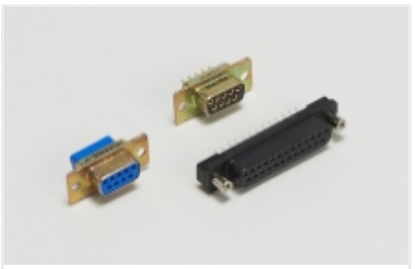


TE Part # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm



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

Also in the Series | AMPLIMITE HD-20



D-Shaped Connectors(285)



PCB D-Sub Connectors(285)

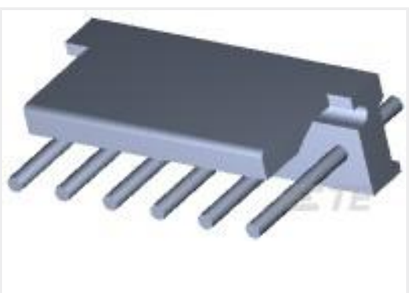
Customers Also Bought



TE Part #CONMMCX001
MMCX Jack 50 Ohm PCB Through Hole



TE Part #815696-SF
RN112-3.6-02-0M4



TE Part #3-641209-6
06P MTA156 HDR ASSY FL ST LF



TE Part #9-2176070-7
3521 100K 1% 2W



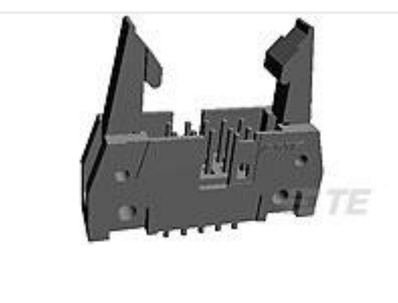
TE Part #4-2176455-0
CPF 0402 280K 0.1% 25ppm 1K RL



TE Part #2454985-3
ADE Next Gen. 02 Pos. SMT TR



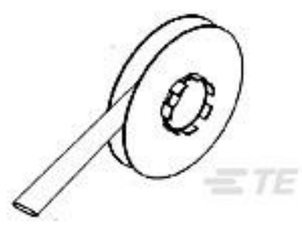
TE Part #5177984-6
0.8FH,P05H.5,140,08/Sn,TU



TE Part #5499923-9
A/L UNIV HDR 40P VERT LAT



TE Part #5745967-4
25 RCPT SP/FMS STD



TE Part #997183-000
TTMS-3.2-9

Documents

Product Drawings

09 MSFL RCPT RA 318 (SL,FM)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_745781-6_AH.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_745781-6_AH.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_745781-6_AH.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English