5205737-7 ✔ ACTIVE

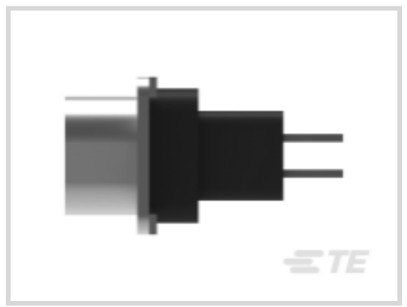
AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 5205737-7

25 Position D-Shaped Connector, Plug, Board-to-Board, Board Mount, Shell Size 3, 2.74 mm [.108 in] Centerline, Printed Circuit Board, AMPLIMITE HD-20

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm



Number of Positions: **25**

Connector & Housing Type: **Plug**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **3**

All D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm (28)

Features

Product Type Features

Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	3
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	25
Number of Rows	2
PCB Mount Orientation	Vertical

Body Features

Insert Material	Polyamide, GV
Shell Plating Material	Zinc

Primary Product Color	Black
Connector Profile	Standard

Contact Features

	30 µin
Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Shape & Form	Square
Contact Current Rating (Max)	6 A
Contact Options	Installed

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	4.78 mm[.188 in]
Square Termination Post & Tail Dimension	.63 mm[.025 in]

Mechanical Attachment

	.12 in
Connector Mounting Type	Board Mount
PCB Mount Retention	Without
Mating Retention	Without

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm, 2.36 mm[.062 in][.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

Packaging Features

Packaging Quantity	10
Packaging Method	Tube

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: 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

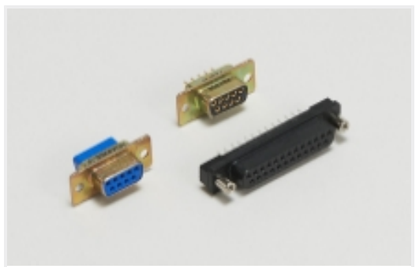
TE Part # 747548-8
KIT,RCPT,25P,HDE,SHLD HDWRE

TE Part # 1-747947-5
KIT,RCPT,25P,HDE,SHLD ENCLSRE

TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-AM7-248H5
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm

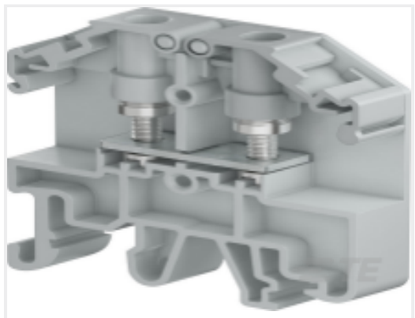
Also in the Series | AMPLIMITE HD-20



D-Shaped Connectors(285)

PCB D-Sub Connectors(285)

Customers Also Bought



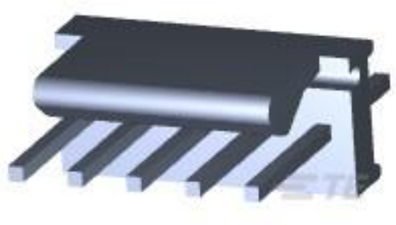
TE Part #1SNA510003R0000
RGW2.5-V0

TE Part #1SNA519003R0000
E-RGW2.5

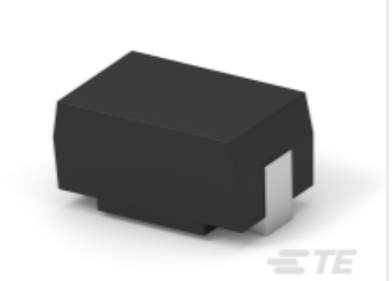
TE Part #1SNA519103R0300
PC-RG2.5-3

TE Part #1SNA519103R0400
PC-RG2.5-4

TE Part #350759-5
02P UMNL HDR ASSY PC V2 LF



TE Part #640456-5
05P MTA100 HDR ASSY F/L SQ STR



TE Part #CAT-C339-SM1A
SMD Power Resistor: 7 Watt, 0.10-500 Ohm

TE Part #2174918-1
PUSH-PUSH SIM CONNECTOR SUPER LOWPROFILE

TE Part #5745189-7
37 RCPT SP/MS STD

Documents

Product Drawings

25 PLUG SP/MS STD

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5205737-7_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_5205737-7_B.3d_igs.zip

English

Customer View Model

ENG_CVM_5205737-7_B.3d_stp.zip

English

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Product Specifications

Application Specification

English